

NERIOX
YOUR SMARTEST CHOICE

PROFESSIONAL TOOLS



SMART TOOLS. SMARTER WORK.

NERIOX is the new brand from Brüttsch/Rüegger Tools. It stands for functional industrial quality at attractive prices. For everyone who wants to get the best out of themselves and their work, our professional tools are the smart choice – or simply: **“YOUR SMARTEST CHOICE”**.

- NERIOX tools are developed precisely to meet our customers' needs.
- With its fresh design, NERIOX offers smart products – while also helping you keep costs under control.
- With Brüttsch/Rüegger Tools quality management, we ensure consistent industrial quality.
- NERIOX stock items are delivered across Europe within 24 hours and 48 hours worldwide.
- This is complemented by comprehensive tool services and product-related services.

NERIOX

Main Register – Our full range

GUARANTEED THE RIGHT TOOL FOR EVERY TASK

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NERIOX

Metrology

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NERIOX



109322 Caliper gauge digital NERIOX

- Features:
- LCD display
 - ON/OFF function
 - Conversion mm/inch
 - Zero setting in any position

- Designs:
- 109322.0150: depth gauge rectangular
 - 109322.0250: depth gauge round

Package contents:
Supplied in case incl. ISO certificate.

Appropriate batteries:
1 pieces 109322.0150 - 150 mm / 0.01 (NOT included in scope of delivery).
1 pieces 155051.0546 - CR2032 / 3.0 V / 4 pieces (NOT included in scope of delivery).
1 pieces 109322.0250 - 150 mm / 0.01 (NOT included in scope of delivery).
1 pieces 155051.0546 - CR2032 / 3.0 V / 4 pieces (NOT included in scope of delivery).

Order ID		109322.0150	109322.0250
Range	mm	150	150
Resolution	mm	0.01	0.01
Measuring jaw length	mm	40	40
Digit height	mm	9	9
Version		depth gauge rectangular	depth gauge round
Depth gauge		rectangular	round
Drive wheel		—	—
Data output		—	—
A	mm	40	40
B	mm	21	21
C	mm	16.5	16.5
D	mm	16	16
E	mm		1.5
L	mm	236	236

NERIOX



110856 Caliper gauge NERIOX

Fixing screw on top

DIN 862
Stainless steel

Vernier and scale satin chrome-plated, with

- Features:
- Vernier mm/inch
 - Thread table on rear side

Package contents:
Delivered in case incl. declaration of conformity.

Appropriate accessories:
111811 Measuring bridge NERIOX for calipers

Order ID		110856.0100	110856.0200
Range	mm	150	200
Range	in	6	8
Vernier bottom	mm	0.05	0.05
Vernier top		1/128"	1/128"
Measuring jaw length	mm	40	50
Depth gauge		rectangular	rectangular
Drive wheel		—	—

NERIOX



110861 Caliper gauge NERIOX

Thumb locking

DIN 862
Stainless steel

Vernier and scale satin chrome-plated.

- Features:
- Vernier mm/inch
 - Thread table on rear side

Package contents:
Delivered in case incl. declaration of conformity.

Appropriate accessories:
111811 Measuring bridge NERIOX for calipers

Order ID		110861.0100
Range	mm	150
Range	in	6
Vernier bottom	mm	0.05
Vernier top		1/128"
Measuring jaw length	mm	40
Depth gauge		rectangular
Drive wheel		—

111241 Shop caliper gauge NERIOX

Fine adjustment
Stainless

Blade tips for external measurement, vernier and scale satin chrome-plated.

Features:

- Fine adjustment

Package contents:

Delivered in case incl. declaration of conformity.

Order ID	111241.0100	
Range	mm	300
Vernier bottom	mm	0.05
Vernier top		1/128"
Range inside from	mm	10
Measuring jaw length	mm	90

NERIOX



111811 Measuring bridge NERIOX for calipers

Hardened stainless steel

Measuring bridge for analog and digital calipers. To enlarg the contact surface for depth measurements.

Features:

- Fixing screw
- For calipers with width 16 mm

Order ID	Measuring surface
	mm
111811.0100	75 x 6

NERIOX



Measuring surface 75 x 6 mm

111891 Reference set NERIOX for caliper gauge

For checking the accuracy of calipers to DIN 862. Consisting of 3 parallel gauge blocks (tolerance class 1) and 2 steel adjusting rings gauges.

Set consisting of:

3 Parallel gauge blocks 30.0 / 41.3 / 131.4 mm
2 Ring gauges Ø 4 / Ø 25 mm

Package contents:

Delivered in wooden case incl. ISO certificate.

Order ID	Set composition
111891.0100	30.0 / 41.3 / 131.4 / Ø 4 / Ø 25

NERIOX



113906 Measuring tool set NERIOX

BASIC-DIGITAL

Designs:

109321.0300 Caliper gauge digital NERIOX depth gauge round 150B / 0.01

111811.0100 Measuring bridge NERIOX Measuring surface 75 x 6 / 16

115161.0100 External micrometer digital NERIOX 0...25 / 0.001 / IP65

Package contents:

Delivered in wooden case Basic 114480.0100

Order ID	113906.0101
Type	BASIC-DIGITAL

NERIOX



114098 Measuring tool set NERIOX

BASIC-DIAL

Designs:

110511.0100 Caliper gauge with round dial NERIOX 1 revolution = 1 mm, with protection 150 / 0.01

111811.0100 Measuring bridge NERIOX Measuring surface 75 x 6 / 16 mm

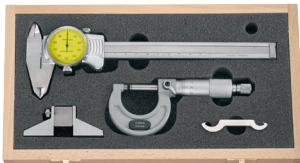
115706.0100 Micrometer NERIOX with ratchet 0...25 / 0.01

Package contents:

Delivered in wooden case BASIC 114480.0100

Order ID	114098.0101
Type	BASIC-DIAL

NERIOX





114351 Measuring tool set NERIOX

CLASSIC-ANALOG

Consisting of:

- 110856.0100 Caliper gauge NERIOX Fixing screw on top 150 / 0.05
- 115706.0100 Micrometer NERIOX with ratchet 0...25 / 0.01
- 139401.0100 Hard metal scribe NERIOX clip, hexagonal shaft, length 150 mm
- 140711.0301 Bevelled precision square NERIOX INOX DIN875/00 100 x 70
- 158681.0200 Steel rule INOX NERIOX upper 1/1 mm, lower 1/1 mm 150 x 13
- 162410.0100 Radius gauge 1 17 gauges, radii 1...7 mm
- 162501.0200 Double threas pitch gauge NERIOX Metric ISO and Whitworth threads 0.25...6 / 4...62

Package contents:

Supplied in wooden case Classic 114480.0200

Order ID	114351.0101
Type	CLASSIC-ANALOG



112891.0100



TA



TE



TD

112891 Depth gauge NERIOX

Stainless version - Rail and vernier satin chrome-plated.

Designs:

- Type TA: straight measuring rod
- Type TD: hook measuring rod
- Type TE: double-hook measuring rod

Package contents:

Delivered in case incl. declaration of conformity.

Order ID	Type	Range mm	Vernier bottom mm	Length of base mm	Rail cross section mm
112891.0100	TA	200	0.05	100	10 x 4
112891.0200	TA	300	0.05	150	12 x 4
112891.0300	TE	200	0.05	100	10 x 4
112891.0500	TD	200	0.05	100	10 x 4
112891.0600	TD	300	0.05	150	12 x 4



115159 External micrometer digital NERIOX

Scale barrel and sleeve satin chrome plated. Carbide-coated measurement surfaces, ground and precision-lapped.

Features:

- LCD display
- ZERO (sets display to zero)
- ABS (switch between relative/absolute mode)
- Conversion mm/inch
- Auto-Power OFF

Package contents:

Delivered in case incl. adjusting wrench adjustment gauge (from 25 mm) and declaration of conformity.

Appropriate batteries:

- 1 pieces 115159.0200 - 25...50 / 0.001 / IP65 (included in scope of delivery).
- 1 pieces 155051.0546 - CR2032 / 3.0 V / 4 pieces (included in scope of delivery).
- 1 pieces 115159.0300 - 50...75 / 0.001 / IP65 (included in scope of delivery).
- 1 pieces 155051.0546 - CR2032 / 3.0 V / 4 pieces (included in scope of delivery).
- 1 pieces 115159.0400 - 75...100 / 0.001 / IP65 (included in scope of delivery).
- 1 pieces 155051.0546 - CR2032 / 3.0 V / 4 pieces (included in scope of delivery).

Order ID		115159.0200	115159.0300	115159.0400
Range	mm	25...50	50...75	75...100
Resolution	mm	0.001	0.001	0.001
Accuracy	µm	4	5	5
Measuring spindle Ø	mm	6.5	6.5	6.5
Spindle pitch	mm	0.5	0.5	0.5
Protection class		IP65	IP65	IP65
Digit height	mm	8.5	8.5	8.5

115705 External micrometer NERIOX

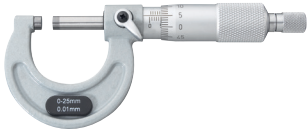
Solid construction with ratchet thimble and clamping mechanism. Scale barrel and sleeve matt chrome-plated. Measurement surfaces, ground and precision-lapped.

Package contents:

Delivered in plastic case (from 150 mm in transport packaging made of wood) incl. adjusting wrench, adjustment gauge (from 25 mm) and declaration of conformity.

Order ID	Range mm	Resolution mm	Accuracy µm	Measuring spindle Ø mm	Spindle pitch mm
115705.0200	25...50	0.01	4	6.5	0.5
115705.0300	50...75	0.01	5	6.5	0.5
115705.0400	75...100	0.01	5	6.5	0.5
115705.0500	100...125	0.01	6	6.5	0.5
115705.0600	125...150	0.01	6	6.5	0.5

NERIOX



115707 Outside micrometer set NERIOX

With feeler ratchet, protective insulation and clamping mechanism. Scale barrel and sleeve matt chrome plated, C-frame gray lacquered. Carbide-coated measurement surfaces, ground and precision-lapped.

Designs:

Set of 4 external micrometers
0...25 / 25...50 / 50...75 / 75...100 mm incl. adjusting gauges 25 / 50 / 75 mm

Package contents:

Delivered in wooden case incl. adjusting wrench, adjusting gauges and declaration of conformity.

Appropriate accessories:

163309 Parallel gauge block set FUTURO carbide class 0

Order ID	Range mm	Resolution mm	Accuracy µm	Measuring spindle Ø mm	Spindle pitch mm	Number of instruments
115707.0100	0...100	0.01	4 / 5	6.5	0.5	4

NERIOX



115746 External micrometer NERIOX

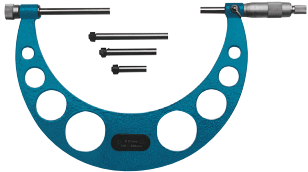
With interchangeable measuring anvil for a variable measuring range. Lightweight micrometer construction (from 300 mm), blue painted with feeler ratchet and clamping mechanism. Scale barrel and sleeve satin chrome-plated. Carbide-coated measurement surfaces, ground and precision-lapped.

Package contents:

Delivered in case incl. adjusting wrench, adjustment gauges, measuring inserts and declaration of conformity.

Order ID	Range mm	Resolution mm	Accuracy µm	Measuring spindle Ø mm	Spindle pitch mm
115746.0100	100...200	0.01	7	6.5	0.5
115746.0200	200...300	0.01	9	6.5	0.5
115746.0300	300...400	0.01	11	8.0	0.5
115746.0400	400...500	0.01	13	8.0	0.5

NERIOX



up to 300 mm

115706 External micrometer NERIOX

DIN 863

Solid construction with ratchet thimble and clamping mechanism. Scale barrel and sleeve matt chrome-plated. Measurement surfaces, ground and precision-lapped.

Package contents:

Delivered in plastic case incl. adjusting wrench and ISO certificate.

Appropriate accessories:

116138 Device holder NERIOX

Order ID	115706.0100
Range	mm 0...25
Resolution	mm 0.01
Accuracy	µm 4
Measuring spindle Ø	mm 6.5
Spindle pitch	mm 0.5
Measuring pressure	N 5...10
Division	1/50 mm
A	mm 31
B	mm 23.5
C	mm 6.5
H	mm 18
L	mm 131.8
W	mm 55.8

NERIOX





115161 External micrometer digital NERIOX IP65

DIN 863

Scale barrel and sleeve satin chrome plated. Carbide-coated measurement surfaces, ground and precision-lapped.

- Features:
- LCD display
 - ZERO (sets display to zero)
 - ABS (switch between relative/absolute mode)
 - Conversion mm/inch
 - Auto-Power Off

Package contents:
Delivered in plastic case incl. adjusting wrench and ISO certificate.

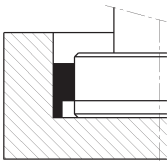
Appropriate accessories:
116138 Device holder NERIOX

Appropriate batteries:
1 pieces 115161.0100 - 0...25 / 0.001 / IP65 (**NOT** included in scope of delivery).
1 pieces 155051.0546 - CR2032 / 3.0 V / 4 pieces (**NOT** included in scope of delivery).

Order ID	115161.0100		
Range	mm	0...25	
Resolution	mm	0.001	
Accuracy	µm	4	
Measuring spindle Ø	mm	6.5	
Spindle pitch	mm	0.5	
Protection class		IP65	
Digit height	mm	8.5	
Measuring pressure	N	5...10	



120253.0200



> Ø 12 mm
for blind holes

120253 Set of internal micrometers NERIOX

Internal micrometers for measuring through holes and blind holes (< Ø 12 to 1.5 mm from bottom).

- Features:
- Carbide-coated measuring surfaces
 - Satin chrome-plated vernier

Note:
The accuracy specifications assume that the measuring surfaces are in contact with the test object along their whole length

Package contents:
Delivered in case incl. extension 150 mm, setting rings and declaration of conformity.

Order ID		120253.0100	120253.0200	120253.0300
Range	mm	6...12	12...20	20...50
Resolution	mm	0.001	0.005	0.005
Accuracy	µm	4	5	5
Number of instruments		3	2	4
Range 1	mm	6...8	12...16	20...25
Range 2	mm	8...10	16...20	25...30
Range 3	mm	10...12	—	30...40
Range 4	mm	—	—	40...50
Adjusting ring Ø	mm	6 / 8 / 10	16	25 / 40
Measuring depth	mm	55	80	90 / 97
Extensions	pieces	1	1	1

120263 Internal micrometer NERIOX

Internal micrometers for measuring through holes and blind holes (< Ø 12 to 1.5 mm from bottom).

Features:

- Carbide-coated measuring surfaces
- Satin chrome-plated vernier

Note:

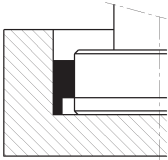
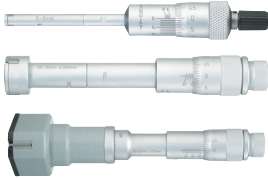
The accuracy specifications assume that the measuring surfaces are in contact with the test object along their whole length

Package contents:

Delivered in case incl. setting ring and declaration of conformity.

Order ID	Range mm	Resolution mm	Accuracy µm	Adjusting ring Ø mm	Measuring depth mm
120263.0100	6...8	0.001	4	6	55
120263.0200	8...10	0.001	4	8	55
120263.0300	10...12	0.001	4	10	55
120263.0400	12...16	0.005	5	16	80
120263.0500	16...20	0.005	5	16	80
120263.0600	20...25	0.005	5	25	90
120263.0700	25...30	0.005	5	25	90
120263.0800	30...40	0.005	5	40	97
120263.1000	50...63	0.005	5	62	115
120263.1100	62...75	0.005	5	62	115

NERIOX



Ø 12 mm
for blind holes

116136 Device holder NERIOX

Can be used for external micrometers and other equipment.
For series measurementsuse in production and inspection. Inclinaible fine adjustment mechanism.

Order ID	Opening mm
116136.0101	0...22

NERIOX



116136.0101

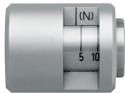
116136.0200

116086 Measuring force tester NERIOX

Suitable for external micrometers with a measuring spindle from Ø 6.35...8.0 mm.

Order ID	Range N	Length mm	Spindle Ø mm	Weight kg
116086.0100	5...12	25	6.35 / 6.5 / 8.0	0.120

NERIOX



116138 Device holder NERIOX

Can be used for external micrometers and other equipment.
For series measurementsuse in production and inspection. Inclinaible fine adjustment mechanism.

Package contents:

Delivered in transport packaging.

Order ID	Opening mm	Inclination	Material
116138.0100	0...20	>90°	Steel

NERIOX



123451 Dial gauge NERIOX
DIN 878

Robust analog dial gauge with metal housing and adjustable tolerance marks. Ensures precise measurements, ideal for workshops, manufacturing, and quality control.

- Features:
- Rotating dial
 - Two adjustable tolerance marks
 - Clamping shaft Ø 8 mm
 - Steel probe
 - Ball diameter 3 mm
 - Exchangeable measuring insert M2.5
 - IP40

Package contents:
1 mounting plate
Delivered in a plastic case, including ISO certificate.



Order ID		123451.0100
Travel	mm	10
Resolution	mm	0.01
Bezel Ø	mm	51.8
Measuring pressure	N	0.4...1.4
Accuracy	µm	15
Accuracy		DIN 878
Lettering		0...100
Protection antichoc		—
1 revolution	mm	1

123452 Dial gauge NERIOX impact-resistant
DIN 878

Robust, shock-resistant analog dial gauge with metal housing and adjustable tolerance marks. Ensures precise measurements, ideal for workshops, manufacturing, and quality control.

- Features:
- Rotating dial
 - Two adjustable tolerance marks
 - Clamping shaft Ø 8 mm
 - Steel probe
 - Ball diameter 3 mm
 - Exchangeable measuring insert M2.5
 - IP40
 - Impact-resistant

Package contents:
Delivered in a plastic case, including ISO certificate.



Order ID		123452.0100
Travel	mm	10
Resolution	mm	0.01
Bezel Ø	mm	51.8
Measuring pressure	N	0.4...1.4
Accuracy	µm	15
Accuracy		DIN 878
Lettering		0...100
Protection antichoc		•
1 revolution	mm	1

121859 Dial gauge digital NERIOX IP65

The digital dial gauge offers high precision and robust construction. It is ideal for accurate measurements in manufacturing and quality control, and its intuitive operation makes work more efficient.

Features:

- LCD display
- Zero setting
- Measuring direction ±
- Measuring mode INC / ABS
- CAL (preset value input)
- TOL (tolerance input)
- Conversion mm / inch
- IP65
- Steel probe
- Ball diameter 4.5 mm
- Exchangeable measuring insert M2.5

Package contents:

Delivered in a plastic case, including ISO certificate.

Appropriate batteries:

1 pieces 155050.1400 - CR2032 / 3.0 V (NOT included in scope of delivery).

Order ID		121859.0100	121859.0200	121859.0300
Travel	mm	12.7	25.4	50.8
Resolution	mm	0.01	0.01	0.01
Measuring pressure	N	1.5	2.2	2.5
Accuracy	µm	15	15	20
Digit height	mm	10	10	10
Protection class		IP65	IP65	IP65
Size		Ø 58 mm	Ø 58 mm	Ø 58 mm



124402 Dial test indicator NERIOX

standard

DIN 2270

Standard version for heavy-duty workshop use, suitable for difference measurements, measurements of shape, position and place deviations as well as radial and axial runout.

Features:

- Measures in 2 directions
- Measuring stylus M1.6 with carbide ball Ø 2 mm

Package contents:

1 clamping shaft Ø 4 mm

1 clamping shaft Ø 8 mm

Delivered in a plastic case, including ISO certificate.

Order ID		124402.0100
Range	mm	± 0.4
Resolution	mm	0.01
Bezel Ø	mm	33.6
Repeatability	µm	3
Measuring pressure	N	0.1...0.5
Lettering		0...40...0
Probe	mm	12.4
Ball Ø	mm	2
Swivel area		2 x 110°
Material		Metal
Designation		1 clamping shaft Ø 4 mm 1 clamping shaft Ø 8 mm





Example of application

126851 Magnetic measuring stand NERIOX

For control measurements with dial gauges and fine probes. Precision stand, solid construction, on/off prismatic magnet foot.

Package contents:
Delivered in transport packaging, **without dial gauge**.

Appropriate accessories:
from 121450 Dial gauges
from 124210 Dial test indicators

Order ID		126851.0100	126851.0200
Height	mm	285	500
Vertical arm	mm	Ø 16 x 220	Ø 20 x 420
Horizontal arm	mm	Ø 16 x 180	Ø 16 x 180
Base	mm	70 x 46 x 65	75 x 60 x 80
Adhesive strength	N	600	800
Dial gauge holder	mm	Ø 8	Ø 8



Application

126871 Magnetic measuring stand NERIOX

QUICK-CHECK

Magnet can be switched on and off, gooseneck-like, lockable articulated arm bends and rotates, also for hard-to-access locations. Clamping piece with dovetail and Ø 8 mm dial gauge Holder.

Package contents:
Delivered in transport packaging, **without dial gauge**.

Appropriate accessories:
from 121450 Dial gauges
from 124210 Dial test indicators

Order ID		126871.0100
Length of the arm	mm	285
Base	mm	70 x 46 x 65
Adhesive strength	N	600
Dial gauge holder	mm	Ø 8



126911.0100

126911 Magnetic measuring stand NERIOX

Small measuring stand with permanent magnet. Horizontal arm with fine adjustment, clamping piece with dovetail and Ø 8 mm dial gauge Holder.

Package contents:
Delivered in transport packaging, **without dial gauge**.

Appropriate accessories:
from 121450 Dial gauges
from 124210 Dial test indicators

Order ID		126911.0101
Height	mm	170
Vertical arm	mm	Ø 10
Horizontal arm	mm	Ø 8 x 130
Base	mm	Ø 40 x 30
Adhesive strength	N	250
Dial gauge holder	mm	Ø 8
Weight	kg	0.6



127101 Measuring stand NERIOX

Model with fine adjustment and V-block on the underside. Seat and bearing surfaces ground. Holder for Ø 8 mm or for dovetail.

Package contents:
Delivered in transport packaging, **without dial gauge**.

Appropriate accessories:
Dial gauges from 121450
Dial test indicators from 124210

Order ID		127101.0100
Height	mm	300
Vertical arm	mm	Ø 16
Horizontal arm	mm	Ø 16 x 180
Base	mm	250 x 60 x 35
Dial gauge holder	mm	Ø 8
Weight	kg	3.8

127501 Hard-stone measuring table NERIOX



Made of black granite - Evenness in accordance with DIN 876/00, steel pillar.

Designs:

127501.0100...127501.1000: Fixed horizontal arm

127501.1100: Horizontal arm adjustable

Package contents:

Delivered in transport packaging.

Appropriate accessories:

starting from 121450, 942300 Dial gauges

Order ID		127501.0100	127501.1000	127501.1100
Measuring height	mm	150	210	230
Capacity	mm	60	115	200
Table size	mm	200 x 100 x 50	250 x 200 x 50	250 x 200 x 50
Evenness	µm	3	3	3
Vertical arm	mm	Ø 22	35	Ø 35
Height	mm	260	265	265
Dial gauge holder	mm	Ø 8	Ø 8	Ø 8
Weight	kg	4	10.5	11



127501.0100

NERIOX



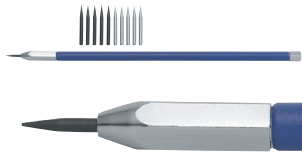
139094 Parallel scriber NERIOX

Model with cylindrical pillar and round cast-iron stand with ground base. Scriber made of hardened steel, can be pivoted and rotated. Needle and carrier may be locked.

Package contents:
Delivered in transport packaging.

Order ID	Height mm	Column Ø mm	Base mm
139094.0200	500	10	Ø 90 x 20

NERIOX



139202 Scriber with chuck NERIOX

Hollow steel shaft (5 mm) sheathed in plastic, with clamping chuck. Tips hardened and replaceable.

Package contents:
Delivered with 12 replacement tips, which are stored in the shaft.

Order ID	Length mm
139202.0100	150

NERIOX



139231 Engineer's scriber NERIOX

Steel burnished

Hardened version with knurled metal handle.

Order ID	Length mm
139231.0100	180

NERIOX

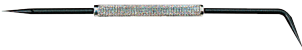


139265 Engineers Scriber NERIOX

Straight and curved tips made of steel. Red plastic handle, length 70 mm.

Order ID	Length mm
139265.0100	220

NERIOX



139271 Engineers Scriber NERIOX

With hardened steel tips, handle made of galvanised steel.

Order ID	Length mm
139271.0100	180

NERIOX



139391.1000

139391 Carbide scriber NERIOX

The carbide tip can be retracted into the protective shaft. Version with clip.

Order ID	Length mm
139391.1000	146

NERIOX



139393 Replacement carbide tip NERIOX

Suitable for:
139391 Carbide scriber NERIOX

Order ID	Ø mm	Length mm
139393.0100	2	30

NERIOX



139401 Hard metal scriber NERIOX with clip

Scriber with carbide tip, chrome-plated hex steel handle and clip.

Order ID	Length mm
139401.0100	150

139571 Stainless scribe gauge NERIOX

With stop roller. **Highly suited for scribing parallels.** Stainless, brushed chrome plated model. Calibration and vernier mm/inch Stop roller Ø 8 mm, Scribing needle Ø 2 mm hardened and replaceable.

NERIOX



Package contents:

Delivered in holster,including 1 replacement scriber needle.

Order ID	Range mm	Vernier bottom mm	Vernier top
139571.0100	200	0.01	1/128"

139576 Replacement scriber NERIOX

Made made of steel, hardened

NERIOX



Suitable for:

139571 Stainless scribe gauge NERIOX

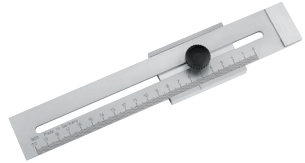
Order ID	Ø mm
139576.0100	2

139606 Metalworker’s scribe gauge NERIOX

Steel

NERIOX

Chrome-plated version, markin edges hardened . Marking gauge with flat slider and scale with mm gra-
duation.



Package contents:

Delivered in transport packaging.

Order ID	Range mm	Resolution mm	Scribing length mm
139606.0100	200	1	40
139606.0200	250	1	40
139606.0300	300	1	40

139796 Compass NERIOX

Steel

NERIOX



Ground and polished, square legs with hardened tips.

Order ID	Length mm
139796.0200	200
139796.0300	250
139796.0400	300

139801 Compass NERIOX with adjusting bow

Steel

NERIOX



Ground and polished, square legs with hardened tips.

Order ID	Length mm
139801.0100	150
139801.0200	200
139801.0300	250
139801.0400	300
139801.0500	400
139801.0600	500

139811 Inside compass NERIOX

Bright steel punched

NERIOX



Ground and polished version.

Order ID	Length mm
139811.0200	200
139811.0300	250
139811.0400	300

NERIOX



139831 Caliper compass NERIOX
Bright steel punched

Ground and polished version.

Order ID	Length mm
139831.0200	200
139831.0300	300

NERIOX



140281 Bevelled precision straight edge NERIOX
DIN 874/00

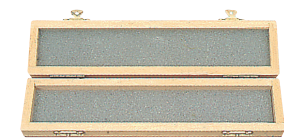
Control tool in a highly precise version, made of hardened steel, non-glare black-oxide finish, precisely ground and lapped with insulated handle.

Package contents:
Delivered in leatherette case.

Appropriate accessories:
140296 Wooden case NERIOX

Order ID	Length mm
140281.0100	50
140281.0200	75
140281.0300	100
140281.0400	125
140281.0500	150
140281.0600	200
140281.0700	300
140281.0800	400
140281.0900	500

NERIOX



140296 Wooden case NERIOX

For precision knife-edge straight-edge.

Order ID	for length mm
140296.0100	100
140296.0200	150

NERIOX



140303 NERIOX knife-edge straightedge set
DIN 874/00

Highly suitable for **checking surfaces right into the corners of grooves and blind holes**. Set consisting of 6 knife-edge straightedges, hardened, ground on all sides and burnished.

Package contents:
Delivered in wooden case.

Order ID	Length mm	Thickness mm
140303.0100	8 / 12 / 16 / 20 / 30 / 40	5

NERIOX



140506 Acute angle 45° NERIOX
DIN 875/2

Made of steel, uprights precision-ground, flat sides processed.

Order ID	Side lengths mm	Profile mm
140506.0100	120 x 80	20 x 5
140506.0200	150 x 100	20 x 5
140506.0300	200 x 130	25 x 5

NERIOX



140521 Flange square NERIOX
Steel zinc plated

Uprights and flat sides processed.

Order ID	Side lengths mm	Flange width mm	Profile mm
140521.0100	300 x 300	110 x 50	30 x 5
140521.0200	400 x 400	120 x 60	30 x 5
140521.0300	500 x 500	130 x 75	30 x 5

140535 NERIOX centring angle

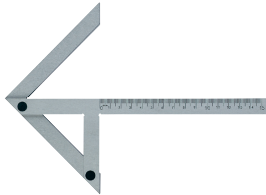
DIN 875/1

Steel chrome-plated

Precision version with mm graduation on the scale. Ground functional sides ground, machined flat sides.

Order ID	Side lengths mm	for shafts Ø mm
140535.0100	100 x 70	90
140535.0200	150 x 130	190
140535.0300	200 x 150	220

NERIOX



140646 Wooden case NERIOX

For flat, try and precision squares.

Designs:

140646.0200: For squares with and without stop

140646.0300: For squares without stop

Order ID	Overall size mm	Internal size mm	for sizes mm
140646.0200	126 x 91 x 29	110 x 75	100 x 70
140646.0300	176 x 123 x 29	160 x 105	150 x 100

NERIOX



140711 Bevelled precision square NERIOX INOX

DIN 875/00

Stainless steel, hardened

With 2 wedge-shaped knife edges. Uprights and flat sides ground.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm
140711.0201	75 x 50	16 x 4
140711.0301	100 x 70	20 x 5
140711.0401	150 x 100	28 x 6
140711.0501	200 x 130	30 x 7

NERIOX



140761 Stainless toolmaker square NERIOX

DIN 875/00

Stainless steel, hardened

With a bevelled edge at the inside. Uprights ground and flat sides accurately precision ground. Inspection faces lapped. Suitable for fixture and tool construction.

Order ID	Side lengths mm	Profile mm
140761.0100	25 x 20	5.0 x 3.5
140761.0200	40 x 28	5.5 x 3.5

NERIOX



140781 Toolmaker square NERIOX

DIN 875/0

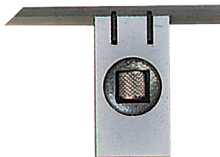
Precision version with movable knife-edge straightedge. All measurement surfaces finely ground. Suitable for checking work via the air-gap method.

Package contents:

Delivered in case.

Order ID	Straight edge length mm	Profile mm	Handle length mm
140781.0100	60	4 x 4	40

NERIOX



NERIOX



140791 Toolmaker square NERIOX adjustable

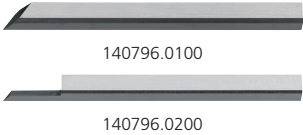
Angle can be set - Angle adjustment by micrometer screw. Made of steel, with chrome-plated read section. Suitable for measurement and checking work in tool and mould construction.

- Features:
- Adjustment up to 5°
 - Division 5'
 - Accuracy 3'
 - Straightedge parallelism 0.001 mm

Package contents:
Delivered in case.

Order ID	Straight edge length mm	Adjustability	Division	Handle length mm
140791.0100	100	5°	5'	60

NERIOX

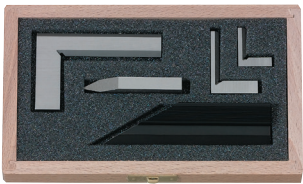


140796 Bevelled straight edge NERIOX

Suitable for:
140791 Toolmaker square NERIOX adjustable

Order ID	140796.0100	140796.0200
Length	mm 100	100
Version	Bevelled straight edge standard	Bevelled straight edge with tapered end

NERIOX



140821 Control tool set NERIOX

CLASSIC 5-piece set consisting of:
Knife-edge straightedge, 100 mm, DIN 874/00
Knife-edge straightedge, stainless 75 x 50 mm, DIN 875/00
Tool-and-die-maker bevelled square, stainless 40 x 28 mm
Tool-and-die-maker bevelled square, stainless 25 x 20 mm
Gauge block scribing tip 60 x 8 x 8 mm

Package contents:
Delivered in case.

Order ID	Type
140821.0100	CLASSIC

NERIOX



140462 Metalworker's flat square NERIOX
Steel zinc plated

Cleanly processed, flat sides finished, high edges finely lased.

Note:
Metalworker's squares are not standardised according to DIN. They should therefore only be used for very simple tasks.

Order ID	Side lengths mm	Profile mm
140462.0100	100 x 70	5 x 20
140462.0200	150 x 100	5 x 20
140462.0300	200 x 130	5 x 20
140462.0400	250 x 160	5 x 25
140462.0500	300 x 180	5 x 25
140462.0600	400 x 230	5 x 30
140462.0700	500 x 280	5 x 30
140462.0800	600 x 330	5 x 30
140462.0900	750 x 375	5 x 30
140462.1000	1000 x 500	5 x 30

140472 Metalworker's try square NERIOX

Steel zinc plated

Cleanly processed, flat sides finished, high edges finely lasered.

Note:

Metalworker's squares are not standardised according to DIN. They should therefore only be used for very simple tasks.

Order ID	Side lengths mm	Profile mm
140472.0100	100 x 70	5 x 20
140472.0200	150 x 100	5 x 20
140472.0300	200 x 130	5 x 20
140472.0400	250 x 160	5 x 25
140472.0500	300 x 180	5 x 25
140472.0600	400 x 230	5 x 30
140472.0700	500 x 280	5 x 30
140472.0800	600 x 330	5 x 30
140472.0900	750 x 375	5 x 30
140472.1000	1000 x 500	5 x 30

NERIOX



140961 Bevel square NERIOX

Made of galvanised steel, not divided into degrees.

Order ID	Side length mm
140961.0100	200
140961.0300	300

NERIOX



140970 Bevel square with protractor NERIOX

Steel, matt chrome plated

For measuring angles of 0...180°, with locking screw.

Order ID	Partial arc Ø mm	Side length mm
140970.0100	80	120
140970.0200	120	150
140970.0300	150	200
140970.0400	200	300
140970.0500	300	600

NERIOX



140977 Protractor digital NERIOX

Degree scale and measuring pointer made of stainless steel. All measuring edges finely ground. The movable measuring pointer can be fixed in place using a knurled nut.

Features:

- Reading 0.05°
- Measurement range 180°

Package contents:

Delivered in own case.

Appropriate batteries:

- 1 pieces 140977.0100 - Ø 120 / 150 (included in scope of delivery).
- 1 pieces 155051.0546 - CR2032 / 3.0 V / 4 pieces (included in scope of delivery).
- 1 pieces 140977.0200 - Ø 150 / 200 (included in scope of delivery).
- 1 pieces 155051.0546 - CR2032 / 3.0 V / 4 pieces (included in scope of delivery).
- 1 pieces 140977.0300 - Ø 200 / 300 (included in scope of delivery).
- 1 pieces 155051.0546 - CR2032 / 3.0 V / 4 pieces (included in scope of delivery).

Order ID	Partial arc Ø mm	Side length mm	Accuracy
140977.0100	120	150	0.3°
140977.0200	150	200	0.3°
140977.0300	200	300	0.3°

NERIOX



141051 Protractor with fine adjustment NERIOX

Made of stainless steel, with sliding and interchangeable measuring bar.

Features:

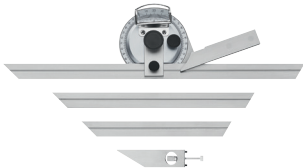
- Panoramic magnifier
- Sliding straightedge
- Non-glare reading
- Parallax-free vernier reading

Package contents:

Delivered in a case with 3 rulers 150 mm, 200 mm and 300 mm incl. declaration of conformity.

Order ID	Straight edge length mm	Scaling	Resolution
141051.0100	150 / 200 / 300	4 x 90°	5' (1/12°)

NERIOX



NERIOX



140990 Combination square set NERIOX

With angle measurer and centring square

For use as a protractor, straightedge, rule, depth gauge, stop square, centring square and mitre square, and as a spirit level with bubble tube.

Features:

- Fixed scale 300 mm of hardened stainless steel
- Angle part, angle measurer and centring square of light metal alloy

Package contents:

Delivered in case.

Order ID	140990.1000
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NERIOX



143451 V-Block pairs double prisms NERIOX with V-support

Steel hardened

Finely ground in pairs with 2 incisions 90° of different sizes.

Features:

- Parallelism and angularity tolerance **0.004 mm**
- Prism, flat sides and prism to flat sides **0.01 mm**

Package contents:

Delivered in woden case including clamping yokes.

Appropriate spare parts:

143430 Clamping yokes for V-type supports

Order ID	Length mm	Width mm	Height mm	Incision	for shafts Ø mm
143451.0100	50	40	40	90°	5...30
143451.0200	75	55	55	90°	5...50
143451.0300	100	75	75	90°	7...70

NERIOX



143521 Pair of double V-blocks NERIOX with v-grooves

Steel hardened

Finely ground in pairs with 1 incision 90°.

Features:

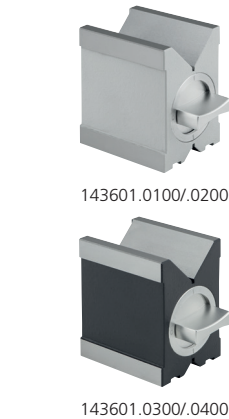
- Parallelism and angularity tolerance **0.004 mm**
- Prism, flat sides and prism to flat sides **0.01 mm**

Package contents:

Delivered in transport packaging.

Order ID	Length mm	Width mm	Height mm	Incision	for shafts Ø mm	Weight per unit kg
143521.0100	75	35	30	90°	5...40	0.48
143521.0200	100	47	40	90°	5...55	1.10

NERIOX



143601 Vee NERIOX with V support

Magnetic

Single vee made of steel, magnet with On/Off control, for measuring, scribing and machining workpieces on machine tools. Vee with all sides parallel and fine-ground corners.

Designs:

143601.0100...143601.0200: Standard version

143601.0300...143601.0400: Hardened version

Features:

- Parallelism and angularity tolerance **0.004 mm**
- Prism, flat sides and prism to flat sides **0.01 mm**

Package contents:

Delivered in woden case.

Order ID		143601.0100	143601.0200	143601.0300	143601.0400
Length	mm	80	100	80	100
Width	mm	67	70	67	70
Height	mm	96	96	96	96
Accuracy	mm	0.004	0.004	0.004	0.004
Incision		90°	90°	90°	90°
for shafts Ø	mm	6...66	6...70	6...66	6...70
Adhesive force surface	N	900	1200	900	1200
Adhesive force in V-block	N	400	400	400	400
Weight	kg	2.85	3.80	2.85	3.80

152351 Zoom stereo microscope NERIOX SVZ

Robust zoom stereo microscope with zoom lens for inspection jobs during production, continuously adjustable from 7x...45x.

Designs:

152351.0100 SVZB: Standard

Features:

- Prism head 45° can be rotated by 360 °
- Diopter compensation
- 10x eyepieces
- Adjustable interpupillary distance
- Tripod with quick and fine adjustment
- Incident light and transmitted light (LED) adjustable

Package content:

Stand and prism head, eye guards, dust cover, power supply.

Appropriate accessories:

151300 Cleaning utensils Optics

Order ID	152351.0100
Type	SVZB
Magnification	7x...45x
Zoom	0.7...4.5
Field of vision Ø	mm30...4
Object disk Ø	mm82
Working distance	mm105
Work piece height max.	mm80

NERIOX



152351.0100

NERIOX



1/1 mm - 1/1 mm

158681 Stainless steel rule NERIOX

1/1 mm - 1/1 mm

Stainless, flexible design.

Design:

Precision graduation **top 1/1 mm, bottom 1/1 mm**

EC accuracy class II

Order ID	Length mm	Profile mm	EC Class
158681.0100	100	13 x 0.5	II
158681.0200	150	13 x 0.5	II
158681.0300	200	13 x 0.5	II
158681.0400	300	15 x 0.5	II
158681.0500	500	18 x 0.5	II
158681.0600	1000	18 x 0.5	II

NERIOX



1/2 mm - 1/1 mm

158691 Stainless steel rule NERIOX

1/2 mm - 1/1 mm

Stainless, flexible design.

Design:

Precision graduation **top 1/2 mm, bottom 1/1 mm**

EC accuracy class II

Order ID	Length mm	Profile mm	EC Class
158691.0100	100	13 x 0.5	II
158691.0200	150	13 x 0.5	II
158691.0300	200	13 x 0.5	II
158691.0400	300	15 x 0.5	II
158691.0500	500	18 x 0.5	II
158691.0600	1000	18 x 0.5	II

NERIOX



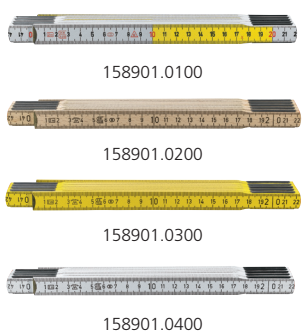
mm graduation

158721 Bevelled aluminium NERIOX straightedge

With non-slip rubber. Anodised aluminium alloy design, bevelled, with **mm-graduation**. Handy, light and corrosion-resistant. Non-glare surface with black, high-contrast scale.

Order ID	Length mm	Profile mm
158721.0100	300	35 x 3.5

NERIOX



158901.0100

158901.0200

158901.0300

158901.0400

158901 Wooden folding rule NERIOX

Rugged quality, stable with maximum flexibility.

Features:

- Beech wood
- 10 segments
- mm graduation top/bottom
- EC accuracy class III
- Steel joints
- Concealed rivets

Order ID	Length m	Width mm	EC Class	Colour	Material
158901.0101	2	17	III	white/yellow	Beech wood
158901.0201	2	17	III	nature	Beech wood
158901.0301	2	17	III	yellow	Beech wood
158901.0401	2	17	III	white	Beech wood

NERIOX



159421 Circumference measuring tape NERIOX

Hardened spring steel with etched scale for measuring diameters and circumferences.

Features:

- Graduation mm
- Vernier scale 0.1 mm
- EC accuracy class II

Order ID	Circumference mm	Range Ø mm	Tape width mm	EC Class
159421.0100	60...950	20...300	16	II
159421.0200	940...2200	300...700	16	II
159421.0300	2190...3460	700...1100	16	II
159421.0400	3450...4720	1100...1500	16	II
159421.0500	4710...5980	1500...1900	16	II
159421.0600	5960...7230	1900...2300	16	II

159630 Tape rule NERIOX

Compact and simple design with release/locking button and yellow painted measuring tape. The sturdy, retractable strap lock is located in an ergonomically designed plastic housing. Safe handling thanks to a carrying loop and a steel belt clip. **EC accuracy class II.**

Order ID	Length	Tape width	EC Class
	m	mm	
159630.0100	3	16	II
159630.0110	3	16	II
159630.0200	5	19	II

NERIOX



159640 Tape rule NERIOX VISIO

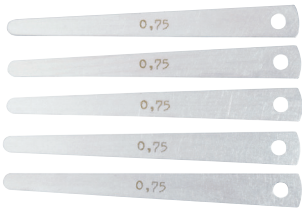
Compact design with release/locking button and yellow painted measuring tape. The sturdy, retractable strap lock is located in an ergonomically designed plastic housing with a viewing window and a steel strap clip. **EC accuracy class II.**

Order ID	Length	Tape width	EC Class
	m	mm	
159640.0100	3	16	II
159640.0200	5	19	II

NERIOX



NERIOX



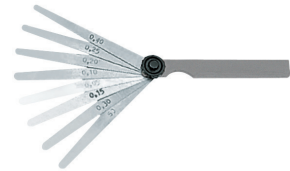
Set with 5 pieces

162061 Feeler gauges NERIOX
Spring steel, hardened

Single piece - Length 100 mm, conical, in plastic bags of 5 (individual strips not supplied).

Order ID	Thickness mm	Length mm	Tolerance mm	Order ID	Thickness mm	Length mm	Tolerance mm
162061.0100	0.02	100	0.004	162061.2900	0.40	100	0.012
162061.0200	0.03	100	0.004	162061.3000	0.42	100	0.012
162061.0300	0.04	100	0.004	162061.3100	0.44	100	0.012
162061.0400	0.05	100	0.004	162061.3200	0.45	100	0.012
162061.0500	0.06	100	0.004	162061.3300	0.46	100	0.014
162061.0600	0.07	100	0.005	162061.3400	0.48	100	0.014
162061.0700	0.08	100	0.005	162061.3500	0.50	100	0.014
162061.0800	0.09	100	0.005	162061.3600	0.55	100	0.014
162061.0900	0.10	100	0.005	162061.3700	0.60	100	0.014
162061.1000	0.11	100	0.005	162061.3800	0.65	100	0.014
162061.1100	0.12	100	0.005	162061.3900	0.70	100	0.017
162061.1200	0.13	100	0.005	162061.4000	0.75	100	0.017
162061.1300	0.14	100	0.006	162061.4100	0.80	100	0.019
162061.1400	0.15	100	0.006	162061.4200	0.85	100	0.019
162061.1500	0.16	100	0.007	162061.4300	0.90	100	0.022
162061.1700	0.18	100	0.007	162061.4400	0.95	100	0.022
162061.1800	0.20	100	0.008	162061.4500	1.00	100	0.024
162061.1900	0.22	100	0.008	162061.4600	1.10	100	0.024
162061.2000	0.24	100	0.008	162061.4700	1.20	100	0.024
162061.2100	0.25	100	0.009	162061.4800	1.30	100	0.028
162061.2200	0.28	100	0.009	162061.4900	1.40	100	0.028
162061.2300	0.30	100	0.009	162061.5000	1.50	100	0.028
162061.2400	0.32	100	0.011	162061.5100	1.60	100	0.033
162061.2500	0.34	100	0.011	162061.5200	1.70	100	0.033
162061.2600	0.35	100	0.011	162061.5300	1.80	100	0.033
162061.2700	0.36	100	0.012	162061.5400	1.90	100	0.035
162061.2800	0.38	100	0.012	162061.5500	2.00	100	0.035

NERIOX

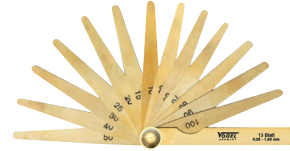


162111 Feeler gauge NERIOX

13 blades - length 100 mm, tapered, in nickel-plated sheath.

Order ID	Range mm	Range in	Thickness mm
162111.0100	0.05...1.00	0.002...0.040	0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.4 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0

NERIOX



162121 Feeler gauge NERIOX
brass

13 blades - length 100 mm, brass (antimagnetic), tapered, in brass sheath.

Order ID	Range mm	Thickness mm
162121.0100	0.05...1.00	0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.4 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0

NERIOX



162141 Feeler gauge NERIOX

14 blades - length 100 mm, tapered, in nickel-plated sheath.

Order ID	Range mm	Thickness mm
162141.0100	0.03...1.00	0.03 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0

162151 Feeler gauge NERIOX

20 blades - length 100 mm, tapered, in nickel-plated sheath.

Order ID	Range mm	Range in	Thickness mm
162151.0100	0.05...1.00	0.002...0.040	0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 0.4 / 0.45 / 0.5 / 0.55 / 0.6 / 0.65 / 0.7 0.75 / 0.8 / 0.85 / 0.9 / 0.95 / 1.0

NERIOX



162161 Feeler gauge NERIOX

Inox

20 blades - length 100 mm, stainless steel, tapered, in nickel-plated sheath.

Order ID	Range mm	Range in	Thickness mm
162161.0100	0.05...1.00	0.002...0.040	0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 0.4 / 0.45 / 0.5 / 0.55 / 0.6 / 0.65 / 0.7 0.75 / 0.8 / 0.85 / 0.9 / 0.95 / 1.0

NERIOX



162181 Feeler strips NERIOX

Spring steel, hardened

Single piece - Length 200 mm

NERIOX



Appropriate accessories:

162186 Holder NERIOX for feeler strips

Order ID	Thickness mm	Width mm	Tolerance mm	Order ID	Thickness mm	Width mm	Tolerance mm
162181.0100	0.03	12.7	0.004	162181.1200	0.30	12.7	0.009
162181.0200	0.04	12.7	0.004	162181.1300	0.35	12.7	0.011
162181.0300	0.05	12.7	0.004	162181.1400	0.40	12.7	0.012
162181.0400	0.06	12.7	0.004	162181.1500	0.45	12.7	0.012
162181.0500	0.07	12.7	0.005	162181.1600	0.50	12.7	0.014
162181.0600	0.08	12.7	0.005	162181.1700	0.60	12.7	0.014
162181.0700	0.09	12.7	0.005	162181.1800	0.70	12.7	0.017
162181.0800	0.10	12.7	0.005	162181.1900	0.80	12.7	0.019
162181.0900	0.15	12.7	0.006	162181.2000	0.90	12.7	0.022
162181.1000	0.20	12.7	0.008	162181.2100	1.00	12.7	0.024
162181.1100	0.25	12.7	0.009				

162186 Holder NERIOX for feeler strips

Order ID	162186.0100
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NERIOX



162191 Feeler gauge set NERIOX

Spring steel, hardened

20 blades - width 12.7 mm, on ring.

Order ID	Length mm	Range mm	Thickness mm	Range in
162191.0100	200	0.05...1.0	0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 0.4 / 0.45 / 0.5 / 0.55 / 0.6 / 0.65 / 0.7 0.75 / 0.8 / 0.85 / 0.9 / 0.95 / 1.0	0.002...0.040
162191.0200	300	0.05...1.0	0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 0.4 / 0.45 / 0.5 / 0.55 / 0.6 / 0.65 / 0.7 0.75 / 0.8 / 0.85 / 0.9 / 0.95 / 1.0	0.002...0.040

NERIOX





162201 Feeler gauge set NERIOX
Spring steel, hardened

20 blades - width 12.7 mm, on ring.

Order ID	Length mm	Range mm	Thickness mm	Range in
162201.0100	200	0.1...2.0	0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 0.7 / 0.8 / 0.9 / 1.0 / 1.1 / 1.2 / 1.3 1.4 / 1.5 / 1.6 / 1.7 / 1.8 / 1.9 / 2.0	0.040...0.080
162201.0200	300	0.1...2.0	0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 0.7 / 0.8 / 0.9 / 1.0 / 1.1 / 1.2 / 1.3 1.4 / 1.5 / 1.6 / 1.7 / 1.8 / 1.9 / 2.0	0.040...0.080



162171 Feeler gauge NERIOX
21 blades - length 100 mm, tapered, in nickel-plated sheath.

Order ID	Range mm	Thickness mm
162171.0100	0.05...2.00	0.05 / 0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 0.7 / 0.8 / 0.9 / 1.0 / 1.1 / 1.2 / 1.3 1.4 / 1.5 / 1.6 / 1.7 / 1.8 / 1.9 / 2.0



163427 Bloque de calibre paralelo Acero NERIOX clase 1
DIN EN ISO 3650

The gauge blocks most often used as **working standards for setting and calibrating** gauges and measuring devices, and in testing rooms and production inspection areas.

Package contents:
Delivered incl. ISO certificate.

with ISO certificate

Order ID	Length mm	Order ID	Length mm	Order ID	Length mm
163427.0010	0.50	163427.0420	1.30	163427.0830	10.00
163427.0020	1.00	163427.0430	1.31	163427.0840	10.50
163427.0030	1.0005	163427.0440	1.32	163427.0850	11.00
163427.0040	1.001	163427.0450	1.33	163427.0860	11.50
163427.0050	1.002	163427.0460	1.34	163427.0870	12.00
163427.0060	1.003	163427.0470	1.35	163427.0880	12.50
163427.0070	1.004	163427.0480	1.36	163427.0890	13.00
163427.0080	1.005	163427.0490	1.37	163427.0900	13.50
163427.0090	1.006	163427.0500	1.38	163427.0910	14.00
163427.0100	1.007	163427.0510	1.39	163427.0920	14.50
163427.0110	1.008	163427.0520	1.40	163427.0930	15.00
163427.0120	1.009	163427.0530	1.41	163427.0940	15.50
163427.0130	1.01	163427.0540	1.42	163427.0950	16.00
163427.0140	1.02	163427.0550	1.43	163427.0960	16.50
163427.0150	1.03	163427.0560	1.44	163427.0970	17.00
163427.0160	1.04	163427.0570	1.45	163427.0980	17.50
163427.0170	1.05	163427.0580	1.46	163427.0990	18.00
163427.0180	1.06	163427.0590	1.47	163427.1000	18.50
163427.0190	1.07	163427.0600	1.48	163427.1010	19.00
163427.0200	1.08	163427.0610	1.49	163427.1020	19.50
163427.0210	1.09	163427.0620	1.50	163427.1030	20.00
163427.0220	1.10	163427.0630	1.60	163427.1040	20.50
163427.0230	1.11	163427.0640	1.70	163427.1050	21.00
163427.0240	1.12	163427.0650	1.80	163427.1060	21.50
163427.0250	1.13	163427.0660	1.90	163427.1070	22.00
163427.0260	1.14	163427.0670	2.00	163427.1080	22.50
163427.0270	1.15	163427.0680	2.50	163427.1090	23.00
163427.0280	1.16	163427.0690	3.00	163427.1100	23.50
163427.0290	1.17	163427.0700	3.50	163427.1110	24.00
163427.0300	1.18	163427.0710	4.00	163427.1120	24.50
163427.0310	1.19	163427.0720	4.50	163427.1130	25.00
163427.0320	1.20	163427.0730	5.00	163427.1140	30.00
163427.0330	1.21	163427.0740	5.50	163427.1150	40.00
163427.0340	1.22	163427.0750	6.00	163427.1160	50.00
163427.0350	1.23	163427.0760	6.50	163427.1170	60.00
163427.0360	1.24	163427.0770	7.00	163427.1180	70.00
163427.0370	1.25	163427.0780	7.50	163427.1190	75.00
163427.0380	1.26	163427.0790	8.00	163427.1200	80.00
163427.0390	1.27	163427.0800	8.50	163427.1210	90.00
163427.0400	1.28	163427.0810	9.00	163427.1220	100.00
163427.0410	1.29	163427.0820	9.50		

162501 Thread pitch gauge NERIOX

For testing the pitch of internal and external threads using the light-gap method.

Note:
The exact thread measurements can be obtained in FILETOR, 179910.

Order ID	Pitches mm	Threads / inch	Version
162501.0100	0.25...6	-	For metric ISO basic profiles, with 24 blades.
162501.0200	0.25...6	4...62	For metric ISO basic profiles, and Whitworth threads, with 52 blades.
162501.0300	-	4...62	For Whitworth threads, with 28 blades.
162501.0400	-	8...28	For pipe threads Withworth, with 6 blades.
162501.0500	-	4...42	For 60° U.S. threads (UNC, UNF, etc.), with 30 blades.



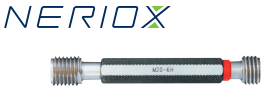
165251 Thread limit plug gauge NERIOX - 6H

Metric
Metric ISO thread DIN 13
Gauge dimensions according to DIN ISO 1502

Made of gauge steel, hardened, stress-relieved and extremely fine-machined.

Appropriate accessories:
558220 Protection and packaging tube QuadroPack QuadroPack
558230 Protection and packaging tube TwistPack

Order ID	Thread	Pitch mm	Order ID	Thread	Pitch mm
165251.0100	M2	0.4	165251.1100	M12	1.75
165251.0200	M2.5	0.45	165251.1200	M14	2
165251.0300	M3	0.5	165251.1300	M16	2
165251.0500	M4	0.7	165251.1400	M18	2.5
165251.0600	M5	0.8	165251.1500	M20	2.5
165251.0700	M6	1	165251.1700	M24	3
165251.0900	M8	1.25	165251.2000	M33	3.5
165251.1000	M10	1.5	165251.2100	M36	4



165261 Thread limit plug gauge set NERIOX - 6H

Metric
Metric ISO thread DIN 13
Gauge dimensions according to DIN ISO 1502

made of gauge steel, hardened, stress-relieved and extremely fine-machined.

Appropriate spare parts:
165251 Thread limit plug gauge NERIOX - 6H

Order ID	Set composition
165261.0100	M3 / M4 / M5 / M6 / M8 / M10 / M12



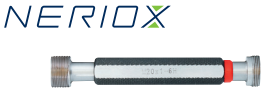
165351 Thread limit plug gauge NERIOX - 6H

Metric fine
Metric ISO fine thread DIN 13
Gauge dimensions according to DIN ISO 1502

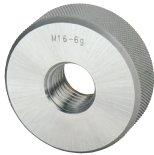
made of gauge steel, hardened and stress-relieved.

Appropriate accessories:
558220 Protection and packaging tube QuadroPack QuadroPack
558230 Protection and packaging tube TwistPack

Order ID	Thread	Pitch mm	Order ID	Thread	Pitch mm
165351.0100	M12	1.5	165351.0900	M26	1.5
165351.0300	M16	1.5	165351.1300	M32	1.5
165351.0500	M20	1.5	165351.1400	M36	1.5
165351.0600	M22	1.5	165351.1600	M42	1.5
165351.0800	M25	1.5			



NERIOX



165726 Go thread ring gauge NERIOX - 6g

Metric
Metric ISO thread DIN 13
Gauge dimensions according to DIN ISO 1502

made of gauge steel, hardened and stress-relieved.

Appropriate accessories:
558240 Protection and packaging box UniBox

Order ID	Thread	Pitch mm
165726.0100	M2	0.4
165726.0200	M2.5	0.45
165726.0300	M3	0.5
165726.0500	M4	0.7
165726.0700	M6	1
165726.0900	M8	1.25
165726.1000	M10	1.5
165726.1100	M12	1.75
165726.1300	M16	2
165726.1400	M18	2.5
165726.1500	M20	2.5
165726.1600	M22	2.5
165726.1700	M24	3
165726.1800	M27	3
165726.2000	M36	4

NERIOX



165728 NoGo thread ring gauge NERIOX - 6g

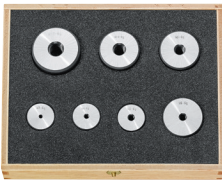
Metric
Metric ISO thread DIN 13
Gauge dimensions according to DIN ISO 1502

made of gauge steel, hardened and stress-relieved.

Appropriate accessories:
558240 Protection and packaging box UniBox

Order ID	Thread	Pitch mm
165728.0100	M2	0.4
165728.0400	M3.5	0.6
165728.0700	M6	1
165728.0900	M8	1.25
165728.1000	M10	1.5
165728.1100	M12	1.75
165728.1200	M14	2
165728.1400	M18	2.5
165728.1600	M22	2.5
165728.1700	M24	3

NERIOX



165746 Go thread ring gauge set NERIOX - 6g

Metric
Metric ISO thread DIN 13
Gauge dimensions according to DIN ISO 1502

made of gauge steel, hardened and stress-relieved.

Appropriate spare parts:
165726 Go thread ring gauge NERIOX - 6g

Order ID	Set composition
165746.0100	M3 / M4 / M5 / M6 / M8 / M10 / M12

165826 Go thread ring gauge NERIOX - 6g



Metric fine

Metric ISO fine thread DIN 13

Gauge dimensions according to DIN ISO 1502

made of gauge steel, hardened and stress-relieved.



Appropriate accessories:

558240 Protection and packaging box UniBox

Order ID	Thread	Pitch mm
165826.0100	M12	1.5
165826.0300	M16	1.5
165826.0500	M20	1.5
165826.0600	M22	1.5
165826.0700	M24	1.5
165826.0900	M27	1.5
165826.1000	M28	1.5
165826.1100	M30	1.5
165826.1200	M32	1.5
165826.1400	M36	1.5

165828 NoGo thread ring gauge NERIOX - 6g



Metric fine

Metric ISO fine thread DIN 13

Gauge dimensions according to DIN ISO 1502

made of gauge steel, hardened and stress-relieved.



Appropriate accessories:

558240 Protection and packaging box UniBox

Order ID	Thread	Pitch mm
165828.0300	M16	1.5
165828.0400	M18	1.5
165828.0500	M20	1.5
165828.0700	M24	1.5
165828.0800	M25	1.5
165828.0900	M27	1.5
165828.1000	M28	1.5
165828.1100	M30	1.5
165828.1200	M32	1.5
165828.1300	M35	1.5
165828.1400	M36	1.5
165828.1500	M40	1.5



174605 Aluminium spirit level NERIOX

Powder-coated aluminium housing with shatter-proof horizontal and vertical bubble. Horizontal bubble with 4 lines for quickly measuring a 2% slope. Shock-absorbing end caps.

- Features:
- Accuracy 0.5 mm/m
 - Accuracy 0.5 mm/m (reverse measurement)

Order ID	Length mm	Accuracy mm/m	Version
174605.0100	300	0.5	1 horizontal bubble, 1 vertical bubble
174605.0200	400	0.5	1 horizontal bubble, 1 vertical bubble
174605.0300	600	0.5	1 horizontal bubble, 1 vertical bubble
174605.0400	1000	0.5	1 horizontal bubble, 1 vertical bubble
174605.0500	2000	0.5	1 horizontal bubble, 1 vertical bubble



174606 Aluminium spirit level NERIOX

Powder-coated aluminium housing with shatter-proof horizontal and vertical bubble. Horizontal bubble with 4 lines for quickly measuring a 2% slope. Additional **Plumb Site® dual-view™ technology** for reading from above and from the side. This makes measuring in various positions and angles easier. Shock-absorbing end caps. Ground measuring surfaces.

- Features:
- Accuracy 0.5 mm/m
 - Accuracy 0.5 mm/m (reverse measurement)

Plumb Site® Dual-View™

Order ID	Length mm	Accuracy mm/m	Version
174606.0100	300	0.5	1 horizontal bubble, 1 vertical bubble, dual-view vertical bubble, machined measuring surface
174606.0200	400	0.5	1 horizontal bubble, 1 vertical bubble, dual-view vertical bubble, machined measuring surface
174606.0300	600	0.5	1 horizontal bubble, 1 vertical bubble, dual-view vertical bubble, machined measuring surface
174606.0400	1000	0.5	1 horizontal bubble, 1 vertical bubble, dual-view vertical bubble, machined measuring surface



174607 Aluminium spirit level NERIOX

With magnet

Powder-coated aluminium housing with shatter-proof horizontal and vertical bubble. Horizontal bubble with 4 lines for quickly measuring a 2% slope. Additional Plumb Site® dual-view™ technology for reading from above and from the side. This makes measuring in various positions and angles easier. Shock-absorbing end caps. Ground measuring surfaces with strong holding magnets.

- Features:
- Accuracy 0.5 mm/m
 - Accuracy 0.5 mm/m (reverse measurement)

Order ID	Length mm	Accuracy mm/m	Version
174607.0100	300	0.5	1 horizontal bubble, 1 vertical bubble, dual-view vertical bubble, machined measuring surface, magnet
174607.0200	400	0.5	1 horizontal bubble, 1 vertical bubble, dual-view vertical bubble, machined measuring surface, magnet
174607.0300	600	0.5	1 horizontal bubble, 1 vertical bubble, dual-view vertical bubble, machined measuring surface, magnet



174608 Mini spirit level NERIOX

Powder-coated aluminium housing with shatter-proof horizontal bubble. Shock-absorbing end caps. Ideal for tool bags and tool belts, for precise measurements on the move.

- Features:
- Accuracy 0.5 mm/m
 - Accuracy 0.5 mm/m (reverse measurement)

Order ID	Length mm	Accuracy mm/m	Version
174608.0100	100	0.5	1 horizontal bubble

174609 Aluminium spirit level NERIOX

Powder-coated cast aluminium housing with shatter-proof, epoxy-resin-sealed horizontal and vertical bubbles. For toughest working conditions, with ground measuring surfaces.

Features:

- Accuracy 0.5 mm/m
- Accuracy 0.5 mm/m (reverse measurement)

Order ID	Length mm	Accuracy mm/m	Version
174609.0100	250	0.5	1 horizontal bubble, 1 vertical bubble, dual-view vertical bubble, machined measuring surface



174610 Aluminium spirit level NERIOX

With magnet

Powder-coated cast aluminium housing with shatter-proof, epoxy-resin-sealed horizontal, vertical and 45° bubbles. Additional Plumb Site® dual-view™ technology for reading from above and from the side. This makes measuring in various positions and angles easier. Ground measuring surfaces with strong holding magnets.

Features:

- Accuracy 0.5 mm/m
- Accuracy 0.5 mm/m (reverse measurement)

Order ID	Length mm	Accuracy mm/m	Version
174610.0100	250	0.5	1 horizontal bubble, 1 vertical bubble, 1 45° bubble, machined measuring surface, magnet



174506 Plexiglass spirit level NERIOX

Small, shatter-proof acrylic level, cut from a crystal-clear block. Precise, CNC-milled horizontal and vertical spirit levels.

Features:

- Electrically non-conductive, shatter-proof acrylic glass
- Resistant against water, heat, and cold
- Compact, lightweight, handy
- Transparent
- Accuracy 1.0 mm/m

Order ID	Dimensions mm	Designation
174506.0300	100 x 50 x 15	With NERIOX labeling



175141 Box level NERIOX

Sensitivity 30'

Can be mounted on machines and apparatus as an alignment aid.

Designs:

175141.0100...175141.0600: suitable for gluing on
175141.1100...175141.1600: with flange to screw on

Order ID	Type	Ø mm	Level Ø mm	Height mm	Sensitivity arcmin
175141.0100	28	—	13	9	30
175141.0200	28	—	16	10	30
175141.0300	28	—	18	11	30
175141.0400	28	—	20	12	30
175141.0500	28	—	25	14	30
175141.0600	28	—	30	15	30
175141.1100	18	20	14	10	30
175141.1200	18	25	17	10	30
175141.1300	18	30	20	11	30
175141.1400	18	35	23	13	30
175141.1500	18	40	28	14	30
175141.1600	18	50	34	15	30





175156 Bubble level NERIOX

Acrylic glass circular level for assembling or sticking on machines, etc.

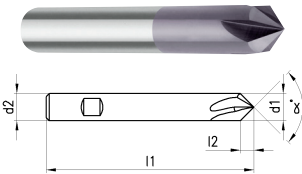
Order ID	Ø mm	Height mm
175156.0100	12	7
175156.0200	14	8
175156.0300	15	8
175156.0400	18	9
175156.0500	20	9

NERIOX

Production Technology

Solid Carbide Milling	032–037
HSS Milling	038–042
Carbide Burrs	043–052
Solid Carbide Drilling	053–057
HSS Drilling	058–067
Countersinking	068–070
Taps / Threading Dies	071–084
Rubbing	085
Tool Holders	086–098
Collet Chucks	099–100
Lathe Centre	101
Reducing Sleeves / Insert Cones	102
Clamping Tools	103–104

NERIOX



224191 NERIOX Solid carbide deburrer 90°

VHM

TiAlN

4-12

4

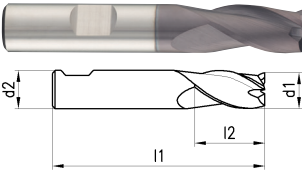
Made of solid hard metal, TiAlN coating, with Weldon shank or cylindrical shank, According to factory standard, Nominal size Ø 4 - 12 mm, Number of teeth 4, Medium-length version, without center cut, Milling cutter with 0° helix angle
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For form milling, For inclined plunging

Application

For deburring and chamfering workpiece edges, also for contour work.

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Angle	Shank
224191.0100	4	2	4	54	90 °	HA
224191.0200	6	3	6	57	90 °	HB
224191.0300	8	4	8	63	90 °	HB
224191.0400	10	5	10	72	90 °	HB
224191.0500	12	6	12	83	90 °	HB

NERIOX



227811 NERIOX SC shoulder/ slot milling cutters

VHM

TiAlN

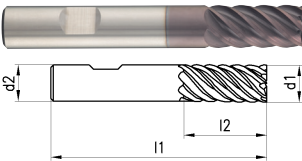
3-16

3

Made of solid hard metal, TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 3 - 16 mm, Number of teeth 3, With sharp corner design, Short version, with center cut, Milling cutter with 30° helix angle
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm
227811.0100	3	6	6	50
227811.0200	4	8	6	50
227811.0300	5	8	6	50
227811.0400	6	16	6	50
227811.0500	8	20	8	60
227811.0600	10	22	10	70
227811.0700	12	22	12	70
227811.0800	16	25	16	75

NERIOX



227821 NERIOX SC shoulder milling cutter

VHM

TiAlN

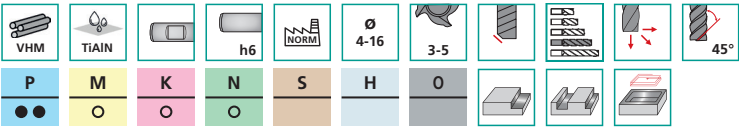
6-16

6

Made of solid hard metal, TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 6 - 16 mm, Number of teeth 6, With sharp corner design, Long version, with center cut, Milling cutter with 45° helix angle
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), For trimming / hobbing, For shoulder milling

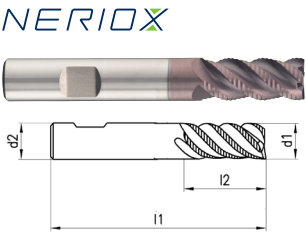
Order ID	d1 mm	l2 mm	d2 mm	l1 mm
227821.0100	6	13	6	57
227821.0200	8	19	8	63
227821.0300	10	22	10	72
227821.0400	12	26	12	83
227821.0500	16	32	16	92

227831 NERIOX SC shoulder/ slot milling cutters

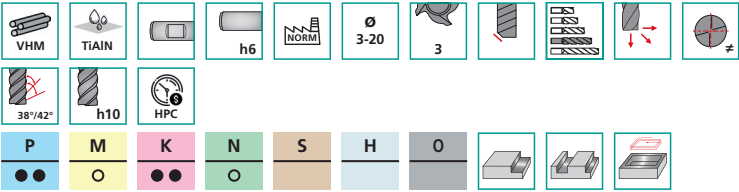


Made of solid hard metal, TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 4 - 16 mm, Number of teeth 3 - 5, With protective chamfer, Long version, with center cut, Milling cutter with 45° helix angle
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	teeth
227831.0030	4	11	6	57	3
227831.0060	5	13	6	57	4
227831.0100	6	16	6	57	4
227831.0200	8	16	8	69	4
227831.0300	10	22	10	72	4
227831.0400	12	26	12	83	4
227831.0500	16	32	16	92	5

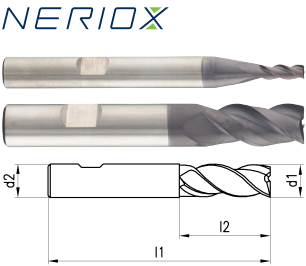


227861 NERIOX SC shoulder/ slot milling cutters

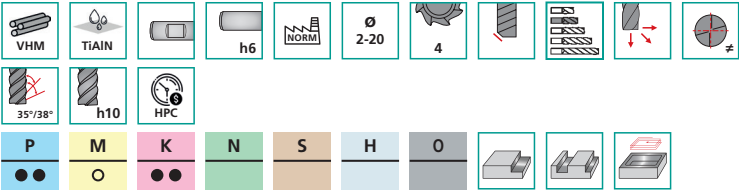


Made of solid hard metal, TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 3 - 20 mm, Number of teeth 3, With protective chamfer, Long version, with center cut, with uneven pitch, End mill with unequal helix angle 38/42°, End mill cutting edge tolerance h10 (according to ISO 286 fit system), HPC (High-Performance Cutting) milling technology
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Protective chamfer mm
227861.0100	3	8	6	57	0.1
227861.0200	4	11	6	57	0.1
227861.0300	5	13	6	57	0.15
227861.0400	6	13	6	57	0.2
227861.0500	8	19	8	63	0.2
227861.0600	10	22	10	72	0.2
227861.0700	12	26	12	83	0.3
227861.0800	16	32	16	92	0.3
227861.0900	20	38	20	104	0.4

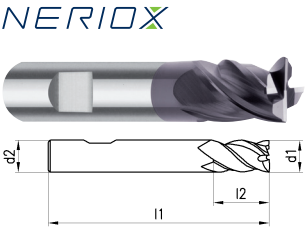


227866 NERIOX SC shoulder/ slot milling cutters

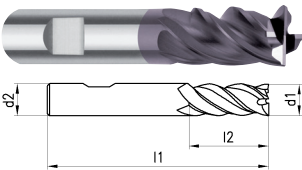


Made of solid hard metal, TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 2 - 20 mm, Number of teeth 4, With protective chamfer, Short version, with center cut, with uneven pitch, End mill with unequal helix angle 35/38°, End mill cutting edge tolerance h10 (according to ISO 286 fit system), HPC (High-Performance Cutting) milling technology
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Protective chamfer mm
227866.0010	2	4	6	50	0.06
227866.0020	2.5	4	6	50	0.06
227866.0030	3	6	6	54	0.1
227866.0035	3.5	6	6	54	0.1
227866.0040	4	8	6	54	0.13
227866.0045	4.5	8	6	54	0.13
227866.0050	5	9	6	54	0.18
227866.0100	6	10	6	54	0.2
227866.0200	8	12	8	58	0.2
227866.0300	10	14	10	66	0.2
227866.0400	12	16	12	73	0.3
227866.0500	16	22	16	82	0.3
227866.0600	20	26	20	92	0.4



NERIOX



227871 NERIOX SC shoulder/ slot milling cutters

VHM

TiAlN

h6

Ø 2-20

4

h10

HPC

P

M

K

N

S

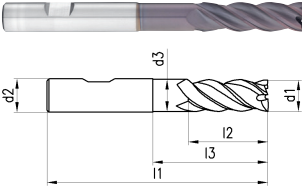
H

O

Made of solid hard metal, TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 2 - 20 mm, Number of teeth 4, With protective chamfer, Long version, with center cut, with uneven pitch, End mill with unequal helix angle 35/38°, End mill cutting edge tolerance h10 (according to ISO 286 fit system), HPC (High-Performance Cutting) milling technology
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Protective chamfer mm
227871.0010	2	7	6	54	0.06
227871.0020	2.5	8	6	54	0.06
227871.0030	3	8	6	57	0.1
227871.0040	3.5	10	6	57	0.1
227871.0050	4	11	6	57	0.13
227871.0060	4.5	11	6	57	0.13
227871.0070	5	13	6	57	0.16
227871.0100	6	13	6	57	0.2
227871.0200	8	19	8	63	0.2
227871.0300	10	22	10	72	0.2
227871.0400	12	26	12	83	0.3
227871.0500	16	32	16	92	0.3
227871.0600	20	38	20	104	0.4

NERIOX



227881 NERIOX SC shoulder/ slot milling cutters

VHM

TiAlN

h6

Ø 6-20

4

h10

HPC

P

M

K

N

S

H

O

Made of solid hard metal, TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 6 - 20 mm, Number of teeth 4, With protective chamfer, Extra long version, with center cut, with uneven pitch, End mill with unequal helix angle 35/38°, End mill cutting edge tolerance h10 (according to ISO 286 fit system), HPC (High-Performance Cutting) milling technology
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	l3 mm	d2 mm	l1 mm	d3 mm	Protective chamfer mm
227881.0100	6	22	30	6	63	5.5	0.2
227881.0200	8	28	36	8	80	7.5	0.2
227881.0300	10	33	54	10	100	9.5	0.2
227881.0400	12	42	54	12	100	11.5	0.3
227881.0500	16	53	69	16	150	15.5	0.3
227881.0600	20	68	84	20	150	19.5	0.4

227886 NERIOX SC shoulder/ slot milling cutters

INOX



VHM



AlTiN



h6



NORM



Ø 3-20



4













35°/38°



h10



HPC

P

M

K

N

S

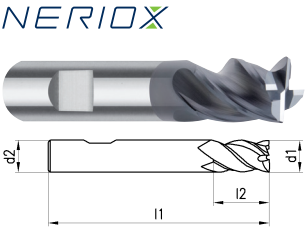
H

O









Made of solid hard metal, AlTiN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 3 - 20 mm, Number of teeth 4, With protective chamfer, Short version, with center cut, with uneven pitch, End mill with unequal helix angle 35/38°, End mill cutting edge tolerance h10 (according to ISO 286 fit system), HPC (High-Performance Cutting) milling technology
Main application: Stainless steel (ISO M), Secondary application: Superalloys (ISO S), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Protective chamfer mm
227886.0030	3	6	54	6	0.1
227886.0040	4	8	54	6	0.13
227886.0050	5	9	54	6	0.18
227886.0100	6	10	54	6	0.2
227886.0200	8	12	58	8	0.2
227886.0300	10	14	66	10	0.2
227886.0400	12	16	73	12	0.3
227886.0500	16	22	82	16	0.3
227886.0600	20	26	92	20	0.4

227891 NERIOX SC shoulder/ slot milling cutters

INOX



VHM



AlTiN



h6



NORM



Ø 6-20



4













35°/38°



h10



HPC

P

M

K

N

S

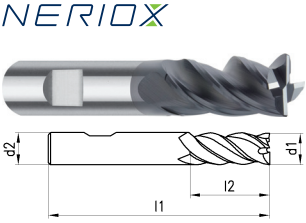
H

O



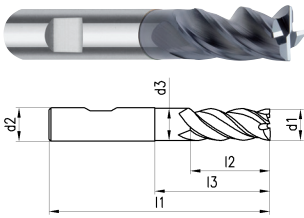






Made of solid hard metal, AlTiN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 6 - 20 mm, Number of teeth 4, With protective chamfer, Long version, with center cut, with uneven pitch, End mill with unequal helix angle 35/38°, End mill cutting edge tolerance h10 (according to ISO 286 fit system), HPC (High-Performance Cutting) milling technology
Main application: Stainless steel (ISO M), Secondary application: Superalloys (ISO S), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Protective chamfer mm
227891.0100	6	13	57	6	0.2
227891.0200	8	19	63	8	0.2
227891.0300	10	22	72	10	0.2
227891.0400	12	26	83	12	0.3
227891.0500	16	32	92	16	0.3
227891.0600	20	38	104	20	0.4



227896 NERIOX SC shoulder/ slot milling cutters

INOX

VHM

AlTiN

$\varnothing$ 3-20

4

h10

HPC

P

M

K

N

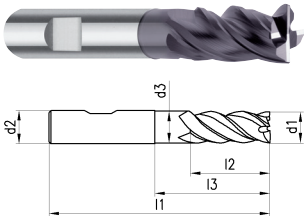
S

H

O

Made of solid hard metal, AlTiN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size $\varnothing$ 3 - 20 mm, Number of teeth 4, With protective chamfer, Long version, with center cut, with uneven pitch, End mill with unequal helix angle 35/38°, End mill cutting edge tolerance h10 (according to ISO 286 fit system), HPC (High-Performance Cutting) milling technology
Main application: Stainless steel (ISO M), Secondary application: Superalloys (ISO S), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	l3 mm	d2 mm	l1 mm	d3 mm	Protective chamfer mm
227896.0030	3	8	18	6	57	2.75	0.1
227896.0040	4	11	21	6	57	3.5	0.13
227896.0050	5	13	21	6	57	4.5	0.2
227896.0100	6	13	21	6	57	5.8	0.2
227896.0200	8	19	27	8	63	7.6	0.2
227896.0300	10	22	32	10	72	9.5	0.2
227896.0400	12	26	38	12	83	11.5	0.3
227896.0500	16	32	44	16	92	15.5	0.3
227896.0600	20	38	54	20	104	19.5	0.4



227876 NERIOX SC shoulder/ slot milling cutters

TiAlN

VHM

TiAlN

$\varnothing$ 3-20

4

h10

HPC

P

M

K

N

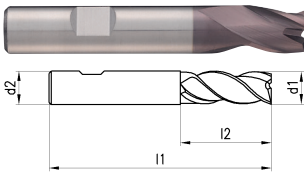
S

H

O

Made of solid hard metal, TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size $\varnothing$ 3 - 20 mm, Number of teeth 4, With protective chamfer, Long version, with center cut, with uneven pitch, End mill with unequal helix angle 35/38°, End mill cutting edge tolerance h10 (according to ISO 286 fit system), HPC (High-Performance Cutting) milling technology
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	l3 mm	d2 mm	l1 mm	d3 mm	Protective chamfer mm
227876.0030	3	8	18	6	57	2.8	0.13
227876.0040	4	11	21	6	57	3.6	0.13
227876.0050	5	13	21	6	57	4.6	0.2
227876.0100	6	13	21	6	57	5.8	0.2
227876.0200	8	19	27	8	63	7.6	0.2
227876.0300	10	22	32	10	72	9.5	0.2
227876.0400	12	26	38	12	83	11.5	0.3
227876.0500	16	32	44	16	92	15.5	0.3
227876.0600	20	38	54	20	104	19.5	0.4



227910 NERIOX SC shoulder/ slot milling cutters

VHM

DIN 6535

$\varnothing$ 2-16

3

30°

P

M

K

N

S

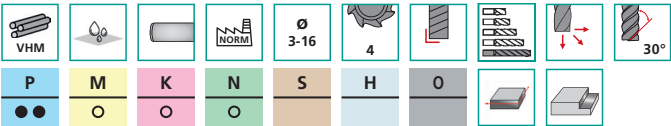
H

O

Made of solid hard metal, Coated, with Weldon shank, According to DIN 6535, Nominal size $\varnothing$ 2 - 16 mm, Number of teeth 3, With sharp corner design, Short version, with center cut, Milling cutter with 30° helix angle
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	l1 mm	d2 mm
227910.0100	2.0	3	50	6
227910.0200	3.0	4	50	6
227910.0300	4.0	5	54	6
227910.0400	5.0	6	54	6
227910.0500	6.0	7	54	6
227910.0600	8.0	9	58	8
227910.0700	10.0	11	66	10
227910.0800	12.0	12	73	12
227910.0900	16.0	16	82	16

227915 NERIOX SC shoulder milling cutter

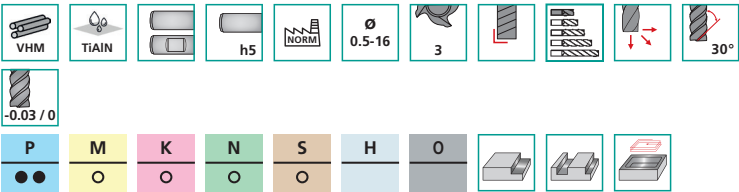


Made of solid hard metal, Coated, with cylindrical shank, According to factory standard, Nominal size Ø 3 - 16 mm, Number of teeth 4, With sharp corner design, Extra long version, with center cut, Milling cutter with 30° helix angle
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For trimming / hobbing, For shoulder milling

Order ID	d1 mm	l2 mm	l1 mm	d2 mm
227915.0100	3.0	20	60	3
227915.0200	4.0	20	60	4
227915.0300	5.0	25	75	5
227915.0400	6.0	30	75	6
227915.0500	8.0	30	75	8
227915.0600	10.0	40	100	10
227915.0700	12.0	45	100	12
227915.0800	16.0	45	100	16

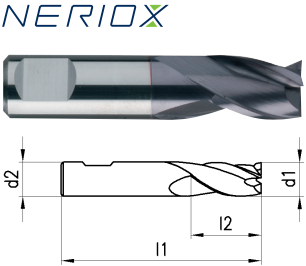


227241 NERIOX SC shoulder/ slot milling cutters

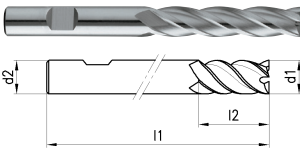


Made of solid hard metal, TiAlN coating, with Weldon shank or cylindrical shank, Shaft tolerance h5, According to factory standard, Nominal size Ø 0.5 - 16 mm, Number of teeth 3, With sharp corner design, Extra short version, with center cut, Milling cutter with 30° helix angle, Milling cutter cutting tolerance -0.03 / 0
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For shoulder milling, For slot milling, For pocket milling

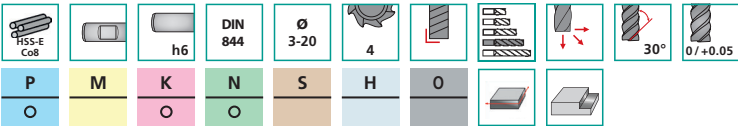
Order ID	d1 mm	l2 mm	d2 mm	l1 mm
227241.0100	0.5	1.5	3	38
227241.0200	0.6	1.5	3	38
227241.0300	0.8	2	3	38
227241.0400	1	2	3	38
227241.0500	1.2	2	3	38
227241.0600	1.5	2	3	38
227241.0700	1.8	2	3	38
227241.0800	2	4	6	35
227241.0900	2.5	5	6	36
227241.1000	3	5	6	36
227241.1100	3.5	6	6	37
227241.1200	4	7	6	38
227241.1300	4.5	8	6	38
227241.1400	5	8	6	39
227241.1500	5.5	8	6	39
227241.1600	5.75	8	6	39
227241.1700	6	8	6	39
227241.1800	6.75	10	8	42
227241.1900	7	10	8	42
227241.2000	7.75	10	8	42
227241.2100	8	11	8	43
227241.2200	8.7	11	10	48
227241.2300	9	11	10	48
227241.2400	9.7	11	10	48
227241.2500	10	13	10	50
227241.2600	12	15	12	55
227241.2800	16	18	16	62



NERIOX



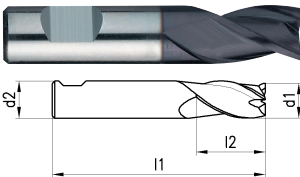
216061 NERIOX HSS shoulder milling cutters



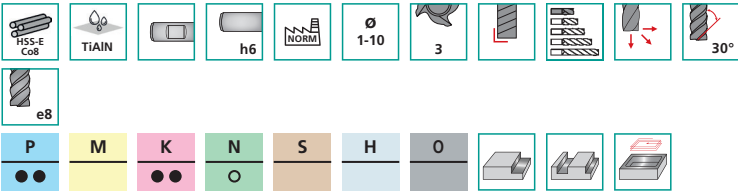
Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with Weldon shank, Shaft tolerance h6, According to DIN 844, Nominal size Ø 3 - 20 mm, Number of teeth 4, With sharp corner design, Long version, with center cut, Milling cutter with 30° helix angle, End mill cutting tolerance 0 / +0.05
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For trimming / hobbing, For shoulder milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Order ID	d1 mm	l2 mm	d2 mm	l1 mm
216061.0100	3	12	6	56	216061.0700	10	45	10	95
216061.0200	4	19	6	63	216061.0800	12	53	12	110
216061.0300	5	24	6	68	216061.1000	16	63	16	123
216061.0400	6	24	6	68	216061.1200	20	75	20	141
216061.0600	8	38	10	88					

NERIOX



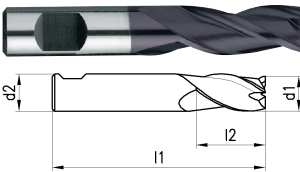
216141 NERIOX HSS shoulder/ slot milling cutters



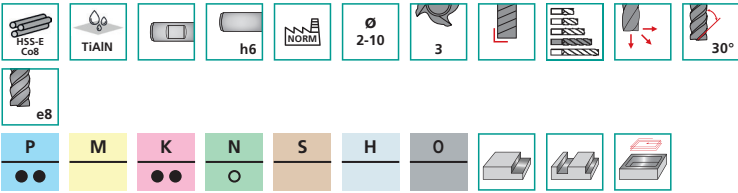
Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 1 - 10 mm, Number of teeth 3, With sharp corner design, Extra short version, with center cut, Milling cutter with 30° helix angle, End mill cutting tolerance e8 (according to ISO 286 fit system)
Main application: Steel (ISO-P), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Order ID	d1 mm	l2 mm	d2 mm	l1 mm
216141.0100	1	2	6	34	216141.1200	4.8	8	6	39
216141.0200	1.5	3	6	34	216141.1300	5	8	6	39
216141.0400	2	4	6	35	216141.1400	5.5	8	6	39
216141.0500	2.5	5	6	36	216141.1500	5.75	8	6	39
216141.0600	2.8	5	6	36	216141.1600	6	8	6	39
216141.0700	3	5	6	36	216141.1700	6.5	10	8	42
216141.0800	3.5	6	6	37	216141.1800	7	10	8	42
216141.0900	3.8	7	6	38	216141.1900	8	11	8	43
216141.1000	4	7	6	38	216141.2100	10	13	10	50
216141.1100	4.5	7	6	38					

NERIOX



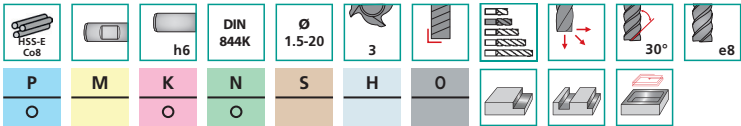
216181 NERIOX HSS shoulder/ slot milling cutters



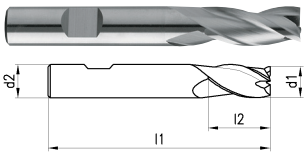
Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), TiAlN coating, with Weldon shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 2 - 10 mm, Number of teeth 3, With sharp corner design, Long version, with center cut, Milling cutter with 30° helix angle, End mill cutting tolerance e8 (according to ISO 286 fit system)
Main application: Steel (ISO-P), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Order ID	d1 mm	l2 mm	d2 mm	l1 mm
216181.0100	2	7	6	38	216181.0900	6	13	6	44
216181.0300	3	8	6	39	216181.1100	8	19	8	51
216181.0500	4	11	6	42	216181.1300	10	22	10	59
216181.0700	5	13	6	44					

216221 NERIOX HSS shoulder/ slot milling cutters



NERIOX

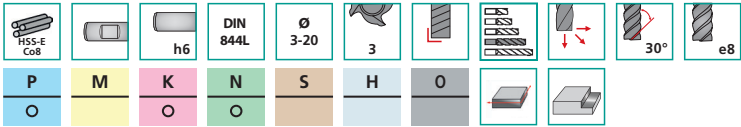


Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with Weldon shank, Shaft tolerance h6, According to DIN 844K, Nominal size Ø 1.5 - 20 mm, Number of teeth 3, With sharp corner design, Short version, with center cut, Milling cutter with 30° helix angle, End mill cutting tolerance e8 (according to ISO 286 fit system)

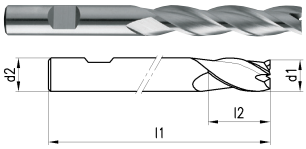
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Order ID	d1 mm	l2 mm	d2 mm	l1 mm
216221.0100	1.5	7	6	51	216221.1200	7	16	10	66
216221.0200	2	7	6	51	216221.1300	7.5	16	10	66
216221.0300	2.5	8	6	52	216221.1400	8	19	10	69
216221.0400	3	8	6	52	216221.1500	8.5	19	10	69
216221.0500	3.5	10	6	54	216221.1600	9	19	10	69
216221.0600	4	11	6	55	216221.1700	10	22	10	72
216221.0700	4.5	11	6	55	216221.1800	12	26	12	83
216221.0800	5	13	6	57	216221.1900	14	26	12	83
216221.0900	5.5	13	6	57	216221.2000	16	32	16	92
216221.1000	6	13	6	57	216221.2100	18	32	16	92
216221.1100	6.5	16	10	66	216221.2200	20	38	20	104

216241 NERIOX HSS shoulder milling cutters



NERIOX

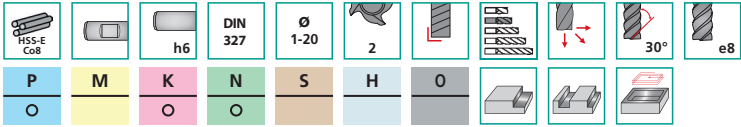


Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with Weldon shank, Shaft tolerance h6, According to DIN 844L, Nominal size Ø 3 - 20 mm, Number of teeth 3, With sharp corner design, Long version, with center cut, Milling cutter with 30° helix angle, End mill cutting tolerance e8 (according to ISO 286 fit system)

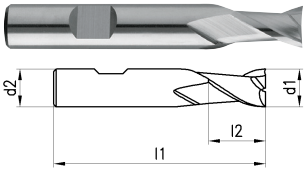
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For trimming / hobbing, For shoulder milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Order ID	d1 mm	l2 mm	d2 mm	l1 mm
216241.0100	3	12	6	56	216241.0700	10	45	10	95
216241.0200	4	19	6	63	216241.0800	12	53	12	110
216241.0300	5	24	6	68	216241.1000	16	63	16	123
216241.0400	6	24	6	68	216241.1200	20	75	20	141
216241.0600	8	38	10	88					

216261 NERIOX HSS shoulder/ slot milling cutters



NERIOX

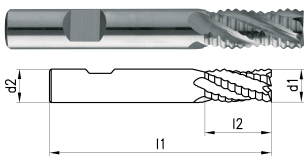


Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with Weldon shank, Shaft tolerance h6, According to DIN 327, Nominal size Ø 1 - 20 mm, Number of teeth 2, With sharp corner design, Short version, with center cut, Milling cutter with 30° helix angle, End mill cutting tolerance e8 (according to ISO 286 fit system)

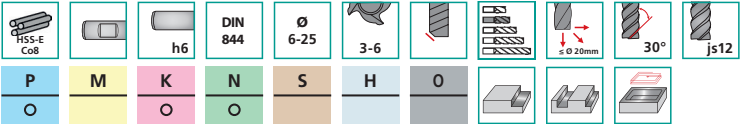
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Order ID	d1 mm	l2 mm	d2 mm	l1 mm
216261.0100	1	2.5	6	47	216261.1500	7	10	10	60
216261.0200	1.5	3	6	47	216261.1600	7.5	10	10	60
216261.0300	2	4	6	48	216261.1800	8	11	10	61
216261.0400	2.5	5	6	49	216261.2000	9	11	10	61
216261.0500	3	5	6	49	216261.2200	10	13	10	63
216261.0600	3.5	6	6	50	216261.2300	11	13	12	70
216261.0700	4	7	6	51	216261.2400	12	16	12	73
216261.0800	4.5	7	6	51	216261.2500	14	16	12	73
216261.0900	4.8	8	6	52	216261.2600	15	16	12	73
216261.1000	5	8	6	52	216261.2700	16	19	16	79
216261.1100	5.5	8	6	52	216261.2800	18	19	16	79
216261.1300	6	8	6	52	216261.2900	20	22	20	88
216261.1400	6.5	10	10	60					

NERIOX



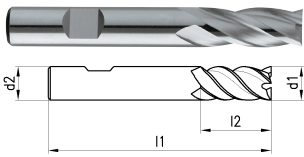
216401 NERIOX HSS shoulder/ slot milling cutters



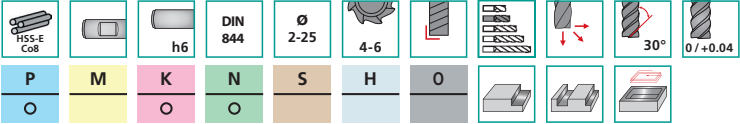
Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with Weldon shank, Shaft tolerance h6, According to DIN 844, Nominal size Ø 6 - 25 mm, Number of teeth 3 - 6, With protective chamfer, Short version, up to Ø20 mm with center cut, Milling cutter with 30° helix angle, End mill cutting edge tolerance js12 (according to ISO 286 fit system)
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Protective chamfer mm	teeth
216401.0100	6	13	6	57	0.25	3
216401.0300	8	19	10	69	0.25	3
216401.0500	10	22	10	72	0.35	4
216401.0600	12	26	12	83	0.5	4
216401.0800	16	32	16	92	0.6	4
216401.1000	20	38	20	104	0.6	4
216401.1300	25	45	25	121	0.6	5

NERIOX



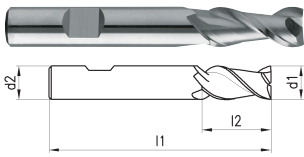
216001 NERIOX HSS shoulder/ slot milling cutters



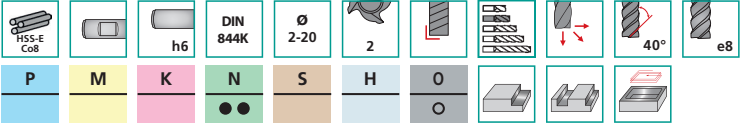
Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with Weldon shank, Shaft tolerance h6, According to DIN 844, Nominal size Ø 2 - 25 mm, Number of teeth 4 - 6, With sharp corner design, Short version, with center cut, Milling cutter with 30° helix angle, End mill cutting tolerance 0 / +0.04
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	teeth
216001.0100	2	7	6	51	4
216001.0200	3	8	6	52	4
216001.0300	4	11	6	55	4
216001.0400	5	13	6	57	4
216001.0500	6	13	6	57	4
216001.0600	7	16	10	66	4
216001.0700	8	19	10	69	4
216001.0800	9	19	10	69	4
216001.0900	10	22	10	72	4
216001.1000	11	22	12	79	4
216001.1100	12	26	12	83	4
216001.1200	14	26	12	83	4
216001.1300	16	32	16	92	4
216001.1400	18	32	16	92	4
216001.1500	20	38	20	104	4
216001.1700	25	45	25	121	6

NERIOX



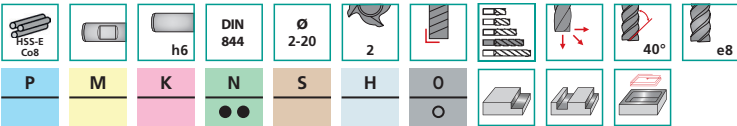
216311 NERIOX HSS shoulder/ slot milling cutters



Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with Weldon shank, Shaft tolerance h6, According to DIN 844K, Nominal size Ø 2 - 20 mm, Number of teeth 2, With sharp corner design, Short version, with center cut, Milling cutter with 40° helix angle, End mill cutting tolerance e8 (according to ISO 286 fit system)
Main application: Non-ferrous metals (ISO N), Secondary application: Plastics and other materials (ISO O), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Order ID	d1 mm	l2 mm	l1 mm	d2 mm
216311.0100	2	7	51	6	216311.1100	7	16	66	10
216311.0200	2,5	8	52	6	216311.1200	8	19	69	10
216311.0300	3	8	52	6	216311.1300	8,5	19	69	10
216311.0400	3,5	10	54	6	216311.1400	9	19	69	10
216311.0500	4	11	55	6	216311.1500	10	22	72	10
216311.0600	4,5	11	55	6	216311.1600	12	26	83	12
216311.0700	5	13	57	6	216311.1700	14	26	83	12
216311.0800	5,5	13	57	6	216311.1800	16	32	92	16
216311.0900	6	13	57	6	216311.1900	18	32	92	16
216311.1000	6,5	16	66	10	216311.2000	20	38	104	20

216321 NERIOX HSS shoulder/ slot milling cutters

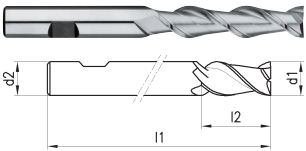


Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with Weldon shank, Shaft tolerance h6, According to DIN 844, Nominal size Ø 2 - 20 mm, Number of teeth 2, With sharp corner design, Long version, with center cut, Milling cutter with 40° helix angle, End mill cutting tolerance e8 (according to ISO 286 fit system)

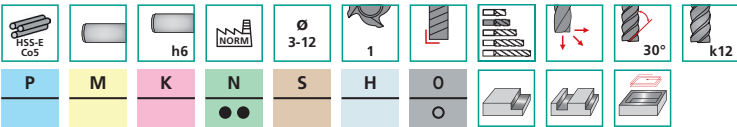
Main application: Non-ferrous metals (ISO N), Secondary application: Plastics and other materials (ISO O), For shoulder milling, For slot milling, For pocket milling

Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Order ID	d1 mm	l2 mm	l1 mm	d2 mm
216321.0100	2	10	54	6	216321.0700	8	38	88	10
216321.0200	3	12	56	6	216321.0800	10	45	95	10
216321.0300	4	19	63	6	216321.0900	12	53	110	12
216321.0400	5	24	68	6	216321.1000	14	53	110	12
216321.0500	6	24	68	6	216321.1100	16	63	123	16
216321.0600	7	30	80	10	216321.1200	20	75	141	20

NERIOX



216341 NERIOX HSS shoulder/ slot milling cutters

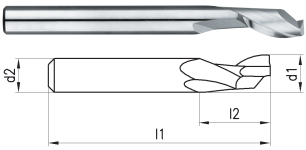


Made of HSS-E Co5 (High Speed Steel, contains approximately 5% cobalt), with cylindrical shank, Shaft tolerance h6, According to factory standard, Nominal size Ø 3 - 12 mm, Number of teeth 1, With sharp corner design, Short version, with center cut, Milling cutter with 30° helix angle, End mill cutting edge tolerance k12 (according ISO 286 fit system)

Main application: Non-ferrous metals (ISO N), Secondary application: Plastics and other materials (ISO O), For shoulder milling, For slot milling, For pocket milling

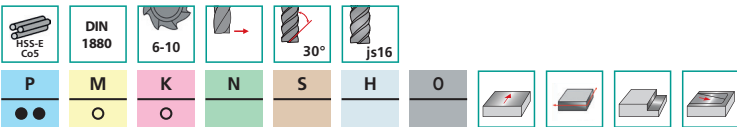
Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Order ID	d1 mm	l2 mm	l1 mm	d2 mm
216341.0100	3	12	60	8	216341.0600	8	14	80	8
216341.0200	4	12	60	8	216341.0700	9	14	80	8
216341.0300	5	14	60	8	216341.0800	10	14	80	8
216341.0400	6	14	60	8	216341.0900	12	14	80	8
216341.0500	7	14	60	8					

NERIOX



216601 NERIOX HSS shoulder milling cutters

Shell end mill



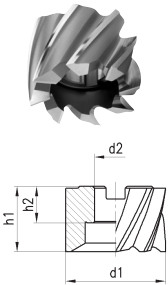
Made of HSS-E Co5 (High Speed Steel, contains approximately 5% cobalt), According to DIN 1880, Number of teeth 6 - 10, without center cut, Milling cutter with 30° helix angle, End mill cutting edge tolerance js16 (according ISO 286 fit system)

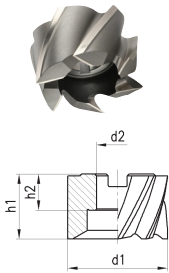
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), For face milling / end milling, For trimming / hobbing, For shoulder milling, For inclined plunging

Type N, uncoated

Order ID	d1 mm	h1 mm	d2 mm	h2 mm	teeth
216601.0100	40	32	16	19	6
216601.0200	50	36	22	21	8
216601.0300	63	40	27	23	8
216601.0400	80	45	27	23	10
216601.0500	100	50	32	26	10

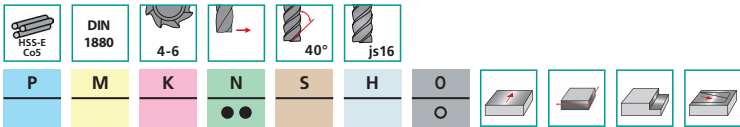
NERIOX





216621 NERIOX HSS shoulder milling cutters

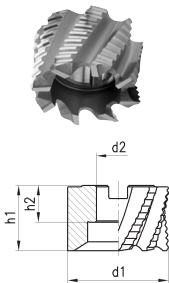
Shell end mill



Made of HSS-E Co5 (High Speed Steel, contains approximately 5% cobalt), According to DIN 1880, Number of teeth 4 - 6, without center cut, Milling cutter with 40° helix angle, End mill cutting edge tolerance js16 (according ISO 286 fit system)
Main application: Non-ferrous metals (ISO N), Secondary application: Plastics and other materials (ISO O), For face milling / end milling, For trimming / hobbing, For shoulder milling, For inclined plunging

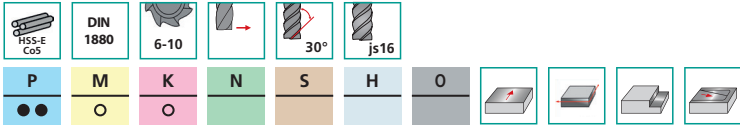
Type W, uncoated

Order ID	d1 mm	h1 mm	d2 mm	h2 mm	teeth
216621.0100	40	32	16	19	4
216621.0200	50	36	22	21	4
216621.0300	63	40	27	23	5
216621.0400	80	45	27	23	6



216641 NERIOX HSS shoulder milling cutters

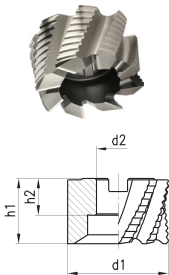
Shell end mill with roughing profile



Made of HSS-E Co5 (High Speed Steel, contains approximately 5% cobalt), According to DIN 1880, Number of teeth 6 - 10, without center cut, Milling cutter with 30° helix angle, End mill cutting edge tolerance js16 (according ISO 286 fit system)
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), For face milling / end milling, For trimming / hobbing, For shoulder milling, For inclined plunging

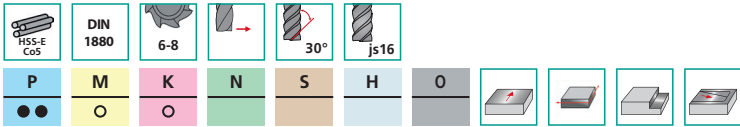
Type NR, uncoated

Order ID	d1 mm	h1 mm	d2 mm	h2 mm	teeth
216641.0100	40	32	16	19	6
216641.0200	50	36	22	21	6
216641.0300	63	40	27	23	8
216641.0400	80	45	27	23	8
216641.0500	100	50	32	26	10



216661 NERIOX HSS shoulder milling cutters

Shell end mill with roughing/finishing profile



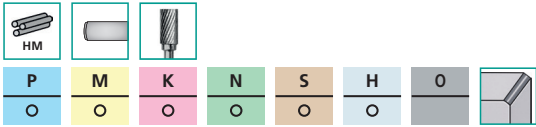
Made of HSS-E Co5 (High Speed Steel, contains approximately 5% cobalt), According to DIN 1880, Number of teeth 6 - 8, without center cut, Milling cutter with 30° helix angle, End mill cutting edge tolerance js16 (according ISO 286 fit system)
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), For face milling / end milling, For trimming / hobbing, For shoulder milling, For inclined plunging

Type NF, uncoated

Order ID	d1 mm	h1 mm	d2 mm	h2 mm	teeth
216661.0100	40	32	16	19	6
216661.0200	50	36	22	21	6
216661.0300	63	40	27	23	8
216661.0400	80	45	27	23	8

230001 NERIOX Carbide burr

ZYA

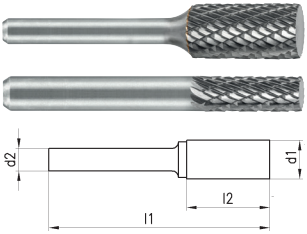


Made of hard metal, with cylindrical shank, Cylindrical shape (ZYL)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Cylindrical shape without end cut
Crosscut

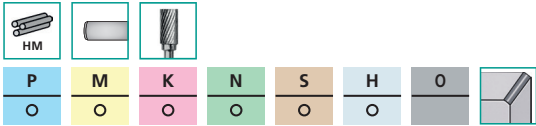
Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230001.0100	ZYA	4	13	6	50
230001.0200	ZYA	6	18	6	50
230001.0300	ZYA	8	19	6	64
230001.0400	ZYA	10	20	6	65
230001.0500	ZYA	12	25	6	70
230001.0600	ZYA	16	25	6	70

NERIOX



230011 NERIOX Carbide burr

ZYAS

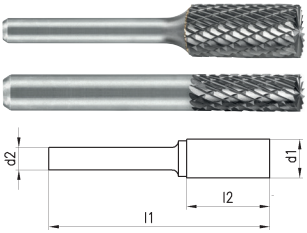


Made of hard metal, with cylindrical shank, Cylindrical shape (ZYL)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Cylindrical shape with end cut.
Crosscut.

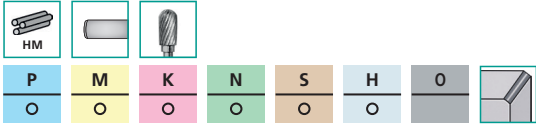
Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230011.0100	ZYAS	4	13	6	50
230011.0200	ZYAS	6	18	6	50
230011.0300	ZYAS	8	19	6	64
230011.0400	ZYAS	10	20	6	65
230011.0500	ZYAS	12	25	6	70
230011.0600	ZYAS	16	25	6	70

NERIOX



230021 NERIOX Carbide burr

WRC

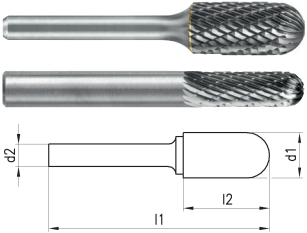


Made of hard metal, with cylindrical shank, Round cylindrical shape (WRC)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Sphero-cylinder shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230021.0100	WRC	4	13	6	50
230021.0200	WRC	6	18	6	50
230021.0300	WRC	8	19	6	64
230021.0400	WRC	10	20	6	65
230021.0500	WRC	12	25	6	70
230021.0600	WRC	16	25	6	70

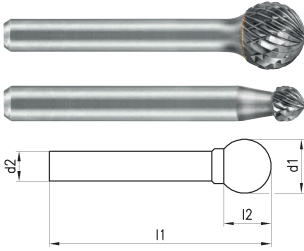
NERIOX





230031 NERIOX Carbide burr

KUD





P

O

M

O

K

O

N

O

S

O

H

O

O



Made of hard metal, with cylindrical shank, Spherical shape (KUD)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

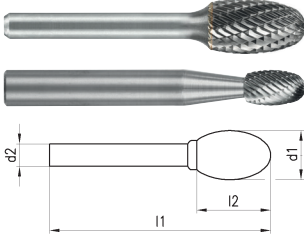
Ball shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230031.0100	KUD	5	4	6	50
230031.0200	KUD	6	4.7	6	50
230031.0300	KUD	8	6	6	52
230031.0400	KUD	10	9	6	54
230031.0500	KUD	12	11	6	56
230031.0600	KUD	16	14	6	59



230041 NERIOX Carbide burr

TRE





P

O

M

O

K

O

N

O

S

O

H

O

O



Made of hard metal, with cylindrical shank, Teardrop shape (TRC)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

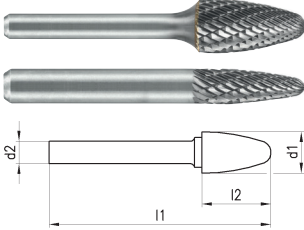
Oval shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230041.0100	TRE	6	10	6	50
230041.0150	TRE	8	15	6	60
230041.0200	TRE	9.6	16	6	60
230041.0300	TRE	12	20	6	65
230041.0400	TRE	16	25	6	70



230051 NERIOX Carbide burr

RBF





P

O

M

O

K

O

N

O

S

O

H

O

O



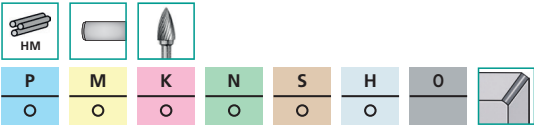
Made of hard metal, with cylindrical shank, Round arch shape (RBF)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Round-arch shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230051.0100	RBF	6	18	6	50
230051.0150	RBF	8	20	6	65
230051.0200	RBF	10	20	6	65
230051.0300	RBF	12	25	6	70
230051.0400	RBF	16	25	6	70

230061 NERIOX Carbide burr

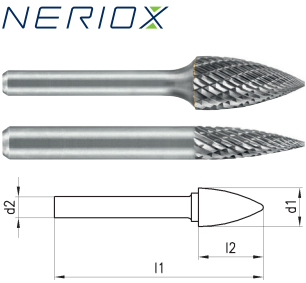
SPG



Made of hard metal, with cylindrical shank, Pointed arch shape (SPG)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

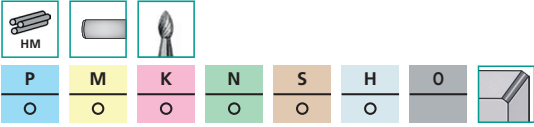
Pointed-arch shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230061.0100	SPG	6	18	6	50
230061.0200	SPG	8	19	6	64
230061.0300	SPG	10	20	6	65
230061.0400	SPG	12	25	6	70
230061.0500	SPG	16	25	6	70



230071 NERIOX Carbide burr

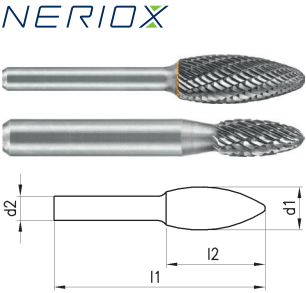
H



Made of hard metal, with cylindrical shank, Flame shape (FLB)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

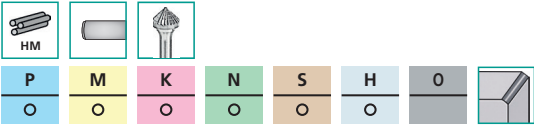
Flame shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230071.0050	H	6	14	6	50
230071.0100	H	8	19	6	64
230071.0150	H	9.6	19	6	64
230071.0200	H	12	30	6	75
230071.0300	H	16	36	6	81



230081 NERIOX Carbide burr

KSJ



Made of hard metal, with cylindrical shank, Countersunk cone shape (KSJ)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Conical counterbore shape 60°.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230081.0100	KSJ	6	4	6	50
230081.0200	KSJ	9.6	8	6	56
230081.0300	KSJ	12.7	11	6	59
230081.0400	KSJ	16	14.5	6	63



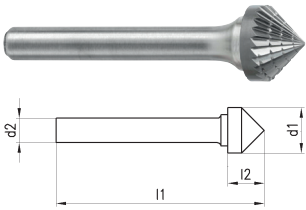


230091 NERIOX Carbide burr

KSK



P	M	K	N	S	H	O	
O	O	O	O	O	O	O	



Made of hard metal, with cylindrical shank, Countersunk cone shape (KSK)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Conical counterbore shape 90°.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230091.0100	KSK	6	3	6	50
230091.0200	KSK	9.6	4.7	6	53
230091.0300	KSK	12.7	6.3	6	55
230091.0400	KSK	16	8	6	57

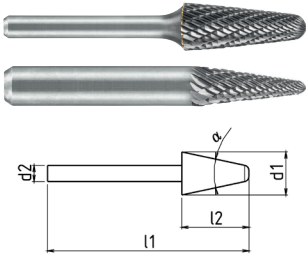


230101 NERIOX Carbide burr

KEL



P	M	K	N	S	H	O	
O	O	O	O	O	O	O	



Made of hard metal, with cylindrical shank, Round cone shape (KEL)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Conical shape with radius end.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm	Angle
230101.0100	KEL	6	18	6	50	14°
230101.0200	KEL	8	25.4	6	70	14°
230101.0300	KEL	9.6	30	6	76	14°
230101.0350	KEL	10	20	6	65	14°
230101.0400	KEL	12	30	6	77	14°
230101.0500	KEL	16	33	6	78	14°

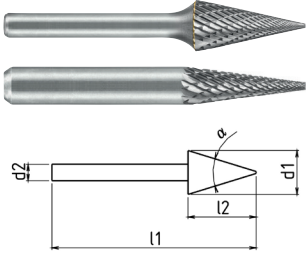


230111 NERIOX Carbide burr

SKM



P	M	K	N	S	H	O	
O	O	O	O	O	O	O	



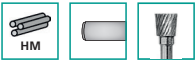
Made of hard metal, with cylindrical shank, Pointed cone shape (SKM)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Conical pointed shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm	Angle
230111.0100	SKM	6	12.7	6	50	20°
230111.0200	SKM	6	20	6	50	14°
230111.0300	SKM	6	25	6	50	10°
230111.0400	SKM	10	20	6	65	28°
230111.0500	SKM	12	26	6	71	28°
230111.0600	SKM	16	25	6	71	31°

230121 NERIOX Carbide burr

WKN



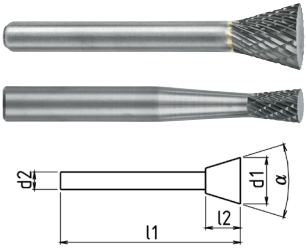
P	M	K	N	S	H	O	
O	O	O	O	O	O		

Made of hard metal, with cylindrical shank, Angle shape (WKN)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Angular shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm	Angle
230121.0100	WKN	6	8	6	50	10°
230121.0200	WKN	9.6	9.5	6	55	16°
230121.0300	WKN	12.7	12.7	6	58	28°
230121.0400	WKN	16	19	6	64	18°

NERIOX



230131 NERIOX Set of carbide burr



P	M	K	N	S	H	O	
O	O	O	O	O	O		

Made of hard metal, with cylindrical shank, delivered as a SET
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

Cut 6 UNI

Consisting of:

- 230011.0400 NERIOX Carbide burr Form ZYAS, Z6, UNI 10 x 20 / 6
- 230021.0400 NERIOX Carbide burr Form WRC, Z6, UNI 10 x 20 / 6
- 230031.0400 NERIOX Carbide burr Form KUD, Z6, UNI 10 x 9 / 6
- 230051.0200 NERIOX Carbide burr Form RBF, Z6, UNI 10 x 20 / 6
- 230061.0300 NERIOX Carbide burr Form SPG, Z6, UNI 10 x 20 / 6

Order ID	Contents pieces	Shape	Head Ø mm	Shaft Ø mm
230131.0100	5	ZYAS, WRC, KUD, RBF, SPG	10	6

NERIOX



230141 NERIOX Set of carbide burr

Head diameter 12mm



P	M	K	N	S	H	O	
O	O	O	O	O	O		

Made of hard metal, with cylindrical shank, delivered as a SET
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring

cut 6 UNI

Consisting of:

- 230011.0500 NERIOX Carbide burr Form ZYAS, Z6, UNI 12 x 25 / 6
- 230021.0500 NERIOX Carbide burr Form WRC, Z6, UNI 12 x 25 / 6
- 230031.0500 NERIOX Carbide burr Form KUD, Z6, UNI 12 x 11 / 6
- 230051.0300 NERIOX Carbide burr Form RBF, Z6, UNI 12 x 25 / 6
- 230061.0400 NERIOX Carbide burr Form SPG, Z6, UNI 12 x 25 / 6

Order ID	Contents pieces	Shape	Head Ø mm	Shaft mm
230141.0100	5	ZYAS, WRC, KUD, RBF, SPG	12	6

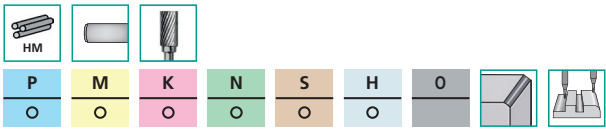
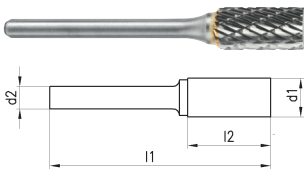
NERIOX





230201 NERIOX Carbide mini burr

ZYA



Made of hard metal, with cylindrical shank, Cylindrical shape (ZYL)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

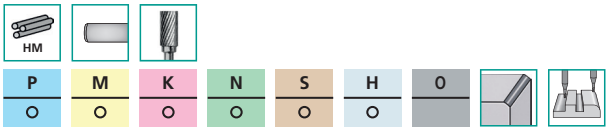
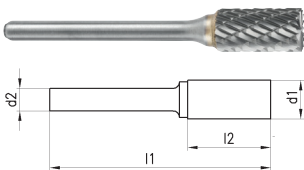
Cylindrical shape without end cut
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230201.0100	ZYA	1.5	6	3	38
230201.0150	ZYA	2	11	3	38
230201.0200	ZYA	2.5	11	3	38
230201.0300	ZYA	3	14	3	38
230201.0400	ZYA	4	12.7	3	38
230201.0500	ZYA	6.3	12.7	3	45



230211 NERIOX Carbide mini burr

ZYAS



Made of hard metal, with cylindrical shank, Cylindrical shape (ZYL)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

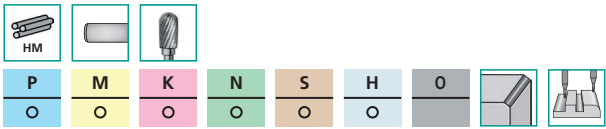
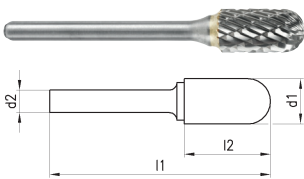
Cylindrical shape with end cut.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230211.0100	ZYAS	1.5	6	3	38
230211.0150	ZYAS	2	11	3	38
230211.0200	ZYAS	2.5	11	3	38
230211.0300	ZYAS	3	14	3	38
230211.0400	ZYAS	6.3	12.7	3	45



230221 NERIOX Carbide mini burr

WRC



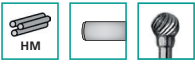
Made of hard metal, with cylindrical shank, Round cylindrical shape (WRC)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

Sphero-cylinder shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230221.0050	WRC	2	11	3	38
230221.0100	WRC	2.5	11	3	38
230221.0200	WRC	3	14	3	38
230221.0300	WRC	4	12.5	3	38
230221.0400	WRC	5	12.7	3	38
230221.0500	WRC	6.3	12.7	3	45

230231 NERIOX Carbide mini burr

KUD



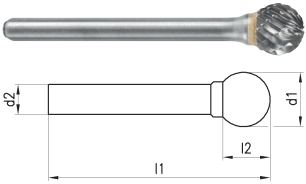
P	M	K	N	S	H	O		
O	O	O	O	O	O			

Made of hard metal, with cylindrical shank, Spherical shape (KUD)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

Ball shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230231.0050	KUD	2	1.75	3	38
230231.0100	KUD	2.5	2.3	3	38
230231.0200	KUD	3	2.5	3	38
230231.0300	KUD	4	3.4	3	38
230231.0400	KUD	5	4.7	3	38
230231.0500	KUD	6.3	5	3	45

NERIOX



230241 NERIOX Carbide mini burr

TRE



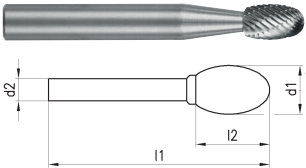
P	M	K	N	S	H	O		
O	O	O	O	O	O			

Made of hard metal, with cylindrical shank, Teardrop shape (TRC)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

Oval shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230241.0100	TRE	3	6	3	38
230241.0200	TRE	5	7.1	3	38
230241.0300	TRE	6.3	9.5	3	42

NERIOX



230251 NERIOX Carbide mini burr

RBF



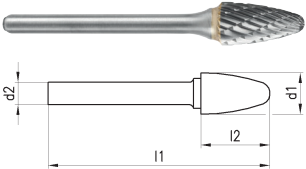
P	M	K	N	S	H	O		
O	O	O	O	O	O			

Made of hard metal, with cylindrical shank, Round arch shape (RBF)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

Round-arch shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230251.0100	RBF	3	14	3	38
230251.0200	RBF	5	12.7	3	38
230251.0300	RBF	6.3	12.7	3	45

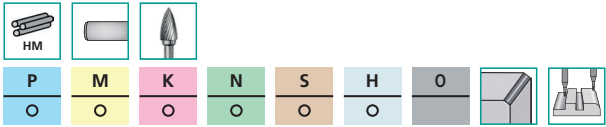
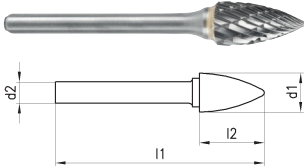
NERIOX



NERIOX

230261 NERIOX Carbide mini burr

SPG



Made of hard metal, with cylindrical shank, Pointed arch shape (SPG)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

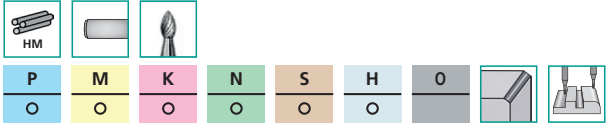
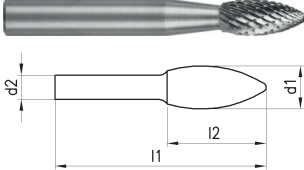
Pointed-arch shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230261.0100	SPG	3	14	3	38
230261.0200	SPG	5	12.7	3	45
230261.0300	SPG	6.3	12.7	3	45

NERIOX

230271 NERIOX Carbide mini burr

H



Made of hard metal, with cylindrical shank, Flame shape (FLB)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

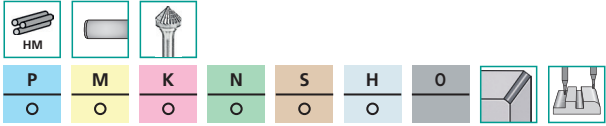
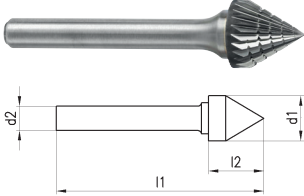
Flame shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230271.0100	H	3	6	3	38
230271.0200	H	5	9.5	3	38

NERIOX

230281 NERIOX Carbide mini burr

KSJ



Made of hard metal, with cylindrical shank, Countersunk cone shape (KSJ)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

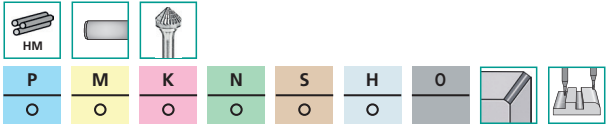
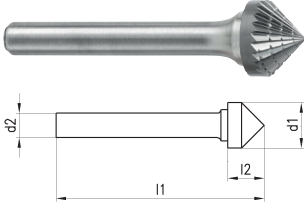
Conical counterbore shape 60°.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230281.0100	KSJ	3	2.5	3	38

NERIOX

230291 NERIOX Carbide mini burr

KSK



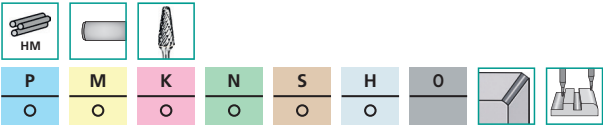
Made of hard metal, with cylindrical shank, Countersunk cone shape (KSJ)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

Conical counterbore shape 90°.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm
230291.0100	KSK	3	1.5	3	38

230301 NERIOX Carbide mini burr

KEL

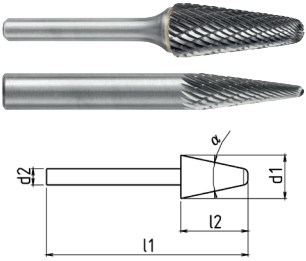


Made of hard metal, with cylindrical shank, Round cone shape (KEL)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

Conical shape with radius end.
Crosscut.

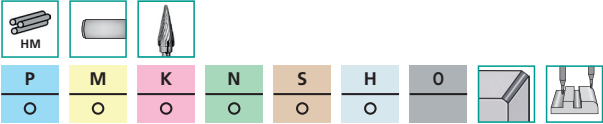
Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm	Angle
230301.0100	KEL	3	10	3	38	10°
230301.0150	KEL	3	14	3	38	8°
230301.0200	KEL	5	12.7	3	38	14°

NERIOX



230311 NERIOX Carbide mini burr

SKM

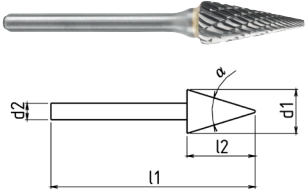


Made of hard metal, with cylindrical shank, Pointed cone shape (SKM)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

Conical pointed shape.
Crosscut.

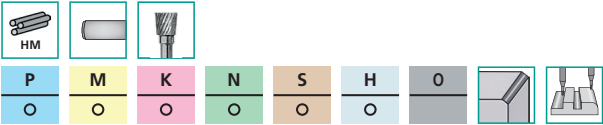
Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm	Angle
230311.0100	SKM	3	8	3	38	18°
230311.0200	SKM	3	11	3	38	14°
230311.0300	SKM	3	15	3	38	10°
230311.0400	SKM	5	14.5	3	38	16°
230311.0500	SKM	6.3	12.7	3	49	22°

NERIOX



230321 NERIOX Carbide mini burr

WKN

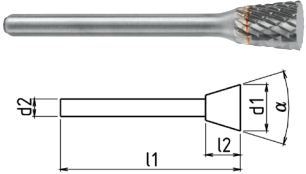


Made of hard metal, with cylindrical shank, Angle shape (WKN)
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

Angular shape.
Crosscut.

Order ID	Type	d1 mm	l2 mm	d2 mm	l1 mm	Angle
230321.0100	WKN	3	4	3	38	10°
230321.0200	WKN	6.3	6.4	3	39	12°

NERIOX





230151 NERIOX Set of carbide mini burr

Head diameter 3mm



P

O

M

O

K

O

N

O

S

O

H

O

O

O





Made of hard metal, with cylindrical shank, delivered as a SET
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

cut 6 UNI

Consisting of:

- 230201.0300 NERIOX Carbide mini burr Form ZYA, Z6, UNI 3 x 14 / 3
- 230211.0300 NERIOX Carbide mini burr Form ZYAS, Z6, UNI 3 x 14 / 3
- 230221.0200 NERIOX Carbide mini burr Form WRC, Z6, UNI 3 x 14 / 3
- 230231.0200 NERIOX Carbide mini burr Form KUD, Z6, UNI 3 x 2.5 / 3
- 230241.0100 NERIOX Carbide mini burr Form TRE, Z6, UNI 3 x 6 / 3
- 230251.0100 NERIOX Carbide mini burr Form RBF, Z6, UNI 3 x 14 / 3
- 230261.0100 NERIOX Carbide mini burr Form SPG, Z6, UNI 3 x 14 / 3
- 230271.0100 NERIOX Carbide mini burr Form H, Z6, UNI 3 x 6 / 3
- 230301.0150 NERIOX Carbide mini burr Form KEL, Z6, UNI 3 x 14 / 3 / 8°
- 230311.0200 NERIOX Carbide mini burr Form SKM, Z6, UNI 3 x 11 / 3 / 14°

Order ID	Contents pieces	Shape	Head Ø mm	Shaft Ø mm
230151.0100	10	ZYA, ZYAS, WRC, KUD, TRE, RBF, SPG, H, KEL, SKM	3	3



230161 NERIOX Set of carbide mini burr

Head diameter 3mm



P

O

M

O

K

O

N

O

S

O

H

O

O

O





Made of hard metal, with cylindrical shank, delivered as a SET
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Hardened steel (ISO H), For chamfering and deburring, For micro milling

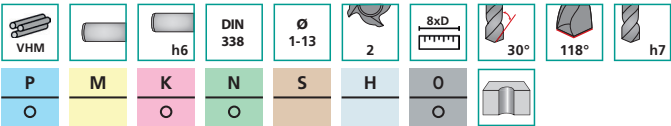
cut 6 UNI

Consisting of:

- 230211.0300 NERIOX Carbide mini burr Form ZYAS, Z6, UNI 3 x 14 / 3
- 230221.0200 NERIOX Carbide mini burr Form WRC, Z6, UNI 3 x 14 / 3
- 230231.0200 NERIOX Carbide mini burr Form KUD, Z6, UNI 3 x 2.5 / 3
- 230251.0100 NERIOX Carbide mini burr Form RBF, Z6, UNI 3 x 14 / 3
- 230261.0100 NERIOX Carbide mini burr Form SPG, Z6, UNI 3 x 14 / 3

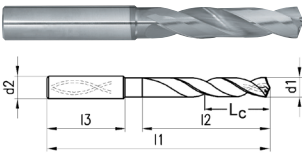
Order ID	Contents pieces	Shape	Head Ø mm	Shaft Ø mm
230161.0100	5	ZYAS, WRC, KUD, RBF, SPG	3	3

256131 NERIOX Solid carbide twist drill DIN338



Made of solid hard metal, with cylindrical shank, Shaft tolerance h6, According to DIN 338, Nominal size Ø 1 - 13 mm, Number of teeth 2, Length ratio 8xD, Drill with 30° helix angle, Tip angle 118°, Drill cutting tolerance h7 (according to ISO 286 fit system)
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Plastics and other materials (ISO O), For through-hole drilling

Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Order ID	d1 mm	l2 mm	l1 mm	d2 mm
256131.0010	1	12	34	1	256131.0360	4.5	47	80	4.5
256131.0020	1.1	14	36	1.1	256131.0370	4.6	47	80	4.6
256131.0030	1.2	16	38	1.2	256131.0380	4.7	47	80	4.7
256131.0040	1.3	16	38	1.3	256131.0390	4.8	52	86	4.8
256131.0050	1.4	18	40	1.4	256131.0400	4.9	52	86	4.9
256131.0060	1.5	18	40	1.5	256131.0410	5	52	86	5
256131.0070	1.6	20	43	1.6	256131.0420	5.1	52	86	5.1
256131.0080	1.7	20	43	1.7	256131.0430	5.2	52	86	5.2
256131.0090	1.8	22	46	1.8	256131.0440	5.3	52	86	5.3
256131.0100	1.9	22	46	1.9	256131.0450	5.4	57	93	5.4
256131.0110	2	24	49	2	256131.0460	5.5	57	93	5.5
256131.0120	2.1	24	49	2.1	256131.0470	5.6	57	93	5.6
256131.0130	2.2	27	53	2.2	256131.0480	5.7	57	93	5.7
256131.0140	2.3	27	53	2.3	256131.0490	5.8	57	93	5.8
256131.0150	2.4	30	57	2.4	256131.0500	5.9	57	93	5.9
256131.0160	2.5	30	57	2.5	256131.0510	6	57	93	6
256131.0170	2.6	30	57	2.6	256131.0520	6.1	63	101	6.1
256131.0180	2.7	33	61	2.7	256131.0530	6.2	63	101	6.2
256131.0190	2.8	33	61	2.8	256131.0540	6.3	63	101	6.3
256131.0200	2.9	33	61	2.9	256131.0550	6.4	63	101	6.4
256131.0210	3	33	61	3	256131.0560	6.5	63	101	6.5
256131.0220	3.1	36	65	3.1	256131.0570	6.8	69	109	6.8
256131.0230	3.2	36	65	3.2	256131.0580	7	69	109	7
256131.0240	3.3	36	65	3.3	256131.0590	7.5	69	109	7.5
256131.0250	3.4	39	70	3.4	256131.0600	8	75	117	8
256131.0260	3.5	39	70	3.5	256131.0610	8.5	75	117	8.5
256131.0270	3.6	39	70	3.6	256131.0620	9	81	125	9
256131.0280	3.7	39	70	3.7	256131.0630	9.5	81	125	9.5
256131.0290	3.8	43	75	3.8	256131.0640	10	87	133	10
256131.0300	3.9	43	75	3.9	256131.0650	10.2	87	133	10.2
256131.0310	4	43	75	4	256131.0660	10.5	87	133	10.5
256131.0320	4.1	43	75	4.1	256131.0670	11	94	142	11
256131.0330	4.2	43	75	4.2	256131.0680	11.5	94	142	11.5
256131.0340	4.3	47	80	4.3	256131.0690	12	101	151	12
256131.0350	4.4	47	80	4.4	256131.0700	13	101	151	13



256151 NERIOX Solid carbide twist drill

VHM

TiAlN

h7

DIN 6537

Ø 3-16

2

3xD

140°

m7

P

M

K

N

S

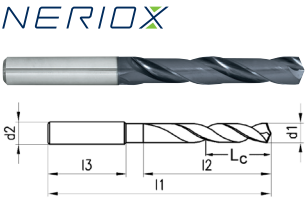
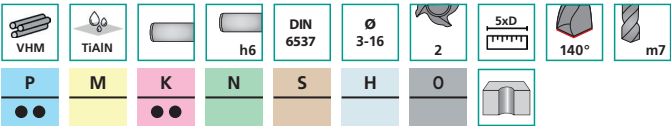
H

O

Made of solid hard metal, TiAlN coating, with cylindrical shank, Shaft tolerance h7, According to DIN 6537, Nominal size Ø 3 - 16 mm, Number of teeth 2, With internal cooling vertically, Length ratio 3xD, Tip angle 140°, Drill cutting tolerance m7 (according to ISO 286 fit system)
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For through-hole drilling

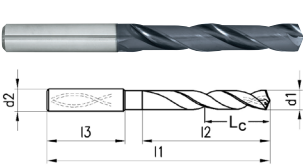
Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm
256151.0100	3	14	20	62	6	36	256151.4500	7.4	29	41	79	8	36
256151.0200	3.1	14	20	62	6	36	256151.4600	7.5	29	41	79	8	36
256151.0300	3.2	14	20	62	6	36	256151.4700	7.6	29	41	79	8	36
256151.0400	3.3	14	20	62	6	36	256151.4800	7.7	29	41	79	8	36
256151.0500	3.4	14	20	62	6	36	256151.4900	7.8	29	41	79	8	36
256151.0600	3.5	14	20	62	6	36	256151.5000	7.9	29	41	79	8	36
256151.0700	3.6	14	20	62	6	36	256151.5100	8	29	41	79	8	36
256151.0800	3.7	14	20	62	6	36	256151.5200	8.1	35	47	89	10	40
256151.0900	3.8	17	24	66	6	36	256151.5300	8.2	35	47	89	10	40
256151.1000	3.9	17	24	66	6	36	256151.5400	8.3	35	47	89	10	40
256151.1100	4	17	24	66	6	36	256151.5500	8.4	35	47	89	10	40
256151.1200	4.1	17	24	66	6	36	256151.5600	8.5	35	47	89	10	40
256151.1300	4.2	17	24	66	6	36	256151.5700	8.6	35	47	89	10	40
256151.1400	4.3	17	24	66	6	36	256151.5800	8.7	35	47	89	10	40
256151.1500	4.4	17	24	66	6	36	256151.5900	8.8	35	47	89	10	40
256151.1600	4.5	17	24	66	6	36	256151.6000	8.9	35	47	89	10	40
256151.1700	4.6	17	24	66	6	36	256151.6100	9	35	47	89	10	40
256151.1800	4.7	17	24	66	6	36	256151.6200	9.1	35	47	89	10	40
256151.1900	4.8	20	28	66	6	36	256151.6300	9.2	35	47	89	10	40
256151.2000	4.9	20	28	66	6	36	256151.6400	9.3	35	47	89	10	40
256151.2100	5	20	28	66	6	36	256151.6500	9.4	35	47	89	10	40
256151.2200	5.1	20	28	66	6	36	256151.6600	9.5	35	47	89	10	40
256151.2300	5.2	20	28	66	6	36	256151.6700	9.6	35	47	89	10	40
256151.2400	5.3	20	28	66	6	36	256151.6800	9.7	35	47	89	10	40
256151.2500	5.4	20	28	66	6	36	256151.6900	9.8	35	47	89	10	40
256151.2600	5.5	20	28	66	6	36	256151.7000	9.9	35	47	89	10	40
256151.2700	5.6	20	28	66	6	36	256151.7100	10	35	47	89	10	40
256151.2800	5.7	20	28	66	6	36	256151.7200	10.2	40	55	102	12	45
256151.2900	5.8	20	28	66	6	36	256151.7300	10.5	40	55	102	12	45
256151.3000	5.9	20	28	66	6	36	256151.7400	10.8	40	55	102	12	45
256151.3100	6	20	28	66	6	36	256151.7500	11	40	55	102	12	45
256151.3200	6.1	24	34	79	8	36	256151.7600	11.2	40	55	102	12	45
256151.3300	6.2	24	34	79	8	36	256151.7700	11.5	40	55	102	12	45
256151.3400	6.3	24	34	79	8	36	256151.7800	11.8	40	55	102	12	45
256151.3500	6.4	24	34	79	8	36	256151.7900	12	40	55	102	12	45
256151.3600	6.5	24	34	79	8	36	256151.8000	12.5	43	60	107	14	45
256151.3700	6.6	24	34	79	8	36	256151.8100	13	43	60	107	14	45
256151.3800	6.7	24	34	79	8	36	256151.8200	13.5	43	60	107	14	45
256151.3900	6.8	24	34	79	8	36	256151.8300	14	43	60	107	14	45
256151.4000	6.9	24	34	79	8	36	256151.8400	14.5	45	65	115	16	48
256151.4100	7	24	34	79	8	36	256151.8500	15	45	65	115	16	48
256151.4200	7.1	29	41	79	8	36	256151.8600	15.5	45	65	115	16	48
256151.4300	7.2	29	41	79	8	36	256151.8700	16	45	65	115	16	48
256151.4400	7.3	29	41	79	8	36							

256156 NERIOX Solid carbide twist drill



Made of solid hard metal, TiAlN coating, with cylindrical shank, Shaft tolerance h6, According to DIN 6537, Nominal size Ø 3 - 16 mm, Number of teeth 2, Length ratio 5xD, Tip angle 140°, Drill cutting tolerance m7 (according to ISO 286 fit system)
Main application: Steel (ISO-P), Main application: Cast materials (ISO K), For through-hole drilling

Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm
256156.0100	3	23	28	66	6	36	256156.4500	7.4	43	53	91	8	36
256156.0200	3.1	23	28	66	6	36	256156.4600	7.5	43	53	91	8	36
256156.0300	3.2	23	28	66	6	36	256156.4700	7.6	43	53	91	8	36
256156.0400	3.3	23	28	66	6	36	256156.4800	7.7	43	53	91	8	36
256156.0500	3.4	23	28	66	6	36	256156.4900	7.8	43	53	91	8	36
256156.0600	3.5	23	28	66	6	36	256156.5000	7.9	43	53	91	8	36
256156.0700	3.6	23	28	66	6	36	256156.5100	8	43	53	91	8	36
256156.0800	3.7	23	28	66	6	36	256156.5200	8.1	49	61	103	10	40
256156.0900	3.8	29	36	74	6	36	256156.5300	8.2	49	61	103	10	40
256156.1000	3.9	29	36	74	6	36	256156.5400	8.3	49	61	103	10	40
256156.1100	4	29	36	74	6	36	256156.5500	8.4	49	61	103	10	40
256156.1200	4.1	29	36	74	6	36	256156.5600	8.5	49	61	103	10	40
256156.1300	4.2	29	36	74	6	36	256156.5700	8.6	49	61	103	10	40
256156.1400	4.3	29	36	74	6	36	256156.5800	8.7	49	61	103	10	40
256156.1500	4.4	29	36	74	6	36	256156.5900	8.8	49	61	103	10	40
256156.1600	4.5	29	36	74	6	36	256156.6000	8.9	49	61	103	10	40
256156.1700	4.6	29	36	74	6	36	256156.6100	9	49	61	103	10	40
256156.1800	4.7	29	36	74	6	36	256156.6200	9.1	49	61	103	10	40
256156.1900	4.8	35	44	82	6	36	256156.6300	9.2	49	61	103	10	40
256156.2000	4.9	35	44	82	6	36	256156.6400	9.3	49	61	103	10	40
256156.2100	5	35	44	82	6	36	256156.6500	9.4	49	61	103	10	40
256156.2200	5.1	35	44	82	6	36	256156.6600	9.5	49	61	103	10	40
256156.2300	5.2	35	44	82	6	36	256156.6700	9.6	49	61	103	10	40
256156.2400	5.3	35	44	82	6	36	256156.6800	9.7	49	61	103	10	40
256156.2500	5.4	35	44	82	6	36	256156.6900	9.8	49	61	103	10	40
256156.2600	5.5	35	44	82	6	36	256156.7000	9.9	49	61	103	10	40
256156.2700	5.6	35	44	82	6	36	256156.7100	10	49	61	103	10	40
256156.2800	5.7	35	44	82	6	36	256156.7200	10.2	56	71	118	12	45
256156.2900	5.8	35	44	82	6	36	256156.7300	10.5	56	71	118	12	45
256156.3000	5.9	35	44	82	6	36	256156.7400	10.8	56	71	118	12	45
256156.3100	6	35	44	82	6	36	256156.7500	11	56	71	118	12	45
256156.3200	6.1	43	53	91	8	36	256156.7600	11.2	56	71	118	12	45
256156.3300	6.2	43	53	91	8	36	256156.7700	11.5	56	71	118	12	45
256156.3400	6.3	43	53	91	8	36	256156.7800	11.8	56	71	118	12	45
256156.3500	6.4	43	53	91	8	36	256156.7900	12	56	71	118	12	45
256156.3600	6.5	43	53	91	8	36	256156.8000	12.5	60	77	124	14	45
256156.3700	6.6	43	53	91	8	36	256156.8100	13	60	77	124	14	45
256156.3800	6.7	43	53	91	8	36	256156.8200	13.5	60	77	124	14	45
256156.3900	6.8	43	53	91	8	36	256156.8300	14	60	77	124	14	45
256156.4000	6.9	43	53	91	8	36	256156.8400	14.5	63	83	133	16	48
256156.4100	7	43	53	91	8	36	256156.8500	15	63	83	133	16	48
256156.4200	7.1	43	53	91	8	36	256156.8600	15.5	63	83	133	16	48
256156.4300	7.2	43	53	91	8	36	256156.8700	16	63	83	133	16	48
256156.4400	7.3	43	53	91	8	36							



256161 NERIOX Solid carbide twist drill

VHM

TiAlN

h6

DIN 6537

Ø 1-16

2

5xD

140°

m7

P

M

K

N

S

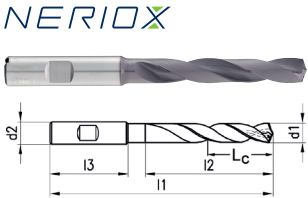
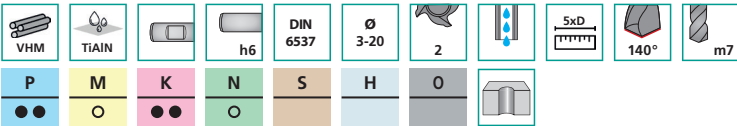
H

O

Made of solid hard metal, TiAlN coating, with cylindrical shank, Shaft tolerance h6, According to DIN 6537, Nominal size Ø 1 - 16 mm, Number of teeth 2, With internal cooling vertically, Length ratio 5xD, Tip angle 140°, Drill cutting tolerance m7 (according to ISO 286 fit system)
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For through-hole drilling

Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm
256161.0052	1	7	10	55	3	42	256161.3500	6.4	43	53	91	8	36
256161.0054	1.1	10	12	55	3	38	256161.3600	6.5	43	53	91	8	36
256161.0056	1.2	10	12	55	3	38	256161.3700	6.6	43	53	91	8	36
256161.0058	1.3	10	12	55	3	38	256161.3800	6.7	43	53	91	8	36
256161.0060	1.4	10	12	55	3	38	256161.3900	6.8	43	53	91	8	36
256161.0062	1.5	10	12	55	3	38	256161.4000	6.9	43	53	91	8	36
256161.0064	1.6	13	16	55	3	36	256161.4100	7	43	53	91	8	36
256161.0066	1.7	13	16	55	3	36	256161.4200	7.1	43	53	91	8	36
256161.0068	1.8	13	16	55	3	36	256161.4300	7.2	43	53	91	8	36
256161.0070	1.9	13	16	55	3	36	256161.4400	7.3	43	53	91	8	36
256161.0072	2	16	21	57	3	32	256161.4500	7.4	43	53	91	8	36
256161.0074	2.1	16	21	57	3	32	256161.4600	7.5	43	53	91	8	36
256161.0076	2.2	16	21	57	3	32	256161.4700	7.6	43	53	91	8	36
256161.0078	2.3	16	21	57	3	32	256161.4800	7.7	43	53	91	8	36
256161.0080	2.4	16	21	57	3	32	256161.4900	7.8	43	53	91	8	36
256161.0082	2.5	16	21	57	3	32	256161.5000	7.9	43	53	91	8	36
256161.0084	2.6	19	21	57	3	32	256161.5100	8	43	53	91	8	36
256161.0086	2.7	19	21	57	3	32	256161.5200	8.1	49	61	103	10	40
256161.0088	2.8	19	21	57	3	32	256161.5300	8.2	49	61	103	10	40
256161.0090	2.9	19	21	57	3	32	256161.5400	8.3	49	61	103	10	40
256161.0100	3	23	28	66	6	36	256161.5500	8.4	49	61	103	10	40
256161.0200	3.1	23	28	66	6	36	256161.5600	8.5	49	61	103	10	40
256161.0300	3.2	23	28	66	6	36	256161.5700	8.6	49	61	103	10	40
256161.0400	3.3	23	28	66	6	36	256161.5800	8.7	49	61	103	10	40
256161.0500	3.4	23	28	66	6	36	256161.5900	8.8	49	61	103	10	40
256161.0600	3.5	23	28	66	6	36	256161.6000	8.9	49	61	103	10	40
256161.0700	3.6	23	28	66	6	36	256161.6100	9	49	61	103	10	40
256161.0800	3.7	23	28	66	6	36	256161.6200	9.1	49	61	103	10	40
256161.0900	3.8	29	36	74	6	36	256161.6300	9.2	49	61	103	10	40
256161.1000	3.9	29	36	74	6	36	256161.6400	9.3	49	61	103	10	40
256161.1100	4	29	36	74	6	36	256161.6500	9.4	49	61	103	10	40
256161.1200	4.1	29	36	74	6	36	256161.6600	9.5	49	61	103	10	40
256161.1300	4.2	29	36	74	6	36	256161.6700	9.6	49	61	103	10	40
256161.1400	4.3	29	36	74	6	36	256161.6800	9.7	49	61	103	10	40
256161.1500	4.4	29	36	74	6	36	256161.6900	9.8	49	61	103	10	40
256161.1600	4.5	29	36	74	6	36	256161.7000	9.9	49	61	103	10	40
256161.1700	4.6	29	36	74	6	36	256161.7100	10	49	61	103	10	40
256161.1800	4.7	29	36	74	6	36	256161.7200	10.2	56	71	118	12	45
256161.1900	4.8	35	44	82	6	36	256161.7300	10.5	56	71	118	12	45
256161.2000	4.9	35	44	82	6	36	256161.7400	10.8	56	71	118	12	45
256161.2100	5	35	44	82	6	36	256161.7500	11	56	71	118	12	45
256161.2200	5.1	35	44	82	6	36	256161.7600	11.2	56	71	118	12	45
256161.2300	5.2	35	44	82	6	36	256161.7700	11.5	56	71	118	12	45
256161.2400	5.3	35	44	82	6	36	256161.7800	11.8	56	71	118	12	45
256161.2500	5.4	35	44	82	6	36	256161.7900	12	56	71	118	12	45
256161.2600	5.5	35	44	82	6	36	256161.8000	12.5	60	77	124	14	45
256161.2700	5.6	35	44	82	6	36	256161.8100	13	60	77	124	14	45
256161.2800	5.7	35	44	82	6	36	256161.8200	13.5	60	77	124	14	45
256161.2900	5.8	35	44	82	6	36	256161.8300	14	60	77	124	14	45
256161.3000	5.9	35	44	82	6	36	256161.8400	14.5	63	83	133	16	48
256161.3100	6	35	44	82	6	36	256161.8500	15	63	83	133	16	48
256161.3200	6.1	43	53	91	8	36	256161.8600	15.5	63	83	133	16	48
256161.3300	6.2	43	53	91	8	36	256161.8700	16	63	83	133	16	48
256161.3400	6.3	43	53	91	8	36							

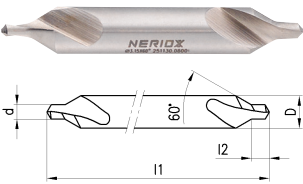
256162 NERIOX Solid carbide twist drill



Made of solid hard metal, TiAlN coating, with Weldon shank, Shaft tolerance h6, According to DIN 6537, Nominal size Ø 3 - 20 mm, Number of teeth 2, With internal cooling vertically, Length ratio 5xD, Tip angle 140°, Drill cutting tolerance m7 (according to ISO 286 fit system)
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For through-hole drilling

Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm
256162.0005	3	23	28	66	6	36	256162.0310	8.9	49	61	103	10	40
256162.0010	3.1	23	28	66	6	36	256162.0315	9	49	61	103	10	40
256162.0015	3.2	23	28	66	6	36	256162.0320	9.1	49	61	103	10	40
256162.0020	3.3	23	28	66	6	36	256162.0325	9.2	49	61	103	10	40
256162.0025	3.4	23	28	66	6	36	256162.0330	9.3	49	61	103	10	40
256162.0030	3.5	23	28	66	6	36	256162.0335	9.4	49	61	103	10	40
256162.0035	3.6	23	28	66	6	36	256162.0340	9.5	49	61	103	10	40
256162.0040	3.7	23	28	66	6	36	256162.0345	9.6	49	61	103	10	40
256162.0045	3.8	29	36	74	6	36	256162.0350	9.7	49	61	103	10	40
256162.0050	3.9	29	36	74	6	36	256162.0355	9.8	49	61	103	10	40
256162.0055	4	29	36	74	6	36	256162.0360	9.9	49	61	103	10	40
256162.0060	4.1	29	36	74	6	36	256162.0365	10	49	61	103	10	40
256162.0065	4.2	29	36	74	6	36	256162.0370	10.1	56	71	118	12	45
256162.0070	4.3	29	36	74	6	36	256162.0375	10.2	56	71	118	12	45
256162.0075	4.4	29	36	74	6	36	256162.0380	10.3	56	71	118	12	45
256162.0080	4.5	29	36	74	6	36	256162.0385	10.4	56	71	118	12	45
256162.0085	4.6	29	36	74	6	36	256162.0390	10.5	56	71	118	12	45
256162.0090	4.65	29	36	74	6	36	256162.0395	10.6	56	71	118	12	45
256162.0095	4.7	29	36	74	6	36	256162.0400	10.7	56	71	118	12	45
256162.0100	4.8	35	44	82	6	36	256162.0405	10.8	56	71	118	12	45
256162.0105	4.9	35	44	82	6	36	256162.0410	10.9	56	71	118	12	45
256162.0110	5	35	44	82	6	36	256162.0415	11	56	71	118	12	45
256162.0115	5.1	35	44	82	6	36	256162.0420	11.1	56	71	118	12	45
256162.0120	5.2	35	44	82	6	36	256162.0425	11.2	56	71	118	12	45
256162.0125	5.3	35	44	82	6	36	256162.0430	11.3	56	71	118	12	45
256162.0130	5.4	35	44	82	6	36	256162.0435	11.4	56	71	118	12	45
256162.0135	5.5	35	44	82	6	36	256162.0440	11.5	56	71	118	12	45
256162.0140	5.55	35	44	82	6	36	256162.0445	11.6	56	71	118	12	45
256162.0145	5.6	35	44	82	6	36	256162.0450	11.7	56	71	118	12	45
256162.0150	5.7	35	44	82	6	36	256162.0455	11.8	56	71	118	12	45
256162.0155	5.8	35	44	82	6	36	256162.0460	11.9	56	71	118	12	45
256162.0160	5.9	35	44	82	6	36	256162.0465	12	56	71	118	12	45
256162.0165	6	35	44	82	6	36	256162.0470	12.2	60	77	124	14	45
256162.0170	6.1	43	53	91	8	36	256162.0475	12.3	60	77	124	14	45
256162.0175	6.2	43	53	91	8	36	256162.0480	12.5	60	77	124	14	45
256162.0180	6.3	43	53	91	8	36	256162.0485	12.8	60	77	124	14	45
256162.0185	6.4	43	53	91	8	36	256162.0490	13	60	77	124	14	45
256162.0190	6.5	43	53	91	8	36	256162.0495	13.2	60	77	124	14	45
256162.0195	6.6	43	53	91	8	36	256162.0500	13.5	60	77	124	14	45
256162.0200	6.7	43	53	91	8	36	256162.0505	13.8	60	77	124	14	45
256162.0205	6.8	43	53	91	8	36	256162.0510	14	60	77	124	14	45
256162.0210	6.9	43	53	91	8	36	256162.0515	14.2	63	83	133	16	45
256162.0215	7	43	53	91	8	36	256162.0520	14.5	63	83	133	16	48
256162.0220	7.1	43	53	91	8	36	256162.0525	14.8	63	83	133	16	48
256162.0225	7.2	43	53	91	8	36	256162.0530	15	63	83	133	16	48
256162.0230	7.3	43	53	91	8	36	256162.0535	15.1	63	83	133	16	48
256162.0235	7.4	43	53	91	8	36	256162.0540	15.2	63	83	133	16	48
256162.0240	7.5	43	53	91	8	36	256162.0545	15.5	63	83	133	16	48
256162.0245	7.6	43	53	91	8	36	256162.0550	15.8	63	83	133	16	48
256162.0250	7.7	43	53	91	8	36	256162.0555	16	63	83	133	16	48
256162.0255	7.8	43	53	91	8	36	256162.0560	16.5	71	93	143	18	48
256162.0260	7.9	43	53	91	8	36	256162.0565	16.8	71	93	143	18	48
256162.0265	8	43	53	91	8	36	256162.0570	17	71	93	143	18	48
256162.0270	8.1	49	61	103	10	40	256162.0575	17.5	71	93	143	18	48
256162.0275	8.2	49	61	103	10	40	256162.0580	17.8	71	93	143	18	48
256162.0280	8.3	49	61	103	10	40	256162.0585	18	71	93	143	18	48
256162.0285	8.4	49	61	103	10	40	256162.0590	18.5	77	101	153	20	50
256162.0290	8.5	49	61	103	10	40	256162.0595	19	77	101	153	20	50
256162.0295	8.6	49	61	103	10	40	256162.0600	19.5	77	101	153	20	50
256162.0300	8.7	49	61	103	10	40	256162.0605	20	77	101	153	20	50
256162.0305	8.8	49	61	103	10	40							

NERIOX



251130 NERIOX Centre drill 60°

HSS

DIN 333

Ø 0.5-10

P

M

K

N

S

H

O

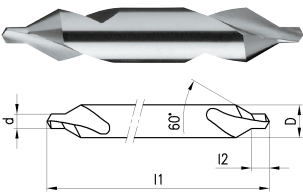
A

Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 333, Nominal size Ø 0.5 - 10 mm
Secondary application: Steel (ISO-P), Main application: Non-ferrous metals (ISO N), For center drilling (Form A)

* only one-sided

Order ID	d mm	D mm	l2 mm	l1 mm	Order ID	d mm	D mm	l2 mm	l1 mm
251130.0100	0.5*	3.15	0.8	25	251130.0800	3.15	8	3.9	50
251130.0200	0.8*	3.15	1.1	25	251130.0900	4.0	10	5	56
251130.0300	1.0	3.15	1.3	31.5	251130.1000	5.0	12.5	6.3	63
251130.0400	1.25	3.15	1.6	31.5	251130.1100	6.3	16	8	71
251130.0500	1.6	4	2	35.5	251130.1200	8.0	20	10.1	80
251130.0600	2.0	5	2.5	40	251130.1300	10.0	25	12.8	100
251130.0700	2.5	6.3	3.1	45					

NERIOX



251131 NERIOX Centre drill 60°

HSS-E Co8

DIN 333

Ø 0.5-6.3

P

M

K

N

S

H

O

A

Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with cylindrical shank, According to DIN 333, Nominal size Ø 0.5 - 6.3 mm

Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Main application: Non-ferrous metals (ISO N), For center drilling (Form A)

* only one-sided

Order ID	d mm	D mm	l2 mm	l1 mm	Order ID	d mm	D mm	l2 mm	l1 mm
251131.0100	0.5*	3.15	0.8	25	251131.0700	2.5	6.3	3.1	45
251131.0200	0.8*	3.15	1.1	25	251131.0800	3.15	8	3.9	50
251131.0300	1	3.15	1.3	31.5	251131.0900	4	10	5	56
251131.0400	1.25	3.15	1.6	31.5	251131.1000	5	12.5	6.3	63
251131.0500	1.6	4	2	35.5	251131.1100	6.3	16	8	71
251131.0600	2	5	2.5	40					

254191 NERIOX Twist drill

Type N, DIN 338, roll-forged

HSS

DIN 338

Ø 1-13

118°

P
O

M

K

N
O

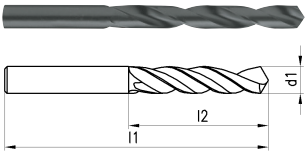
S

H

O



NERIOX



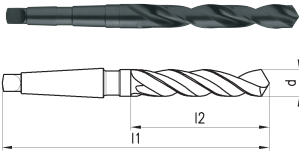
Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 338, Nominal size Ø 1 - 13 mm, Tip angle 118°
Secondary application: Steel (ISO-P), Secondary application: Non-ferrous metals (ISO N), For through-hole drilling

Application

For drilling with hand held drills in steel and non-ferrous materials.

Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm
254191.0050	1	12	34	254191.1700	4.3	47	80	254191.3350	7.6	75	117
254191.0100	1.1	14	36	254191.1750	4.4	47	80	254191.3400	7.7	75	117
254191.0150	1.2	16	38	254191.1800	4.5	47	80	254191.3450	7.8	75	117
254191.0200	1.3	16	38	254191.1850	4.6	47	80	254191.3500	7.9	75	117
254191.0250	1.4	18	40	254191.1900	4.7	47	80	254191.3550	8	75	117
254191.0300	1.5	18	40	254191.1950	4.8	52	86	254191.3600	8.1	75	117
254191.0350	1.6	20	43	254191.2000	4.9	52	86	254191.3650	8.2	75	117
254191.0400	1.7	20	43	254191.2050	5	52	86	254191.3700	8.3	75	117
254191.0450	1.8	22	46	254191.2100	5.1	52	86	254191.3750	8.4	75	117
254191.0500	1.9	22	46	254191.2150	5.2	52	86	254191.3800	8.5	75	117
254191.0550	2	24	49	254191.2200	5.3	52	86	254191.3850	8.6	81	125
254191.0600	2.1	24	49	254191.2250	5.4	57	93	254191.3900	8.7	81	125
254191.0650	2.2	27	53	254191.2300	5.5	57	93	254191.3950	8.8	81	125
254191.0700	2.3	27	53	254191.2350	5.6	57	93	254191.4000	8.9	81	125
254191.0750	2.4	30	57	254191.2400	5.7	57	93	254191.4050	9	81	125
254191.0800	2.5	30	57	254191.2450	5.8	57	93	254191.4100	9.1	81	125
254191.0850	2.6	30	57	254191.2500	5.9	57	93	254191.4150	9.2	81	125
254191.0900	2.7	33	61	254191.2550	6	57	93	254191.4200	9.3	81	125
254191.0950	2.8	33	61	254191.2600	6.1	63	101	254191.4250	9.4	81	125
254191.1000	2.9	33	61	254191.2650	6.2	63	101	254191.4300	9.5	81	125
254191.1050	3	33	61	254191.2700	6.3	63	101	254191.4350	9.6	87	133
254191.1100	3.1	36	65	254191.2750	6.4	63	101	254191.4400	9.7	87	133
254191.1150	3.2	36	65	254191.2800	6.5	63	101	254191.4450	9.8	87	133
254191.1200	3.3	36	65	254191.2850	6.6	63	101	254191.4500	9.9	87	133
254191.1250	3.4	39	70	254191.2900	6.7	63	101	254191.4550	10	87	133
254191.1300	3.5	39	70	254191.2950	6.8	69	109	254191.4600	10.2	87	133
254191.1350	3.6	39	70	254191.3000	6.9	69	109	254191.4650	10.5	87	133
254191.1400	3.7	39	70	254191.3050	7	69	109	254191.4750	11	94	142
254191.1450	3.8	43	75	254191.3100	7.1	69	109	254191.4850	11.5	94	142
254191.1500	3.9	43	75	254191.3150	7.2	69	109	254191.4950	12	101	151
254191.1550	4	43	75	254191.3200	7.3	69	109	254191.5050	12.5	101	151
254191.1600	4.1	43	75	254191.3250	7.4	69	109	254191.5150	13	101	151
254191.1650	4.2	43	75	254191.3300	7.5	69	109				

NERIOX



254351 NERIOX Morse taper shank drill

HSS

DIN 345

Ø 13-30

118°

P

M

K

N

S

H

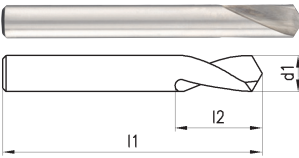
O

Made of HSS (High Speed Steel), with MK (Morse taper) holder, According to DIN 345, Nominal size Ø 13 - 30 mm, Tip angle 118°
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For through-hole drilling

Application
Standard drills for steel, cast iron and non ferrous materials.

Order ID	d mm	l2 mm	l1 mm	MT	Order ID	d mm	l2 mm	l1 mm	MT
254351.0170	13	101	182	1	254351.0430	19	135	233	2
254351.0200	13.5	108	189	1	254351.0450	19.5	140	238	2
254351.0210	13.75	108	189	1	254351.0460	19.75	140	238	2
254351.0230	14	108	189	1	254351.0470	20	140	238	2
254351.0250	14.5	114	212	2	254351.0490	20.5	145	243	2
254351.0260	14.75	114	212	2	254351.0510	21	145	243	2
254351.0270	15	114	212	2	254351.0530	21.5	150	248	2
254351.0280	15.25	120	218	2	254351.0540	21.75	150	248	2
254351.0290	15.5	120	218	2	254351.0550	22	150	248	2
254351.0300	15.75	120	218	2	254351.0570	22.5	155	253	2
254351.0310	16	120	218	2	254351.0590	23	155	253	2
254351.0320	16.25	125	223	2	254351.0610	23.5	155	276	3
254351.0330	16.5	125	223	2	254351.0630	24	160	281	3
254351.0340	16.75	125	223	2	254351.0650	24.5	160	281	3
254351.0350	17	125	223	2	254351.0670	25	160	281	3
254351.0360	17.25	130	228	2	254351.0710	26	165	286	3
254351.0370	17.5	130	228	2	254351.0750	27	170	291	3
254351.0380	17.75	130	228	2	254351.0790	28	170	291	3
254351.0390	18	130	228	2	254351.0830	29	175	296	3
254351.0410	18.5	135	233	2	254351.0870	30	175	296	3

NERIOX



250103 NERIOX NC spotting drill 120°

HSS-E Co8

Ø 6-16

120°

P

M

K

N

S

H

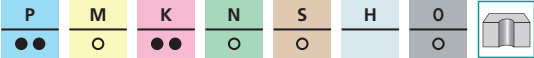
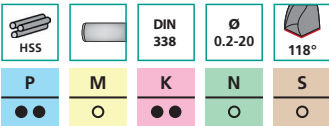
O

Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with cylindrical shank, Nominal size Ø 6 - 16 mm, Tip angle 120°
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For NC spot drilling

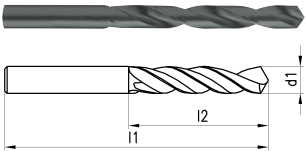
Application:
For fast and accurate spot drilling with NC/CNC machines and machining centres.

Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm
250103.0100	6	20	66	250103.0400	12	30	102
250103.0200	8	25	79	250103.0500	16	35	115
250103.0300	10	25	89				

254001 NERIOX Twist drill



NERIOX



Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 338, Nominal size Ø 0.2 - 20 mm, Tip angle 118°

Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Plastics and other materials (ISO O), For through-hole drilling

Application:

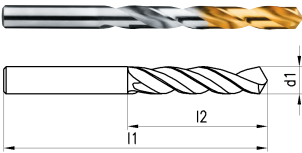
Standard drills for drilling steel and cast steel (alloyed and unalloyed), cast iron, malleable cast iron, ductile cast iron, sintered iron, etc.

1 pack contains: 0.2...00.95 mm: 10 pieces

Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm
254001.0010	0.2	2	19	254001.0720	3.75	39	70	254001.1430	9.5	81	125
254001.0020	0.25	3	19	254001.0730	3.8	43	75	254001.1440	9.6	87	133
254001.0030	0.3	3	19	254001.0740	3.85	43	75	254001.1450	9.7	87	133
254001.0040	0.35	4	19	254001.0750	3.9	43	75	254001.1460	9.75	87	133
254001.0050	0.4	5	20	254001.0760	3.95	43	75	254001.1470	9.8	87	133
254001.0060	0.45	5	20	254001.0770	4	43	75	254001.1480	9.9	87	133
254001.0070	0.5	6	22	254001.0780	4.1	43	75	254001.1490	10	87	133
254001.0080	0.55	7	24	254001.0790	4.2	43	75	254001.1500	10.1	87	133
254001.0090	0.6	7	24	254001.0800	4.25	43	75	254001.1510	10.2	87	133
254001.0100	0.65	8	26	254001.0810	4.3	47	80	254001.1520	10.25	87	133
254001.0110	0.7	9	28	254001.0820	4.4	47	80	254001.1530	10.3	87	133
254001.0120	0.75	9	28	254001.0830	4.5	47	80	254001.1540	10.4	87	133
254001.0130	0.8	10	30	254001.0840	4.6	47	80	254001.1550	10.5	87	133
254001.0140	0.85	10	30	254001.0850	4.7	47	80	254001.1560	10.6	87	133
254001.0150	0.9	11	32	254001.0860	4.75	47	80	254001.1570	10.7	94	142
254001.0160	0.95	11	32	254001.0870	4.8	52	86	254001.1580	10.75	94	142
254001.0170	1	12	34	254001.0880	4.9	52	86	254001.1590	10.8	94	142
254001.0180	1.05	12	34	254001.0890	5	52	86	254001.1600	10.9	94	142
254001.0190	1.1	14	36	254001.0900	5.1	52	86	254001.1610	11	94	142
254001.0200	1.15	14	36	254001.0910	5.2	52	86	254001.1620	11.1	94	142
254001.0210	1.2	16	38	254001.0920	5.25	52	86	254001.1630	11.2	94	142
254001.0220	1.25	16	38	254001.0930	5.3	52	86	254001.1640	11.25	94	142
254001.0230	1.3	16	38	254001.0940	5.4	57	93	254001.1650	11.3	94	142
254001.0240	1.35	18	40	254001.0950	5.5	57	93	254001.1660	11.4	94	142
254001.0250	1.4	18	40	254001.0960	5.6	57	93	254001.1670	11.5	94	142
254001.0260	1.45	18	40	254001.0970	5.7	57	93	254001.1680	11.6	94	142
254001.0270	1.5	18	40	254001.0980	5.75	57	93	254001.1690	11.7	94	142
254001.0280	1.55	20	43	254001.0990	5.8	57	93	254001.1700	11.75	94	142
254001.0290	1.6	20	43	254001.1000	5.9	57	93	254001.1710	11.8	94	142
254001.0300	1.65	20	43	254001.1010	6	57	93	254001.1720	11.9	101	151
254001.0310	1.7	20	43	254001.1020	6.1	63	101	254001.1730	12	101	151
254001.0320	1.75	22	46	254001.1030	6.2	63	101	254001.1740	12.1	101	151
254001.0330	1.8	22	46	254001.1040	6.25	63	101	254001.1750	12.2	101	151
254001.0340	1.85	22	46	254001.1050	6.3	63	101	254001.1760	12.25	101	151
254001.0350	1.9	22	46	254001.1060	6.4	63	101	254001.1770	12.3	101	151
254001.0360	1.95	24	49	254001.1070	6.5	63	101	254001.1780	12.4	101	151
254001.0370	2	24	49	254001.1080	6.6	63	101	254001.1790	12.5	101	151
254001.0380	2.05	24	49	254001.1090	6.7	63	101	254001.1800	12.6	101	151
254001.0390	2.1	24	49	254001.1100	6.75	69	109	254001.1810	12.7	101	151
254001.0400	2.15	27	53	254001.1110	6.8	69	109	254001.1820	12.75	101	151
254001.0410	2.2	27	53	254001.1120	6.9	69	109	254001.1830	12.8	101	151
254001.0420	2.25	27	53	254001.1130	7	69	109	254001.1840	12.9	101	151
254001.0430	2.3	27	53	254001.1140	7.1	69	109	254001.1850	13	101	151
254001.0440	2.35	27	53	254001.1150	7.2	69	109	254001.1860	13.1	101	151
254001.0450	2.4	30	57	254001.1160	7.25	69	109	254001.1870	13.2	101	151
254001.0460	2.45	30	57	254001.1170	7.3	69	109	254001.1880	13.25	108	160
254001.0470	2.5	30	57	254001.1180	7.4	69	109	254001.1890	13.3	108	160
254001.0480	2.55	30	57	254001.1190	7.5	69	109	254001.1900	13.4	108	160
254001.0490	2.6	30	57	254001.1200	7.6	75	117	254001.1910	13.5	108	160
254001.0500	2.65	30	57	254001.1210	7.7	75	117	254001.1920	13.6	108	160
254001.0510	2.7	33	61	254001.1220	7.75	75	117	254001.1930	13.7	108	160
254001.0520	2.75	33	61	254001.1230	7.8	75	117	254001.1940	13.75	108	160
254001.0530	2.8	33	61	254001.1240	7.9	75	117	254001.1950	13.8	108	160
254001.0540	2.85	33	61	254001.1250	8	75	117	254001.1960	13.9	108	160
254001.0550	2.9	33	61	254001.1260	8.1	75	117	254001.1970	14	108	160
254001.0560	2.95	33	61	254001.1270	8.2	75	117	254001.1980	14.25	114	169
254001.0570	3	33	61	254001.1280	8.25	75	117	254001.1990	14.5	114	169
254001.0580	3.05	36	65	254001.1290	8.3	75	117	254001.2000	14.75	114	169
254001.0590	3.1	36	65	254001.1300	8.4	75	117	254001.2010	15	114	169
254001.0600	3.15	36	65	254001.1310	8.5	75	117	254001.2020	15.25	120	178
254001.0610	3.2	36	65	254001.1320	8.6	81	125	254001.2030	15.5	120	178
254001.0620	3.25	36	65	254001.1330	8.7	81	125	254001.2040	15.75	120	178
254001.0630	3.3	36	65	254001.1340	8.75	81	125	254001.2050	16	120	178
254001.0640	3.35	36	65	254001.1350	8.8	81	125	254001.2060	16.5	125	184
254001.0650	3.4	39	70	254001.1360	8.9	81	125	254001.2070	17	125	184
254001.0660	3.45	39	70	254001.1370	9	81	125	254001.2080	17.5	130	191
254001.0670	3.5	39	70	254001.1380	9.1	81	125	254001.2090	18	130	191
254001.0680	3.55	39	70	254001.1390	9.2	81	125	254001.2100	18.5	135	198
254001.0690	3.6	39	70	254001.1400	9.25	81	125	254001.2110	19	135	198
254001.0700	3.65	39	70	254001.1410	9.3	81	125	254001.2120	19.5	140	205
254001.0710	3.7	39	70	254001.1420	9.4	81	125	254001.2130	20	140	205



254031 NERIOX Twist drill



HSS

TiN

DIN 338

Ø 1-13

118°

P

M

K

N

S

H

O

Made of HSS (High Speed Steel), TiN coating, with cylindrical shank, According to DIN 338, Nominal size Ø 1 - 13 mm, Tip angle 118°
Main application: Steel (ISO-P), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For through-hole drilling

Application

Standard drill for drilling steel and cast steel (alloyed and unalloyed), cast iron, malleable cast iron, spherical graphite iron, sintered iron, etc.

Order ID	d1 mm	l2 mm	l1 mm	Packaging unit pieces	Order ID	d1 mm	l2 mm	l1 mm	Packaging unit pieces
254031.0100	1	12	34	10	254031.6110	7.1	69	109	10
254031.0200	1.1	14	36	10	254031.6120	7.2	69	109	10
254031.0300	1.2	16	38	10	254031.6130	7.3	69	109	10
254031.0400	1.3	16	38	10	254031.6140	7.4	69	109	10
254031.0500	1.4	18	40	10	254031.6200	7.5	69	109	10
254031.0600	1.5	18	40	10	254031.6260	7.6	75	117	10
254031.0700	1.6	20	43	10	254031.6270	7.7	75	117	10
254031.0800	1.7	20	43	10	254031.6300	7.8	75	117	10
254031.0900	1.8	22	46	10	254031.6390	7.9	75	117	10
254031.1000	1.9	22	46	10	254031.6400	8	75	117	10
254031.1100	2	24	49	10	254031.6410	8.1	75	117	5
254031.1200	2.1	24	49	10	254031.6420	8.2	75	117	5
254031.1300	2.2	27	53	10	254031.6430	8.3	75	117	5
254031.1400	2.3	27	53	10	254031.6440	8.4	75	117	5
254031.1500	2.4	30	57	10	254031.6500	8.5	75	117	5
254031.1600	2.5	30	57	10	254031.6560	8.6	81	125	5
254031.1700	2.6	30	57	10	254031.6570	8.7	81	125	5
254031.1800	2.7	33	61	10	254031.6580	8.8	81	125	5
254031.1900	2.8	33	61	10	254031.6590	8.9	81	125	5
254031.2000	2.9	33	61	10	254031.6600	9	81	125	5
254031.2100	3	33	61	10	254031.6610	9.1	81	125	5
254031.2200	3.1	36	65	10	254031.6620	9.2	81	125	5
254031.2300	3.2	36	65	10	254031.6630	9.3	81	125	5
254031.2400	3.3	36	65	10	254031.6640	9.4	81	125	5
254031.2500	3.4	39	70	10	254031.6700	9.5	81	125	5
254031.2600	3.5	39	70	10	254031.6760	9.6	87	133	5
254031.2700	3.6	39	70	10	254031.6770	9.7	87	133	5
254031.2800	3.7	39	70	10	254031.6780	9.8	87	133	5
254031.2900	3.8	43	75	10	254031.6790	9.9	87	133	5
254031.3000	3.9	43	75	10	254031.6800	10	87	133	5
254031.3100	4	43	75	10	254031.6810	10.1	87	133	5
254031.3200	4.1	43	75	10	254031.6930	10.3	87	133	5
254031.3300	4.2	43	75	10	254031.6940	10.4	87	133	5
254031.3400	4.3	47	80	10	254031.6900	10.2	87	133	5
254031.3500	4.4	47	80	10	254031.7000	10.5	87	133	5
254031.3600	4.5	47	80	10	254031.7060	10.6	87	133	5
254031.3700	4.6	47	80	10	254031.7070	10.7	94	142	5
254031.3800	4.7	47	80	10	254031.7080	10.8	94	142	5
254031.3900	4.8	52	86	10	254031.7090	10.9	94	142	5
254031.4000	4.9	52	86	10	254031.7100	11	94	142	5
254031.4100	5	52	86	10	254031.7110	11.1	94	142	5
254031.4200	5.1	52	86	10	254031.7120	11.2	94	142	5
254031.4300	5.2	52	86	10	254031.7130	11.3	94	142	5
254031.4400	5.3	52	86	10	254031.7140	11.4	94	142	5
254031.4500	5.4	57	93	10	254031.7200	11.5	94	142	5
254031.4600	5.5	57	93	10	254031.7260	11.6	94	142	5
254031.4700	5.6	57	93	10	254031.7270	11.7	94	142	5
254031.4800	5.7	57	93	10	254031.7280	11.8	94	142	5
254031.4900	5.8	57	93	10	254031.7290	11.9	101	151	5
254031.5000	5.9	57	93	10	254031.7300	12	101	151	5
254031.5100	6	57	93	10	254031.7310	12.1	101	151	5
254031.5200	6.1	63	101	10	254031.7320	12.2	101	151	5
254031.5300	6.2	63	101	10	254031.7330	12.3	101	151	5
254031.5400	6.3	63	101	10	254031.7340	12.4	101	151	5
254031.5500	6.4	63	101	10	254031.7400	12.5	101	151	5
254031.5600	6.5	63	101	10	254031.7460	12.6	101	151	5
254031.5700	6.6	63	101	10	254031.7470	12.7	101	151	5
254031.5800	6.7	63	101	10	254031.7480	12.8	101	151	5
254031.5900	6.8	69	109	10	254031.7490	12.9	101	151	5
254031.6000	6.9	69	109	10	254031.7500	13	101	151	5
254031.6100	7	69	109	10					

250101 NERIOX NC spotting drill 90°



HSS-E
Co8



Ø

3-20

90°

P

M

K

N

S

H

O



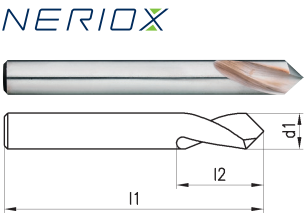
O

O

O

O

Made of HSS-E Co8 (High Speed Steel, contains approximately 8% cobalt), with cylindrical shank, Nominal size Ø 3 - 20 mm, Tip angle 90°
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For NC spot drilling

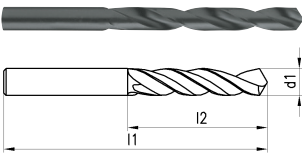


Application:

For fast and accurate spot drilling with NC/CNC machines and machining centres. The version with the 90° tip angle allows both centring and pre-drilling for the next-largest diameter.

Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm
250101.0100	3	12	46	250101.0600	10	25	88
250101.0200	4	12	55	250101.0700	12	30	102
250101.0300	5	15	60	250101.0800	16	35	115
250101.0400	6	20	66	250101.0900	20	40	131
250101.0500	8	25	79				

NERIOX



254003 NERIOX Twist drill

Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 338, Nominal size Ø 0.5 - 14 mm, Tip angle 118°

Main application: Steel (ISO-P), Secondary application: Non-ferrous metals (ISO N), For through-hole drilling

Application:
Standard drills for drilling steel.

Order ID	d1 mm	l2 mm	l1 mm	Packaging unit pieces	Order ID	d1 mm	l2 mm	l1 mm	Packaging unit pieces
254003.0010	0.5	6	22	10	254003.0570	6.1	63	101	10
254003.0020	0.6	7	24	10	254003.0580	6.2	63	101	10
254003.0030	0.7	9	28	10	254003.0590	6.3	63	101	10
254003.0040	0.8	10	30	10	254003.0600	6.4	63	101	10
254003.0050	0.9	11	32	10	254003.0610	6.5	63	101	10
254003.0060	1	12	34	10	254003.0620	6.6	63	101	10
254003.0070	1.1	14	36	10	254003.0630	6.7	63	101	10
254003.0080	1.2	16	38	10	254003.0640	6.8	69	109	10
254003.0090	1.3	16	38	10	254003.0650	6.9	69	109	10
254003.0100	1.4	18	40	10	254003.0660	7	69	109	10
254003.0110	1.5	18	40	10	254003.0670	7.1	69	109	10
254003.0120	1.6	20	43	10	254003.0680	7.2	69	109	10
254003.0130	1.7	20	43	10	254003.0690	7.3	69	109	10
254003.0140	1.8	22	46	10	254003.0700	7.4	69	109	10
254003.0150	1.9	22	46	10	254003.0710	7.5	69	109	10
254003.0160	2	24	49	10	254003.0720	7.6	75	117	10
254003.0170	2.1	24	49	10	254003.0730	7.7	75	117	10
254003.0180	2.2	27	53	10	254003.0740	7.8	75	117	10
254003.0190	2.3	27	53	10	254003.0750	7.9	75	117	10
254003.0200	2.4	30	57	10	254003.0760	8	75	117	10
254003.0210	2.5	30	57	10	254003.0770	8.1	75	117	5
254003.0220	2.6	30	57	10	254003.0780	8.2	75	117	5
254003.0230	2.7	33	61	10	254003.0790	8.3	75	117	5
254003.0240	2.8	33	61	10	254003.0800	8.4	75	117	5
254003.0250	2.9	33	61	10	254003.0810	8.5	75	117	5
254003.0260	3	33	61	10	254003.0820	8.6	81	125	5
254003.0270	3.1	36	65	10	254003.0830	8.7	81	125	5
254003.0280	3.2	36	65	10	254003.0840	8.8	81	125	5
254003.0290	3.3	36	65	10	254003.0850	8.9	81	125	5
254003.0300	3.4	39	70	10	254003.0860	9	81	125	5
254003.0310	3.5	39	70	10	254003.0870	9.1	81	125	5
254003.0320	3.6	39	70	10	254003.0880	9.2	81	125	5
254003.0330	3.7	39	70	10	254003.0890	9.3	81	125	5
254003.0340	3.8	43	75	10	254003.0900	9.4	81	125	5
254003.0350	3.9	43	75	10	254003.0910	9.5	81	125	5
254003.0360	4	43	75	10	254003.0920	9.6	87	133	5
254003.0370	4.1	43	75	10	254003.0930	9.7	87	133	5
254003.0380	4.2	43	75	10	254003.0940	9.8	87	133	5
254003.0390	4.3	47	80	10	254003.0950	9.9	87	133	5
254003.0400	4.4	47	80	10	254003.0960	10	87	133	5
254003.0410	4.5	47	80	10	254003.0970	10.1	87	133	1
254003.0420	4.6	47	80	10	254003.0980	10.2	87	133	1
254003.0430	4.7	47	80	10	254003.0990	10.3	87	133	1
254003.0440	4.8	52	86	10	254003.1000	10.4	87	133	1
254003.0450	4.9	52	86	10	254003.1010	10.5	87	133	1
254003.0460	5	52	86	10	254003.1020	10.6	87	133	1
254003.0470	5.1	52	86	10	254003.1030	10.7	94	142	1
254003.0480	5.2	52	86	10	254003.1040	10.8	94	142	1
254003.0490	5.3	52	86	10	254003.1050	10.9	94	142	1
254003.0500	5.4	57	93	10	254003.1060	11	94	142	1
254003.0510	5.5	57	93	10	254003.1070	11.5	94	142	1
254003.0520	5.6	57	93	10	254003.1080	12	101	151	1
254003.0530	5.7	57	93	10	254003.1090	12.5	101	151	1
254003.0540	5.8	57	93	10	254003.1100	13	101	151	1
254003.0550	5.9	57	93	10	254003.1110	13.5	108	160	1
254003.0560	6	57	93	10	254003.1120	14	108	160	1

NERIOX



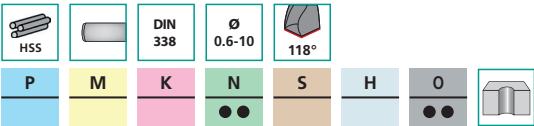
254416 NERIOX Set of twist drills

Made of HSS (High Speed Steel), TIN coating, with cylindrical shank, According to DIN 338, Tip angle 118°

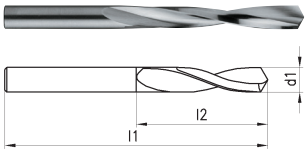
Main application: Steel (ISO-P), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For through-hole drilling

Order ID	Range mm	Increment	Contents pieces
254416.0100	1...10	0.5	19
254416.0200	1...13	0.5	25
254416.0300	1...10.5	0.5	24

254061 NERIOX Twist drill



NERIOX



Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 338, Nominal size Ø 0.6 - 10 mm, Tip angle 118°
Main application: Non-ferrous metals (ISO N), Main application: Plastics and other materials (ISO O), For through-hole drilling

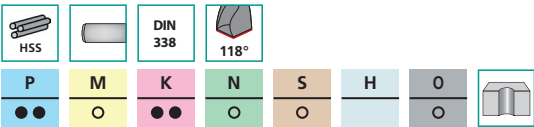
Application

Standard drill for use on brittle, short-chipping nonferrous metals and plastics, e.g. brass, Pertinax, Plexi-glas.

1 pack contains: 0.5...0.9 mm: 10

Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm
254061.0020	0.6	7	24	254061.0200	2.4	30	57	254061.0360	4	43	75
254061.0040	0.8	10	30	254061.0210	2.5	30	57	254061.0370	4.1	43	75
254061.0060	1	12	34	254061.0220	2.6	30	57	254061.0380	4.2	43	75
254061.0070	1.1	14	36	254061.0230	2.7	33	61	254061.0390	4.3	47	80
254061.0080	1.2	16	38	254061.0240	2.8	33	61	254061.0400	4.4	47	80
254061.0090	1.3	16	38	254061.0250	2.9	33	61	254061.0410	4.5	47	80
254061.0100	1.4	18	40	254061.0260	3	33	61	254061.0460	5	52	86
254061.0110	1.5	18	40	254061.0270	3.1	36	65	254061.0510	5.5	57	93
254061.0120	1.6	20	43	254061.0280	3.2	36	65	254061.0560	6	57	93
254061.0130	1.7	20	43	254061.0290	3.3	36	65	254061.0610	6.5	63	101
254061.0140	1.8	22	46	254061.0300	3.4	39	70	254061.0660	7	69	109
254061.0150	1.9	22	46	254061.0310	3.5	39	70	254061.0710	7.5	69	109
254061.0160	2	24	49	254061.0320	3.6	39	70	254061.0760	8	75	117
254061.0170	2.1	24	49	254061.0330	3.7	39	70	254061.0860	9	81	125
254061.0180	2.2	27	53	254061.0340	3.8	43	75	254061.0960	10	87	133
254061.0190	2.3	27	53	254061.0350	3.9	43	75				

254401 NERIOX Set of twist drills



NERIOX

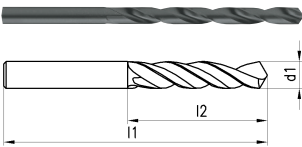
Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 338, Tip angle 118°
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Plastics and other materials (ISO O), For through-hole drilling

Order ID	Assortment	Range mm	Increment	Contents pieces	Dimensions mm
254401.0100	A	1...10	0.5	19	158 x 111 x 35
254401.0200	B	1...13	0.5	25	194 x 111 x 54
254401.0300	C	1...5.9	0.1	50	158 x 98 x 43
254401.0400	D	6...10	0.1	41	197 x 153 x 47
254401.0500	E	1...10.5	0.5	24	194 x 111 x 54





254301 NERIOX Twist drill



HSS

DIN 340

Ø 0.5-20

118°

P

M

K

N

S

H

O

Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 340, Nominal size Ø 0.5 - 20 mm, Tip angle 118°
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For through-hole drilling

Application

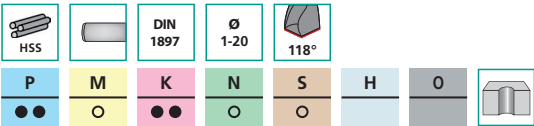
Standard drill for drilling deep holes and drilling through boring bushes. For drilling steel and cast steel (alloyed and unalloyed), cast iron, malleable cast iron, ductile cast iron, sintered iron, etc.

Designs:

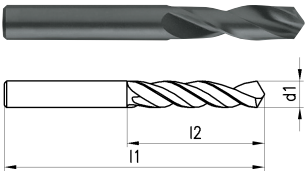
- 0.5 mm: 10 pieces
- 0.6 mm: 10 pieces
- 0.7 mm: 10 pieces
- 0.8 mm: 10 pieces
- 0.9 mm: 10 pieces
- 1 pack contains: 0.5...0.9 mm: 10

Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm
254301.0010	0.5	12	32	254301.0290	3.3	69	106	254301.0570	6.5	97	148
254301.0020	0.6	15	35	254301.0300	3.4	73	112	254301.0580	6.8	102	156
254301.0030	0.7	21	42	254301.0310	3.5	73	112	254301.0590	7	102	156
254301.0040	0.8	25	46	254301.0320	3.6	73	112	254301.0600	7.5	102	156
254301.0050	0.9	29	51	254301.0330	3.7	73	112	254301.0610	7.8	109	165
254301.0060	1	33	56	254301.0340	3.8	78	119	254301.0620	8	109	165
254301.0070	1.1	37	60	254301.0350	3.9	78	119	254301.0630	8.5	109	165
254301.0080	1.2	41	65	254301.0360	4	78	119	254301.0640	8.8	115	175
254301.0090	1.3	41	65	254301.0370	4.1	78	119	254301.0650	9	115	175
254301.0100	1.4	45	70	254301.0380	4.2	78	119	254301.0660	9.5	115	175
254301.0110	1.5	45	70	254301.0390	4.3	82	126	254301.0670	9.8	121	184
254301.0120	1.6	50	76	254301.0400	4.4	82	126	254301.0680	10	121	184
254301.0130	1.7	50	76	254301.0410	4.5	82	126	254301.0690	10.2	121	184
254301.0140	1.8	53	80	254301.0420	4.6	82	126	254301.0700	10.5	121	184
254301.0150	1.9	53	80	254301.0430	4.7	82	126	254301.0710	11	128	195
254301.0160	2	56	85	254301.0440	4.8	87	132	254301.0720	11.5	128	195
254301.0170	2.1	56	85	254301.0450	4.9	87	132	254301.0730	11.8	128	195
254301.0180	2.2	59	90	254301.0460	5	87	132	254301.0740	12	134	205
254301.0190	2.3	59	90	254301.0470	5.1	87	132	254301.0750	12.5	134	205
254301.0200	2.4	62	95	254301.0480	5.2	87	132	254301.0760	13	134	205
254301.0210	2.5	62	95	254301.0490	5.3	87	132	254301.0770	13.5	140	214
254301.0220	2.6	62	95	254301.0500	5.4	91	139	254301.0780	14	140	214
254301.0230	2.7	66	100	254301.0510	5.5	91	139	254301.0790	15	144	220
254301.0240	2.8	66	100	254301.0520	5.6	91	139	254301.0800	16	149	227
254301.0250	2.9	66	100	254301.0530	5.7	91	139	254301.0820	17	154	235
254301.0260	3	66	100	254301.0540	5.8	91	139	254301.0840	18	158	241
254301.0270	3.1	69	106	254301.0550	5.9	91	139	254301.0860	19	162	247
254301.0280	3.2	69	106	254301.0560	6	91	139	254301.0880	20	166	254

254201 NERIOX Twist drill



NERIOX



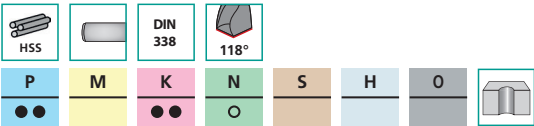
Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 1897, Nominal size Ø 1 - 20 mm, Tip angle 118°
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For through-hole drilling

Application

Short, stable twist drill for use on automatic machines and turret banks. Especially suited also for use in hand drills for drilling thin-walled material (e.g. automobile bodies).

Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm	Order ID	d1 mm	l2 mm	l1 mm
254201.0010	1	6	26	254201.0280	3.7	20	52	254201.0550	7.5	34	74
254201.0020	1.1	7	28	254201.0290	3.8	22	55	254201.0560	7.8	37	79
254201.0030	1.2	8	30	254201.0300	3.9	22	55	254201.0570	8	37	79
254201.0040	1.3	8	30	254201.0310	4	22	55	254201.0580	8.5	37	79
254201.0050	1.4	9	32	254201.0320	4.1	22	55	254201.0590	8.8	40	84
254201.0060	1.5	9	32	254201.0330	4.2	22	55	254201.0600	9	40	84
254201.0070	1.6	10	34	254201.0340	4.3	24	58	254201.0610	9.5	40	84
254201.0080	1.7	10	34	254201.0350	4.4	24	58	254201.0620	9.8	43	89
254201.0090	1.8	11	36	254201.0360	4.5	24	58	254201.0630	10	43	89
254201.0100	1.9	11	36	254201.0370	4.6	24	58	254201.0640	10.2	43	89
254201.0110	2	12	38	254201.0380	4.7	24	58	254201.0650	10.5	43	89
254201.0120	2.1	12	38	254201.0390	4.8	26	62	254201.0670	11	47	95
254201.0130	2.2	13	40	254201.0400	4.9	26	62	254201.0690	11.5	47	95
254201.0140	2.3	13	40	254201.0410	5	26	62	254201.0700	11.8	47	95
254201.0150	2.4	14	43	254201.0420	5.1	26	62	254201.0710	12	51	102
254201.0160	2.5	14	43	254201.0430	5.2	26	62	254201.0730	12.5	51	102
254201.0170	2.6	14	43	254201.0440	5.3	26	62	254201.0740	13	51	102
254201.0180	2.7	16	46	254201.0450	5.4	28	66	254201.0750	13.5	54	107
254201.0190	2.8	16	46	254201.0460	5.5	28	66	254201.0760	14	54	107
254201.0200	2.9	16	46	254201.0470	5.6	28	66	254201.0770	14.5	56	111
254201.0210	3	16	46	254201.0480	5.7	28	66	254201.0780	15	56	111
254201.0220	3.1	18	49	254201.0490	5.8	28	66	254201.0790	15.5	58	115
254201.0230	3.2	18	49	254201.0500	5.9	28	66	254201.0800	16	58	115
254201.0240	3.3	18	49	254201.0510	6	28	66	254201.0810	17	60	119
254201.0250	3.4	20	52	254201.0520	6.5	31	70	254201.0820	18	62	123
254201.0260	3.5	20	52	254201.0530	6.8	34	74	254201.0830	19	64	127
254201.0270	3.6	20	52	254201.0540	7	34	74	254201.0840	20	66	131

254418 NERIOX drill set



NERIOX



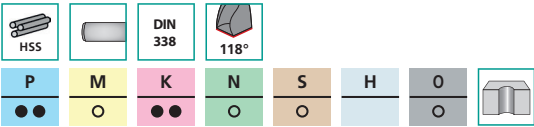
Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 338, Tip angle 118°
Main application: Steel (ISO-P), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For through-hole drilling

Appropriate spare parts:

254001 NERIOX Twist drill

Order ID	Range mm	Increment	Contents pieces	Length mm	Width mm	Height mm	Version
254418.0100	1...10.5	0.5	32	195	115	55	incl. drill: Ø 1.9, 2.1, 2.6, 2.9, 3.2, 3.3, 3.8, 4.2, 5.1, 6.8, 7.9, 10.2

254451 NERIOX Set of twist drills

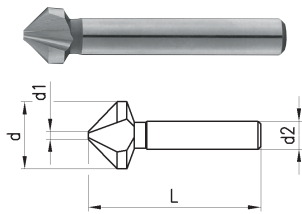


NERIOX



Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 338, Tip angle 118°
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Plastics and other materials (ISO O), For through-hole drilling

Order ID	Range mm	Increment	Contents pieces
254451.0100	1...5.9	0.1	50
254451.0200	6...10	0.1	41



276151 NERIOX Countersink 90°

HSS

DIN 335C

3

90°

P

O

M

O

K

O

N

O

S

O

H

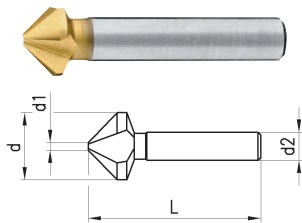
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O

O

Made of HSS (High Speed Steel), with cylindrical shank, According to DIN 335C, Number of teeth 3, Countersink angle 90°
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For countersinking
Tolerance d: z9

Order ID	d	d1	L	d2	Order ID	d	d1	L	d2
	mm	mm	mm	mm		mm	mm	mm	mm
276151.0100	4.3	1.3	40	4	276151.1000	11.5	2.8	55	8
276151.0200	5	1.5	40	4	276151.1100	12.4	2.8	55	8
276151.0300	6	1.5	45	5	276151.1200	15	3.2	60	10
276151.0400	6.3	1.5	45	5	276151.1300	16.5	3.2	60	10
276151.0500	7	1.8	50	6	276151.1400	19	3.5	63	10
276151.0600	8	2	50	6	276151.1500	20.5	3.5	63	10
276151.0700	8.3	2	50	6	276151.1600	23	3.8	65	10
276151.0800	10	2.5	50	6	276151.1700	25	3.8	65	10
276151.0900	10.4	2.5	50	6	276151.1800	31	3.2	70	12



276153 NERIOX Countersink 90°

HSS

TiN

DIN 335C

3

90°

P

●●

M

O

K

O

N

O

S

O

H

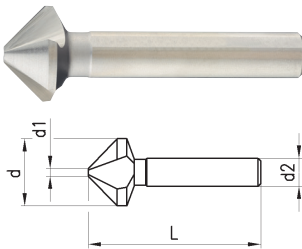
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O

O

Made of HSS (High Speed Steel), TiN coating, with cylindrical shank, According to DIN 335C, Number of teeth 3, Countersink angle 90°
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For countersinking
Tolerance d: z9

Order ID	d	d1	L	d2	Order ID	d	d1	L	d2
	mm	mm	mm	mm		mm	mm	mm	mm
276153.0100	4.3	1.3	40	4	276153.1000	12.4	2.8	55	8
276153.0200	5	1.5	40	4	276153.1100	15	3.2	60	10
276153.0300	6	1.5	45	5	276153.1200	16.5	3.2	60	10
276153.0400	6.3	1.5	45	5	276153.1300	19	3.5	63	10
276153.0500	8	2	50	6	276153.1400	20.5	3.5	63	10
276153.0600	8.3	2	50	6	276153.1500	23	3.8	65	10
276153.0700	10	2.5	50	6	276153.1600	25	3.8	65	10
276153.0800	10.4	2.5	50	6	276153.1700	31	3.2	70	12
276153.0900	11.5	2.8	55	8					



276011 NERIOX Countersink 90°

HSS

DIN 335C

3

90°

P

O

M

O

K

O

N

O

S

O

H

O

O

O

Made of HSS (High Speed Steel), For general use., According to DIN 335C, With three-faced grinding, Number of teeth 3, Countersink angle 90°
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Plastics and other materials (ISO O), For countersinking
Tolerance d: z9

Order ID	d	d1	L	d2
	mm	mm	mm	mm
276011.0100	6.3	1.5	45	5
276011.0200	8.3	2	50	6
276011.0300	10.4	2.5	50	6
276011.0400	12.4	2.8	56	8
276011.0500	16.5	3.2	60	10
276011.0600	20.5	3.5	63	10
276011.0700	25	3.8	67	10
276011.0800	31	4.2	71	12

276041 NERIOX Countersink 90°



HSS



TiN



DIN 335C



3



90°

P

●●

M

○

K

○

N

○

S

H

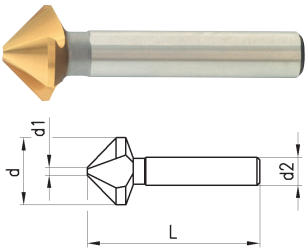
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Made of HSS (High Speed Steel), TiN coating, For general use., According to DIN 335C, With three-faced grinding, Number of teeth 3, Countersink angle 90°
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For countersinking
Tolerance d: z9

Order ID	d mm	d1 mm	L mm	d2 mm
276041.0100	6.3	1.5	45	5
276041.0200	8.3	2	50	6
276041.0300	10.4	2.5	50	6
276041.0400	12.4	2.8	56	8
276041.0500	16.5	3.2	60	10
276041.0600	20.5	3.5	63	10
276041.0700	25	3.8	67	10
276041.0800	31	4.2	71	12

NERIOX



276581 NERIOX Assortment of countersinks 90° TiN



HSS



TiN



DIN 335C



3



90°

P

●●

M

○

K

○

N

○

S

H

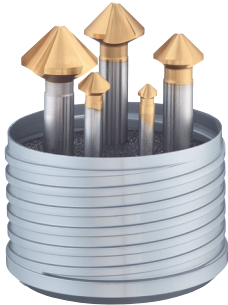
O



Made of HSS (High Speed Steel), TiN coating, According to DIN 335C, With three-faced grinding, Number of teeth 3, Countersink angle 90°
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For countersinking

Order ID	Assortment	Contents, 1 unit each
276581.0100	1	Ø 6.3,10.4,16.5,20.5,25

NERIOX



276012 NERIOX countersink 90°

Anti-vibration



HSS



TiAlN



DIN 335C



3



≠



90°

P

●●

M

●●

K

N

●●

S

H

O

●●



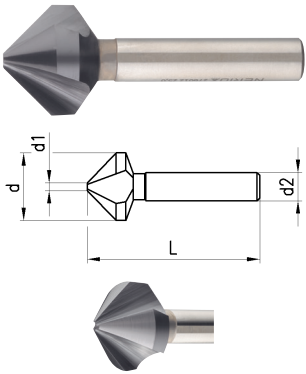
Made of HSS (High Speed Steel), TiAlN coating, According to DIN 335C, With three-faced grinding, Number of teeth 3, with uneven pitch when lowering, Countersink angle 90°
Main application: Steel (ISO-P), Main application: Stainless steel (ISO M), Main application: Non-ferrous metals (ISO N), Main application: Plastics and other materials (ISO O), For countersinking

Features:
Uneven pitch for optimal countersinking results, **with triangular shank**.

Tolerance d: z9

Order ID	d mm	d1 mm	L mm	d2 mm
276012.0100	6.3	1.5	45	5
276012.0200	8.3	2	50	6
276012.0300	10.4	2.5	50	6
276012.0400	12.4	2.8	56	8
276012.0500	16.5	3.2	60	10
276012.0600	20.5	3.5	63	10
276012.0700	25	3.8	67	10
276012.0800	31	4.2	71	12

NERIOX





276013 NERIOX countersink 90°

Anti-vibration

HSS

TiAlN

DIN 335C

3

#

90°

P

M

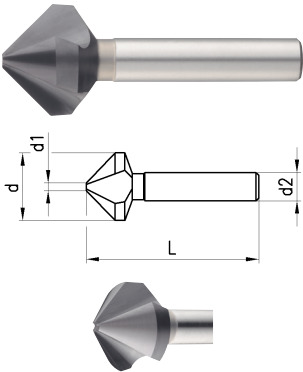
K

N

S

H

O



Made of HSS (High Speed Steel), TiAlN coating, with cylindrical shank, According to DIN 335C, Number of teeth 3, with uneven pitch when lowering, Countersink angle 90°
Main application: Steel (ISO-P), Main application: Stainless steel (ISO M), Main application: Non-ferrous metals (ISO N), Main application: Plastics and other materials (ISO O), For countersinking

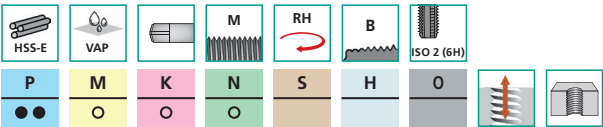
Features:
Uneven pitch for optimal countersinking results

Tolerance d: z9

Order ID	d mm	d1 mm	L mm	d2 mm
276013.0100	4.3	1.3	40	4
276013.0200	6.3	1.5	45	5
276013.0300	8.3	2	50	6
276013.0400	10.4	2.5	50	6
276013.0500	12.4	2.8	56	8
276013.0600	16.5	3.2	60	10
276013.0700	20.5	3.5	63	10
276013.0800	25	3.8	67	10
276013.0900	31	4.2	71	12

264181 NERIOX Machine tap

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), VAP coating, Universally applicable. For synchronous and conventional thread production., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO2 / 6H

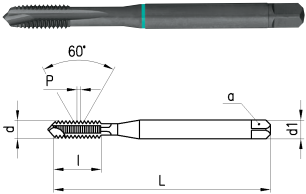
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For tapping, For through-hole threads

Designs:

M3...M10: reinforced shaft, DIN 371

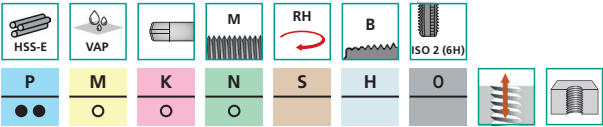
Order ID	d	P	l	L	d1	a	DIN	Ø
	mm	mm	mm	mm	mm	mm		mm
264181.0100	M3	0.5	10	56	3.5	2.7	371	2.5
264181.0200	M4	0.7	12	63	4.5	3.4	371	3.3
264181.0300	M5	0.8	14	70	6	4.9	371	4.2
264181.0400	M6	1	16	80	6	4.9	371	5
264181.0500	M8	1.25	18	90	8	6.2	371	6.8
264181.0600	M10	1.5	20	100	10	8	371	8.5

NERIOX



264186 NERIOX Machine tap

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), VAP coating, Universally applicable., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO2 / 6H

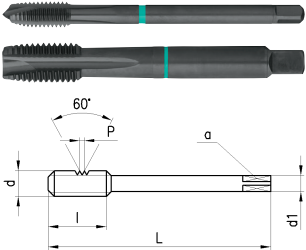
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For tapping, For through-hole threads

Designs:

M3...M36: falling through shaft, DIN 376

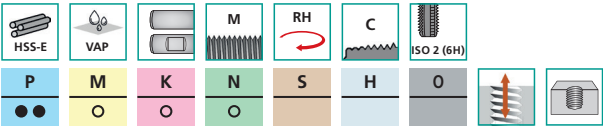
Order ID	d	P	l	L	d1	a	DIN	Ø
	mm	mm	mm	mm	mm	mm		mm
264186.0100	M3	0.5	10	56	2.2	-	376	2.5
264186.0200	M4	0.7	12	63	2.8	2.1	376	3.3
264186.0300	M5	0.8	14	70	3.5	2.7	376	4.2
264186.0400	M6	1	16	80	4.5	3.4	376	5
264186.0500	M8	1.25	18	90	6	4.9	376	6.8
264186.0600	M10	1.5	20	100	7	5.5	376	8.5
264186.0700	M12	1.75	24	110	9	7	376	10.2
264186.0800	M14	2	26	110	11	9	376	12
264186.0900	M16	2	26	110	12	9	376	14
264186.1000	M18	2.5	30	125	14	11	376	15.5
264186.1100	M20	2.5	32	140	16	12	376	17.5
264186.1200	M22	2.5	32	140	18	14.5	376	19.5
264186.1300	M24	3	36	160	18	14.5	376	21
264186.1400	M27	3	36	160	20	16	376	24
264186.1500	M30	3.5	40	180	22	18	376	26.5
264186.1600	M36	4	50	200	28	22	376	32

NERIOX



264191 NERIOX Machine tap

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), VAP coating, Universally applicable., with Weldon shank or cylindrical shank, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO2 / 6H

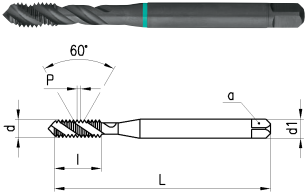
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For tapping, For blind-hole threads

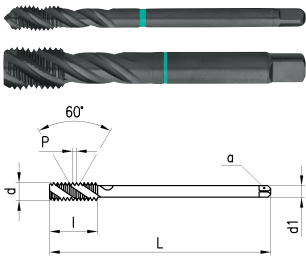
Designs:

M3...M10: reinforced shaft, DIN 371

Order ID	d	P	l	L	d1	a	DIN	Ø
	mm	mm	mm	mm	mm	mm		mm
264191.0100	M3	0.5	6	56	3.5	2.7	371	2.5
264191.0200	M4	0.7	7.5	63	4.5	3.4	371	3.3
264191.0300	M5	0.8	8.5	70	6	4.9	371	4.2
264191.0400	M6	1	11	80	6	4.9	371	5
264191.0500	M8	1.25	14	90	8	6.2	371	6.8
264191.0600	M10	1.5	16	100	10	8	371	8.5

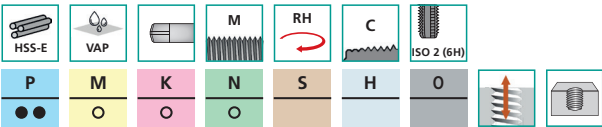
NERIOX





264196 NERIOX Machine tap

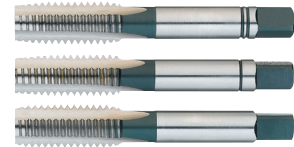
Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), VAP coating, Universally applicable., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO2 / 6H
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For tapping, For blind-hole threads

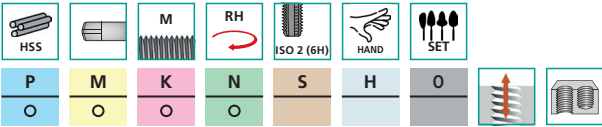
Designs:
M3...M36: falling through shaft, DIN 376

Order ID	d	P	l	L	d1	a	DIN	Ø
		mm	mm	mm	mm	mm		mm
264196.0100	M3	0.5	6	56	2.2	-	376	2.5
264196.0200	M4	0.7	7.5	63	2.8	2.1	376	3.3
264196.0300	M5	0.8	8.5	70	3.5	2.7	376	4.2
264196.0400	M6	1	11	80	4.5	3.4	376	5
264196.0500	M8	1.25	14	90	6	4.9	376	6.8
264196.0600	M10	1.5	16	100	7	5.5	376	8.5
264196.0700	M12	1.75	18.5	110	9	7	376	10.2
264196.0800	M14	2	20	110	11	9	376	12
264196.0900	M16	2	20	110	12	9	376	14
264196.1000	M18	2.5	25	125	14	11	376	15.5
264196.1100	M20	2.5	25	140	16	12	376	17.5
264196.1200	M22	2.5	27	140	18	14.5	376	19.5
264196.1300	M24	3	30	160	18	14.5	376	21
264196.1400	M27	3	30	160	20	16	376	24
264196.1500	M30	3.5	35	180	22	18	376	26.5
264196.1600	M36	4	40	200	28	22	376	32



264381 NERIOX Tap set

Metric ISO thread



Made of HSS (High Speed Steel), For general structural steels, free-cutting steels, heat-treatable steels, high-alloy steels, cast steels up to 900 N/mm²., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread tolerance zone ISO2 / 6H, Manually operated version, delivered as a SET
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For tapping, For through-hole and blind-hole threads

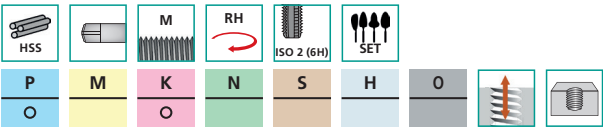
Designs:
M2...M30: falling through shaft, DIN 352

Order ID	d	P	L	l	d1	a	Ø
		mm	mm	mm	mm	mm	mm
264381.0100	M2	0.4	36	8	2.8	2.1	1.6
264381.0200	M2.5	0.45	40	9	2.8	2.1	2.05
264381.0300	M3	0.5	40	10	3.5	2.7	2.5
264381.0400	M4	0.7	45	12	4.5	3.4	3.3
264381.0500	M5	0.8	50	14	6	4.9	4.2
264381.0600	M6	1	56	16	6	4.9	5
264381.0700	M8	1.25	63	20	6	4.9	6.8
264381.0800	M10	1.5	70	22	7	5.5	8.5
264381.0900	M12	1.75	75	24	9	7	10.2
264381.0950	M14	2	80	26	11	9	12
264381.1000	M16	2	80	27	12	9	14
264381.1100	M18	2.5	95	30	14	11	15.5
264381.1200	M20	2.5	95	32	16	12	17.5
264381.1300	M22	2.5	95	32	18	14.5	19.5
264381.1400	M24	3	110	34	18	14.5	21
264381.1500	M27	3	110	36	20	16	24
264381.1600	M30	3.5	125	40	22	18	26.5

264472 NERIOX Tap set M3 - M12

NERIOX

Metric ISO thread



Made of HSS (High Speed Steel), with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread tolerance zone ISO2 / 6H, delivered as a SET
Secondary application: Steel (ISO-P), Secondary application: Cast materials (ISO K), For tapping, For blind-hole threads

Content:

1 tap in each size M3; M4; M5; M6; M8; M10; M12
and tapping drills size 2.5; 3.3; 4.2; 5; 6.8; 8.5; 10.2mm.
In a case.

Designs:

reinforced/falling trough shaft, DIN 371 / 376

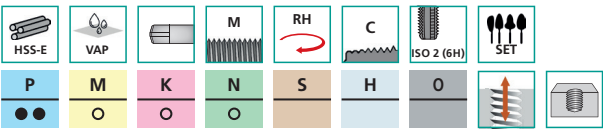
Order ID	Size	Standard
264472.0100	M3 - M12	DIN 371 / DIN 376



264496 NERIOX Tap set

NERIOX

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), VAP coating, Universally applicable., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO2 / 6H, delivered as a SET
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For tapping, For blind-hole threads

Designs:

reinforced/falling trough shaft, DIN 371 / 376

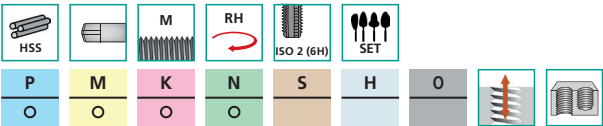
Order ID	Size
264496.0100	M5...M12



264471 NERIOX Hand tap set M3 - M12

NERIOX

Metric ISO thread



Made of HSS (High Speed Steel), with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread tolerance zone ISO2 / 6H, delivered as a SET
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For tapping, For through-hole and blind-hole threads

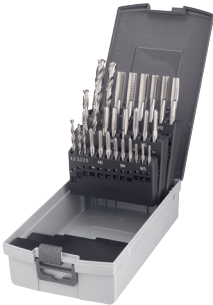
Content:

3-piece hand tap sets M3; M4; M5; M6; M8; M10; M12
and tapping drills size 2.5; 3.3; 4.2; 5; 6.8; 8.5; 10.2mm.
In a case.

Designs:

reinforced/falling trough shaft, DIN 371 / 376

Order ID	Size	DIN
264471.0100	M3 - M12	352

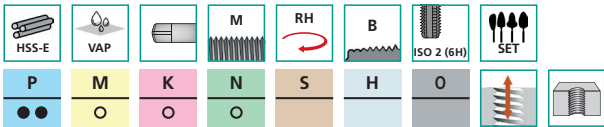


NERIOX



264491 NERIOX Tap set

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), VAP coating, Universally applicable., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO2 / 6H, delivered as a SET
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For tapping, For through-hole threads

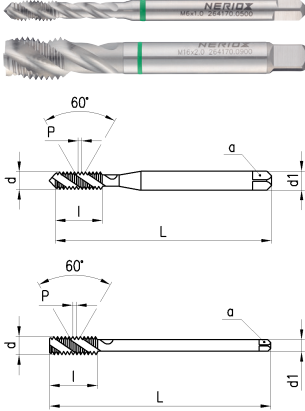
Designs:
reinforced/falling trough shaft, DIN 371 / 376

Order ID	Size
264491.0100	M5...M12

NERIOX

264170 NERIOX Machine tap

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), Universally suitable for all material groups., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Number of teeth 3, Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO2 / 6H

Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For tapping, For blind-hole threads

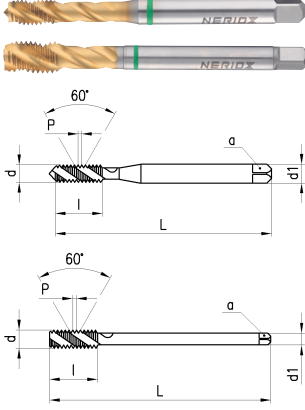
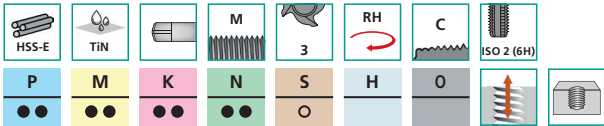
Designs:
M2...M10: **UNI**, reinforced shaft, DIN 371
M12...M16: **UNI**, falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264170.0100	M2	0.4	45	2.8	8	2.1	1.6
264170.0200	M3	0.5	56	3.5	6	2.7	2.5
264170.0300	M4	0.7	63	4.5	7	3.4	3.3
264170.0400	M5	0.8	70	6	8	4.9	4.2
264170.0500	M6	1	80	6	10	4.9	5
264170.0600	M8	1.25	90	8	13	6.2	6.8
264170.0700	M10	1.5	100	10	15	8	8.5
264170.0800	M12	1.75	110	9	18	7	10.2
264170.0900	M16	2	110	12	20	9	14

NERIOX

264171 NERIOX Machine tap

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), TiN coating, Universally suitable for all material groups., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Number of teeth 3, Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO2 / 6H

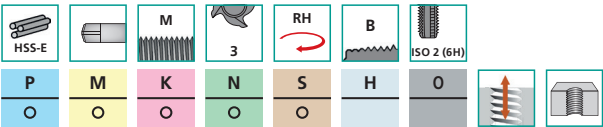
Main application: Steel (ISO-P), Main application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Main application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For tapping, For blind-hole threads

Designs:
M2...M10: **UNI**, reinforced shaft, DIN 371
M12...M16: **UNI**, falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264171.0100	M2	0.4	45	2.8	8	2.1	1.6
264171.0200	M3	0.5	56	3.5	6	2.7	2.5
264171.0300	M4	0.7	63	4.5	7	3.4	3.3
264171.0400	M5	0.8	70	6	8	4.9	4.2
264171.0500	M6	1	80	6	10	4.9	5
264171.0600	M8	1.25	90	8	13	6.2	6.8
264171.0700	M10	1.5	100	10	15	8	8.5
264171.0800	M12	1.75	110	9	18	7	10.2
264171.0900	M16	2	110	12	20	9	14

264172 NERIOX Machine tap

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), Universally suitable for all material groups., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Number of teeth 3, Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO2 / 6H

Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For tapping, For through-hole threads

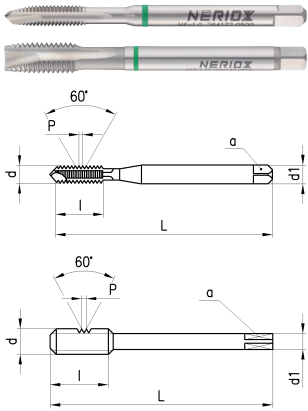
Designs:

M2...M10: UNI, reinforced shaft, DIN 371

M12...M16: UNI, falling through shaft, DIN 376

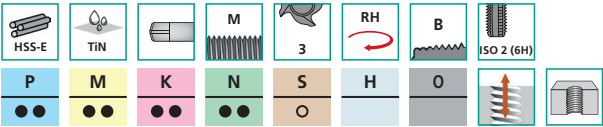
Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264172.0100	M2	0.4	45	2.8	8	2.1	1.6
264172.0200	M3	0.5	56	3.5	11	2.7	2.5
264172.0300	M4	0.7	63	4.5	13	3.4	3.3
264172.0400	M5	0.8	70	6	15	4.9	4.2
264172.0500	M6	1	80	6	17	4.9	5
264172.0600	M8	1.25	90	8	20	6.2	6.8
264172.0700	M10	1.5	100	10	22	8	8.5
264172.0800	M12	1.75	110	9	24	7	10.2
264172.0900	M16	2	110	12	27	9	14

NERIOX



264173 NERIOX Machine tap

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), TiN coating, Universally suitable for all material groups., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Number of teeth 3, Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO2 / 6H

Main application: Steel (ISO-P), Main application: Stainless steel (ISO M), Main application: Cast materials (ISO K), Main application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For tapping, For through-hole threads

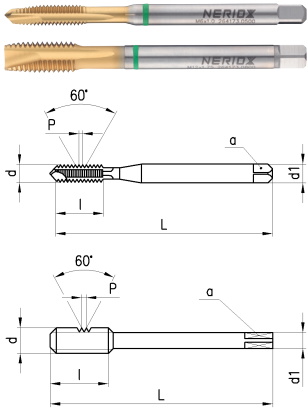
Designs:

M2...M10: UNI, reinforced shaft, DIN 371

M12...M16: UNI, falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264173.0100	M2	0.4	45	2.8	8	2.1	1.6
264173.0200	M3	0.5	56	3.5	11	2.7	2.5
264173.0300	M4	0.7	63	4.5	13	3.4	3.3
264173.0400	M5	0.8	70	6	15	4.9	4.2
264173.0500	M6	1	80	6	17	4.9	5
264173.0600	M8	1.25	90	8	20	6.2	6.8
264173.0700	M10	1.5	100	10	22	8	8.5
264173.0800	M12	1.75	110	9	24	7	10.2
264173.0900	M16	2	110	12	27	9	14

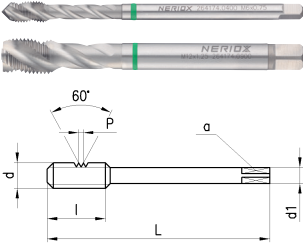
NERIOX





264174 NERIOX Machine tap

Metric ISO thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), Universally suitable for all material groups., with cylindrical shank with square end, According to thread standard MF (metric fine thread), Number of teeth 3, Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO2 / 6H

Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For tapping, For blind-hole threads

Designs:

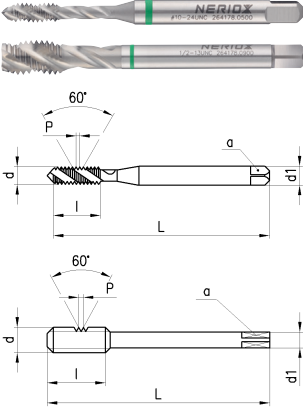
MF4...MF16: **UNI**, falling through shaft, DIN 374

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264174.0100	MF4	0.5	63	2.8	5	2.1	3.5
264174.0200	MF5	0.5	70	3.5	5	2.7	4.5
264174.0300	MF6	0.5	80	4.5	8	3.4	5.5
264174.0400	MF6	0.75	80	4.5	8	3.4	5.2
264174.0500	MF8	1	90	6	10	4.9	7
264174.0600	MF10	1	90	7	10	5.5	9
264174.0700	MF10	1.25	100	7	16	5.5	8.8
264174.0800	MF12	1	100	9	11	7	11
264174.0900	MF12	1.25	100	9	15	7	10.8
264174.1000	MF12	1.5	100	9	15	7	10.5
264174.1100	MF16	1	100	12	12	9	15
264174.1200	MF16	1.5	100	12	15	9	14.5



264178 NERIOX Machine tap

UNC thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), Universally suitable for all material groups., with cylindrical shank with square end, According to thread standard UNC (American standard thread), Number of teeth 3, Cutting direction: right, Thread cutting edge form C, Thread tolerance zone 2B

Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For tapping, For blind-hole threads

Designs:

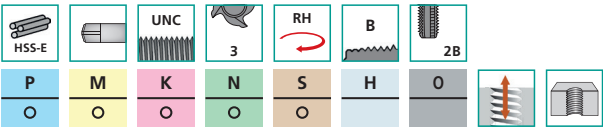
UNC 4-40...UNC 3/8-16: **UNI**, reinforced shaft, DIN 371

UNC 1/2-13: **UNI**, falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		in	mm	mm	mm	mm	mm
264178.0100	UNC 4-40	40	56	3.5	6	2.7	2.3
264178.0200	UNC 5-40	40	56	3.5	7	2.7	2.6
264178.0300	UNC 6-32	32	56	4	7	3	2.85
264178.0400	UNC 8-32	32	63	4.5	8	3.4	3.5
264178.0500	UNC 10-24	24	70	6	10	4.9	3.9
264178.0600	UNC 1/4-20	20	80	7	13	5.5	5.2
264178.0700	UNC 5/16-18	18	90	8	14	6.2	6.6
264178.0800	UNC 3/8-16	16	100	9	16	7	8
264178.0900	UNC 1/2-13	13	110	9	20	7	10.75

264179 NERIOX Machine tap

UNC thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), Universally suitable for all material groups., with cylindrical shank with square end, According to thread standard UNC (American standard thread), Number of teeth 3, Cutting direction: right, Thread cutting edge form B, Thread tolerance zone 2B

Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For tapping, For through-hole threads

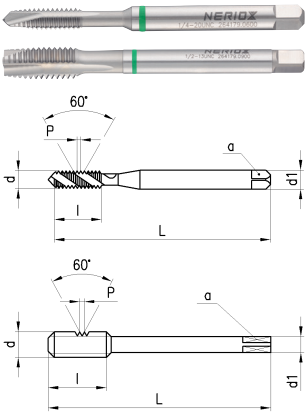
Designs:

UNC 4-40...UNC 3/8-16: **UNI**, reinforced shaft, DIN 371

UNC 1/2-13: **UNI**, falling through shaft, DIN 376

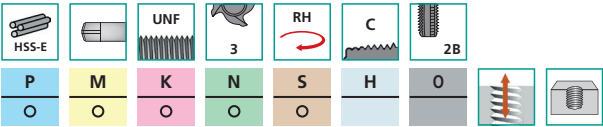
Order ID	d	P	L	d1	l	a	Ø
		in	mm	mm	mm	mm	mm
264179.0100	UNC 4-40	40	56	3.5	11	2.7	2.3
264179.0200	UNC 5-40	40	56	3.5	11	2.7	2.6
264179.0300	UNC 6-32	32	56	4	12	3	2.85
264179.0400	UNC 8-32	32	63	4.5	13	3.4	3.5
264179.0500	UNC 10-24	24	70	6	15	4.9	3.9
264179.0600	UNC 1/4-20	20	80	7	17	5.5	5.2
264179.0700	UNC 5/16-18	18	90	8	20	6.2	6.6
264179.0800	UNC 3/8-16	16	100	9	22	7	8
264179.0900	UNC 1/2-13	13	110	9	25	7	10.75

NERIOX



264182 NERIOX Machine tap

UNF thread



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), Universally suitable for all material groups., with cylindrical shank with square end, According to thread standard UNF (American fine thread), Number of teeth 3, Cutting direction: right, Thread cutting edge form C, Thread tolerance zone 2B
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For tapping, For blind-hole threads

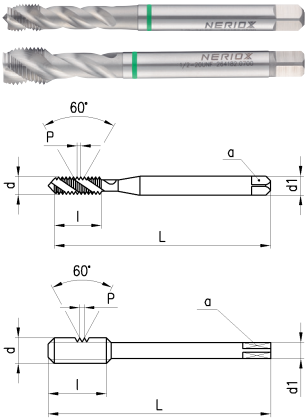
Designs:

UNF 10-32...UNF 3/8-24: **UNI**, reinforced shaft, DIN 371

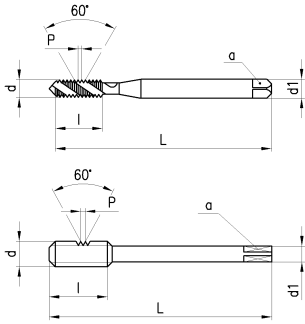
UNF 7/16-20...UNF 3/4-16: **UNI**, falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		in	mm	mm	mm	mm	mm
264182.0100	UNF 10-32	32	70	6	10	4.9	4.1
264182.0200	UNF 12-28	28	80	6	10	4.9	4.7
264182.0300	UNF 1/4-28	28	80	7	10	5.5	5.5
264182.0400	UNF 5/16-24	24	90	8	10	6.2	6.9
264182.0500	UNF 3/8-24	24	100	9	10	7	8.5
264182.0600	UNF 7/16-20	20	100	8	13	6.2	9.9
264182.0700	UNF 1/2-20	20	100	9	13	7	11.5
264182.0800	UNF 9/16-18	18	100	11	15	9	12.9
264182.0900	UNF 5/8-18	18	100	12	15	9	14.5
264182.1000	UNF 3/4-16	16	110	14	17	11	17.5

NERIOX



NERIOX



264183 NERIOX Machine tap

UNF thread

Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), Universally suitable for all material groups, with cylindrical shank with square end, According to thread standard UNF (American fine thread), Number of teeth 3, Cutting direction: right, Thread cutting edge form B, Thread tolerance zone 2B
Main application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), For tapping, For through-hole threads

Designs:

UNF 10-32...UNF 3/8-24: **UNI**, reinforced shaft, DIN 371
UNF 7/16-20...UNF 3/4-16: **UNI**, falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		in	mm	mm	mm	mm	mm
264183.0100	UNF 10-32	32	70	6	15	4.9	4.1
264183.0200	UNF 12-28	28	80	6	16	4.9	4.7
264183.0300	UNF 1/4-28	28	80	7	17	5.5	5.5
264183.0400	UNF 5/16-24	24	90	8	17	6.2	6.9
264183.0500	UNF 3/8-24	24	100	9	18	7	8.5
264183.0600	UNF 7/16-20	20	100	8	22	6.2	9.9
264183.0700	UNF 1/2-20	20	100	9	22	7	11.5
264183.0800	UNF 9/16-18	18	100	11	22	9	12.9
264183.0900	UNF 5/8-18	18	100	12	22	9	14.5
264183.1000	UNF 3/4-16	16	110	14	25	11	17.5

NERIOX



264469 NERIOX Tap set

Metric ISO thread

Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), For general steels up to 800 N/mm², According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO2 / 6H, delivered as a SET
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For through-hole threads

Content: 1 tap in each size M3, M4, M5, M6, M8, M10, M12 and corresponding tap drills 2.5 / 3.3 / 4.2 / 5 / 6.8 / 8.5 / 10.2 mm. In metal case.

Order ID	Size
264469.0100	M3...M12

NERIOX



272191 NERIOX Thread cutting set

M3-M12

According to thread standard M (metric coarse thread), Cutting direction: right, delivered as a SET

In a sturdy plastic case with carrying handle, clearly sectioned.

Range: M3-M12

Consisting of:

- 1x HSS tap hole drill bit for metric threads ISO M3, M4, M5, M6, M8, M10, M12
- 1x set of 3 HSS taps (taper, second and final tap) for metric threads ISO M3, M4, M5, M6, M8, M10, M12
- 1x HSS threading die for metric threads ISO M3, M4, M5, M6, M8, M10, M12
- 1x threading die holder for metric threads ISO M3-M4, M5-M6, M8, M10, M12
- 1x tap wrench for M1-M10, M4-M12
- 1x tool holder with ratchet for M3-M10
- 1x Phillips-head screwdriver 5.5x1
- 1x thread template 60°/55°

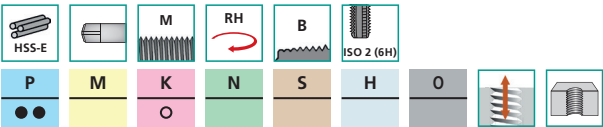
Area of application:

For general structural steels, free-cutting steels, heat-treated steels, high-alloy steels and cast steel up to 900 N/mm2

Order ID	Range	Thread angle	Number of parts	Length	Width	Height
				mm	mm	mm
272191.0100	M3...M12	60°	45	410	300	85

264201 NERIOX Tap

Metric ISO thread



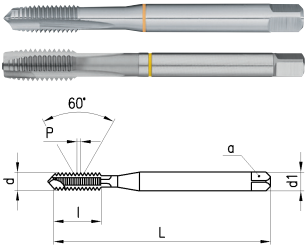
Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), For general steels up to 800 N/mm², with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO2 / 6H
Main application: Steel (ISO-P), Secondary application: Cast materials (ISO K), For tapping, For through-hole threads

Designs:

M2...M10: , reinforced shaft, DIN 371
M12...M24: , falling through shaft, DIN 376

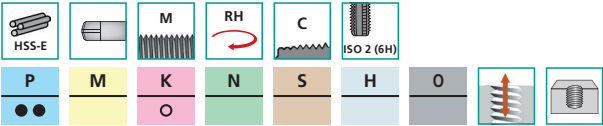
Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264201.0100	M2	0.4	45	2.8	8	2.1	1.6
264201.0200	M2.5	0.45	50	2.8	9	2.1	2.05
264201.0300	M3	0.5	56	3.5	10	2.7	2.5
264201.0400	M4	0.7	63	4.5	12	3.4	3.3
264201.0500	M5	0.8	70	6	14	4.9	4.2
264201.0600	M6	1	80	6	16	4.9	5
264201.0700	M8	1.25	90	8	18	6.2	6.8
264201.0800	M10	1.5	100	10	20	8	8.5
264201.0900	M12	1.75	110	9	24	7	10.2
264201.1000	M16	2	110	12	26	9	14
264201.1100	M20	2.5	140	16	32	12	17.5
264201.1200	M24	3	160	18	36	14.5	21

NERIOX



264211 NERIOX Tap

Metric ISO thread



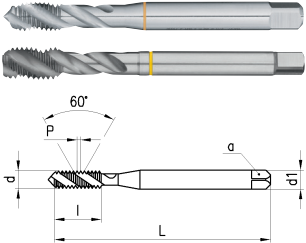
Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), For general steels up to 800 N/mm², with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO2 / 6H
Main application: Steel (ISO-P), Secondary application: Cast materials (ISO K), For tapping, For blind-hole threads

Designs:

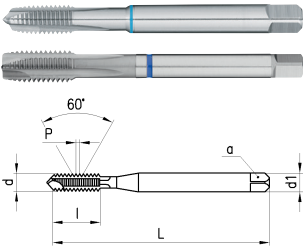
M2...M10: , reinforced shaft, DIN 371
M12...M24: , falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264211.0100	M2	0.4	45	2.8	8	2.1	1.6
264211.0200	M2.5	0.45	50	2.8	9	2.1	2.05
264211.0300	M3	0.5	56	3.5	6	2.7	2.5
264211.0400	M4	0.7	63	4.5	7.5	3.4	3.3
264211.0500	M5	0.8	70	6	8.5	4.9	4.2
264211.0600	M6	1	80	6	11	4.9	5
264211.0700	M8	1.25	90	8	14	6.2	6.8
264211.0800	M10	1.5	100	10	16	8	8.5
264211.0900	M12	1.75	110	9	18.5	7	10.2
264211.1000	M16	2	110	12	20	9	14
264211.1100	M20	2.5	140	16	25	12	17.5
264211.1200	M24	3	160	18	30	14.5	21

NERIOX



NERIOX



264241 NERIOX Tap

Metric ISO thread



HSS-E





M



RH



B



ISO 2 (6H)



P



M



K



N



S



H



O





Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), For tough materials (stainless steel), with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO2 / 6H
Main application: Stainless steel (ISO M), Secondary application: Non-ferrous metals (ISO N), For tapping, For through-hole threads

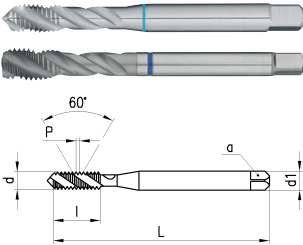
Designs:

M2...M10: , reinforced shaft, DIN 371

M12...M20: , falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264241.0100	M2	0.4	45	2.8	8	2.1	1.6
264241.0200	M2.5	0.45	50	2.8	9	2.1	2.05
264241.0300	M3	0.5	56	3.5	10	2.7	2.5
264241.0400	M4	0.7	63	4.5	12	3.4	3.3
264241.0500	M5	0.8	70	6	14	4.9	4.2
264241.0600	M6	1	80	6	16	4.9	5
264241.0700	M8	1.25	90	8	18	6.2	6.8
264241.0800	M10	1.5	100	10	20	8	8.5
264241.0900	M12	1.75	110	9	24	7	10.2
264241.1000	M16	2	110	12	26	9	14
264241.1100	M20	2.5	140	16	32	12	17.5

NERIOX



264251 NERIOX Tap

Metric ISO thread



HSS-E





M



RH



C



ISO 2 (6H)



P



M



K



N



S



H



O





Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), For tough materials (stainless steel), with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO2 / 6H
Main application: Stainless steel (ISO M), Secondary application: Non-ferrous metals (ISO N), For tapping, For blind-hole threads

Designs:

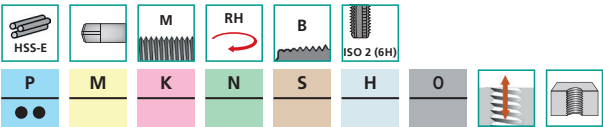
M3...M10: , reinforced shaft, DIN 371

M12...M24: , falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264251.0100	M3	0.5	56	3.5	6	2.7	2.5
264251.0200	M4	0.7	63	4.5	7.5	3.4	3.3
264251.0300	M5	0.8	70	6	8.5	4.9	4.2
264251.0400	M6	1	80	6	11	4.9	5
264251.0500	M8	1.25	90	8	14	6.2	6.8
264251.0600	M10	1.5	100	10	16	8	8.5
264251.0700	M12	1.75	110	9	18.5	7	10.2
264251.0800	M16	2	110	12	20	9	14
264251.0900	M20	2.5	140	16	25	12	17.5
264251.1000	M24	3	160	18	30	14.5	21

264281 NERIOX Tap

Metric ISO thread



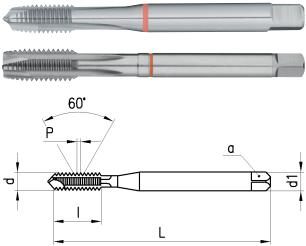
Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), For high-strength steels., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO 2 / 6H
Main application: Steel (ISO-P), For tapping, For through-hole threads

Designs:

M2...M10: , reinforced shaft, DIN 371
M12...M24: , falling through shaft, DIN 376

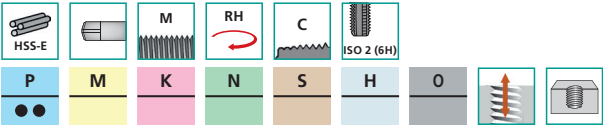
Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264281.0100	M2	0.4	45	2.8	8	2.1	1.6
264281.0200	M2.5	0.45	50	2.8	9	2.1	2.05
264281.0300	M3	0.5	56	3.5	10	2.7	2.5
264281.0400	M4	0.7	63	4.5	12	3.4	3.3
264281.0500	M5	0.8	70	6	14	4.9	4.2
264281.0600	M6	1	80	6	16	4.9	5
264281.0700	M8	1.25	90	8	18	6.2	6.8
264281.0800	M10	1.5	100	10	20	8	8.5
264281.0900	M12	1.75	110	9	24	7	10.2
264281.1000	M16	2	110	12	26	9	14
264281.1100	M20	2.5	140	16	32	12	17.5
264281.1200	M24	3	160	18	36	14.5	21

NERIOX



264291 NERIOX Tap

Metric ISO thread



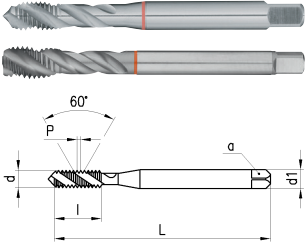
Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), For high-strength steels., with cylindrical shank with square end, According to thread standard M (metric coarse thread), Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO 2 / 6H
Main application: Steel (ISO-P), For tapping, For blind-hole threads

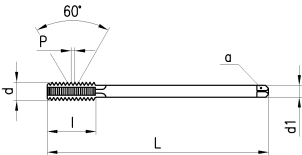
Designs:

M2...M10: , reinforced shaft, DIN 371
M12...M24: , falling through shaft, DIN 376

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264291.0100	M2	0.4	45	2.8	8	2.1	1.6
264291.0200	M2.5	0.45	50	2.8	9	2.1	2.05
264291.0300	M3	0.5	56	3.5	6	2.7	2.5
264291.0400	M4	0.7	63	4.5	7.5	3.4	3.3
264291.0500	M5	0.8	70	6	8.5	4.9	4.2
264291.0600	M6	1	80	6	11	4.9	5
264291.0700	M8	1.25	90	8	14	6.2	6.8
264291.0800	M10	1.5	100	10	16	8	8.5
264291.0900	M12	1.75	110	9	18.5	7	10.2
264291.1000	M16	2	110	12	20	9	14
264291.1100	M20	2.5	140	16	25	12	17.5
264291.1200	M24	3	160	18	30	14.5	21

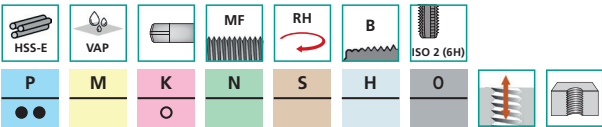
NERIOX





264401 NERIOX Tap

Metric ISO fine thread

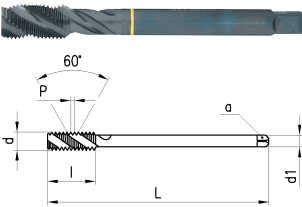


Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), VAP coating, For general steels up to 800 N/mm², with cylindrical shank with square end, According to thread standard MF (metric fine thread), Cutting direction: right, Thread cutting edge form B, Thread tolerance zone ISO2 / 6H
Main application: Steel (ISO-P), Secondary application: Cast materials (ISO K), For tapping, For through-hole threads

Designs:

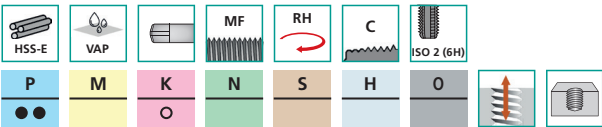
MF4...MF20: , falling through shaft, DIN 374

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264401.0100	MF4	0.5	63	2.8	8	2.1	3.5
264401.0200	MF5	0.5	70	3.5	10	2.7	4.5
264401.0300	MF6	0.5	80	4.5	13	3.4	5.5
264401.0400	MF8	0.5	80	6	14	4.9	7.5
264401.0500	MF8	0.75	80	6	14	4.9	7.25
264401.0600	MF8	1	90	6	18	4.9	7
264401.0700	MF10	1	90	7	18	5.5	9
264401.0800	MF10	1.25	100	7	20	5.5	8.8
264401.0900	MF12	1	100	9	20	7	11
264401.1000	MF12	1.25	100	9	20	7	10.8
264401.1100	MF12	1.5	100	9	20	7	10.5
264401.1200	MF14	1	100	11	20	9	13
264401.1300	MF14	1.5	100	11	20	9	12.5
264401.1400	MF16	1.5	100	12	22	9	14.5
264401.1500	MF18	1.5	110	14	25	11	16.5
264401.1600	MF20	1.5	125	16	25	12	18.5



264411 NERIOX Tap

Metric ISO fine thread

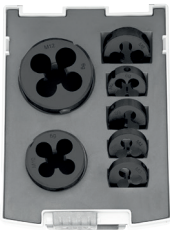


Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), VAP coating, For general steels up to 800 N/mm², with cylindrical shank with square end, According to thread standard MF (metric fine thread), Cutting direction: right, Thread cutting edge form C, Thread tolerance zone ISO2 / 6H
Main application: Steel (ISO-P), Secondary application: Cast materials (ISO K), For tapping, For blind-hole threads

Designs:

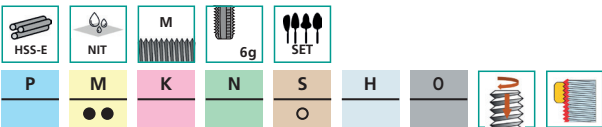
MF6...M 20: , falling through shaft, DIN 374

Order ID	d	P	L	d1	l	a	Ø
		mm	mm	mm	mm	mm	mm
264411.0100	MF6	0.5	80	4.5	5	3.4	5.5
264411.0200	MF8	1	90	6	11	4.9	7
264411.0300	MF10	1	90	7	11	5.5	9
264411.0400	MF10	1.25	100	7	14	5.5	8.8
264411.0500	MF12	1.25	100	9	15	7	10.8
264411.0600	MF12	1.5	100	9	15	7	10.5
264411.0700	MF16	1.5	100	12	15	9	14.5
264411.0800	M 20	1.5	125	16	16	12	18.5



265113 NERIOX Die set M3-M12

Metric ISO thread, type INOX



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), NIT coating, According to thread standard M (metric coarse thread), Thread tolerance zone 6g (according to DIN EN 22568), delivered as a SET

Main application: Stainless steel (ISO M), Secondary application: Superalloys (ISO S), For thread machining with dies, For external threads

Die set HSS-E, 7-piece (M3–M12) in a case.

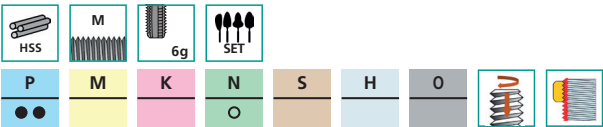
Nitrided, suitable for rust-resistant steels.

Order ID	Size
265113.0100	M3-M12

265112 NERIOX Die set M3-M12

NERIOX

Metric ISO thread



Made of HSS (High Speed Steel), According to thread standard M (metric coarse thread), Thread tolerance zone 6g (according to DIN EN 22568), delivered as a SET
Main application: Steel (ISO-P), Secondary application: Non-ferrous metals (ISO N), For thread machining with dies, For external threads



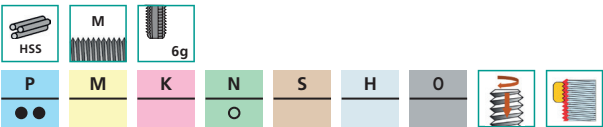
Die set HSS, 7-piece (M3–M12) in a case.

Order ID	Size
265112.0100	M3-M12

265012 NERIOX Threading die

NERIOX

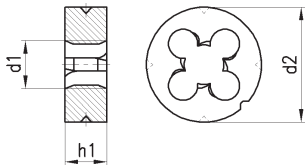
Metric ISO thread



Made of HSS (High Speed Steel), According to thread standard M (metric coarse thread), Thread tolerance zone 6g (according to DIN EN 22568)
Main application: Steel (ISO-P), Secondary application: Non-ferrous metals (ISO N), For thread machining with dies, For external threads



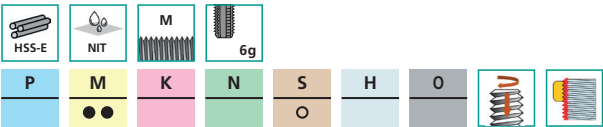
Order ID	d1 mm	P mm	d2 mm	h1 mm
265012.0100	M 3	0.5	20	5
265012.0200	M 4	0.7	20	5
265012.0300	M 5	0.8	20	7
265012.0400	M 6	1	20	7
265012.0500	M 7	1	25	9
265012.0600	M 8	1.25	25	9
265012.0700	M 9	1.25	25	9
265012.0800	M 10	1.5	30	11
265012.0900	M 12	1.75	38	14
265012.1000	M 14	2	38	18
265012.1100	M 16	2	45	18
265012.1200	M 18	2.5	45	18
265012.1300	M 20	2.5	45	18
265012.1400	M 22	2.5	55	22
265012.1500	M 24	3	55	25
265012.1600	M 27	3	65	25
265012.1700	M 30	3.5	65	25



265013 NERIOX Threading die

NERIOX

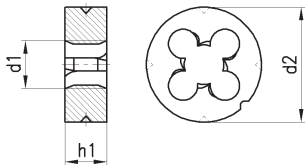
Metric ISO thread, type INOX



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), NIT coating, According to thread standard M (metric coarse thread), Thread tolerance zone 6g (according to DIN EN 22568)
Main application: Stainless steel (ISO M), Secondary application: Superalloys (ISO S), For thread machining with dies, For external threads



Order ID	d1 mm	P mm	d2 mm	h1 mm
265013.0100	M 3	0.5	20	5
265013.0200	M 4	0.7	20	5
265013.0300	M 5	0.8	20	7
265013.0400	M 6	1	20	7
265013.0500	M 7	1	25	9
265013.0600	M 8	1.25	25	9
265013.0800	M 10	1.5	30	11
265013.0900	M 12	1.75	38	14
265013.1000	M 14	2	38	18
265013.1100	M 16	2	45	18
265013.1300	M 20	2.5	45	18
265013.1500	M 24	3	55	25
265013.1600	M 27	3	65	25
265013.1700	M 30	3.5	65	25



265101 NERIOX Threading die

Metric ISO fine thread



HSS



MF



6g



P



M



K



N



S



H

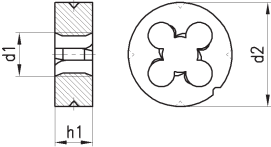


O





Made of HSS (High Speed Steel), According to thread standard MF (metric fine thread), Thread tolerance zone 6g (according to DIN EN 22568)
Main application: Steel (ISO-P), Secondary application: Non-ferrous metals (ISO N), For thread machining with dies, For external threads



Order ID	d1 mm	P mm	d2 mm	h1 mm
265101.0100	MF 4	0.5	20	5
265101.0200	MF 5	0.5	20	5
265101.0300	MF 6	0.5	20	5
265101.0400	MF 6	0.75	20	7
265101.0500	MF 7	0.75	25	9
265101.0600	MF 8	0.5	25	9
265101.0700	MF 8	0.75	25	9
265101.0800	MF 8	1	25	9
265101.0900	MF 9	1	25	9
265101.1000	MF 10	0.75	30	11
265101.1100	MF 10	1	30	11
265101.1200	MF 10	1.25	30	11
265101.1300	MF 11	1	30	11
265101.1400	MF 12	1	38	10
265101.1500	MF 12	1.25	38	10
265101.1600	MF 12	1.5	38	10
265101.1700	MF 14	1	38	10
265101.1800	MF 14	1.25	38	10
265101.1900	MF 14	1.5	38	10
265101.2000	MF 15	1	38	10
265101.2100	MF 16	1	45	14
265101.2200	MF 16	1.5	45	14
265101.2300	MF 18	1	45	14
265101.2400	MF 18	1.5	45	14
265101.2500	MF 20	1	45	14
265101.2600	MF 20	1.5	45	14
265101.2700	MF 22	1	55	16
265101.2800	MF 22	1.5	55	16
265101.2900	MF 24	1	55	16
265101.3000	MF 24	1.5	55	16
265101.3100	MF 24	2	55	16
265101.3200	MF 25	1.5	55	16
265101.3300	MF 26	1.5	55	16
265101.3400	MF 27	1.5	65	18
265101.3500	MF 27	2	65	18
265101.3600	MF 28	1.5	65	18
265101.3700	MF 30	1	65	18
265101.3800	MF 30	1.5	65	18
265101.3900	MF 30	2	65	18

281760 NERIOX NC machine reamer



HSS-E



P

O

M

O

K

O

N

O

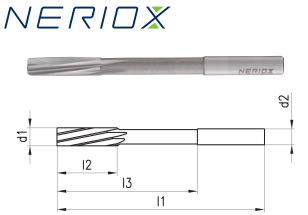
S

H

O



Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), with cylindrical shank
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), For through-hole holes



Order ID	d1 mm	l2 mm	l1 mm	l3 mm	d2 mm	Order ID	d1 mm	l2 mm	l1 mm	l3 mm	d2 mm
281760.0100	2	11	49	26	2	281760.1100	12	44	151	110	10
281760.0200	3	15	61	29	3	281760.1200	13	44	151	110	10
281760.0300	4	19	75	46	4	281760.1300	14	47	160	112	14
281760.0400	5	23	86	57	5	281760.1400	15	50	162	114	14
281760.0500	6	26	93	56	6	281760.1500	16	52	170	123	14
281760.0600	7	31	109	71	8	281760.1600	17	54	175	128	14
281760.0700	8	33	117	80	8	281760.1700	18	56	182	135	14
281760.0800	9	36	125	84	10	281760.1800	19	58	189	139	16
281760.0900	10	38	133	91	10	281760.1900	20	60	195	145	16
281760.1000	11	41	142	101	10						

281751 NERIOX Machine reamer

High-precision design (Type HPR)



HSS-E





4-6

P

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M

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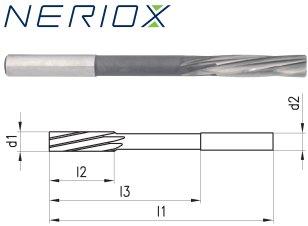
O

H

O

O

Made of HSS-E (High Speed Steel, contains approximately 5% to 8% cobalt), with cylindrical shank, Number of teeth 4 - 6
Secondary application: Steel (ISO-P), Secondary application: Stainless steel (ISO M), Secondary application: Cast materials (ISO K), Secondary application: Non-ferrous metals (ISO N), Secondary application: Superalloys (ISO S), Secondary application: Plastics and other materials (ISO O)



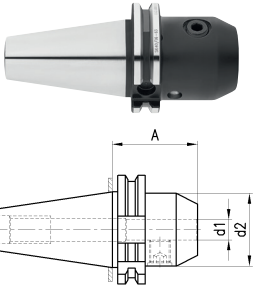
Design:

HSS-E machine reamer in a high-precision design. With a medium-length cutting edge and a cylindrical shank with an h8 tolerance. The left-hand helix, combined with the right-hand cut, helps to deliver the lubricant directly to the cutting edges. This promotes lubrication and cooling and ensures that the chips are pushed forward. All this contributes to ensuring a perfect surface finish of the holes.

Application:

Well suited for reaming through holes and can be used universally in all ISO material groups, but only up to a maximum tensile strength of 1,000 N/mm2 of the material to be machined.

Order ID	d1 mm	d2 mm	l1 mm	l2 mm	l3 mm	teeth	Order ID	d1 mm	d2 mm	l1 mm	l2 mm	l3 mm	teeth
281751.0100	0.98	0.98	38	5	22	4	281751.3100	4.98	5	86	23	60	6
281751.0200	0.99	0.99	38	5	22	4	281751.3200	4.99	5	86	23	60	6
281751.0300	1	1	38	5	22	4	281751.3300	5	5	86	23	60	6
281751.0400	1.01	1.01	40	7	22	4	281751.3400	5.01	5	86	23	60	6
281751.0500	1.02	1.02	40	7	22	4	281751.3500	5.02	5	86	23	60	6
281751.0600	1.48	1.48	40	7	24	6	281751.3600	5.98	6	93	26	73	6
281751.0700	1.49	1.49	40	7	24	6	281751.3700	5.99	6	93	26	73	6
281751.0800	1.5	1.5	40	7	24	6	281751.3800	6	6	93	26	73	6
281751.0900	1.51	1.51	43	9	24	6	281751.3900	6.01	6	101	28	73	6
281751.1000	1.52	1.52	43	9	24	6	281751.4000	6.02	6	101	28	73	6
281751.1100	1.98	1.98	49	11	31	6	281751.4100	6.98	7	109	31	80	6
281751.1200	1.99	1.99	49	11	31	6	281751.4200	6.99	7	109	31	80	6
281751.1300	2	2	49	11	31	6	281751.4300	7	7	109	31	80	6
281751.1400	2.01	2.01	49	11	31	6	281751.4400	7.01	7	109	31	80	6
281751.1500	2.02	2.02	49	11	31	6	281751.4500	7.02	7	109	31	80	6
281751.1600	2.48	2.48	57	14	38	6	281751.4600	7.98	8	117	33	86	6
281751.1700	2.49	2.49	57	14	38	6	281751.4700	7.99	8	117	33	86	6
281751.1800	2.5	2.5	57	14	38	6	281751.4800	8	8	117	33	86	6
281751.1900	2.51	2.51	57	14	38	6	281751.4900	8.01	8	117	33	86	6
281751.2000	2.52	2.52	57	14	38	6	281751.5000	8.02	8	117	33	86	6
281751.2100	2.98	2.98	61	15	38	6	281751.5100	8.98	9	125	36	91	6
281751.2200	2.99	2.99	61	15	38	6	281751.5200	8.99	9	125	36	91	6
281751.2300	3	3	61	15	38	6	281751.5300	9	9	125	36	91	6
281751.2400	3.01	3.01	65	16	38	6	281751.5400	9.01	9	125	36	91	6
281751.2500	3.02	3.02	65	16	38	6	281751.5500	9.02	9	125	36	91	6
281751.2600	3.98	4	75	19	51	6	281751.5600	9.98	10	133	38	99	6
281751.2700	3.99	4	75	19	51	6	281751.5700	9.99	10	133	38	99	6
281751.2800	4	4	75	19	51	6	281751.5800	10	10	133	38	99	6
281751.2900	4.01	4	75	19	51	6	281751.5900	10.01	10	133	38	99	6
281751.3000	4.02	4	75	19	51	6	281751.6000	10.02	10	133	38	99	6

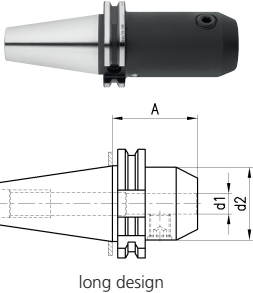


330601 NERIOX End mill chuck SK40

DIN 6359, DIN 69871, Form AD/B, balance quality G2.5/18'000 min⁻¹, short version.

Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Order ID	Cone	d1 mm	A mm	d2 mm
330601.0100	SK 40	6	50	25
330601.0200	SK 40	8	50	28
330601.0300	SK 40	10	50	35
330601.0400	SK 40	12	50	42
330601.0500	SK 40	14	50	44
330601.0600	SK 40	16	63	48
330601.0700	SK 40	18	63	50
330601.0800	SK 40	20	63	50
330601.0900	SK 40	25	100	62.5
330601.1000	SK 40	32	100	72

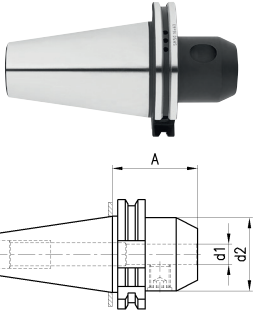


330611 NERIOX End mill chuck SK40, A=100

DIN 6359, DIN 69871, Form AD/B, balance quality G2.5/18'000 min⁻¹.

Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Order ID	Cone	d1 mm	A mm	d2 mm
330611.0100	SK 40	6	100	25
330611.0200	SK 40	8	100	28
330611.0300	SK 40	10	100	35
330611.0400	SK 40	12	100	42
330611.0500	SK 40	14	100	44
330611.0600	SK 40	16	100	48
330611.0700	SK 40	18	100	50
330611.0800	SK 40	20	100	52

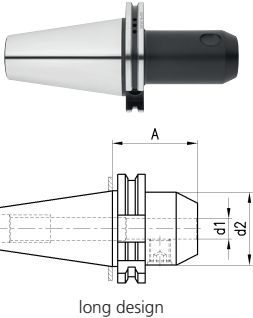


330631 NERIOX End mill chuck SK50

DIN 6359, DIN 69871, Form AD/B, balance quality G2.5/18'000 min⁻¹, short version.

Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Order ID	Cone	d1 mm	A mm	d2 mm
330631.0100	SK 50	6	63	25
330631.0200	SK 50	8	63	28
330631.0300	SK 50	10	63	35
330631.0400	SK 50	12	63	42
330631.0500	SK 50	14	63	44
330631.0600	SK 50	16	63	48
330631.0700	SK 50	18	63	50
330631.0800	SK 50	20	63	52
330631.0900	SK 50	25	80	65
330631.1000	SK 50	32	100	72



330641 NERIOX End mill chuck SK50, A=100

DIN 6359, DIN 69871, Form AD/B, balance quality G2.5/18'000 min⁻¹.

Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Order ID	Cone	d1 mm	A mm	d2 mm
330641.0100	SK 50	6	100	25
330641.0200	SK 50	8	100	28
330641.0300	SK 50	10	100	35
330641.0400	SK 50	12	100	42
330641.0500	SK 50	14	100	44
330641.0600	SK 50	16	100	48
330641.0700	SK 50	18	100	50
330641.0800	SK 50	20	100	52

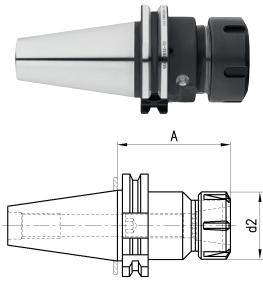
330701 NERIOX ER collet chuck SK40

DIN 69871, Form AD/B, balance quality G2.5/25'000 min⁻¹, short version

Application: clamping tools with cylindrical shank in the collet according to DIN 6499

Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm
330701.0100	SK 40	ER 16	70	28	1...10
330701.0200	SK 40	ER 25	70	42	2...16
330701.0300	SK 40	ER 32	70	50	2...20
330701.0400	SK 40	ER 40	80	63	3...26

NERIOX



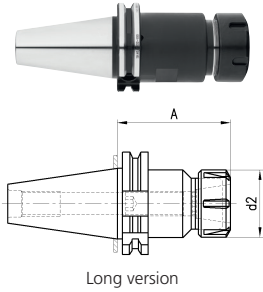
330711 NERIOX ER collet chuck SK40, A=100

DIN 69871, Form AD/B, balance quality G2.5/25'000 min⁻¹.

Application: clamping tools with cylindrical shank in the collet according to DIN 6499

Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm
330711.0100	SK 40	ER 16	100	28	1...10
330711.0200	SK 40	ER 25	100	42	2...16
330711.0300	SK 40	ER 32	100	50	2...20
330711.0400	SK 40	ER 40	100	63	3...26

NERIOX



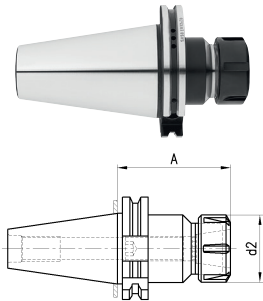
330731 NERIOX ER collet chuck SK50, A=70

DIN 69871, Form AD/B, balance quality G2.5/18'000 min⁻¹.

Application: clamping tools with cylindrical shank in the collet according to DIN 6499

Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm
330731.0100	SK 50	ER 16	63	28	1...10
330731.0200	SK 50	ER 25	70	42	2...16
330731.0300	SK 50	ER 32	70	50	2...20
330731.0400	SK 50	ER 40	80	63	3...26

NERIOX



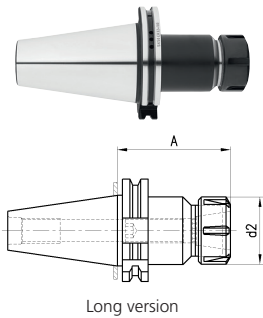
330741 NERIOX ER collet chuck SK50, A=100

DIN 69871, Form AD/B, balance quality G2.5/18'000 min⁻¹.

Application: clamping tools with cylindrical shank in the collet according to DIN 6499

Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm
330741.0100	SK 50	ER 16	100	28	1...10
330741.0200	SK 50	ER 25	100	42	2...16
330741.0300	SK 50	ER 32	100	50	2...20
330741.0400	SK 50	ER 40	100	63	3...26

NERIOX

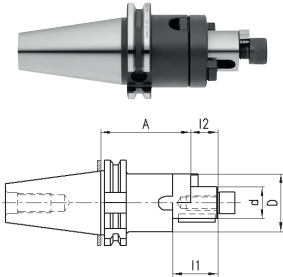




330801 NERIOX Comb. shell mill arbour SK40

DIN 6358, DIN 69871, Form A, balance quality G2.5/18'000 min⁻¹, short version.

Application: For shell end mills and cutters with indexable inserts.



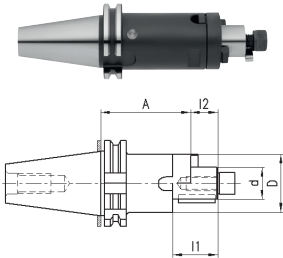
Order ID	Cone	d mm	A mm	I1 mm	I2 mm	D mm
330801.0100	SK 40	16	55	27	17	32
330801.0200	SK 40	22	55	31	19	40
330801.0300	SK 40	27	55	33	21	48
330801.0400	SK 40	32	60	38	24	58
330801.0500	SK 40	40	60	41	27	70



330811 NERIOX Comb. shell mill arbour SK40

DIN 6358, DIN 69871, Form A, balance quality G2.5/18'000 min⁻¹.

Application: For shell end mills and cutters with indexable inserts.



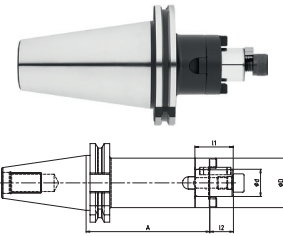
Order ID	Cone	d mm	A mm	I1 mm	I2 mm	D mm
330811.0100	SK 40	16	100	27	17	32
330811.0200	SK 40	22	100	31	19	40
330811.0300	SK 40	27	100	33	21	48
330811.0400	SK 40	32	100	38	24	58
330811.0500	SK 40	40	100	41	27	70



330821 NERIOX Comb. shell mill arbour SK50

DIN 6358, DIN 69871, Form A, balance quality G2.5/18'000 min⁻¹, short version.

Application: For shell end mills and cutters with indexable inserts.



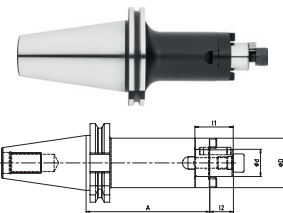
Order ID	Cone	d mm	A mm	I1 mm	I2 mm	D mm
330821.0100	SK 50	16	55	27	17	32
330821.0200	SK 50	22	55	31	19	40
330821.0300	SK 50	27	55	33	21	48
330821.0400	SK 50	32	55	38	24	58
330821.0500	SK 50	40	55	41	27	70



330831 NERIOX Comb. shell mill arbour SK50

DIN 6358, DIN 69871, Form A, balance quality G2.5/18'000 min⁻¹.

Application: For shell end mills and cutters with indexable inserts.



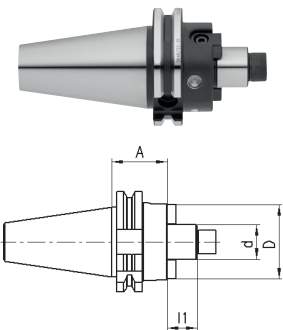
Order ID	Cone	d mm	A mm	I1 mm	I2 mm	D mm
330831.0100	SK 50	16	100	27	17	32
330831.0200	SK 50	22	100	31	19	40
330831.0300	SK 50	27	100	33	21	48
330831.0400	SK 50	32	100	38	24	58
330831.0500	SK 50	40	100	41	27	70



330841 NERIOX Face mill holder SK40

DIN6357, DIN 69871, form AD/B, balancing quality G2.5/18,000 min⁻¹ with cooling hole on the front side.

Application: For shell end mills and cutters with indexable inserts.



Order ID	Cone	d mm	A mm	I1 mm	D mm
330841.0100	SK 40	16	35	17	38
330841.0200	SK 40	22	35	19	48
330841.0300	SK 40	27	40	21	58
330841.0400	SK 40	32	50	24	78
330841.0500	SK 40	40	50	27	88

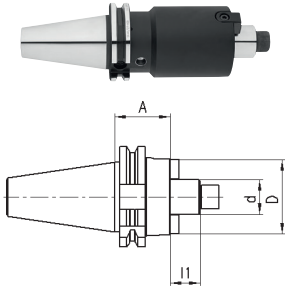
330851 NERIOX Face mill holder KKB SK40

DIN6357, DIN 69871, Form AD/B, balance quality G2.5/18'000 min⁻¹.

Application: For shell end mills and cutters with indexable inserts.

Order ID	Cone	d mm	A mm	l1 mm	D mm
330851.0100	SK 40	16	100	17	38
330851.0200	SK 40	22	100	19	48
330851.0300	SK 40	27	100	21	58
330851.0400	SK 40	32	100	24	78
330851.0500	SK 40	40	100	27	88

NERIOX



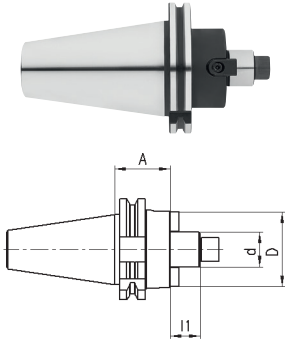
330871 NERIOX Face mill holder KKB SK50

DIN6357, DIN 69871, Form AD/B, balance quality G2.5/18'000 min⁻¹.

Application: For shell end mills and cutters with indexable inserts.

Order ID	Cone	d mm	A mm	l1 mm	D mm
330871.0100	SK 50	22	44	19	48
330871.0200	SK 50	27	44	21	58
330871.0300	SK 50	32	40	24	78
330871.0400	SK 50	40	50	27	88

NERIOX



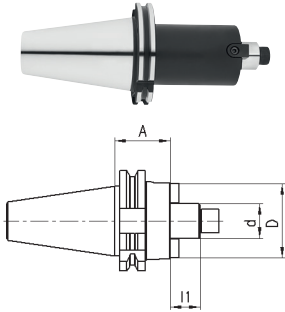
330881 NERIOX Face mill holder KKB SK50

DIN6357, DIN 69871, Form AD/B, balance quality G2.5/18'000 min⁻¹.

Application: For shell end mills and cutters with indexable inserts.

Order ID	Cone	d mm	A mm	l1 mm	D mm
330881.0100	SK 50	22	100	19	48
330881.0200	SK 50	27	100	21	58
330881.0300	SK 50	32	100	24	78
330881.0400	SK 50	40	100	27	88

NERIOX



330941 NERIOX End mill chuck HSK-A63

with cooling channel bore, DIN 69893, Form A, balance quality G2.5/25'000 min⁻¹



with HSK (hollow shank taper) holder, Shank shape HSK-A, According to DIN 69893, with JET lubrication (jet effect), Balanced for 25,000 rpm, RFID Ready (with Balluff chip hole)

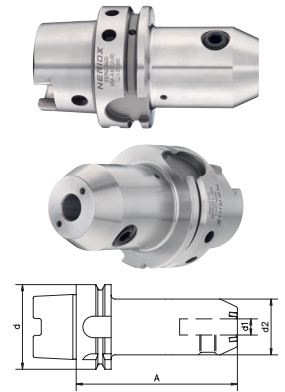
DIN 69893, Form A, balance quality G2.5/25'000 min⁻¹

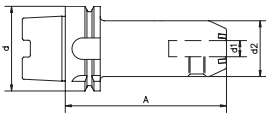
Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Package contents: incl. screws for sealing the coolant holes.

Order ID	Cone	d1 mm	A mm	d mm	d2 mm	Thread G	No of bolts
330941.0100	HSK-A 63	6	65	63	25	M6	1
330941.0200	HSK-A 63	8	65	63	28	M8	1
330941.0300	HSK-A 63	10	65	63	35	M10	1
330941.0400	HSK-A 63	12	80	63	42	M12	1
330941.0500	HSK-A 63	14	80	63	44	M12	1
330941.0600	HSK-A 63	16	80	63	48	M14	1
330941.0700	HSK-A 63	18	80	63	50	M14	1
330941.0800	HSK-A 63	20	80	63	52	M16	1
330941.0900	HSK-A 63	25	110	63	65	M18x2	2
330941.1000	HSK-A 63	32	110	63	72	M20x2	2
330941.1100	HSK-A 63	40	125	63	80	M20x2	2

NERIOX





330942 NERIOX End mill chuck HSK-A63, A=100

with cooling channel bore, DIN 69893, Form A, balance quality G2.5/25'000min⁻¹



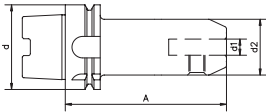
with HSK (hollow shank taper) holder, Shank shape HSK-A, According to DIN 69893, with JET lubrication (jet effect), Balanced for 25,000 rpm, RFID Ready (with Balluff chip hole)

DIN 69893, Form A, balance quality G2.5/25'000min⁻¹

Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Package contents: incl. screws for sealing the coolant holes.

Order ID	Cone	d1 mm	A mm	d mm	d2 mm	Thread G	No of bolts
330942.0100	HSK-A 63	6	100	63	25	M6	1
330942.0200	HSK-A 63	8	100	63	28	M8	1
330942.0300	HSK-A 63	10	100	63	35	M10	1
330942.0400	HSK-A 63	12	100	63	42	M12	1
330942.0500	HSK-A 63	14	100	63	44	M12	1
330942.0600	HSK-A 63	16	100	63	48	M14	1
330942.0700	HSK-A 63	18	100	63	50	M14	1
330942.0800	HSK-A 63	20	100	63	52	M16	1



330943 NERIOX End mill chuck HSK-A63

DIN 69893, Form A, balance quality G6.3/20'000min⁻¹

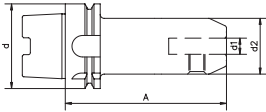


with HSK (hollow shank taper) holder, Shank shape HSK-A, According to DIN 69893, Cooling through the center, Balanced for 20,000 rpm, RFID Ready (with Balluff chip hole)

DIN 69893, Form A, balance quality G6.3/20'000min⁻¹

Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Order ID	Cone	d1 mm	A mm	d mm	d2 mm	Thread G	No of bolts
330943.0100	HSK-A 63	6	65	63	25	M6	1
330943.0200	HSK-A 63	8	65	63	28	M8	1
330943.0300	HSK-A 63	10	65	63	35	M10	1
330943.0400	HSK-A 63	12	80	63	42	M12	1
330943.0500	HSK-A 63	14	80	63	44	M12	1
330943.0600	HSK-A 63	16	80	63	48	M14	1
330943.0700	HSK-A 63	18	80	63	50	M14	1
330943.0800	HSK-A 63	20	80	63	52	M16	1
330943.0900	HSK-A 63	25	110	63	65	M18x2	1
330943.1000	HSK-A 63	32	110	63	72	M20x2	1



330944 NERIOX End mill chuck HSK-A63, A=100

DIN 69893, Form A, balance quality G6.3/20'000min⁻¹



with HSK (hollow shank taper) holder, Shank shape HSK-A, According to DIN 69893, Cooling through the center, Balanced for 20,000 rpm, RFID Ready (with Balluff chip hole)

DIN 69893, Form A, balance quality G6.3/20'000min⁻¹

Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Order ID	Cone	d1 mm	A mm	d mm	d2 mm	Thread G	No of bolts
330944.0100	HSK-A 63	6	100	63	25	M6	1
330944.0200	HSK-A 63	8	100	63	28	M8	1
330944.0300	HSK-A 63	10	100	63	35	M10	1
330944.0400	HSK-A 63	12	100	63	42	M12	1
330944.0500	HSK-A 63	14	100	63	44	M12	1
330944.0600	HSK-A 63	16	100	63	48	M14	1
330944.0700	HSK-A 63	18	100	63	50	M14	1
330944.0800	HSK-A 63	20	100	63	52	M16	1

330945 NERIOX Collet chuck HSK-A63, A=100

DIN 69893 A, balance quality G6.3/20'000 min⁻¹



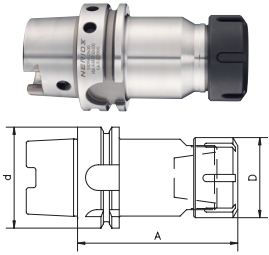
with HSK (hollow shank taper) holder, Shank shape HSK-A, According to DIN 69893, Workpiece-side mount with ER taper mount, Balanced for 20,000 rpm, RFID Ready (with Balluff chip hole)

Balance quality G6.3/20'000 min⁻¹

Application: Clamping of tools with cylindrical shank in collet chuck type ER / ESX.
Version: With Balluff chip hole.

Order ID	Cone	Collet chucks	A mm	d mm	D mm	Clamping capacity mm	Spanners
330945.0100	HSK-A 63	ER16	100	63	32	0.5-10	E16
330945.0200	HSK-A 63	ER20	100	63	35	1.0-13	E20
330945.0300	HSK-A 63	ER25	100	63	42	1.0-6	E25
330945.0400	HSK-A 63	ER32	100	63	50	2.0-20	E32
330945.0500	HSK-A 63	ER40	120	63	63	3.0-26	E40

NERIOX



330946 NERIOX Collet chuck HSK-A63, A=160

DIN 69893 A, balance quality G6.3/20'000 min⁻¹



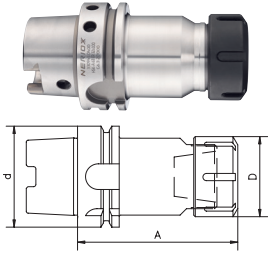
with HSK (hollow shank taper) holder, Shank shape HSK-A, According to DIN 69893, Workpiece-side mount with ER taper mount, Balanced for 25,000 rpm, RFID Ready (with Balluff chip hole)

Balance quality G6.3/20'000 min⁻¹

Application: Clamping of tools with cylindrical shank in collet chuck type ER / ESX.
Version: With Balluff chip hole.

Order ID	Cone	Collet chucks	A mm	d mm	D mm	Clamping capacity mm	Spanners
330946.0100	HSK-A 63	ER16	160	63	32	0.5-10	E16
330946.0200	HSK-A 63	ER20	160	63	35	1.0-13	E20
330946.0300	HSK-A 63	ER25	160	63	42	1.0-6	E25
330946.0400	HSK-A 63	ER32	160	63	50	2.0-20	E32
330946.0500	HSK-A 63	ER40	160	63	63	3.0-26	E40

NERIOX



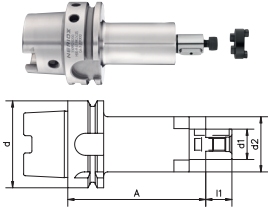
330947 NERIOX Comb. shell mill arbour HSK-A63, A=100

DIN 69893 A, balance quality G6.3/20'000 min⁻¹

Application: For clamping shell end mills and milling cutter heads with longitudinal or transverse groove.

Order ID	Cone	d1 mm	A mm	d mm	d2 mm	l1 mm	l2 mm
330947.0100	HSK-A 63	16	100	63	32	17	27
330947.0200	HSK-A 63	22	100	63	40	19	31
330947.0300	HSK-A 63	27	100	63	48	21	33
330947.0400	HSK-A 63	32	100	63	58	24	38
330947.0500	HSK-A 63	40	100	63	70	27	41

NERIOX



330948 NERIOX Face mill holder HSK-A63

with cooling channel bore, DIN 69893, Form A, balance quality G6.3/20'000 min⁻¹



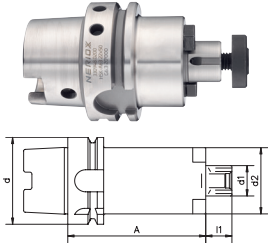
with HSK (hollow shank taper) holder, Shank shape HSK-A, According to DIN 69893, Cooling through the center

Balance quality G6.3/20'000 min⁻¹

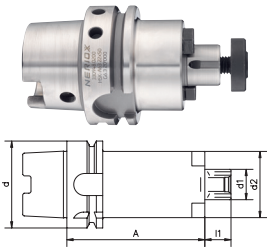
Application: For shell end mills and cutters with indexable inserts.

Order ID	Cone	d1 mm	A mm	d mm	d2 mm	l1 mm
330948.0100	HSK-A 63	16	45	63	38	17
330948.0200	HSK-A 63	22	50	63	48	19
330948.0300	HSK-A 63	27	55	63	58	21
330948.0400	HSK-A 63	32	60	63	78	24
330948.0500	HSK-A 63	40	65	63	88	27

NERIOX



NERIOX



330949 NERIOX Face mill holder HSK-A63, A=100

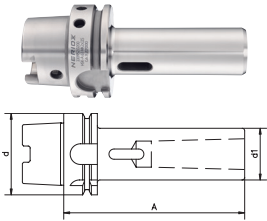
with cooling channel bore, DIN 69893, Form A, balance quality G6.3/20'000 min⁻¹

Balance quality G6.3/20'000 min⁻¹.

Application: For shell end mills and cutters with indexable inserts.

Order ID	Cone	d1 mm	A mm	d mm	d2 mm	l1 mm
330949.0100	HSK-A 63	16	100	63	38	17
330949.0200	HSK-A 63	22	100	63	48	19
330949.0300	HSK-A 63	27	100	63	58	21
330949.0400	HSK-A 63	32	100	63	78	24
330949.0500	HSK-A 63	40	100	63	88	27

NERIOX



330952 NERIOX Insert sleeve

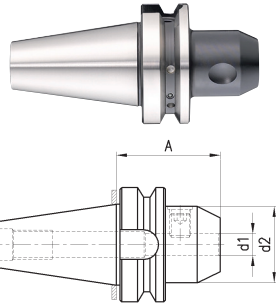
DIN 69893 A, balance quality G6.3/20'000 min⁻¹

DIN 6383

Application: Holding tools with Morse taper and flat tang according to DIN 228B.

Order ID	Cone	MT	A mm	d1 mm	d mm	Inside taper
330952.0100	HSK-A 63	MK1	100	25	63	MK1
330952.0200	HSK-A 63	MK2	115	32	63	MK2
330952.0300	HSK-A 63	MK3	135	40	63	MK3
330952.0400	HSK-A 63	MK4	160	48	63	MK4

NERIOX



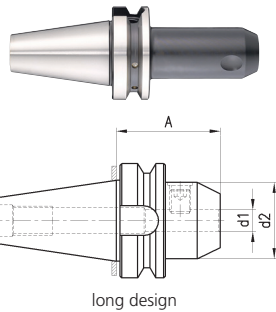
331343 NERIOX End mill chuck BT40

MAS-BT (JIS-B 6339), Form AD/B, balance quality G2.5/18'000 min⁻¹.

Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Order ID	Cone	d1 mm	A mm	d2 mm
331343.0100	BT 40	6	50	25
331343.0200	BT 40	8	50	28
331343.0300	BT 40	10	63	35
331343.0400	BT 40	12	63	42
331343.0500	BT 40	14	63	44
331343.0600	BT 40	16	63	48
331343.0700	BT 40	18	63	50
331343.0800	BT 40	20	63	52
331343.0900	BT 40	25	90	62.5
331343.1000	BT 40	32	100	72

NERIOX



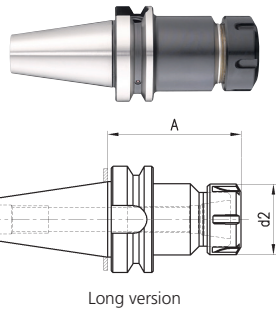
331345 NERIOX End mill chuck BT40, A=100

MAS-BT (JIS-B 6339), Form AD/B, balance quality G2.5/18'000 min⁻¹.

Application: Holding tools with cylindrical shank and Weldon flat according to DIN 1835B.

Order ID	Cone	d1 mm	A mm	d2 mm
331345.0100	BT 40	6	100	25
331345.0200	BT 40	8	100	28
331345.0300	BT 40	10	100	35
331345.0400	BT 40	12	100	42
331345.0500	BT 40	14	100	44
331345.0600	BT 40	16	100	48
331345.0700	BT 40	18	100	50
331345.0800	BT 40	20	100	52

NERIOX



331349 NERIOX ER collet chuck BT40, A=100

MAS-BT (JIS-B 6339), Form AD/B, balance quality G2.5/25'000 min⁻¹.

Application: clamping tools with cylindrical shank in the collet according to DIN 6499

Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm
331349.0100	BT 40	ER 16	100	28	1...10
331349.0200	BT 40	ER 25	100	42	2...16
331349.0300	BT 40	ER 32	100	50	2...20
331349.0400	BT 40	ER 40	100	63	3...36

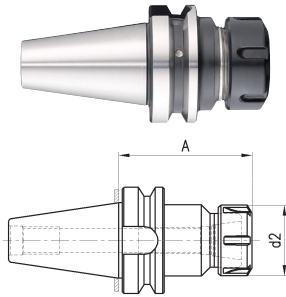
331347 NERIOX ER collet chuck BT40

MAS-BT (JIS-B 6339), Form AD/B, balance quality G2.5/25'000 min⁻¹.

Application: clamping tools with cylindrical shank in the collet according to DIN 6499

Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm
331347.0100	BT 40	ER 16	70	28	1...10
331347.0200	BT 40	ER 25	70	42	2...16
331347.0300	BT 40	ER 32	70	50	2...20
331347.0400	BT 40	ER 40	80	63	3...26

NERIOX



333111 NERIOX Pull stud DIN 69872 form A

DIN69872A

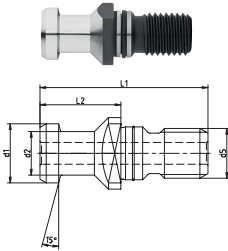


Made of steel, with SK (steep taper) holder

With bore, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333111.0100	SK 40	19	14	15°	54	26	M16
333111.0200	SK 50	28	21	15°	74	34	M24

NERIOX



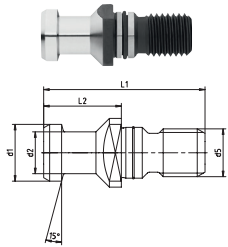
333121 NERIOX Pull stud DIN 69872 form B

DIN69872B

Without hole, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333121.0100	SK 40	19	14	15°	54	26	M16
333121.0200	SK 50	28	21	15°	74	34	M24

NERIOX

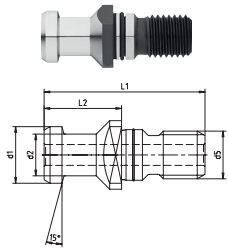


333126 NERIOX Pull stud Mori-Seiki L2=26

With hole Ø 7 mm, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333126.0100	SK 40	19	14	15°	54	26	M16

NERIOX

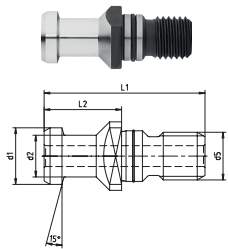


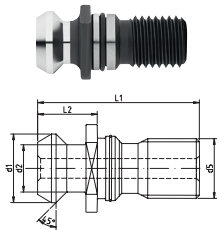
333131 NERIOX Pull stud Mori-Seiki L2=29

With hole Ø 7 mm, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333131.0100	SK 40	19	14	15°	54	29	M16

NERIOX

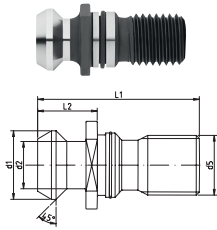




333141 NERIOX Pull stud ISO 7388/ II Type B
ISO 7388 B

With bore, sealed.

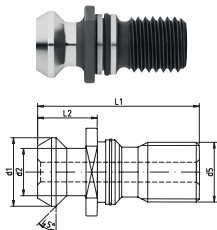
Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333141.0100	SK 40	18.95	12.95	45°	44.5	16.4	M16
333141.0200	SK 50	29.1	19.6	45°	65.5	25.5	M24



333146 NERIOX Pull stud ISO 7388/ II form B
ISO 7388 B

Without hole, sealed.

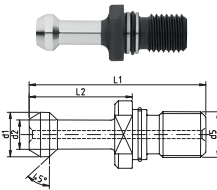
Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333146.0100	SK 40	18.95	12.95	45°	44.5	16.4	M16
333146.0200	SK 50	29.1	19.6	45°	65.5	25.5	M24



333151 NERIOX Pull stud for Mazak
CAT

With hole Ø 6 mm, sealed.

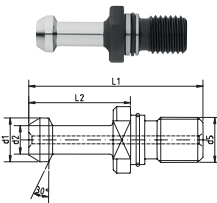
Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333151.0100	SK 40	18.8	12.95	45°	41.25	16.4	M16



333176 NERIOX Pull stud 45° for JIS B 6339
MAS BT I

With hole, sealed.

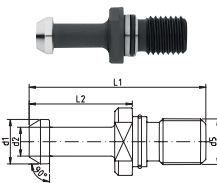
Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333176.0100	BT 40	15	10	45°	60	35	M16
333176.0200	BT 50	23	17	45°	85	45	M24



333186 NERIOX Pull stud 30° JIS-B 6339
MAS BT II

With hole, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333186.0100	BT 40	15	10	30°	60	35	M16
333186.0200	BT 50	23	17	30°	85	45	M24



333191 NERIOX Pull stud 0° for JIS B 6339
MAS BT

Without hole, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333191.0100	BT 40	15	10	90°	60	35	M16
333191.0200	BT 50	23	17	90°	85	45	M24

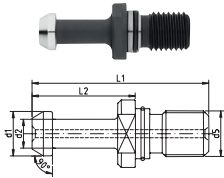
333196 NERIOX Pull stud 0° for JIS B 6339

MAS BT

With hole, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm
333196.0100	BT 40	15	10	90°	60	35	M16
333196.0200	BT 50	23	17	90°	85	45	M24

NERIOX



333201 NERIOX Coolant transfer tube

DIN 69893, Form A+E

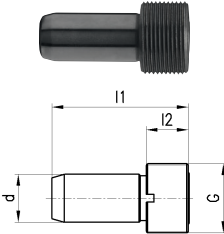


Made of steel, with HSK (hollow shank taper) holder, Nominal size M8 - M24, With cooling

for tool holders DIN 69893

Order ID	Type	G	d mm	l2 mm	l1 mm
333201.0100	HSK-25	M 8x1	5	4.5	17
333201.0200	HSK-32	M 10x1	6	5.5	26
333201.0300	HSK-40	M 12x1	8	7.5	29.5
333201.0400	HSK-50	M 16x1	10	9.5	33
333201.0500	HSK-63	M 18x1	12	11.5	36.5
333201.0600	HSK-80	M 20x1.5	14	13.5	40
333201.0700	HSK-100	M 24x1.5	16	15.5	44

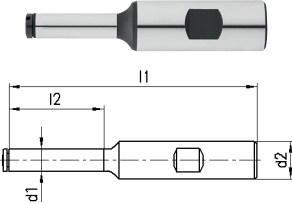
NERIOX



218701 NERIOX Saw blade holder

Order ID	for mm	for saw blade Ø mm	Clamping Ø mm	d2 mm	d1 mm	l1 mm	l2 mm
218701.0100	20	20	5	20	10	90	32
218701.0200	25	25	8	20	13	100	42
218701.0300	32	32	8	20	16	105	53
218701.0400	40	40	10	20	19.5	110	59
218701.0500	50	50	13	25	24.5	136	77
218701.0600	63	63	16	25	24.5	136	77
218701.0700	80	80	22	25	34	150	92
218701.0800	100	100	22	25	39.5	150	92

NERIOX



218706 NERIOX Saw blade holders set

Set consisting of saw blade holders diameters 20 - 63 incl. wooden case.

Consisting of:

- 218701.0100: 1 pieces NERIOX Saw blade holder 20
- 218701.0200: 1 pieces NERIOX Saw blade holder 25
- 218701.0300: 1 pieces NERIOX Saw blade holder 32
- 218701.0400: 1 pieces NERIOX Saw blade holder 40
- 218701.0500: 1 pieces NERIOX Saw blade holder 50
- 218701.0600: 1 pieces NERIOX Saw blade holder 63

Order ID	for saw blade Ø mm
218706.0100	20 - 63

NERIOX



218711 NERIOX Replacement washer

Suitable for:

- 218701 NERIOX Saw blade holder
- 218706 NERIOX Saw blade holders set

Order ID	for mm	Order ID	for mm
218711.0100	20	218711.0500	50
218711.0200	25	218711.0600	63
218711.0300	32	218711.0700	80
218711.0400	40	218711.0800	100

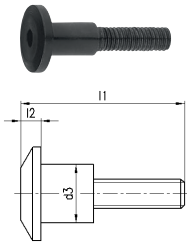
NERIOX





218716 NERIOX Replacement screw

Suitable for:
218701 NERIOX Saw blade holder
218706 NERIOX Saw blade holders set



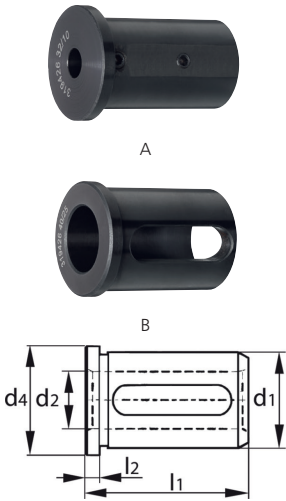
Order ID	for mm	d3 mm	l1 mm	l2 mm
218716.0100	20	5	31	3
218716.0200	25	8	35	3
218716.0300	32	8	35	3
218716.0400	40	10	46	3
218716.0500	50	10	46	4
218716.0600	63	13	50	4
218716.0700	80	16	52	4
218716.0800	100	16	52	4



314950 NERIOX Reducing adapter

Version:
Suitable for VDI arbors form E2.
Suitable for internal cooling, not slotted. Tool is fixed and clamped with 2 clamping screws.

Application:
For Ø-reduction for tools with plain shanks.



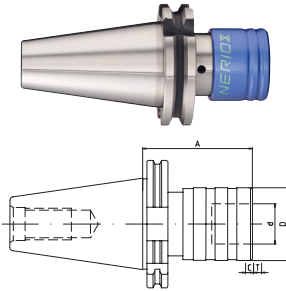
Order ID	d1 mm	d2 mm	d4 mm	l1 mm	l2 mm	Type
314950.0100	25	4	29	50	4	A
314950.0200	25	5	29	50	4	A
314950.0300	25	6	29	50	4	A
314950.0400	25	8	29	50	4	A
314950.0500	25	10	29	50	4	A
314950.0600	25	12	29	50	4	A
314950.0650	25	14	29	50	4	B
314950.0700	25	16	29	50	4	B
314950.0800	25	20	29	50	4	B
314950.0900	32	5	40	58	5	A
314950.1000	32	6	40	58	5	A
314950.1100	32	8	40	58	5	A
314950.1200	32	10	40	58	5	A
314950.1300	32	12	40	58	5	A
314950.1350	32	14	40	58	5	B
314950.1400	32	16	40	58	5	B
314950.1500	32	20	40	58	5	B
314950.1600	32	25	40	58	5	B
314950.1700	40	6	44	58	5	A
314950.1800	40	8	44	58	5	A
314950.1900	40	10	44	58	5	A
314950.2000	40	12	44	58	5	A
314950.2050	40	14	44	58	5	B
314950.2100	40	16	44	58	5	B
314950.2200	40	20	44	58	5	B
314950.2300	40	25	44	58	5	B
314950.2400	40	32	44	58	5	B
314950.2500	50	12	54	75	5	A
314950.2550	50	14	54	75	5	B
314950.2600	50	16	54	75	5	B
314950.2700	50	20	54	75	5	B
314950.2800	50	25	54	75	5	B
314950.2900	50	32	54	75	5	B
314950.3000	50	40	54	75	5	B



273301 NERIOX Quick change tapping chuck SK

DIN 69871A
Compact design, with flexible length adjustment by compression and tension.
Adjustable lead-in pressures for different material an taps.

- For cutting threads exactly true gauge.
- For cutting right- and left-hand threads.
- For NC machines and CHC machining centres.



Order ID	273301.0100	273301.0200	273301.0300	273301.0400
Cone	SK 40	SK 50	SK 40	SK 50
Tap drill	M3-M14	M3-M14	M6-M20	M6-M20
Length compensation tension	mm 7.5	7.5	12.5	12.5
Length compensation pressure	mm 7.5	7.5	12.5	12.5
Inserts	T1	T1	T2	T2
Thread	M16	M24	M16	M24
A	mm 60	63	100	75
D	mm 38.5	38.5	55.2	55.2
T	mm 7.5	7.5	12.5	12.5
C	mm 7.5	7.5	12.5	12.5
d	mm 19	19	31	31

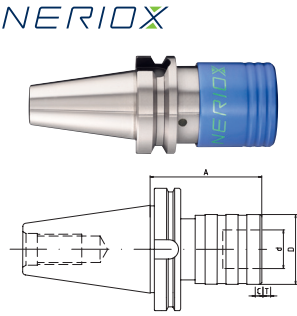
273306 NERIOX Quick change tapping chuck BT

JIS-B 6339, Form A

Compact design, with flexible length adjustment by compression and tension.
Adjustable lead-in pressures for different material an taps.

- For cutting threads exactly true gauge.
- For cutting right- and left-hand threads.
- For NC machines and CHC machining centres.

Order ID		273306.0100	273306.0200	273306.0300	273306.0400
Cone		BT 40	BT 50	BT 40	BT 50
Tap drill		M3-M14	M3-M14	M6-M20	M6-M20
Length compensation tension	mm	7.5	7.5	12.5	12.5
Length compensation pressure	mm	7.5	7.5	12.5	12.5
Inserts		T1	T1	T2	T2
Thread		M16	M24	M16	M24
A	mm	66	78	91	101
D	mm	38.2	38.2	55.2	55.2
T	mm	7.5	7.5	12.5	12.5
C	mm	7.5	7.5	12.5	12.5
d	mm	19	19	31	31



273311 NERIOX Quick change tapping chuck MT

Compact design, with flexible length adjustment by compression and tension.
Adjustable lead-in pressures for different material an taps.

- For cutting threads exactly true gauge.
- For cutting right- and left-hand threads.
- For NC machines and CHC machining centres.

Order ID		273311.0100	273311.0200	273311.0300	273311.0400
Cone		MK 2	MK 3	MK 3	MK 4
Tap drill		M3-M12	M3-M12	M6-M20	M6-M20
Length compensation tension	mm	7.5	7.5	12.5	12.5
Length compensation pressure	mm	7.5	7.5	12.5	12.5
Inserts		T1	T1	T2	T2
A	mm	40	40	64	64
L1	mm	75	94	94	117.5
D	mm	38.2	38.2	55.2	55.2
T	mm	7.5	7.5	12.5	12.5
C	mm	7.5	7.5	12.5	12.5
d	mm	19	19	31	31



273316 NERIOX Quick change tapping chuck

Compact design, with flexible length adjustment by compression and tension.
Adjustable lead-in pressures for different material an taps.

- For cutting threads exactly true gauge.
- For cutting right- and left-hand threads.
- For NC machines and CHC machining centres.

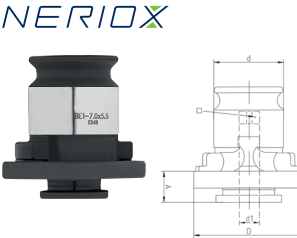
Order ID		273316.0100	273316.0200	273316.0300
Shaft	mm	20	25	25
Tap drill		M3-M12	M3-M12	M6-M20
Length compensation tension	mm	7.5	7.5	12.5
D2	mm	20	25	25
Length compensation pressure	mm	7.5	7.5	12.5
Inserts		T1	T1	T2
A	mm	42	42	64
D	mm	38.2	38.2	55.2
T	mm	7.5	7.5	12.5
C	mm	7.5	7.5	12.5
d	mm	19	19	31



330901 NERIOX Quick-change insert without coupling (M3-M14)

For thread tapping chuck size 1
For holding taps and thread formers
Also suitable for central coolant feed (IKP) through the tap shank

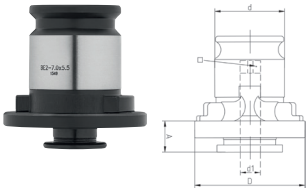
Order ID	D mm	d1 mm	Square piece mm	Type	d mm	A mm
330901.0100	30	3.5	2.7	T1	19	7
330901.0200	30	4.5	3.4	T1	19	7
330901.0300	30	6	4.9	T1	19	7
330901.0400	30	7	5.5	T1	19	7
330901.0500	30	8	6.2	T1	19	7
330901.0600	30	9	7	T1	19	7
330901.0700	30	10	8	T1	19	7
330901.0800	30	11	9	T1	19	7





330911 NERIOX Quick-change insert without coupling (M6-M20)

- For holding taps and thread formers
- Also suitable for central coolant feed (IKP) through the tap shank

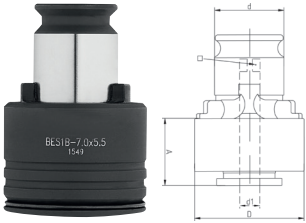


Order ID	D mm	d1 mm	Square piece mm	Type	d mm	A mm
330911.0100	48	6	4.9	T2	31	11
330911.0200	48	7	5.5	T2	31	11
330911.0300	48	8	6.2	T2	31	11
330911.0400	48	9	7	T2	31	11
330911.0500	48	10	8	T2	31	11
330911.0600	48	11	9	T2	31	11
330911.0700	48	12	9	T2	31	11
330911.0800	48	14	11	T2	31	11
330911.0900	48	16	12	T2	31	11



330921 NERIOX Quick-change insert with coupling M3-M14

- For holding taps and thread formers
- With preset safety clutch to prevent the tap from breaking
- Also suitable for central coolant feed (IKP) through the tap shank

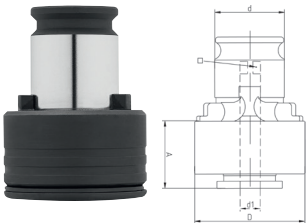


Order ID	D mm	d1 mm	Square piece mm	Type	d mm	A mm
330921.0100	32	3.5	2.7	T1	19	25
330921.0200	32	4.5	3.4	T1	19	25
330921.0300	32	6	4.9	T1	19	25
330921.0400	32	7	5.5	T1	19	25
330921.0500	32	8	6.2	T1	19	25
330921.0600	32	9	7	T1	19	25
330921.0700	32	10	8	T1	19	25
330921.0800	32	11	9	T1	19	25



330931 NERIOX Quick-change insert with coupling (M6-M20)

- For holding taps and thread formers
- With preset safety clutch to prevent the tap from breaking
- Also suitable for central coolant feed (IKP) through the tap shank



Order ID	D mm	d1 mm	Square piece mm	Type	d mm	A mm
330931.0100	50	6	4.9	T2	31	34
330931.0200	50	7	5.5	T2	31	34
330931.0300	50	8	6.2	T2	31	34
330931.0400	50	9	7	T2	31	34
330931.0500	50	10	8	T2	31	34
330931.0600	50	11	9	T2	31	34
330931.0700	50	12	9	T2	31	34
330931.0800	50	14	11	T2	31	34
330931.0900	50	16	12	T2	31	34

314830 NERIOX Quick change tapping chuck

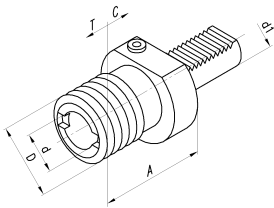
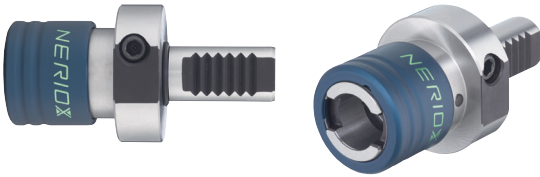
DIN69880

Application:

Elastic length compensation on tension and pressure (right and left-hand threads). Eliminates machine-related thread cutting errors.

Usable with:

- 330901 NERIOX Quick-change insert without coupling (M3-M14)
- 330911 NERIOX Quick-change insert without coupling (M6-M20)
- 330921 NERIOX Quick-change insert with coupling M3-M14
- 330931 NERIOX Quick-change insert with coupling (M6-M20)



Order ID	Shaft Ø mm	Tap drill	A mm	Length compensation pressure mm	Length compensation tension mm	Inserts	d1 mm	D mm	T mm	d mm	C mm
314830.0100	20	M3-M14	56	7	7	T1	20	38	7	19	7
314830.0200	30	M3-M14	61.5	7	7	T1	30	38	7	19	7
314830.0300	40	M3-M14	61.5	7	7	T1	40	38	7	19	7
314830.0500	30	M6-M20	86	12	12	T2	30	54	12	31	12
314830.0600	40	M6-M20	86	12	12	T2	40	54	12	31	12

339201 NERIOX Collet chuck ER

DIN 6499

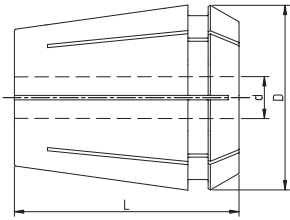


Made of steel, with ER collet holder, According to DIN 6499, Nominal size ER11 - ER40, Workpiece-side mount with cylindrical shank

Type ER Standard

Application: For drilling, milling, reaming and thread cutting, as well as grinding.
Concentricity precision: ≤ 10 µm over the entire clamping range.

NERIOX



Order ID	Type	d mm	Range mm	L mm	D mm	Order ID	Type	d mm	Range mm	L mm	D mm
339201.0010	ER 11	1	1...0.5	18	11.5	339201.0440	ER 25	16	16...15	34	26
339201.0020	ER 11	2	1...1.5	18	11.5	339201.0445	ER 32	2	2...1.5	40	33
339201.0030	ER 11	3	3...2.5	18	11.5	339201.0450	ER 32	3	3...2	40	33
339201.0040	ER 11	4	4...3.5	18	11.5	339201.0460	ER 32	4	4...3	40	33
339201.0050	ER 11	5	5...4.5	18	11.5	339201.0470	ER 32	5	5...4	40	33
339201.0060	ER 11	6	6...5.5	18	11.5	339201.0480	ER 32	6	6...5	40	33
339201.0070	ER 11	7	7...6.5	18	11.5	339201.0490	ER 32	7	7...6	40	33
339201.0080	ER 16	1	1...0.5	27.5	17	339201.0500	ER 32	8	8...7	40	33
339201.0090	ER 16	2	2...1.5	27.5	17	339201.0510	ER 32	9	9...8	40	33
339201.0100	ER 16	3	3...2	27.5	17	339201.0520	ER 32	10	10...9	40	33
339201.0110	ER 16	4	4...3	27.5	17	339201.0530	ER 32	11	11...10	40	33
339201.0120	ER 16	5	5...4	27.5	17	339201.0540	ER 32	12	12...11	40	33
339201.0130	ER 16	6	6...5	27.5	17	339201.0550	ER 32	13	13...12	40	33
339201.0140	ER 16	7	7...6	27.5	17	339201.0560	ER 32	14	14...13	40	33
339201.0150	ER 16	8	8...7	27.5	17	339201.0570	ER 32	15	15...14	40	33
339201.0160	ER 16	9	9...8	27.5	17	339201.0580	ER 32	16	16...15	40	33
339201.0170	ER 16	10	10...9	27.5	17	339201.0590	ER 32	17	17...16	40	33
339201.0175	ER 20	1	1...0.5	31.5	21	339201.0600	ER 32	18	18...17	40	33
339201.0180	ER 20	2	2...1.5	31.5	21	339201.0610	ER 32	19	19...18	40	33
339201.0190	ER 20	3	3...2	31.5	21	339201.0620	ER 32	20	20...19	40	33
339201.0200	ER 20	4	4...3	31.5	21	339201.0625	ER 40	3	3...2.5	46	41
339201.0210	ER 20	5	5...4	31.5	21	339201.0630	ER 40	4	4...3	46	41
339201.0220	ER 20	6	6...5	31.5	21	339201.0640	ER 40	5	5...4	46	41
339201.0230	ER 20	7	7...6	31.5	21	339201.0650	ER 40	6	6...5	46	41
339201.0240	ER 20	8	8...7	31.5	21	339201.0660	ER 40	7	7...6	46	41
339201.0250	ER 20	9	9...8	31.5	21	339201.0670	ER 40	8	8...7	46	41
339201.0260	ER 20	10	10...9	31.5	21	339201.0680	ER 40	9	9...8	46	41
339201.0270	ER 20	11	11...10	31.5	21	339201.0690	ER 40	10	10...9	46	41
339201.0280	ER 20	12	12...11	31.5	21	339201.0700	ER 40	11	11...10	46	41
339201.0290	ER 20	13	13...12	31.5	21	339201.0710	ER 40	12	12...11	46	41
339201.0295	ER 25	1	1...0.5	34	26	339201.0720	ER 40	13	13...12	46	41
339201.0300	ER 25	2	2...1.5	34	26	339201.0730	ER 40	14	14...13	46	41
339201.0310	ER 25	3	3...2	34	26	339201.0740	ER 40	15	15...14	46	41
339201.0320	ER 25	4	4...3	34	26	339201.0750	ER 40	16	16...15	46	41
339201.0330	ER 25	5	5...4	34	26	339201.0760	ER 40	17	17...16	46	41
339201.0340	ER 25	6	6...5	34	26	339201.0770	ER 40	18	18...17	46	41
339201.0350	ER 25	7	7...6	34	26	339201.0780	ER 40	19	19...18	46	41
339201.0360	ER 25	8	8...7	34	26	339201.0790	ER 40	20	20...19	46	41
339201.0370	ER 25	9	9...8	34	26	339201.0800	ER 40	21	21...20	46	41
339201.0380	ER 25	10	10...9	34	26	339201.0810	ER 40	22	22...21	46	41
339201.0390	ER 25	11	11...10	34	26	339201.0820	ER 40	23	23...22	46	41
339201.0400	ER 25	12	12...11	34	26	339201.0830	ER 40	24	24...23	46	41
339201.0410	ER 25	13	13...12	34	26	339201.0840	ER 40	25	25...24	46	41
339201.0420	ER 25	14	14...13	34	26	339201.0850	ER 40	26	26...25	46	41
339201.0430	ER 25	15	15...14	34	26						

339211 NERIOX Assortment of collet chucks ER

DIN 6499

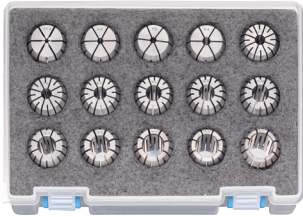
Type ER Standard

Concentricity precision: ≤ 10 µm over the entire clamping range.
Increment: 1mm

Scope of supply: Assorted on plastic plug board.

Order ID	Type	Range mm	Each	d mm
339211.0100	ER 11	0.5...7	7	1...7
339211.0200	ER 16	0.5...10	10	1...10
339211.0300	ER 20	1.5...13	12	2...13
339211.0400	ER 25	1.5...16	15	2...16
339211.0500	ER 32	2.5...20	18	3...20
339211.0600	ER 40	3...26	23	4...26

NERIOX



ER25



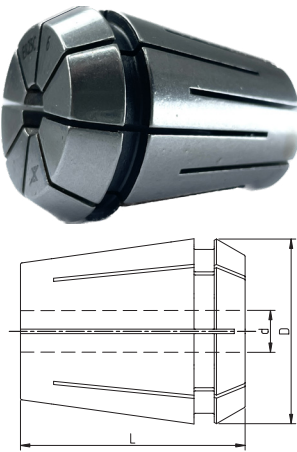
339204 NERIOX Collet chuck ER sealed

DIN 6499

ER self-sealing type, ideal for tools with internal coolant supply and shank tolerance h7.

True running accuracy: ≤ 10 µm over the entire clamping range.

Application: The nominal diameter of the collet must correspond to the shank diameter of the tool. The shank must be clamped over its entire length. **Not suitable** for tools with clamping surfaces.



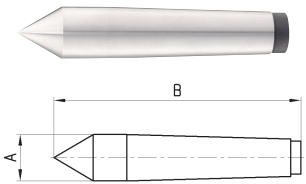
Order ID	Type	d mm	Range mm	D mm	L mm
339204.0040	ER 16	5	5	17	27.5
339204.0050	ER 16	6	6	17	27.5
339204.0060	ER 16	7	7	17	27.5
339204.0070	ER 16	8	8	17	27.5
339204.0080	ER 16	9	9	17	27.5
339204.0090	ER 16	10	10	17	27.5
339204.0150	ER 25	7	7	26	34
339204.0160	ER 25	8	8	26	34
339204.0170	ER 25	9	9	26	34
339204.0180	ER 25	10	10	26	34
339204.0190	ER 25	11	11	26	34
339204.0200	ER 25	12	12	26	34
339204.0210	ER 25	13	13	26	34
339204.0220	ER 25	14	14	26	34
339204.0230	ER 25	15	15	26	34
339204.0240	ER 25	16	16	26	34
339204.0310	ER 32	8	8	33	40
339204.0320	ER 32	9	9	33	40
339204.0330	ER 32	10	10	33	40
339204.0340	ER 32	11	11	33	40
339204.0350	ER 32	12	12	33	40
339204.0360	ER 32	13	13	33	40
339204.0370	ER 32	14	14	33	40
339204.0380	ER 32	15	15	33	40
339204.0390	ER 32	16	16	33	40
339204.0400	ER 32	17	17	33	40
339204.0410	ER 32	18	18	33	40
339204.0420	ER 32	19	19	33	40
339204.0430	ER 32	20	20	33	40

343001 NERIOX Fixed centring tips

DIN 806
60° with complete tip.
Made of tool steel, hardened, ground.

Order ID	MT	A mm	B mm	Weight kg
343001.0100	MK1	12.2	80	0.057
343001.0200	MK2	18	100	0.15
343001.0300	MK3	24.1	125	0.334
343001.0400	MK4	31.6	160	0.746
343001.0500	MK5	44.7	200	1.862

NERIOX

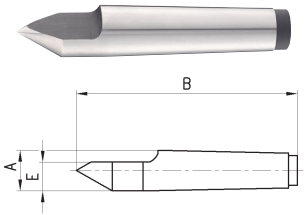


343021 NERIOX Fixed centring tips

DIN 806
60° with half tip.
Made of tool steel, hardened, ground.

Order ID	MT	E mm	A mm	B mm	Weight kg
343021.0100	MK1	7.6	12.065	80	0.057
343021.0200	MK2	11	17.78	100	0.15
343021.0300	MK3	15	23.825	125	0.334
343021.0400	MK4	21	31.267	160	0.746
343021.0500	MK5	29.4	44.399	200	1.862

NERIOX

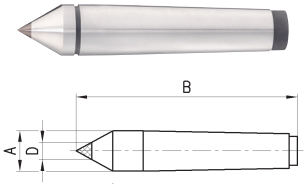


343041 NERIOX Fixed centring tips

With carbide insert
DIN 806
60° with complete tip.

Order ID	MT	D mm	A mm	B mm	Weight kg
343041.0100	MK1	8	12.2	80	0.057
343041.0200	MK2	8	18	100	0.151
343041.0300	MK3	12	24.1	125	0.335
343041.0400	MK4	15	31.6	160	0.746
343041.0500	MK5	18	44.7	200	1.826

NERIOX

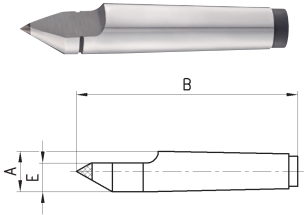


343061 NERIOX Fixed centring tips

With carbide insert
DIN 806
60° with complete tip.

Order ID	MT	E mm	A mm	B mm	Weight kg
343061.0100	MK1	7.6	12.2	80	0.06
343061.0200	MK2	11	18	100	0.15
343061.0300	MK3	15	24.1	125	0.34
343061.0400	MK4	21	31.6	160	0.71
343061.0500	MK5	29.4	44.7	200	1.78

NERIOX

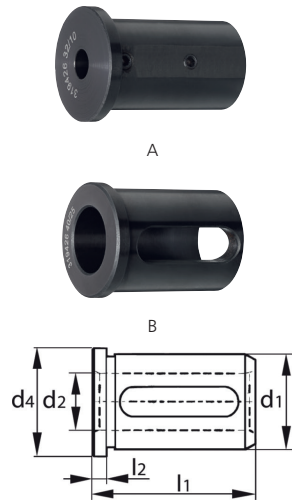




314950 NERIOX Reducing adapter

Version:
Suitable for VDI arbors form E2.
Suitable for internal cooling, not slotted. Tool is fixed and clamped with 2 clamping screws.

Application:
For Ø-reduction for tools with plain shanks.



Order ID	d1 mm	d2 mm	d4 mm	l1 mm	l2 mm	Type
314950.0100	25	4	29	50	4	A
314950.0200	25	5	29	50	4	A
314950.0300	25	6	29	50	4	A
314950.0400	25	8	29	50	4	A
314950.0500	25	10	29	50	4	A
314950.0600	25	12	29	50	4	A
314950.0650	25	14	29	50	4	B
314950.0700	25	16	29	50	4	B
314950.0800	25	20	29	50	4	B
314950.0900	32	5	40	58	5	A
314950.1000	32	6	40	58	5	A
314950.1100	32	8	40	58	5	A
314950.1200	32	10	40	58	5	A
314950.1300	32	12	40	58	5	A
314950.1350	32	14	40	58	5	B
314950.1400	32	16	40	58	5	B
314950.1500	32	20	40	58	5	B
314950.1600	32	25	40	58	5	B
314950.1700	40	6	44	58	5	A
314950.1800	40	8	44	58	5	A
314950.1900	40	10	44	58	5	A
314950.2000	40	12	44	58	5	A
314950.2050	40	14	44	58	5	B
314950.2100	40	16	44	58	5	B
314950.2200	40	20	44	58	5	B
314950.2300	40	25	44	58	5	B
314950.2400	40	32	44	58	5	B
314950.2500	50	12	54	75	5	A
314950.2550	50	14	54	75	5	B
314950.2600	50	16	54	75	5	B
314950.2700	50	20	54	75	5	B
314950.2800	50	25	54	75	5	B
314950.2900	50	32	54	75	5	B
314950.3000	50	40	54	75	5	B



342562 NERIOX Conical clamping sleeve for taps

DIN 6328
Version: Completely hardened, bore and male taper ground.
Usage data: For holding in adjustable adapters, floating tool holders, quick-change inserts and multi-spindle units with closely spaced spindles.
Application: For holding of cylindrical taps and reamers with internal square

Unsuitable for milling work.

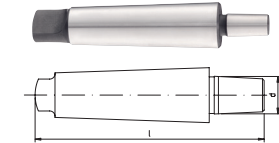


Order ID	Morse taper	Ø mm	Square piece mm	Order ID	Morse taper	Ø mm	Square piece mm
342562.0100	MK1	4	3.2	342562.1000	MK2	12	9.2
342562.0200	MK1	4.5	3.4	342562.1100	MK2	12.5	10.5
342562.0300	MK1	5	4.2	342562.1200	MK3	12.5	10.5
342562.0400	MK1	6	5.4	342562.1300	MK3	14	11.2
342562.0500	MK2	6.3	5.5	342562.1400	MK3	16	12.1
342562.0600	MK2	8	6.2	342562.1500	MK4	18	15.2
342562.0700	MK2	9	7.3	342562.1600	MK4	20	16.4
342562.0800	MK2	10	8.2	342562.1700	MK4	22	18.2
342562.0900	MK2	11	9.2				



342501 NERIOX Insert cone

Taper shank shaft
Taper drill chuck DIN 238.



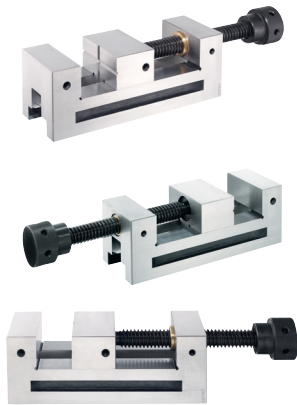
Order ID	Morse taper	Taper drill chuck	d mm	l mm	Order ID	Morse taper	Taper drill chuck	d mm	l mm
342501.0100	MK0	B10	10.09	80	342501.1400	MK3	B18	17.78	139
342501.0200	MK0	B12	12.06	84	342501.1500	MK3	B22	21.79	147
342501.0300	MK1	B10	10.09	86	342501.1600	MK3	B24	23.82	157
342501.0400	MK1	B12	12.06	90	342501.1700	MK4	B12	12.06	149
342501.0500	MK1	B16	15.73	97	342501.1800	MK4	B16	15.73	156
342501.0600	MK1	B18	17.78	105	342501.1900	MK4	B18	17.78	164
342501.0700	MK2	B10	10.09	101	342501.2000	MK4	B22	21.79	172
342501.0800	MK2	B12	12.06	105	342501.2100	MK4	B24	23.82	182
342501.0900	MK2	B16	15.73	112	342501.2200	MK5	B16	15.73	188
342501.1000	MK2	B18	17.78	120	342501.2300	MK5	B18	17.78	196
342501.1100	MK2	B22	21.79	128	342501.2400	MK5	B22	21.79	204
342501.1200	MK3	B12	12.06	124	342501.2500	MK5	B24	23.82	214
342501.1300	MK3	B16	15.73	131					

410121 NERIOX Vice

Made from tool steel, hardened and ground on all sides, parallelism and squareness 0.005 mm/100 mm, useable on 4 seats. Horizontal and vertical V-block in the movable jaw.

Order ID		410121.0100	410121.0200	410121.0300	410121.0400
Jaw width	mm	50	63	73	100
Clamping width	mm	65	85	100	125
Jaw height	mm	25	32	35	45
Length	mm	155	190	210	260
Height	mm	50	65	74	95
Weight	kg	3	3.8	5	13

NERIOX



410601 NERIOX Machine vice

Mechanical clamping system, steel body with hardened and ground guides, low design, clamping repeatability 0.02 mm, **with pull-down jaws**.

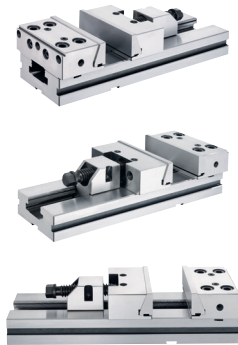
Grooves for sliding block: 16 mm

Accessories (included in the scope of delivery):

- 1x chuck key
- 1x workpiece stop including fixing screws
- 1x chuck key for workpiece stop
- 2x precision sliding blocks including fixing screws (Slot nut size 16x16)
- 4x adjustable clamps

Order ID		410601.0100	410601.0200	410601.0300	410601.0400
Jaw width	mm	100	125	150	150
Clamping width	mm	100	150	200	300
Jaw height	mm	30	40	50	50
Length	mm	270	345	420	520
Height	mm	65	80	100	100
Weight	kg	7	12.7	25.6	29.5

NERIOX

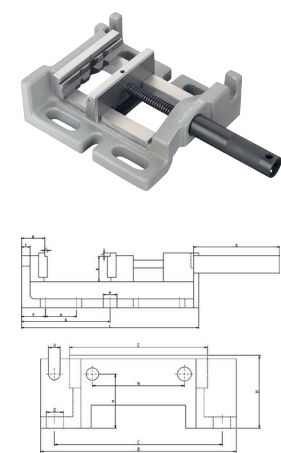


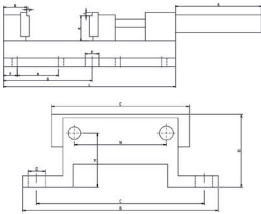
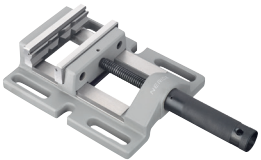
410081 NERIOX V-block drilling machine vice

With three face-milled contact surfaces: Normal position, right and front side. Machine different sides without the need for re-clamping. Simple design, cast body, with universal mounting fixture, movable jaw guided laterally, fixed jaw with V-blocks, both clamping jaws with offset.

Order ID		410081.0100
Jaw width	mm	100
Jaw height	mm	30
Clamping width	mm	105
A	mm	35
B	mm	158
C	mm	125
D	mm	14
E	mm	100
F	mm	30
G	mm	92
H	mm	62
I	mm	3.5
J	mm	8
K	mm	22
L	mm	182
M	mm	45
N	mm	50
P	mm	14
Q	mm	33
S	mm	100
T	mm	14
U	mm	12
Weight	kg	5.1

NERIOX





410101 NERIOX V-block drilling machine vice

Simple design, cast base body, with universal mounting fixture, movable jaw guided laterally, fixed jaw with V-blocks, both clamping jaws with offset.

Order ID		410101.0100	410101.0200	410101.0300
Jaw width	mm	80	100	120
Jaw height	mm	30	30	30
Clamping width	mm	65	87	112
A	mm	30	36	48
B	mm	142	154	175
C	mm	110	122	145
D	mm	15	15	15
E	mm	80	100	120
F	mm	21	21	16
G	mm	74.5	88	107
H	mm	58	62	65
I	mm	3.5	3.5	3.5
J	mm	8	8	8
K	mm	22	22	28
L	mm	149	174	215
M	mm	40	44	46
N	mm	40	50	80
P	mm	15	15	15
Q	mm	33	28	30
S	mm	82	10	120
Weight	kg	3.6	4.3	6.3



418631 NERIOX Magnetic V-block

4 magnetic adhesive surfaces (top and bottom), which are switched on and off together.

Order ID		418631.0100	418631.0200
Height	mm	72	100
Width	mm	56	75
Length	mm	80	115
Adhesive strength	N	550...700	850...1000
Weight	kg	3	5.5
Parallelism	µm	50 / 100	50 / 100
Angularity	µm	70 / 100	70 / 100
Width V-block	mm	36	48
Work piece Ø	mm	6...40	6...60

NERIOX

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NERIOX

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NERIOX



318650 Flat hand file NERIOX



Engineer's file **with plastic handle**, in high-quality steel, with double cut, for work on ferrous and non-ferrous metals.

Order ID	Length in	Cut	Length mm	Profile mm
318650.0100	8	2 second cut	200	19.2 x 4.3
318650.0200	10	2 second cut	250	23.2 x 5

NERIOX



318655 Half-round file NERIOX



Engineer's file **with plastic handle**, in high-quality steel, with double cut, for work on ferrous and non-ferrous metals.

Order ID	Length in	Cut	Length mm	Profile mm
318655.0100	8	2 second cut	200	20.2 x 5.6
318655.0200	10	2 second cut	250	23.2 x 6.5

NERIOX



318660 Three square file NERIOX



Engineer's file **with plastic handle**, in high-quality steel, with double cut, for work on ferrous and non-ferrous metals.

Order ID	Length in	Cut	Length mm	Profile mm
318660.0100	8	2 second cut	200	12.5
318660.0200	10	2 second cut	250	15.5

NERIOX



318665 Square file NERIOX



Engineer's file **with plastic handle**, in high-quality steel, with double cut, for work on ferrous and non-ferrous metals.

Order ID	Length in	Cut	Length mm	Profile mm
318665.0100	8	2 second cut	200	6.6
318665.0200	10	2 second cut	250	8.6

NERIOX



318670 Round file NERIOX



Engineer's file **with plastic handle**, in high-quality steel, with double cut, for work on ferrous and non-ferrous metals.

Order ID	Length in	Cut	Length mm	Profile mm
318670.0100	8	2 second cut	200	6.8
318670.0200	10	2 second cut	250	8.9

318675 Set of engineer's files NERIOX



5-piece, in case. Engineer's files with plastic handle, in high-quality steel, with double cut, for work on ferrous and non-ferrous metals.

Order ID	Length in	Cut	Length mm	Shape
318675.0100	8	2 second cut	200	Flat hand Half-round Three-square Square Round
318675.0200	10	2 second cut	250	Flat hand Half-round Three-square Square Round

NERIOX



318680 Flat hand file NERIOX



Engineer's files made of high-quality steel, with double-cut, for working ferrous and non-ferrous materials.

Order ID	Length in	Cut	Length mm	Profile mm
318680.0100	8	2 second cut	200	19.2 x 4.3
318680.0200	10	2 second cut	250	23.2 x 5

NERIOX



318685 Half-round files NERIOX



Engineer's files made of high-quality steel, with double-cut, for working ferrous and non-ferrous materials.

Order ID	Length in	Cut	Length mm	Profile mm
318685.0100	8	2 second cut	200	20.2 x 5.6
318685.0200	10	2 second cut	250	23.2 x 6.5

NERIOX



318690 Triangular file NERIOX



Engineer's files made of high-quality steel, with double-cut, for working ferrous and non-ferrous materials.

Order ID	Length in	Cut	Length mm	Profile mm
318690.0100	8	2 second cut	200	12.5
318690.0200	10	2 second cut	250	15.5

NERIOX



318695 Square file NERIOX



Engineer's files made of high-quality steel, with double-cut, for working ferrous and non-ferrous materials.

Order ID	Length in	Cut	Length mm	Profile mm
318695.0100	8	2 second cut	200	6.6
318695.0200	10	2 second cut	250	8.6

NERIOX



318715 Round file NERIOX



Engineer's files made of high-quality steel, with double-cut, for working ferrous and non-ferrous materials.

Order ID	Length in	Cut	Length mm	Profile mm
318715.0100	8	2 second cut	200	6.8
318715.0200	10	2 second cut	250	8.9

NERIOX



NERIOX



324050 Metal-cutting saw frame NERIOX

Ergonomic metal saw blade **with high blade tension for straight, clean cuts**. Perfectly suited **for demanding metalwork, installations, pipe cutting** or DIY projects. Sturdy construction with rubberized, non-slip handle for optimum comfort and control. Spring-loaded blade attachment integrated in the handle for quick blade changes. With NERIOX bi-metal blade 300 mm, 24 teeth per inch.

Appropriate accessories:

- 324350 Hand saw blades NERIOX
- 324355 Hand saw blades NERIOX PROGRESSIVE

Order ID	Saw blade mm	Teeth / inch	Capacity mm	Overall length mm	Weight g
324050.0100	300	24	110	400	570

NERIOX



324190 Metal-cutting saw frame NERIOX

The compact metal saw bow is the ideal tool **for working in hard-to-reach places**. Perfect for craftsmen, enthusiasts and model builders, this handy saw bow impresses with its robust design and versatility. Quick and easy change of the saw blade. With NERIOX bi-metal blade 300 mm, 24 teeth per inch.

Appropriate accessories:

- 324350 Hand saw blades NERIOX
- 324355 Hand saw blades NERIOX PROGRESSIVE

Order ID	Saw blade mm	Teeth / inch	Capacity mm	Overall length mm	Weight g
324190.0100	300	24	40	250	105

NERIOX



324210 Metal-cutting saw frame NERIOX

Lightweight and sturdy design - **Specially developed for trainees, DIY enthusiasts and users in industry**. It combines **robust quality with easy handling**. The 2-component plastic handle sits comfortably in the hand, is ergonomic and enables comfortable use, even when working for long periods. With NERIOX bi-metal blade 300 mm, 24 teeth per inch.

Appropriate accessories:

- 324350 Hand saw blades NERIOX
- 324355 Hand saw blades NERIOX PROGRESSIVE

Order ID	Saw blade mm	Teeth / inch	Capacity mm	Overall length mm	Weight g
324210.0100	300	24	80	520	680

NERIOX



324470 Crosscut saw NERIOX

Universal cross-cut saw for all types of wood and plastics. The robust, sharp saw blade made of hardened steel ensures clean, straight cuts with little effort. The non-slip, rubberized 2-component handle ensures comfortable handling and a secure grip, even when working for long periods or on demanding projects. The indispensable tool for DIY enthusiasts and professionals alike.

Order ID	Saw blade mm	Teeth / inch
324470.0100	460	7/8

NERIOX



324150 Junior saw NERIOX

The compact junior metal saw bow is the ideal tool **for precise cuts in confined spaces**. Perfectly suited for DIY enthusiasts, model makers and craftsmen, this handy saw bow impresses with its robust design and versatility. The saw bow fits effortlessly into toolboxes. Blade tension by adjusting the nut on the handle. Quick and uncomplicated saw blade change. Mounted saw blade made of hardened and tempered carbon steel for cuts in metal, sheet metal, aluminum, non-ferrous metals, etc.

Appropriate accessories:

- 324130 Universal saw blade NERIOX

Order ID	Saw blade mm	Teeth / inch	Overall length mm	Weight g
324150.0100	150	25	265	210

NERIOX



324180 Minisaw NERIOX

Lightweight saw with a handy size and low weight. Fits in any tool bag. Robust metal frame. Equipped with a sharp, fine-toothed saw blade (32 teeth) for precise cuts in wood, plastic and soft metals.

Appropriate accessories:

- 324130 Universal saw blade NERIOX

Order ID	Saw blade mm	Teeth / inch	Overall length mm	Weight g
324180.0100	150	32	235	77

324480 Folding pruning saw NERIOX

This folding pruning saw combines sharp precision, robust workmanship and practical handling in one tool. **Ideal for gardeners, forestry workers and outdoor enthusiasts** for sawing branches, shrubs and small trees. The precision saw blade with specially hardened teeth ensures clean, effortless cuts, even with thicker branches. With **safety lock** when the saw is open and closed. The saw can be folded up to save space and the saw blade can be stowed safely in the handle, ideal for transportation and storage.

Order ID	Saw blade mm	Teeth / inch	Length open mm	Length closed mm
324480.0100	160	7	360	210



324350 Hand saw blades NERIOX

Robust bi-metal hand saw blades **for universal use**. Blade back made of strong, flexible spring steel. Teeth precisely hardened, set and corrugated.

Usable with:

- 324000 Metal-cutting saw frame
 - 324015 Metal saw bow BAHCO
 - 324020 Metal-cutting saw frame BAHCO
 - 324025 Metal-cutting saw frame BAHCO
 - 324030 Metal-cutting saw frame BAHCO
 - 324040 Metal-cutting saw frame FatMax
 - 324050 Metal-cutting saw frame NERIOX
 - 324060 Hack saw frame FACOM
 - 324080 Hack saw frame FACOM
 - 324090 Metal-cutting saw frame BAHCO
 - 324190 Metal-cutting saw frame NERIOX
 - 324210 Metal-cutting saw frame NERIOX
- Stock package of 100 pcs / sales unit = 1 pce

Order ID	Teeth / inch	suitable for	Dimensions mm
324350.0100	18	Plastic and metal	300 x 13 x 0.65
324350.0200	24	Metal	300 x 13 x 0.65
324350.0300	32	Metal	300 x 13 x 0.65



324355 Hand saw blades NERIOX PROGRESSIVE

Robust bi-metal hand saw blades for universal use. The **progressive toothting** offers all toothting grades from 18 - 32 tooth points on one blade. This enables massively **easier sawing** and highly flexible use, e.g. for pipes and profiles with different wall thicknesses. Blade back made of strong, flexible spring steel. Teeth precisely hardened, set and serrated.

Usable with:

- 324000 Metal-cutting saw frame
- 324015 Metal saw bow BAHCO
- 324020 Metal-cutting saw frame BAHCO
- 324025 Metal-cutting saw frame BAHCO
- 324030 Metal-cutting saw frame BAHCO
- 324040 Metal-cutting saw frame FatMax
- 324050 Metal-cutting saw frame NERIOX
- 324060 Hack saw frame FACOM
- 324080 Hack saw frame FACOM
- 324090 Metal-cutting saw frame BAHCO
- 324190 Metal-cutting saw frame NERIOX
- 324210 Metal-cutting saw frame NERIOX

Order ID	Teeth / inch	suitable for	Dimensions mm
324355.0100	18...32	Universal	300 x 13 x 0.65



324130 Universal saw blade NERIOX

Made of hardened and tempered carbon steel, teeth milled and set, for universal precision sawing work in metal, sheet metal, aluminium, non-ferrous metals, etc. Suitable for „PUK“ saws. In packs of 12 pieces.

Order ID	Teeth / inch	Tooth spacing mm	Length mm
324130.0100	25	1	150
324130.0200	32	0.8	150



NERIOX



459900 Bi-metal hole saws NERIOX

Variable serration with 4/6 teeth per inch and **high-quality cobalt-alloyed bi-metal for optimum cutting quality and long service life**. Solid back allows for smooth running and precise holes for sockets, threads, cable and pipe feed-throughs, wood, plasterboard, plastic, non-ferrous metals, aluminium, steel and stainless steel from 1 mm.

Appropriate accessories:

- 459920 Hole saw arbor NERIOX
- 459930 Hole saw arbor NERIOX
- 459940 Hole saw arbor SPEED NERIOX
- 459950 Hole saw adapter SPEED NERIOX

Order ID	Ø mm	Cutting depth mm	Order ID	Ø mm	Cutting depth mm
459900.0100	16	38	459900.1200	44	38
459900.0200	19	38	459900.1300	51	38
459900.0300	20	38	459900.1400	57	38
459900.0400	22	38	459900.1500	60	38
459900.0500	25	38	459900.1600	64	38
459900.0600	27	38	459900.1700	67	38
459900.0700	29	38	459900.1800	68	38
459900.0800	30	38	459900.1900	76	38
459900.0900	32	38	459900.2000	83	38
459900.1000	35	38	459900.2100	86	38
459900.1100	38	38			

NERIOX



459985 Hole saw set NERIOX

HVAC/all-round

9-piece (Ø 19 - 68 mm), with two hole saw arbors, **for HVAC/all-round tasks**. Hole saws with variable 4/6 TPI tooth geometry for fast drilling progress and universal use. Bi-metal toothing for optimum durability and longer service life. For universal use in steel, non-ferrous metal, wood, plasterboard, plastic. Supplied in a plastic case with foam insert.

Appropriate spare parts:

- 459900 Bi-metal hole saws NERIOX
- 459920 Hole saw arbor NERIOX
- 459930 Hole saw arbor NERIOX

Order ID	Parts	Ø mm	Accessories
459985.0100	9	19, 25, 32, 38, 44, 57, 68	1 hole saw arbor for Ø 14 to 30 mm 1 quick-change hole saw arbor for Ø 32 to 250 mm

NERIOX



459995 Hole saw set NERIOX

All-round Speed

20-piece (Ø 19 - 76 mm), with Speed hole saw arbor and adapter set, **for all-round tasks**. Hole saws with variable 4/6 TPI tooth geometry for fast drilling progress and universal use. **Switch between different diameters and different types of hole saws in seconds**. Exact concentricity and dimensionally stable diameter. Designed for extreme use and a long service life (heavy duty). No time-consuming seizing of the hole saws on the holding thread. Use of two hole saws at the same time, for hole enlargements (including with different thread sizes). Supplied in a plastic case with foam insert.

Appropriate spare parts:

- 459900 Bi-metal hole saws NERIOX
- 459940 Hole saw arbor SPEED NERIOX
- 459950 Hole saw adapter SPEED NERIOX

Order ID	Parts	Ø mm	Accessories
459995.0100	20	19, 22, 25, 32, 38, 44, 57, 68, 76	1 hole saw arbor SPEED for Ø 14 to 250 mm 1 hole saw adapter set SPEED

NERIOX



459980 Hole saw set NERIOX

Electronics engineers

8-piece (Ø 22 - 64 mm), with two hole saw arbors, **for electronics engineers**. Hole saws with variable 4/6 TPI tooth geometry for fast drilling progress and universal use. Bi-metal toothing for optimum durability and longer service life. For universal use in steel, non-ferrous metal, wood, plasterboard, plastic. Supplied in a plastic case with foam insert.

Appropriate spare parts:

- 459900 Bi-metal hole saws NERIOX
- 459920 Hole saw arbor NERIOX
- 459930 Hole saw arbor NERIOX

Order ID	Parts	Ø mm	Accessories
459980.0100	8	22, 29, 35, 44, 51, 64	1 hole saw arbor for Ø 14 to 30 mm 1 quick-change hole saw arbor for Ø 32 to 250 mm

459990 Hole saw set NERIOX

All-round

13-piece (Ø 19 - 76 mm), with two hole saw arbors and centrifugal spring, **for all-round tasks**. Hole saws with variable 4/6 TPI tooth geometry for fast drilling progress and universal use. Bi-metal toothing for optimum durability and longer service life. For universal use in steel, non-ferrous metal, wood, plaster-board, plastic. Supplied in a plastic case with foam insert.

Appropriate spare parts:

459900 Bi-metal hole saws NERIOX

459920 Hole saw arbor NERIOX

459930 Hole saw arbor NERIOX

Order ID	Parts	Ø mm	Accessories
459990.0100	13	19, 22, 25, 32, 35, 38, 44, 57, 68, 76	1 hole saw arbor for Ø 14 to 30 mm 1 quick-change hole saw arbor for Ø 32 to 250 mm 1 centrifugal spring

NERIOX



459920 Hole saw arbor NERIOX

For bi-metal hole saws Ø 14 - 30 mm, with centre drill. Standard arbors with various shank thicknesses.

Usable with:

459900 Bi-metal hole saws NERIOX

Appropriate spare parts:

459960 Centre drill NERIOX

Order ID	Type	for Ø mm	Shank
459920.0100	Standard arbor	14...30	Hexagon 9.5 mm
459920.0200	Standard arbor	14...30	Hexagon 11 mm

NERIOX



459920.0100



459920.0200

459930 Hole saw arbor NERIOX

For bi-metal hole saws Ø 32 - 250 mm, with centre drill. Standard and quick-change arbors.

Usable with:

459900 Bi-metal hole saws NERIOX

Appropriate spare parts:

459960 Centre drill NERIOX

Order ID	Type	for Ø mm	Shank
459930.0100	Standard arbor	32...250	Hexagon 11 mm
459930.0200	Quick-change arbor	32...250	Hexagon 11 mm

NERIOX



459930.0100



459930.0200

459940 Hole saw arbor SPEED NERIOX

For bi-metal hole saws Ø 14 - 250 mm. Switch between different diameters and different types of hole saws in seconds. **One arbor for all diameters**. Exact concentricity and dimensionally stable diameters. **Designed for extreme use and a long service life** (heavy duty). No time-consuming seizing of the hole saws on the holding thread. Use of two hole saws at the same time, for hole enlargements (including with different thread sizes). Suitable for all common hole saw brands with standard thread 1/2" (20 UNF) or 5/8" (18 UNF).

Usable with:

459900 Bi-metal hole saws NERIOX

Order ID	Type	for Ø mm	Shank
459940.0100	SPEED quick-change arbor	14...250	Hexagon 9.5 mm

NERIOX



459950 Hole saw adapter SPEED NERIOX

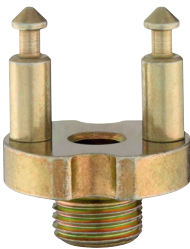
Adapter for the SPEED quick-change system for hole enlargement. The adapter enables you to switch between different diameters and different types of hole saws in seconds. Using the adapter, it is possible to enlarge previously made holes that are too small. The smaller of the two screwed-on hole saws serves as a centring device for the cut of the larger hole saw.

Usable with:

459900 Bi-metal hole saws NERIOX

Order ID	for Ø mm
459950.0100	14...30
459950.0200	32...250

NERIOX



459950.0100

NERIOX



459960.0100

459960 Centre drill NERIOX

Shank Ø 6.3 mm. Drills a hole in the workpiece before the teeth of the hole saw take effect. It guides the hole saw and holds it in the correct position during sawing.

Suitable for:

459920 Hole saw arbor NERIOX

459930 Hole saw arbor NERIOX

Order ID	Shaft Ø mm	Length mm
459960.0100	6.3	83
459960.0200	6.3	102

NERIOX



569560.0100



569560.0200

569560 Sabre saw blades NERIOX

Metal LONG LIFE

Bi-metal sabre saw blades with a **long service life** and fast cutting progress **for metals from 2.5 mm and wood with nails**. Teeth milled and set with special Vario toothing. In packs of 5. Similar to BOSCH Ref. S123XF. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569560.0100	-	130	10/14	All types of wood with metal residues, steel, aluminium, non-ferrous metals
569560.0200	S123XF	205	10/14	All types of wood with metal residues, steel, aluminium, non-ferrous metals

NERIOX



569570.0200

569570 Sabre saw blades NERIOX

Wood and metal HEAVY DUTY

High-performance bi-metal sabre saw blades **for fast and straight cuts in metals from 2.5 mm and wood with nails**. Teeth milled and set with special Vario toothing. In packs of 5. Similar to BOSCH Ref. S1136BEF. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569570.0100	S1136BEF	205	10/14	All types of wood with metal residues, steel, fast and straight cuts
569570.0200	-	280	10/14	All types of wood with metal residues, steel, fast and straight cuts

NERIOX



569580.0100

569580 Sabre saw blades NERIOX

Wood FAST CUT

HCS/CV sabre saw blades **for fast, straight cuts in all types of wood, plastics and plasterboard (6 - 100 mm)**. Teeth cross-ground and set. In packs of 5. Similar to BOSCH Ref. S611DF. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569580.0100	S644D	130	6	All types of wood, plastics, plasterboard, fast and straight cuts

NERIOX



569590.0100

569590 Sabre saw blades NERIOX

Wood and aluminium

Bi-metal sabre saw blades with a long service life. **For fast, straight cuts in all types of wood and plastics**. Also suitable for window disassembly. Teeth milled and set. In packs of 5. Similar to BOSCH Ref. S1411DF. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569590.0100	S1411DF	280	6	All types of wood, plastics, aluminium, window disassembly, fast and straight cuts

NERIOX



569600.0100

569600 Sabre saw blades NERIOX

Window disassembly

Bi-metal sabre saw blades for straight cuts **in all types of wood with metal residues and steel from 3 mm. Specially suited to window disassembly**. Teeth milled and set with Vario toothing. In packs of 5. Similar to BOSCH Ref. S3456XF. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569600.0100	S3456XF	180	8/10	All types of wood with metal residues, steel, window disassembly, straight cuts

569610 Sabre saw blades NERIOX

Wood GARDENING

HCS/CV sabre saw blades for cuts in green wood. Teeth set, cross-ground and inductively hardened with Vario toothing. In packs of 5. Similar to BOSCH Ref. S1531L. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569610.0100	S1531L	220	4/5	Green wood

NERIOX



569610.0100

569620 Sabre saw blades NERIOX

Metal

Universal bi-metal sabre saw blades for cuts in steel, stainless steel and non-ferrous metals. Teeth milled. In packs of 5. Similar to BOSCH Ref. S...BF AND S...HF. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569620.0100	S922BF	130	14	steel, stainless steel, non-ferrous metals
569620.0200	S1122BF	180	14	steel, stainless steel, non-ferrous metals
569620.0300	-	230	14	steel, stainless steel, non-ferrous metals
569620.0400	S922HF	130	10	steel, stainless steel, non-ferrous metals

NERIOX



569620.0100



569620.0200

569630 Sabre saw blades NERIOX

Metal FLEXIBLE

Universal, flexible bi-metal sabre saw blades for cuts in steel and stainless steel. Teeth milled and corrugated. In packs of 5. Similar to BOSCH Ref. S...EF. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569630.0100	S522EF	80	18	Steel, stainless steel
569630.0200	S922EF	130	18	Steel, stainless steel
569630.0300	S1122EF	180	18	Steel, stainless steel
569630.0400	-	260	18	Steel, stainless steel

NERIOX



569630.0100



569630.0200

569640 Sabre saw blades NERIOX

Metal HEAVY DUTY

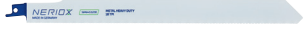
High-performance bi-metal sabre saw blades for fast, straight cuts in metals from 1.5 mm. Teeth milled and corrugated. In packs of 5. Similar to BOSCH Ref. S1226BEF. For all sabre saws with 1/2" universal shank system

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569640.0100	-	205	18	Steel, fast and straight cuts
569640.0200	S1226BEF	280	18	Steel, fast and straight cuts

NERIOX



569640.0100



569640.0200

569550 Sabre saw blades NERIOX

Wood and metal FLEXIBLE

Universal bi-metal sabre saw blades for all types of wood with metal residues and steel from 2.5 mm. Teeth milled and set. Vario toothing. Specifically for pallet repairs. In packs of 5. Similar to BOSCH Ref. S922VF, S1222VF. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569550.0100	S922VF	130	10/14	All types of wood with metal residues, steel, pallet repairs
569550.0200	S1122VF	260	10/14	All types of wood with metal residues, steel, pallet repairs

NERIOX



569550.0100



569550.0200

569650 Sabre saw blades NERIOX

Metal HEAVY DUTY RESCUE

Extra strong and robust bi-metal sabre saw blades for straight cuts in steel from 3 mm and wood with metal residues. Specially designed for disassembly and rescue work. Teeth milled and corrugated. In packs of 3. Similar to BOSCH Ref. S...CF. For all sabre saws with 1/2" universal shank system.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569650.0100	S1120CF	205	10	All types of wood with metal residues, steel, stainless steel, straight cuts disassembly and rescue work
569650.0200	-	280	10	All types of wood with metal residues, steel, stainless steel, straight cuts disassembly and rescue work

NERIOX



569650.0100



569650.0200

NERIOX



569300.0100



569300.0200



569300.0300

569300 Jigsaw blades NERIOX

Wood and plastics

Universal jigsaw blades **for wood and plastics**. The standardised T-shank (EURO shank) fits on many different machines, such as AEG, Atlas Copco, Bosch, DeWalt, Hitachi, Makita, Metabo, Milwaukee etc. In packs of 5.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569300.0100	T101B	75	10	All types of wood, plastics Clean cuts
569300.0200	T101D	75	6.35	All types of wood, plastics Clean and fast cuts
569300.0300	T234X	91	10	All types of wood, plastics, acrylic glass The cleanest and fast cuts
569300.0400	T111C	75	8.5	Softwood, plastics

NERIOX



569310.0100



569310.0200



569310.0300

569310 Jigsaw blades NERIOX

Wood

Universal jigsaw blades **for all types of wood**. Teeth set and sharpened at an angle. The standardised T-shank (EURO shank) fits on many different machines, such as AEG, Atlas Copco, Bosch, DeWalt, Hitachi, Makita, Metabo, Milwaukee etc. In packs of 5.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569310.0100	T144D	75	6.35	All types of wood Fast cuts
569310.0200	T344D	105	6.35	All types of wood Fast cuts
569310.0300	T244D	75	6.35	All types of wood Fast cuts, curved cuts

NERIOX



569320.0100



569320.0200



569320.0300

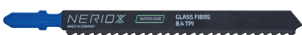
569320 Jigsaw blades NERIOX

Metal

Universal jigsaw blades **for metals**. Teeth milled and corrugated. The standardised T-shank (EURO shank) fits on many different machines, such as AEG, Atlas Copco, Bosch, DeWalt, Hitachi, Makita, Metabo, Milwaukee etc. In packs of 5.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569320.0100	T118A	55	21	Steel, sheet steel
569320.0200	T118G	55	36	Sheet steel
569320.0300	T118B	55	13	Steel, non-ferrous metals, aluminium
569320.0400	T218A	55	21	Steel, sheet steel Curved cuts

NERIOX



569350.0100

569350 Jigsaw blades NERIOX

Fibre optic

Jigsaw blades with ground carbide strip, especially **for GFK/epoxy, Varicor, Corian**. The standardised T-shank (EURO shank) fits on many different machines, such as AEG, Atlas Copco, Bosch, DeWalt, Hitachi, Makita, Metabo, Milwaukee etc. In packs of 2. Similar to BOSCH Ref. T301CHM

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569350.0100	T301CHM	91	8.4	Fibreglass/GRP, Varicor, Corian

NERIOX



569330.0100



569330.0200

569330 Jigsaw blades NERIOX

Stainless steel

Bi-metal jigsaw blades for long-life **INOX material**. Teeth milled and corrugated. The standardised T-shank (EURO shank) fits on many different machines, such as AEG, Atlas Copco, Bosch, DeWalt, Hitachi, Makita, Metabo, Milwaukee etc. In packs of 5.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569330.0100	T118AF	55	21	Steel, sheet steel, stainless steel
569330.0200	T118GF5	55	36	Sheet steel, stainless steel

569340 Jigsaw blades NERIOX

Non-ferrous metals and aluminium

Jigsaw blades especially **for non-ferrous metals and aluminium**, also suitable for steel and plastics. Teeth milled and set. The standardised T-shank (EURO shank) fits on many different machines, such as AEG, Atlas Copco, Bosch, DeWalt, Hitachi, Makita, Metabo, Milwaukee etc. In packs of 5.

Order ID	Type	Cutting length mm	Teeth / inch	suitable for
569340.0100	T127D	75	8.5	Steel, non-ferrous metals, aluminium, plastics
569340.0200	T227D	75	8.5	Steel, non-ferrous metals, aluminium, plastics Curved cuts



569340.0100

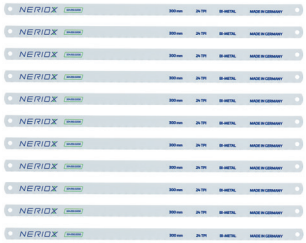


569340.0200

597950 Hand saw blades NERIOX

In a pack of 100. Robust bimetallic hand saw blades for **universal use**. Blade back made of strong, flexible spring steel. Teeth precisely hardened, set and corrugated.

Order ID	Teeth / inch	suitable for	Dimensions mm
597950.0100	18	Plastic and metal	300 x 13 x 0.65
597950.0200	24	Metal	300 x 13 x 0.65
597950.0300	32	Metal	300 x 13 x 0.65



NERIOX



420190 Adjustable wrench NERIOX

Chrome-vanadium steel, matt chrome-plated, polished head, with scale on both sides.

Order ID	Length mm	Clamping width mm	Order ID	Length mm	Clamping width mm
420190.0100	100	13	420190.0500	300	34
420190.0200	150	19	420190.0600	375	44
420190.0300	200	24	420190.0700	450	55
420190.0400	250	30	420190.0800	600	63

NERIOX



421016 Single open-end wrench NERIOX

Up to Size 85 mm according to DIN 894 / ISO 3318, from Size 90 mm factory standard, forged from special steel, tempered. Tensile strength 140–170 kg/mm².

Designs:
421016.0100...421016.2800: Zinc plated
421016.2900...421016.4000: phosphated

Order ID	Wrench size mm	Head mm	Length mm	Order ID	Wrench size mm	Head mm	Length mm
421016.0100	6	3.5	73	421016.2100	34	11.5	295
421016.0200	7	3.5	77	421016.2200	36	12.8	299
421016.0300	8	3.8	95	421016.2300	38	13.2	324
421016.0400	9	4	100	421016.2400	41	15	339
421016.0500	10	4.5	105	421016.2500	46	15.5	380
421016.0600	11	5	110	421016.2600	50	16.5	401
421016.0700	12	5.5	125	421016.2700	55	17	442
421016.0800	13	5.8	130	421016.2800	60	17.5	473
421016.0900	14	6	140	421016.2900	65	18	522
421016.1000	15	6	150	421016.3000	70	19.5	570
421016.1100	16	6.2	155	421016.3100	75	20.5	608
421016.1200	17	6.4	155	421016.3200	80	21.5	644
421016.1300	18	6.8	161	421016.3300	85	22.5	686
421016.1400	19	7	170	421016.3400	90	24.5	738
421016.1500	21	8	181	421016.3500	95	24.5	738
421016.1600	22	8.2	193	421016.3600	100	28	855
421016.1700	24	8.6	216	421016.3700	105	28	855
421016.1800	27	9.5	240	421016.3800	110	30	1100
421016.1900	30	10.5	260	421016.3900	115	30	1100
421016.2000	32	11	274	421016.4000	120	30	1100

NERIOX



421165 Double open-end wrench NERIOX

Sized to DIN 3110/ISO 10102, in chrome-vanadium steel, chrome-plated.

Is part of:
421175 Double open-end wrench set NERIOX
598563 Articles spécifiques pour clients

Order ID	Wrench size mm	Head mm	Length mm	Order ID	Wrench size mm	Head mm	Length mm
421165.0100	5.5 x 7	3.7	125	421165.2100	17 x 22	8	222
421165.0200	6 x 7	3.7	125	421165.2200	18 x 19	7.5	222
421165.0300	7 x 8	4	142	421165.2300	19 x 22	8	233
421165.0400	7 x 9	4	142	421165.2400	19 x 24	9	249
421165.0500	8 x 9	4	142	421165.2500	20 x 22	8	233
421165.0600	8 x 10	4.5	142	421165.2600	21 x 23	8	249
421165.0700	10 x 11	5	157	421165.2700	22 x 24	9	249
421165.0800	10 x 13	5.5	170	421165.2800	22 x 27	9	266
421165.0900	11 x 13	5.5	175	421165.2900	24 x 26	9	266
421165.1000	11 x 14	5.5	175	421165.3000	24 x 27	9	266
421165.1100	12 x 13	5.5	175	421165.3100	24 x 30	10	282
421165.1200	12 x 14	5.5	175	421165.3200	25 x 28	9	282
421165.1300	13 x 14	6	188	421165.3300	27 x 30	10	282
421165.1400	13 x 15	6	188	421165.3400	27 x 32	10	305
421165.1500	13 x 17	6.5	205	421165.3500	30 x 32	10	305
421165.1600	14 x 15	6	188	421165.3600	32 x 36	10	330
421165.1700	14 x 17	6.5	205	421165.3700	36 x 41	11	360
421165.1800	16 x 17	6.5	205	421165.3800	41 x 46	11	405
421165.1900	16 x 18	6.5	205	421165.3900	46 x 50	11	455
421165.2000	17 x 19	7	222				

421175 Double open-end wrench set NERIOX

Sized to DIN 3110/ISO 10102, in chrome-vanadium steel, chrome-plated.

Consisting of:
421165 Double open-end wrench NERIOX

Order ID	Number of wrenches	Size mm	containing mm
421175.0100	8	6...22	6 x 7 8 x 9 10 x 11 12 x 13 14 x 15 16 x 17 18 x 19 20 x 22
421175.0200	10	6...32	6 x 7 8 x 9 10 x 11 12 x 13 14 x 15 16 x 17 18 x 19 20 x 22 24 x 27 30 x 32
421175.0300	12	6...32	6 x 7 8 x 9 10 x 11 12 x 13 14 x 15 16 x 17 18 x 19 20 x 22 21 x 23 24 x 27 25 x 28 30 x 32



421355 Combination wrench NERIOX

Sized to DIN 3113A/ISO 3318, chrome-plated, ring wrench offset by 15°.

Is part of:
421365 Combination wrench set NERIOX
428835 Tool case NERIOX
598563 Articles spécifiques pour clients

Order ID	Wrench size mm	Head mm	Ring height mm	Length mm
421355.0100	6	3.5	5.4	100
421355.0200	7	3.5	5.4	110
421355.0300	8	4	6.0	120
421355.0400	9	4	6.4	130
421355.0500	10	4.5	7.9	140
421355.0600	11	5	8.4	150
421355.0700	12	5	8.4	160
421355.0800	13	5.9	9.4	170
421355.0900	14	5.9	9.9	180
421355.1000	15	5.9	9.9	190
421355.1100	16	6.3	10.9	200
421355.1200	17	6.5	10.9	210
421355.1300	18	6.7	11.9	220
421355.1400	19	7.2	11.9	230
421355.1500	20	7.7	12.4	240
421355.1600	21	8.2	12.9	250
421355.1700	22	8.7	12.9	260
421355.1800	24	8.9	13.9	280
421355.1900	27	9.7	15.4	310
421355.2000	30	10.2	16.4	340
421355.2100	32	10.2	16.9	360
421355.2200	36	14	21.8	400
421355.2300	41	15	22.8	442
421355.2400	46	16	25.8	492
421355.2500	50	17	26.8	531
421355.0040	4	-	-	-
421355.0045	4.5	-	-	-
421355.0050	5	-	-	-
421355.0055	5.5	-	-	-



421365 Combination wrench set NERIOX

Sized to DIN 3113A/ISO 3318, chrome-plated, ring wrench offset by 15°.

Consisting of:
421355 Combination wrench NERIOX

Order ID	Number of wrenches	Size mm	containing mm
421365.0100	8	8...19	8 9 10 11 13 14 17 19
421365.0200	12	6...22	6 7 8 9 10 11 12 13 14 17 19 22





421435 Combination wrench NERIOX

Sized to DIN 3113 B/ISO 3318, **long version**, in chrome-vanadium steel, chrome-plated, ring end offset by 15°.

Is part of:

- 421445 Combination wrench set NERIOX
- 540370 Combination wrench set module NERIOX

Order ID	Wrench size mm	Head mm	Ring height mm	Length mm
421435.0100	6	3.5	6	110
421435.0200	7	3.5	6.5	120
421435.0300	8	4	7	135
421435.0400	9	4	7	140
421435.0500	10	4.5	8	150
421435.0600	11	4.5	8	160
421435.0700	12	5	9	170
421435.0800	13	5	10	175
421435.0900	14	5	10	185
421435.1000	15	5.5	10.5	195
421435.1100	16	5.5	11	215
421435.1200	17	6	11.5	225
421435.1300	18	6	11.5	240
421435.1400	19	6.5	12	250
421435.1500	20	7	12.5	275
421435.1600	21	7	13	285
421435.1700	22	7	13.5	295
421435.1800	23	7	13.5	295
421435.1900	24	9.5	15.5	330
421435.2000	25	10	16	360
421435.2100	26	10	16	360
421435.2200	27	10	16.5	360
421435.2300	28	10	16.5	360
421435.2400	30	11.5	16.5	395
421435.2500	32	12	19.5	435
421435.2600	36	13.5	22.5	453
421435.2700	41	14.8	22.5	521



421445 Combination wrench set NERIOX

Sized to DIN 3113 B/ISO 3318, **long version**, in chrome-vanadium steel, chrome-plated, ring end offset by 15°.

Consisting of:

421435 Combination wrench NERIOX

Order ID	Number of wrenches	Size mm	containing mm
421445.0100	12	6...22	6 7 8 9 10 11 12 13 14 17 19 22
421445.0200	17	6...22	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
421445.0300	25	6...32	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 30 32



421865 Double-end ring wrench NERIOX

Sized to DIN 838/ISO 3318, in chrome-vanadium steel, chrome-plated, with oval shaft, deep offset.

Is part of:

421885 Double-end ring wrench set NERIOX

Order ID	Wrench size mm	Ring height mm	Length mm	Order ID	Wrench size mm	Ring height mm	Length mm
421865.0100	6 x 7	6	168	421865.1400	20 x 22	12.4	318
421865.0200	8 x 9	7	183	421865.1500	21 x 23	13	325
421865.0300	10 x 11	8	197	421865.1600	22 x 24	13	325
421865.0400	10 x 13	9.1	216	421865.1700	24 x 26	14	337
421865.0500	12 x 13	9.1	216	421865.1800	24 x 27	14	337
421865.0600	13 x 14	9.1	216	421865.1900	24 x 30	15.2	346
421865.0700	13 x 17	10.7	263	421865.2000	25 x 28	14.5	346
421865.0800	14 x 15	10.7	239	421865.2100	27 x 30	15.5	346
421865.0900	16 x 17	10.7	263	421865.2200	30 x 32	16.5	360
421865.1000	17 x 19	11.3	290	421865.2300	32 x 36	17.5	415
421865.1100	18 x 19	11.3	290	421865.2400	36 x 41	19	440
421865.1200	19 x 22	12.4	318	421865.2500	41 x 46	21	475
421865.1300	19 x 24	13	325				

421885 Double-end ring wrench set NERIOX

Sized to DIN 838/ISO 3318, in chrome-vanadium steel, chrome-plated, with oval shaft, deep offset.

Consisting of:
421865 Double-end ring wrench NERIOX

Order ID	Number of wrenches	Size mm	containing mm
421885.0100	12	6...32	6 x 7 8 x 9 10 x 11 12 x 13 14 x 15 16 x 17 18 x 19 20 x 22 21 x 23 24 x 27 25 x 28 30 x 32



421525 Combination ratchet wrench NERIOX

Chrome-vanadium steel, matt chrome-plated, polished head, **straight shape, no switching lever** for ease of use in narrow and confined spaces.

Order ID	Wrench size mm	Head mm	Ring height mm	Ring Ø mm	Length mm
421525.0100	7	5.2	7	17	135
421525.0200	8	5.2	7	17.7	135
421525.0300	10	5.7	7.7	20.7	160
421525.0400	13	7	9.3	26	180
421525.0500	17	8.5	11	33.3	230
421525.0600	19	9	11.5	35	250
421525.0700	24	11	14.5	47.3	325



421595 Combination ratchet wrench NERIOX

Chrome-vanadium steel, matt chrome-plated, polished head, **offset shape, with switchover lever**.

Order ID	Wrench size mm	Head mm	Ring height mm	Ring Ø mm	Length mm
421595.0100	7	5.6	7.7	18	125
421595.0200	8	5.8	7.7	18	135
421595.0300	10	6.5	8.4	21.5	157
421595.0400	13	7.5	9	27	180
421595.0500	17	8.1	11	34	230
421595.0600	19	9.2	11.2	35	245
421595.0700	24	11.2	14.5	47.5	325



425610 NERIOX hook spanner with nose

DIN 1810 shape A, for groove nuts DIN 1804 and roller bearing nuts DIN 981. Chrome-vanadium steel, hardened, phosphated. Rounded edges for better handling.

Order ID	for nuts Ø mm	Length mm	Order ID	for nuts Ø mm	Length mm
425610.0100	12...14	110	425610.0700	45...50	205
425610.0200	16...18	110	425610.0800	52...55	205
425610.0250	20...22	135	425610.0900	58...62	240
425610.0300	25...28	135	425610.1000	68...75	240
425610.0400	30...32	135	425610.1100	80...90	280
425610.0500	34...36	170	425610.1200	95...100	280
425610.0600	40...42	170	425610.1300	110...115	335



425710 NERIOX hook spanner with pin

DIN 1810 shape B, for capstan nuts DIN 1816. Chrome-vanadium steel, hardened, phosphated. Rounded edges for better handling.

Order ID	for nuts Ø mm	Shaft Ø mm	Peg length mm	Length mm
425710.0100	12...14	2	2	110
425710.0200	16...18	2.5	2.5	110
425710.0300	20...22	2.5	2.5	110
425710.0400	25...28	3	3	135
425710.0500	30...32	4	3	135
425710.0600	34...36	4	3.5	170
425710.0700	40...42	4	3.5	170
425710.0800	45...50	5	4	205
425710.0900	52...55	5	4	205
425710.1000	58...62	5	5	240
425710.1100	68...75	6	5	240
425710.1200	80...90	6	6	280
425710.1300	95...100	8	6	280
425710.1400	110...115	8	8	335





424025 Angled hex key NERIOX



Short version, ISO 2936 (except size 0.7 mm), chromium-molybdenum-vanadium steel, manganese phosphated, deburred ends, for hexagon socket screws.

Order ID	Wrench size mm	Side length mm
424025.0020	0.7	32 x 6
424025.0040	0.9	32 x 10
424025.0060	1.3	39 x 11
424025.0100	1.5	45 x 14
424025.0200	2	50 x 16
424025.0300	2.5	56 x 18
424025.0400	3	63 x 20
424025.0500	4	70 x 25
424025.0550	5	80 x 28
424025.0600	6	90 x 32
424025.0700	8	100 x 36
424025.0800	10	112 x 40



424125 Angled hex key NERIOX



Long version, ISO 2936 L, chromium-molybdenum-vanadium steel, manganese phosphated, deburred ends, for hexagon socket screws.

Order ID	Wrench size mm	Side length mm
424125.0100	1.5	90 x 14
424125.0200	2	100 x 16
424125.0300	2.5	112 x 18
424125.0400	3	126 x 20
424125.0500	4	140 x 25
424125.0600	5	160 x 28
424125.0700	6	180 x 32
424125.0800	8	200 x 36
424125.0900	10	224 x 40



424135 Angled hex key NERIOX



Short version, ISO 2936, chromium-molybdenum-vanadium steel, manganese phosphated, with **hex-ball point** at long end, ends deburred, for hexagon socket screws.

Order ID	Wrench size mm	Side length mm
424135.0100	1.5	45 x 14
424135.0200	2	50 x 16
424135.0300	2.5	56 x 18
424135.0400	3	63 x 20
424135.0500	4	70 x 25
424135.0600	5	80 x 28
424135.0700	6	90 x 32
424135.0800	8	100 x 36
424135.0900	10	112 x 40



424185 Angled hex key NERIOX



Long version, ISO 2936 L, chromium-molybdenum-vanadium steel, manganese phosphated, with **hex-ball point** at long end, ends deburred, for hexagon socket screws.

Order ID	Wrench size mm	Side length mm
424185.0100	1.5	90 x 14
424185.0200	2	100 x 16
424185.0300	2.5	112 x 18
424185.0400	3	126 x 20
424185.0500	4	140 x 25
424185.0600	5	160 x 28
424185.0700	6	180 x 32
424185.0800	8	200 x 36
424185.0900	10	224 x 40

424190 L-shaped hex key NERIOX



Long version, chrome vanadium steel, chrome-plated, satin finish with **hex ball head** at long end, for hexagon socket screws, **with imperial dimensions**.

Suitable for:
424465 L-shaped hex key set NERIOX

Order ID	Wrench size	Side length
	in	mm
424190.0100	1/16	90 x 14
424190.0200	5/64	100 x 16
424190.0300	3/32	112 x 18
424190.0400	1/8	126 x 20
424190.0500	5/32	140 x 25
424190.0600	3/16	160 x 28
424190.0700	7/32	170 x 30
424190.0800	1/4	180 x 32
424190.0900	5/16	200 x 36
424190.1000	3/8	224 x 40



424391 L-shaped hex key set NERIOX



Made of chrome vanadium steel, chrome-plated, satin finish, for socket head screws, in plastic holder.

Order ID	Number of wrenches	Version	with wrenches
			mm
424391.0100	9	short	1.5 2 2.5 3 4 5 6 8 10
424391.0200	9	Long	1.5 2 2.5 3 4 5 6 8 10



424391.0100

424391.0200

424395 Angled hex key set NERIOX



ISO 2936, chromium-molybdenum-vanadium steel, manganese phosphated, ends deburred, for hexagon socket screws, in plastic holder.

Order ID	Size	Version	Number of wrenches	with wrenches
				mm
424395.0150	1.5...10	Short	9	1.5 2 2.5 3 4 5 6 8 10
424395.0250	1.5...10	Long	9	1.5 2 2.5 3 4 5 6 8 10



424395.0150

424395.0250

424405 Angled hex key set NERIOX



ISO 2936, chromium-molybdenum-vanadium steel, manganese phosphated, with **hex-ball point** at long end, ends deburred, for hexagon socket screws, in plastic holder.

Order ID	Size	Version	Number of wrenches	with wrenches
				mm
424405.0250	1.5...10	Long	9	1.5 2 2.5 3 4 5 6 8 10



NERIOX



424465 L-shaped hex key set NERIOX



Chrome-vanadium steel, chrome-plated satin finish, **long version with hexagon ball head** at the long end, for hexagon socket screws **with imperial dimensions**, in plastic holders.

Appropriate spare parts:
424190 L-shaped hex key NERIOX

Order ID	Number of wrenches	with wrenches in							
424465.0100	9	1/16	5/64	3/32	1/8	5/32	3/16	1/4	5/16 3/8

NERIOX



425134 L-shaped key set for TORX® screws NERIOX



Chrome vanadium steel, chrome-plated, satin finish, short version, in plastic holder.

Order ID	Size	Number of wrenches	with spanners										
425134.0100	T9...T45	9	T9	T10	T15	T20	T25	T27	T30	T40	T45		

NERIOX



425151 L-shaped key set for TORX® screws NERIOX



Chrome vanadium steel, chrome-plated, satin finish, profile for TORX® screws on short arm, **ball head profile for TORX® screws on long arm**. In a practical plastic holder.

Order ID	Size	Number of wrenches	with spanners										
425151.0100	T9...T45	9	T9	T10	T15	T20	T25	T27	T30	T40	T45		

424026 L-shaped hex key NERIOX



NERIOX



Short version, ISO 2936, chrome-plated with a satin finish, ends deburred, for hexagon socket screws.

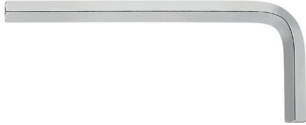
Up to Ø 19 mm: chrome-molybdenum-vanadium steel
from 22 mm: chrome vanadium steel

Order ID	Wrench size mm	Side length mm
424026.0050	1.3	39 x 11
424026.0100	1.5	45 x 14
424026.0200	2.0	50 x 16
424026.0300	2.5	56 x 18
424026.0400	3.0	63 x 20
424026.0500	3.5	66 x 22
424026.0600	4.0	70 x 25
424026.0700	4.5	75 x 26
424026.0800	5.0	80 x 28
424026.1000	6.0	90 x 32
424026.1100	7.0	95 x 34
424026.1200	8.0	100 x 36
424026.1400	10.0	112 x 40
424026.1500	11.0	118 x 42
424026.1600	12.0	125 x 45
424026.1700	14.0	140 x 56
424026.1800	17.0	160 x 63
424026.1900	19.0	180 x 70
424026.2000	22.0	200 x 80
424026.2100	24	224 x 90
424026.2200	27.0	250 x 100

424028 NERIOX L-shaped hex key with bore



NERIOX



Chrome vanadium steel, chrome-plated, satin finish, with bores on both sides, for socket head screws with locking pin.

Order ID	Wrench size mm	Side length mm
424028.0100	2.5	56 x 18
424028.0200	3.0	63 x 20
424028.0300	4.0	70 x 25
424028.0400	5.0	80 x 28
424028.0500	6.0	90 x 32
424028.0600	8.0	100 x 36

424036 L-shaped hex key NERIOX



NERIOX



Long version, ISO 2936, chrome vanadium steel, chrome-plated with a satin finish deburred, for hexagon socket screws.

Order ID	Wrench size mm	Side length mm
424036.0100	1.5	90 x 14
424036.0200	2.0	100 x 16
424036.0300	2.5	112 x 18
424036.0400	3.0	126 x 20
424036.0500	4.0	140 x 25
424036.0600	5.0	160 x 28
424036.0700	6.0	180 x 32
424036.0800	7.0	190 x 34
424036.0900	8.0	200 x 36
424036.1000	10.0	224 x 40
424036.1100	12.0	250 x 45
424036.1200	14.0	280 x 56
424036.1300	17.0	320 x 63
424036.1400	19.0	360 x 70



424397 L-shaped hex key NERIOX



Short version, ISO 2936 L, chrome vanadium steel, chrome-plated, satin finish, with **hex-ball head** at long end, for hexagon socket screws.

Order ID	Wrench size mm	Side length mm
424397.0100	1.5	45 x 14
424397.0200	2.0	50 x 16
424397.0300	2.5	56 x 18
424397.0400	3.0	63 x 20
424397.0500	4.0	70 x 25
424397.0600	5.0	80 x 28
424397.0700	6.0	90 x 32
424397.0800	8.0	100 x 36
424397.0900	10.0	112 x 40



424402 L-shaped hex key NERIOX



Long version, ISO 2936 L, chrome vanadium steel, chrome-plated, satin finish. with **hex ball head** at long end, for hexagon socket screws.

Order ID	Wrench size mm	Side length mm
424402.0100	1.5	90 x 14
424402.0200	2.0	100 x 16
424402.0300	2.5	112 x 18
424402.0400	3.0	126 x 20
424402.0500	4.0	140 x 25
424402.0600	5.0	160 x 28
424402.0700	6.0	180 x 32
424402.0800	8.0	200 x 36
424402.0900	10.0	224 x 40



425128 Angled head key for TORX® screws NERIOX



Short version, chrome vanadium steel, satin chrome plated, **for TORX®** screws.

Order ID	Size	Side length mm
425128.0100	T 6	42 x 16
425128.0200	T 7	48 x 16
425128.0300	T 8	48 x 16
425128.0400	T 9	48 x 16
425128.0500	T 10	51 x 17
425128.0600	T 15	54 x 18
425128.0700	T 20	57 x 19
425128.0800	T 25	60 x 20
425128.0900	T 27	64 x 21
425128.1000	T 30	70 x 24
425128.1100	T 40	76 x 26
425128.1200	T 45	82 x 28



425148 Ball head L-shaped hex key for TORX® screws NERIOX



Long version, chrome vanadium steel, chrome-plated, satin finish, profile for TORX® screws on short arm, **ball head profile for TORX® screws** on long arm.

Order ID	Size	Side length mm
425148.0050	T 9	80 x 16
425148.0100	T 10	86 x 17
425148.0200	T 15	90 x 18
425148.0300	T 20	95 x 19
425148.0400	T 25	100 x 20
425148.0500	T 27	105 x 21
425148.0600	T 30	114 x 24
425148.0700	T 40	124 x 26
425148.0800	T 45	133 x 29

424029 L-shaped hex key set with bore NERIOX



Chrome vanadium steel, chrome-plated, satin finish, with bores on both sides, **for socket head screws**, with locking pin

Order ID	Parts	Size	with wrenches mm
424029.0100	6	2.5...8 mm	2.5 3 4 5 6 8

NERIOX



424393 L-shaped hex key set NERIOX



ISO 2936 L, chrome vanadium steel, chrome-plated, satin finish. with **hex ball head** at long end, for hexagon socket screws, in plastic holder.

Order ID	Number of wrenches	Version	with wrenches mm
424393.0100	9	short	1.5 2 2.5 3 4 5 6 8 10
424393.0200	9	Long	1.5 2 2.5 3 4 5 6 8 10

NERIOX



424393.0100 424393.0200

424285 L-shaped hex key with pin NERIOX



DIN 6911, chrome vanadium steel, nickel plated, for socket head screws with low heads and key guide according to DIN 6912.

Order ID	Wrench size mm	Side length mm
424285.0100	3	63 x 20
424285.0200	4	71 x 25
424285.0300	5	80 x 28
424285.0400	6	90 x 32
424285.0500	8	100 x 36
424285.0600	10	112 x 40
424285.0700	12	125 x 45
424285.0800	14	140 x 55

NERIOX



NERIOX



426305 Hexagon socket wrench set NERIOX



41-piece, chrome vanadium steel, chrome-plated, foam insert in the carbon look with marking of the dimensions, in plastic case with metal clasps.

Order ID	426305.0100	
Reversible ratchet	in	1/4
Spin type speeder	in	1/4
Sliding tee/adaptor		3/8 - 1/4
Extensions	mm	50 100
Universal joint	in	1/4
Universal holder with magnet		1/4 E6.3 - 1/4 C6.3
Bit holder with retaining spring		1/4 C6.3
Coupler		6kt - 4kt C6.3 - 1/4
Hex 1/4"		4 4.5 5 5.5 6 7 8 9 10 11 12 13
Allen-Bit	mm	4 5 6 8
Phillips-Bit		1 2 3
Pozidriv-Bit		1 2 3
Slotted bit		4 5.5 6.5
Dimensions WxDxH	mm	260 x 160 x 60
Bit for TORX® screws		10 15 20 25 27 30 40

NERIOX



426310 Hexagon socket wrench set NERIOX



52-piece, chrome vanadium steel, chrome-plated, foam insert in the carbon look with marking of the dimensions, in plastic case with metal clasps.

Order ID	426310.0100	
Reversible ratchet	in	1/4
Spin type speeder	in	1/4
Sliding tee bar	mm	115
Extensions	mm	50 / 100
Universal joint	in	1/4
Hex 1/4"		3.2 4 4.5 5 5.5 6 7 8 9 10 11 12 13 14
Hex long 1/4"		8 10 11 13
For outside TORX® 1/4"		4 5 6 7 8 10 11
Allen 1/4"	mm	3 4 5 6 7 8
Phillips 1/4"		1 2 3
Pozidriv 1/4"		1 2 3
Slot 1/4"		4 5.5 6.5
Bit for TORX® screws		10 15 20 25 30 40
Dimensions WxDxH	mm	300 x 190 x 60

NERIOX



427425 Hexagon socket wrench set NERIOX



25-piece, chrome vanadium steel, chrome-plated, foam insert in the carbon look with marking of the dimensions, in plastic case with metal clasps.

Order ID	427425.0100	
Reversible ratchet	in	3/8
Sliding tee bar	mm	165
Extensions	mm	75 / 250
Universal joint	in	3/8
Hex 3/8"		8 10 11 12 13 14 15 16 17 18 19
Allen 3/8"	mm	3 4 5 6 7 8 10
Spark plug wrench 3/8"	mm	16 / 21
Dimensions WxDxH	mm	360 x 260 x 75

NERIOX



428575 Hexagon socket wrench set NERIOX



25-piece, chrome vanadium steel, chrome-plated, foam insert in the carbon look with marking of the dimensions, in plastic case with metal clasps.

Order ID	428575.0100	
Reversible ratchet	in	1/2
Sliding tee bar	mm	300
Extensions	mm	75 / 125 / 250
Universal joint	in	1/2
Hex 1/2"		8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32 34
Dimensions WxDxH	mm	400 x 290 x 80

428580 Hexagon socket wrench set NERIOX



40-piece, chrome vanadium steel, chrome-plated, foam insert in the carbon look with marking of the dimensions, in plastic case with metal clasps.

Order ID	428580.0100	
Reversible ratchet	in	1/2
Sliding tee bar	mm	300
Extensions	mm	75 / 125 / 250
Universal joint	in	1/2
Hex 1/2"		8 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32 34
Allen 1/2"	mm	4 5 6 7 8 10 12 14
For TORX® 1/2"		T25 T27 T30 T40 T45 T50 T55 T60
Dimensions WxDxH	mm	460 x 350 x 90

NERIOX



428585 Hexagon socket wrench set NERIOX



65-piece, chrome vanadium steel, chrome-plated, foam insert in the carbon look with marking of the dimensions, in plastic case with metal clasps.

Order ID	428585.0100	
Reversible ratchet	in	1/4 + 1/2
Spin type speeder	in	1/4
Sliding tee/adaptor		3/8" - 1/4" / 3/8" - 1/2"
Extensions	mm	50 / 125 / 150 / 250
Universal joint	in	1/4 / 1/2
Universal holder with magnet		1/4" - 1/4"
Bit holder with retaining spring		1/4"
Coupler		6kt - 4kt C6.3-1/4"
Hex 1/2"		10 11 12 13 14 15 16 17 18 19 20 21 22 24 27 30 32
Hex 1/4"		4 4,5 5 5,5 6 7 8 9 10 11 12 13
Spark plug wrench 1/2"	mm	16 / 21
Phillips-Bit		1 2 3
Pozidriv-Bit		1 2 3
Slotted bit		4 5,5 6,5
Bit for TORX® screws		10 15 20 25 27 30 40
Dimensions WxDxH	mm	400 x 290 x 80

NERIOX



428855 Hexagon socket wrench set NERIOX



110 pieces, chrome vanadium steel, chrome-plated, foam insert with carbon look with dimension markings, in plastic case with metal clasps.

Order ID	428855.0100	
Parts	110	
Reversible ratchet	in	1/4 + 1/2
Spin type speeder	in	1/4
Sliding tee bar	mm	115
Universal joint	in	1/4 + 1/2
Bit holder with retaining spring		1/4"
Coupler		1/4-1/4 + 1/2-5/16
Socket adapter	in	3/8 - 1/2
Extensions	mm	55 100 125 150 250
Hex 1/4"		4 4,5 5 5,5 6 7 8 9 10 11 12 13 14 mm
Hex long 1/4"		4 5 6 7 8 9 10 11 12 mm
Hex 1/2"		10 11 12 13 14 15 16 17 18 19 20 21 22 24 27 30 32 mm
Hex long 1/2"		13 14 15 17 19 mm
Spark plug wrench 1/2"	mm	16 21
Phillips-Bit		1 2 3 4
Pozidriv-Bit		1 2 3 4
Slotted bit		5 7 8 10 12
Hexagon socket bits	mm	7 8 9 10 12
Bit for TORX® screws		T20 T25 T30 T45 T50 T55
Phillips 1/4"		0 1 2
Pozidriv 1/4"		0 1 2
Slot 1/4"		3 4 5 6
Inside hexagon	mm	3 4 5 6 7 8
For TORX® 1/4"		T8 T10 T15 T20 T25 T27 T30 T40

NERIOX



NERIOX



429085 Bi-hexagon socket wrench bit NERIOX



DIN 3124/ISO 2725-1, chromium-vanadium steel, chrome-plated, knurled.

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
429085.0300	10	38	429085.1500	22	38
429085.0600	13	38	429085.1700	24	40
429085.1000	17	38	429085.1900	27	42
429085.1200	19	38			

NERIOX



428590 Set of hex bits NERIOX



10-piece, chrome vanadium steel, chrome-plated, foam insert in the carbon look with marking of the dimensions, in plastic case with metal clasps.

Order ID	428590.0100				
Allen 1/2"	mm	4	5	6	7
Dimensions WxDxH	mm	10	12	14	17
		19	260	160	60

NERIOX



428595 Set of bits for TORX® screws NERIOX



10-piece, chrome vanadium steel, chrome-plated, foam insert in the carbon look with marking of the dimensions, in plastic case with metal clasps.

Order ID	428595.0100				
For TORX® 1/2"	mm	20	25	27	30
Dimensions WxDxH	mm	40	45	50	55
		60	260	160	60

NERIOX



426350 Hex socket NERIOX



DIN 3124/ISO 2725-1, chrome-vanadium steel, chrome-plated, knurled, length 25 mm.

Order ID	Wrench size mm	Order ID	Wrench size mm
426350.0100	3.2	426350.0800	8
426350.0200	4	426350.0900	9
426350.0300	4.5	426350.1000	10
426350.0400	5	426350.1100	11
426350.0500	5.5	426350.1200	12
426350.0600	6	426350.1300	13
426350.0700	7	426350.1400	14

NERIOX



426355 Hex socket NERIOX



DIN 3124/ISO 2725-1, chrome-vanadium steel, chrome-plated, knurled, long version, length 50 mm.

Order ID	Wrench size mm	Order ID	Wrench size mm
426355.0020	4	426355.0150	9
426355.0040	5	426355.0200	10
426355.0060	6	426355.0300	11
426355.0080	7	426355.0350	12
426355.0100	8	426355.0400	13

429080 Hexagon socket wrench bit NERIOX



DIN 3124/ISO 2725-1, chromium-vanadium steel, chrome-plated, knurled, **long version**, length 75 mm.

Order ID	Wrench size mm	Order ID	Wrench size mm
429080.0400	13	429080.0800	17
429080.0500	14	429080.1000	19
429080.0600	15		

NERIOX



428755 Socket wrench for wheel nuts NERIOX



Chromium-molybdenum steel, phosphated. Specially designed for fitting and removing wheel nuts. The plastic stop protects the wheel nut from damage. The coloured marking makes it easier to identify the appropriate tool.

Order ID	Wrench size mm	Ø mm	Length mm
428755.0100	17	27	85
428755.0200	19	28.5	85
428755.0300	21	31	85

NERIOX



428757 Wheel nut socket set NERIOX



Set of 3 sockets (17, 19, 21 mm), chromium-molybdenum steel, phosphated. Specially designed for fitting and removing wheel nuts. The plastic stop protects the wheel nut from damage. The coloured marking makes it easier to identify the appropriate tool.

Consisting of:

- 428755.0100: 1 pieces Socket wrench for wheel nuts NERIOX 17 mm
- 428755.0200: 1 pieces Socket wrench for wheel nuts NERIOX 19 mm
- 428755.0300: 1 pieces Socket wrench for wheel nuts NERIOX 21 mm

Order ID	Parts
428757.0100	3

NERIOX



426475 Socket wrench bit for TORX® screws NERIOX



For external Torx® screws, chrome-vanadium steel, chrome-plated, knurled, length 25 mm.

Order ID	For outside TORX®	Order ID	For outside TORX®
426475.0100	E4	426475.0500	E8
426475.0200	E5	426475.0600	E10
426475.0300	E6	426475.0700	E11
426475.0400	E7		

NERIOX



426485 Hexagon insert bit NERIOX



for hexagon socket screws, chrome-vanadium steel, chrome-plated.

Order ID	Wrench size mm	Overall length mm	Order ID	Wrench size mm	Overall length mm
426485.0100	3	32	426485.0600	5	55
426485.0200	3	55	426485.0700	6	32
426485.0300	4	32	426485.0800	6	55
426485.0400	4	55	426485.0900	7	32
426485.0500	5	32	426485.1000	8	32

NERIOX



NERIOX



426505 Bit for TORX® screws NERIOX



chrome-vanadium steel, chrome-plated, for internal Torx® screws, length 32 mm.

Order ID	for TORX® screws	Order ID	for TORX® screws
426505.0100	T8	426505.0600	T25
426505.0200	T9	426505.0700	T27
426505.0300	T10	426505.0800	T30
426505.0400	T15	426505.0900	T40
426505.0500	T20	426505.1000	T45

NERIOX



426540 Slotted bit NERIOX



chrome-vanadium steel, chrome-plated, for slotted screws, length 32 mm.

Order ID	Width x thickness mm	Order ID	Width x thickness mm
426540.0100	4 x 0.8	426540.0300	6.5 x 1.2
426540.0200	5.5 x 1		

NERIOX



426545 Phillips bit NERIOX



chrome-vanadium steel, chrome-plated, for Phillips Recess® screws, length 32 mm.

Order ID	Phillips	Order ID	Phillips
426545.0100	PH1	426545.0300	PH3
426545.0200	PH2		

NERIOX



426550 Pozidriv bit NERIOX



chrome-vanadium steel, chrome-plated, for Pozidriv/Supadriv® screws, length 32 mm.

Order ID	Pozidriv No.	Order ID	Pozidriv No.
426550.0100	PZ1	426550.0300	PZ3
426550.0200	PZ2		

NERIOX



426685 Reversible ratchet NERIOX



Chrome-vanadium steel, chrome-plated, 60 teeth, with ergonomic 2-comp. handle

Order ID	Length mm
426685.0100	137

NERIOX



426705 Sliding T-handle NERIOX



Chrome-vanadium steel, chrome-plated

Order ID	Length mm
426705.0100	115

426735 Spin type speeder NERIOX



chrome-plated, with 2-comp. handle

Order ID	Shank length mm	Length mm
426735.0100	60	145

426825 Extension NERIOX



chrome-vanadium steel, chrome-plated, knurled.

Order ID	Length mm	Order ID	Length mm
426825.0100	50	426825.0300	150
426825.0200	100		

426890 Universal joint NERIOX



DIN 3123/ISO 3316, chrome-vanadium steel, chrome-plated, spring-stiffened joint.

Order ID	Length mm
426890.0100	40

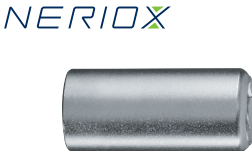
429645 Blade holder NERIOX



1/2" square drive, chromium-vanadium steel, for holding screwdriver blades (bits) with a 5/16" C8 hexagon coupler. With retaining spring.

Order ID	Hexagon socket in	Length mm
429645.0100	5/16"	38

426895 Bit holder NERIOX



1/4" square drive, chrome-vanadium steel, for holding bits with coupler hexagon 1/4" C 6.3. With retaining spring.

Order ID	Hexagon socket in	Length mm
426895.0100	1/4"	25

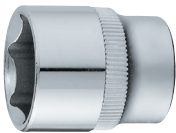
437155 Universal holder NERIOX



magnetic, with coupler hexagon 1/4" E 6.3, for mounting bits 1/4" C 6.3.

Order ID	for bits	Ø mm	Length mm
437155.0100	1/4" C6.3	10	60

NERIOX



427525 Hex socket NERIOX



chrome-vanadium steel, chrome-plated, knurled.

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
427525.0100	6	28	427525.1000	15	28
427525.0200	7	28	427525.1100	16	28
427525.0300	8	28	427525.1200	17	28
427525.0400	9	28	427525.1300	18	30
427525.0500	10	28	427525.1400	19	30
427525.0600	11	28	427525.1500	20	30
427525.0700	12	28	427525.1600	21	30
427525.0800	13	28	427525.1700	22	30
427525.0900	14	28			

NERIOX



427565 Spark plug socket NERIOX



chrome-vanadium steel, chrome-plated, knurled, with rubber insert and hex head.

Order ID	Wrench size mm	Length mm
427565.0100	16	65
427565.0200	21	67

NERIOX



427675 Hex bit insert NERIOX



Chrome-vanadium steel, chrome-plated

Order ID	Wrench size mm	Length mm
427675.0100	3	48
427675.0200	4	48
427675.0300	5	48
427675.0400	6	48
427675.0500	7	48
427675.0600	8	48
427675.0700	10	48

NERIOX



427895 Reversible ratchet NERIOX



Chrome-vanadium steel, chrome-plated, 60 teeth, with ergonomic 2-comp. handle

Order ID	Length mm
427895.0100	197

NERIOX



427925 Sliding tee bar NERIOX



chrome-vanadium steel, chrome-plated.

Order ID	Length mm
427925.0100	165

428020 Extension NERIOX



NERIOX



chrome-vanadium steel, chrome-plated, knurled.

Order ID	Length mm	Order ID	Length mm
428020.0100	75	428020.0300	250
428020.0200	150		

428025 Socket adapter NERIOX



NERIOX



Chrome-vanadium steel, chrome-plated, square socket and bit to DIN 3120.

Order ID	External square (male)	Internal square (female)
428025.0100	1/4"	3/8"
428025.0200	1/2"	3/8"

428030 Adapter and sliding tee NERIOX



NERIOX



Chrome-vanadium steel, chrome-plated, square socket and bit to DIN 3120. With hole for use as T-handle sliding tee, to fit extensions NERIOX 1/4" resp. 1/2" .

Order ID	External square (male)	Internal square (female)	Hole Ø mm
428030.0100	1/4"	3/8"	8.7
428030.0200	1/2"	3/8"	16.8

428035 Universal joint NERIOX



NERIOX



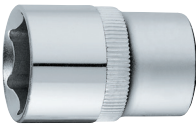
DIN 3123/ISO 3316, chrome-vanadium steel, chrome-plated, spring-stiffened joint.

Order ID	Length mm
428035.0100	55

429015 Hex socket NERIOX



NERIOX



DIN 3124/ISO 2725-1, chrome-vanadium steel, chrome-plated, knurled.

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
429015.0100	8	38	429015.1300	20	38
429015.0200	9	38	429015.1400	21	38
429015.0300	10	38	429015.1500	22	38
429015.0400	11	38	429015.1600	23	38
429015.0500	12	38	429015.1700	24	40
429015.0600	13	38	429015.1800	26	42
429015.0700	14	38	429015.1900	27	42
429015.0800	15	38	429015.2000	28	44
429015.0900	16	38	429015.2100	30	45
429015.1000	17	38	429015.2200	32	45
429015.1100	18	38	429015.2300	34	45
429015.1200	19	38			

NERIOX



429035 Spark plug socket NERIOX



chrome-vanadium steel, chrome-plated, knurled, with rubber insert and hex head.

Order ID	Wrench size mm	Length mm
429035.0100	16	65
429035.0200	21	67

NERIOX



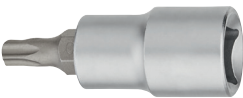
429055 Hex bit insert NERIOX



Chrome-vanadium steel, chrome-plated

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
429055.0100	4	55	429055.0600	10	55
429055.0200	5	55	429055.0700	12	55
429055.0300	6	55	429055.0800	14	55
429055.0400	7	55	429055.0900	17	55
429055.0500	8	55	429055.1000	19	55

NERIOX



429065 Bit insert for TORX® screws NERIOX



Chrome-vanadium steel, chrome-plated

Order ID	Size	Length mm	Order ID	Size	Length mm
429065.0100	T20	55	429065.0600	T45	55
429065.0200	T25	55	429065.0700	T50	55
429065.0300	T27	55	429065.0800	T55	55
429065.0400	T30	55	429065.0900	T60	55
429065.0500	T40	55			

NERIOX



429215 Universal driver socket NERIOX



Housing made from alloy steel; with hardened steel pins. Replaces a large range of nuts, regardless of whether they are in metric or imperial dimensions. The steel pins adapt to any nut or bolt with an external profile. Also fits unusual fasteners such as clip and eyelet bolts.

Order ID	Wrench size mm	Length mm	for screw length up to mm	Square drive in
429215.0100	6...12	53	9	1/4
429215.0200	9...21	65	9	3/8

NERIOX



429465 Reversible ratchet NERIOX



Chrome-vanadium steel, chrome-plated, 60 teeth, with ergonomic 2-comp. handle

Order ID	Length mm
429465.0100	250

NERIOX



429475 Sliding T-handle NERIOX



chrome-vanadium steel, chrome-plated.

Order ID	Length mm
429475.0100	300

429580 Extension NERIOX



chrome-vanadium steel, chrome-plated, knurled.

Order ID	Length mm	Order ID	Length mm
429580.0100	75	429580.0300	250
429580.0200	125		

NERIOX



429615 Adapter NERIOX



Chrome-vanadium steel, chrome-plated, male and female square according to DIN 3120

Order ID	External square (male)	Internal square (female)
429615.0100	3/8"	1/2"
429615.0200	3/4"	1/2"

NERIOX



429670 Universal joint NERIOX



chrome-vanadium steel, chrome-plated, spring-stiffened joint.

Order ID	Length mm
429670.0100	78

NERIOX



429925 Hexagon socket NERIOX



DIN 3124/ISO 2725-1, chrome-vanadium steel, chrome-plated, straight knurled.

Order ID	Wrench size mm	Length mm
429925.0100	22	50
429925.0200	24	51
429925.0300	27	52
429925.0400	30	54
429925.0500	32	56
429925.0600	34	56
429925.0700	36	58
429925.0800	41	64
429925.0900	46	68
429925.1000	50	72

NERIOX



430125 Reversible ratchet NERIOX



Chrome-vanadium steel, chrome-plated, 48 teeth, with lock pin, insert knurled handle.

Order ID	Length mm
430125.0100	495

NERIOX



430165 Sliding T-handle NERIOX



Chrome-vanadium steel, chrome-plated, with lock pin.

Order ID	Length mm
430165.0100	460

NERIOX





430195 Extension NERIOX



Chrome-vanadium steel, chrome-plated, with lock pin.

Order ID	Length mm	Order ID	Length mm
430195.0100	200	430195.0200	400



430245 Adapter NERIOX



Chrome-vanadium steel, chrome-plated.

Order ID	External square (male)	Internal square (female)
430245.0100	1/2"	3/4"



430250 Universal joint NERIOX



Chrome-vanadium steel, chrome-plated, knurled.

Order ID	Length mm
430250.0100	105



426385 Hex socket NERIOX, Inch dimensions



Chrome-vanadium steel, chrome-plated

Order ID	Wrench size in	Length mm
426385.0100	1/4	25
426385.0200	9/32	25
426385.0300	5/16	25
426385.0400	3/8	25
426385.0500	11/32	25
426385.0600	7/16	25
426385.0700	1/2	25
426385.0800	9/16	25



426405 Hex socket NERIOX, Inch dimensions



Chrome-vanadium steel, chrome-plated

Order ID	Wrench size in	Length mm
426405.0100	3/16	50
426405.0200	7/32	50
426405.0300	1/4	50
426405.0400	9/32	50
426405.0500	5/16	50
426405.0600	3/8	50
426405.0700	11/32	50
426405.0800	7/16	50

427645 Hex socket NERIOX, Inch dimensions



Chrome-vanadium steel, chrome-plated

Order ID	Wrench size	Length
	in	mm
427645.0100	1/4	28
427645.0200	5/16	28
427645.0300	3/8	28
427645.0400	7/16	28
427645.0500	1/2	28
427645.0600	9/16	28
427645.0700	5/8	28
427645.0800	11/16	28
427645.0900	3/4	30
427645.1000	13/16	30
427645.1100	7/8	30
427645.1200	15/16	30

NERIOX



426265 Hexagon socket wrench set NERIOX 1/4"



46 pieces,, chrome-vanadium steel, chrome-plated, in a robust plastic case with dimension markings.

Appropriate spare parts:

- 424026 L-shaped hex key NERIOX
- 426350 Hex socket NERIOX
- 426485 Hexagon insert bit NERIOX
- 426505 Bit for TORX® screws NERIOX
- 426540 Slotted bit NERIOX
- 426545 Phillips bit NERIOX
- 426550 Pozidriv bit NERIOX
- 426685 Reversible ratchet NERIOX
- 426705 Sliding T-handle NERIOX
- 426735 Spin type speeder NERIOX
- 426825 Extension NERIOX
- 426890 Universal joint NERIOX
- 438005 Holder for socket inserts NERIOX

NERIOX



Order ID	426265.0100														
Parts	46														
Reversible ratchet	in	1/4													
Spin type speeder	in	1/4													
Sliding tee bar	mm	115													
Extensions	mm	55 100 150													
Universal joint	in	1/4													
Hex 1/4"		4	4.5	5	5.5	6	7	8	9	10	11	12	13	14	mm
Hexagon key	mm	1.25 1.5 2 2.5													
Hexagon	mm	3 4 5 6 7 8													
Phillips 1/4"		1 2 3													
Pozidriv 1/4"		1 2 3													
Slot 1/4"		4 5.5 7													
for TORX® screws		T10 T15 T20 T25 T30 T40													
Adapter with square		1/4" - 6kt													

NERIOX



429750 Hexagon socket wrench bit NERIOX IMPACT 1/2"



With cross hole and ring groove for fastening, for machine- or compressed air-operated screw tightening. Made of chromium-molybdenum steel, manganese phosphated.

Appropriate accessories:
428060 Socket lock clamps KOKEN

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
429750.0100	10	38	429750.0900	18	40
429750.0200	11	38	429750.1000	19	40
429750.0300	12	38	429750.1100	21	40
429750.0400	13	38	429750.1200	22	40
429750.0500	14	38	429750.1300	24	42
429750.0600	15	38	429750.1400	27	45
429750.0700	16	38	429750.1500	30	46
429750.0800	17	40	429750.1600	32	46

NERIOX



429755 Hexagon socket wrench bit NERIOX IMPACT 1/2"



Long version, with cross hole and ring groove for fastening, for machine- or compressed air-operated screw tightening. Made of chromium-molybdenum steel, manganese phosphated.

Appropriate accessories:
428060 Socket lock clamps KOKEN

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
429755.0100	13	78	429755.0800	21	78
429755.0200	14	78	429755.0900	22	78
429755.0300	15	78	429755.1000	24	78
429755.0400	16	78	429755.1100	27	78
429755.0500	17	78	429755.1200	30	78
429755.0600	18	78	429755.1300	32	78
429755.0700	19	78			

NERIOX



430360 Hexagon socket wrench bit NERIOX IMPACT 3/4"



With cross hole and ring groove for fastening, for machine- or compressed air-operated screw tightening. Made of chromium-molybdenum steel, manganese phosphated.

Appropriate accessories:
428060 Socket lock clamps KOKEN

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
430360.0100	17	50	430360.0600	30	53
430360.0200	19	50	430360.0700	32	53
430360.0300	22	50	430360.0800	34	55
430360.0400	24	50	430360.0900	36	55
430360.0500	27	50	430360.1000	41	57
430360.0550			430360.1100	46	62

NERIOX



430365 Hexagon socket wrench bit NERIOX IMPACT 3/4"



Long version, with cross hole and ring groove for fastening, for machine- or compressed air-operated screw tightening. Made of chromium-molybdenum steel, manganese phosphated.

Appropriate accessories:
428060 Socket lock clamps KOKEN

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
430365.0100	17	90	430365.0500	30	90
430365.0200	19	90	430365.0600	32	90
430365.0300	24	90	430365.0700	36	90
430365.0400	27	90			

430760 Hexagon socket wrench bit NERIOX IMPACT 1"

NERIOX



With cross hole and ring groove for fastening, for machine- or compressed air-operated screw tightening. Made of chromium-molybdenum steel, manganese phosphated.



Appropriate accessories:

428060 Socket lock clamps KOKEN

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
430760.0100	24	57	430760.0700	46	70
430760.0200	27	57	430760.0800	50	70
430760.0300	30	62	430760.0900	55	82
430760.0400	32	62	430760.1000	60	85
430760.0500	36	62	430760.1100	65	85
430760.0600	41	66	430760.1200	70	90

430765 Hexagon socket wrench bit NERIOX IMPACT 1"

NERIOX



Long version, with cross hole and ring groove for fastening, for machine- or compressed air-operated screw tightening. Made of chromium-molybdenum steel, manganese phosphated.



Appropriate accessories:

428060 Socket lock clamps KOKEN

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
430765.0100	32	108	430765.0400	46	108
430765.0200	36	108	430765.0500	50	108
430765.0300	41	108	430765.0600	55	108

428120 Coupler NERIOX IMPACT

NERIOX



3/8" - 1/2", with ring groove for fastening, for machine- or compressed air-operated screw tightening. Chrome-molybdenum steel, manganese phosphated.



Order ID	External square (male)	Internal square (female)	Length mm
428120.0100	1/2"	3/8"	36

429800 Coupler NERIOX IMPACT

NERIOX



1/2" - 3/8", 3/4", with ring groove for fastening, for machine- or compressed air-operated screw tightening. Chrome-molybdenum steel, manganese phosphated.



Order ID	External square (male)	Internal square (female)	Length mm
429800.0100	3/8"	1/2"	38
429800.0200	3/4"	1/2"	48

430375 Coupler NERIOX IMPACT

NERIOX



3/4" - 1/2", 1", with ring groove for fastening, for machine- or compressed air-operated screw tightening. Chrome-molybdenum steel, manganese phosphated.



Order ID	External square (male)	Internal square (female)	Length mm
430375.0100	1/2"	3/4"	58
430375.0200	1"	3/4"	63

NERIOX



430770 Coupler NERIOX IMPACT



1" - 3/4", with ring groove for fastening, for machine- or compressed air-operated screw tightening. Chrome-molybdenum steel, manganese phosphated.

Order ID	External square (male)	Internal square (female)	Length mm
430770.0100	3/4"	1 "	75

NERIOX



429805 Cardan joint NERIOX IMPACT 1/2"



With cross hole and ring groove for fastening, for machine- or compressed air-operated screw tightening. Made of chromium-molybdenum steel, manganese phosphated.

Order ID	Length mm
429805.0100	64

NERIOX



429795 Extension NERIOX IMPACT 1/2"



With cross hole and ring groove for fastening, for machine- or compressed air-operated screw tightening. Chrome-molybdenum steel, manganese phosphated.

Order ID	Length mm
429795.0100	125
429795.0200	250

NERIOX



430370 Extension NERIOX IMPACT 3/4"



With cross hole and ring groove for fastening, for machine- or compressed air-operated screw tightening. Chrome-molybdenum steel, manganese phosphated.

Order ID	Length mm
430370.0100	175
430370.0200	250
430370.0300	325

438195 Mini bit ratchet NERIOX



NERIOX



Switchable, 52 teeth, **hexagon socket for blades 1/4" C 6.3**, chrome-plated.

Order ID	Length mm	for bits
438195.0100	93	1/4" C 6.3

438005 Holder for socket inserts NERIOX



NERIOX



With hexagon coupler 1/4" C 6.3, with square drive 1/4" for socket inserts, chrome-plated.

Order ID	Length mm	Square drive	Outside hexagon mm
438005.0100	25	1/4"	C 6.3 / 1/4"

437355 Quick change holder NERIOX



NERIOX



Magnetic, with hexagon coupler 1/4" E 6.3, for holding bits 1/4" C 6.3.

Order ID	Length mm	for bits
437355.0100	60	1/4" C 6.3

437645 Bit set NERIOX



NERIOX



32-piece, in a practical plastic box, with 30 bits 1/4" C 6.3, 1 holder for socket wrench inserts 1/4" C 6.3 and 1 quick change bit holder 1/4" E 6.3.

Order ID	437645.0100
Parts	32
Adapter with square	1/4"
Holder with magnet	1/4" x 60 mm
for Slotted screws	4 4.5 5.5 2 x 6.5
Phillips blades No.	1 2 3
Pozidriv blades No.	2 x 1 2 x 2 2 x 3
Hexagon socket bits	3 4 5 6
Bits for TORX® screws	2 x T10 2 x T15 2 x T20 2 x T25 2 x T27 2 x T30

437650 Bit set NERIOX



NERIOX



62-piece, in a practical plastic box, with 60 bits 1/4" C 6.3, 1 bit holder 1/4" E 6.3 and 1 quick change bit holder 1/4" E 6.3.

Order ID	437650.0100
Parts	62
Holder	1/4" x 60 mm
Holder with magnet	1/4" x 60 mm
for Slotted screws	4 4.5 5.5 2 x 6.5 8
Phillips blades No.	1 2 x 2 2 x 3 4
Pozidriv blades No.	1 2 x 2 2 x 3 4
Hexagon socket bits	2 x 3 4 5 2 x 6
Bits for TORX® screws	3 x T10 3 x T15 6 x T20 6 x T25 6 x T30 6 x T40
Blades with hole for TORX® screws	T10 T15 T20 T25 T27 T30

NERIOX



437655 Bit set NERIOX



113-piece, in a practical plastic box, with 98 bits 1/4" C 6.3, 13 long bits 1/4" E 6.3, 1 bit holder 1/4" E 6.3 and 1 quick change bit holder 1/4" E 6.3.

Order ID	437655.0100		
Parts	113		
Holder	1/4" x 60 mm		
Holder with magnet for Slotted screws	1/4" x 60 mm		
Phillips blades No.	7 x 4 7 x 6		
Phillips bits long	7 x 1 7 x 2 7 x 3		
Pozidriv blades No.	3 x 2		
Pozidriv bits long	7 x 1 7 x 2 7 x 3		
Hexagon socket bits	3 x 2		
Bits for TORX® screws	7 x 4 7 x 5 7 x 6		
Long bits for TORX® screws	2 x T10 2 x T15 2 x T20		
	2 x T25 2 x T27 2 x T30		
	2 x T40		
	1 x T10 1 x T15 3 x T20		
Blades with hole for TORX® screws	1 x T25 1 x T30		
	T10 T15 T20 T25 T27 T30 T40		

NERIOX



437625 Bit and socket wrench set NERIOX



24-piece, in a practical plastic box, with 15 bits 1/4" C 6.3, 1 holder for socket inserts 1/4" C 6.3, 1 quick change bit holder 1/4" E 6.3 and 1 mini bit ratchet 1/4", 52 teeth with switch lever.

Order ID	437625.0100		
Parts	24		
Adapter with square	1/4"		
Holder	1/4" x 60 mm		
for Slotted screws	4.5 5.5		
Phillips blades No.	1 2		
Pozidriv blades No.	1 2		
Hexagon socket bits	3 4 5 6		
Outside hexagon	6 7 8 10 11 13		
Bits for TORX® screws	T10 T15 T20 T25 T30		

NERIOX



437055 Electronics screwdriver set NERIOX



For slotted and Phillips screws, with two-component precision tightening handle and rotating centring head; with 4 slotted screwdrivers of sizes 1.6 - 3.0 mm and 3 Phillips screwdrivers sizes 00 - 1; in plastic box.

Order ID	Parts	for slots	for Phillips
437055.0100	7	1.6 2.0 2.4 3.0	00 0 1

NERIOX



437060 Electronics screwdriver set NERIOX



For TORX® screws, with two-component precision tightening handle and rotating centring head; in plastic box.

Order ID	Parts	for TORX® screws
437060.0100	7	T5 T6 T7 T8 T9 T10 T15

434363 Screwdriver slot-head NERIOX



Chromium-molybdenum-vanadium steel, chrome-plated satin, for slotted screws, with ergonomic 2-component power handle.

Order ID	Size	Tip width mm	Tip thickness mm	Blade length mm	Length mm
434363.0100	0-75	2.5	0.4	75	155
434363.0200	-	3	0.5	80	160
434363.0300	1-100	3.5	0.6	100	200
434363.0400	2-100	4	0.8	100	200
434363.0500	3-100	5.5	1.0	100	215
434363.0600	4-125	6.5	1.2	125	240
434363.0700	5-150	8.0	1.2	150	270
434363.0800	6-175	10.0	1.6	175	295

434362 Screwdriver slot-head Knirps NERIOX



Chromium-molybdenum-vanadium steel, **short blade with short handle**, chrome-plated satin, for slot-head screws, with 2-component handle.

Order ID	Size	Tip width mm	Tip thickness mm	Blade length mm	Length mm
434362.0100	2-30	4.0	0.8	30	88
434362.0200	3-30	5.5	1.0	30	88
434362.0300	4-30	6.5	1.2	30	88

434401 Screwdriver set slot-head NERIOX



Chromium-molybdenum-vanadium steel, chrome-plated satin, for slotted screws, with ergonomic 2-component power handle.

Appropriate spare parts:
434363 Screwdriver slot-head NERIOX

Order ID	Parts	Size
434401.0100	5	3.5 4.0 5.5 6.5 8.0
434401.0200	8	2.5 3.0 3.5 4.0 5.5 6.5 8.0 10.0

435078 Cross-head screwdriver NERIOX



Für Phillips-Schrauben, Chrom-Molybdän-Vanadium-Stahl, verchromt satiniert, mit ergonomischem 2-Komponenten-Kraftgriff.

Order ID	Size	Blade length mm	Length mm
435078.0100	PH 0	60	140
435078.0200	PH 1	80	180
435078.0300	PH 2	100	215
435078.0400	PH 3	150	270
435078.0500	PH 4	200	320

435077 Cross-head screwdriver Knirps NERIOX



Für Phillips-Schrauben, Chrom-Molybdän-Vanadium-Stahl, **kurze Klinge mit kurzem Griff**, verchromt satiniert, mit 2-Komponenten-Griff.

Order ID	Size	Blade length mm	Length mm
435077.0100	PH 1	30	88
435077.0200	PH 2	30	88

NERIOX



434407 Cross-head screwdriver set NERIOX



Für **Phillips-Schrauben**, Chrom-Molybdän-Vanadium-Stahl, verchromt satiniert, mit ergonomischem 2-Komponenten-Kraftgriff.

Passende Ersatzteile:
435078 Kreuzschraubendreher NERIOX

Order ID	Parts	Size
434407.0100	3	PH1 PH2 PH3
434407.0200	5	PH0 PH1 PH2 PH3 PH4

NERIOX



435349 Cross-head screwdriver NERIOX



For **Pozidriv screws**, chromium-molybdenum-vanadium steel, chromium-plated satin finish, with ergonomic two-part power handle.

Order ID	Size	Blade length mm	Length mm
435349.0100	PZ 0	60	140
435349.0200	PZ 1	80	180
435349.0300	PZ 2	100	215
435349.0400	PZ 3	150	270

NERIOX



435347 Short cross-head screwdriver NERIOX



For **Pozidriv screws**, chromium-molybdenum-vanadium steel, **short blade with short handle**, chromium-plated satin finish, with two-part handle.

Order ID	Size	Blade length mm	Length mm
435347.0100	PZ 1	30	88
435347.0200	PZ 2	30	88

NERIOX



434416 Cross-head screwdriver set NERIOX



For **Pozidriv screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

Appropriate spare parts:
435349 Cross-head screwdriver NERIOX

Order ID	Parts	Size
434416.0100	3	PZ1 PZ2 PZ3

NERIOX



425276 Screwdriver for TORX® screws NERIOX



For **Torx® screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

Order ID	Size	Blade length mm	Length mm
425276.0100	T 5	60	140
425276.0200	T 6	60	140
425276.0300	T 7	60	140
425276.0400	T 8	60	140
425276.0500	T 9	60	140
425276.0600	T 10	80	160
425276.0700	T 15	80	180
425276.0800	T 20	100	215
425276.0900	T 25	100	215
425276.1000	T 27	115	230
425276.1100	T 30	115	235
425276.1200	T 40	130	250

425431 Screwdriver set for TORX® screws NERIOX



For **Torx® screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

Appropriate spare parts:
425276 Screwdriver for TORX® screws NERIOX

Order ID	Parts	Size
425431.0100	7	T6 T7 T8 T9 T10 T15 T20
425431.0200	10	T6 T7 T8 T9 T10 T15 T20 T25 T27 T30

NERIOX



435418 Screwdriver sets NERIOX

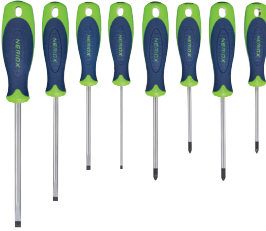


For **Phillips-, Pozidriv- and slot-head screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

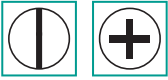
Appropriate spare parts:
434363 Screwdriver slot-head NERIOX
435078 Cross-head screwdriver NERIOX
435349 Cross-head screwdriver NERIOX

Order ID	Parts	Slot	Phillips	Pozidriv
435418.0100	8	3.5 5.5 6.5 8	PH1 PH2	PZ1 PZ2

NERIOX



435413 Screwdriver set NERIOX



For **Phillips- and slot-head screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

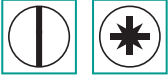
Appropriate spare parts:
434363 Screwdriver slot-head NERIOX
435078 Cross-head screwdriver NERIOX

Order ID	Parts	Slot	Phillips
435413.0100	6	3.5 5.5 6.5 8	PH1 PH2

NERIOX



435414 Screwdriver set NERIOX



For **Pozidriv- and slot-head screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

Appropriate spare parts:
434363 Screwdriver slot-head NERIOX
435349 Cross-head screwdriver NERIOX

Order ID	Parts	Slot	Pozidriv
435414.0100	6	3.5 5.5 6.5 8	PZ1 PZ2

NERIOX



NERIOX



435419 Screwdriver set Knirps NERIOX



For slot-head and Phillips screws, chromium-molybdenum-vanadium steel, **short blade with short handle**, chrome-plated satin, with 2-component handle.

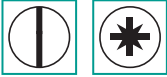
Appropriate spare parts:
434362 Screwdriver slot-head Knirps NERIOX
435077 Cross-head screwdriver Knirps NERIOX

Order ID	Parts	Slot	Phillips
435419.0100	5	4 5.5 6.5	PH1 PH2

NERIOX



435420 Screwdriver set Knirps NERIOX



For slot-head and Pozidriv screws, chromium-molybdenum-vanadium steel, **short blade with short handle**, chrome-plated satin, with 2-component handle.

Appropriate spare parts:
434362 Screwdriver slot-head Knirps NERIOX
435347 Short cross-head screwdriver NERIOX

Order ID	Parts	Slot	Pozidriv
435420.0100	5	4 5.5 6.5	PZ1 PZ2

NERIOX



425075 Hex screwdriver NERIOX



Chrome-molybdenum-vanadium steel, manganese phosphated, for hex socket screws, with an ergonomic 2-component cross handle and suspension hole.

Order ID	Wrench size mm	Blade length mm
425075.0100	2	100
425075.0200	2.5	100
425075.0300	3	100
425075.0400	3	150
425075.0450	3	350
425075.0500	4	150
425075.0600	4	200
425075.0650	4	350
425075.0700	5	150
425075.0800	5	200
425075.0850	5	350
425075.0900	6	150
425075.1000	6	200
425075.1050	6	350
425075.1100	8	200
425075.1150	8	350
425075.1200	10	200
425075.1250	10	350

NERIOX



425090 Hex screwdriver set NERIOX



Chrome-molybdenum-vanadium steel, manganese phosphated, for hex socket screws, with an ergonomic 2-component cross handle, suspension hole and practical metal workshop stand, also suitable for wall mounting.

Order ID	Number of wrenches	Wrench size mm
425090.0100	8	2 x 100 2.5 x 100 3 x 100 4 x 150 5 x 150 6 x 150 8 x 200 10 x 200

425365 Screwdriver for TORX® screws NERIOX



Chrome-molybdenum-vanadium steel, manganese phosphated, for TORX® screws, with an ergonomic 2-component cross handle and suspension hole.

Order ID	Size	Blade length mm	Order ID	Size	Blade length mm
425365.0100	T 10	100	425365.0500	T 27	100
425365.0200	T 15	100	425365.0600	T 30	100
425365.0300	T 20	100	425365.0700	T 40	100
425365.0400	T 25	100	425365.0800	T 45	150

NERIOX



425385 Screwdriver set for TORX® screws NERIOX



Chrome-molybdenum-vanadium steel, manganese phosphated, for TORX® screws, with an ergonomic 2-component cross handle, suspension hole and practical metal workshop stand, also suitable for wall mounting.

Order ID	Number of wrenches	Size
425385.0100	8	T 10 T 15 T 20 T 25 T 27 T 30 T 40 T 45

NERIOX



425085 Hex screwdriver NERIOX



Chrome-molybdenum-vanadium steel, with ball head at long end, manganese phosphated, for hex socket screws, **can be used on both sides**, ergonomic 2-component cross handle and suspension hole.

Order ID	Wrench size mm	Blade length mm
425085.0100	2	100
425085.0200	2.5	100
425085.0300	3	100
425085.0400	4	150
425085.0500	5	150
425085.0600	6	150
425085.0700	8	200
425085.0800	10	200

NERIOX



425095 Hex screwdriver set NERIOX



Chrome-molybdenum-vanadium steel, manganese phosphated, for hex socket screws, **can be used on both sides**, ergonomic 2-component cross handle, suspension hole and practical metal workshop stand, also suitable for wall mounting.

Order ID	Number of wrenches	Wrench size mm
425095.0100	8	2 x 100 2.5 x 100 3 x 100 4 x 150 5 x 150 6 x 150 8 x 200 10 x 200

NERIOX



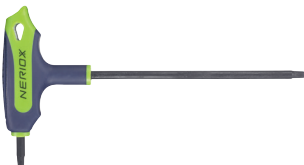
425375 Screwdriver for TORX® screws NERIOX



Chrome-molybdenum-vanadium steel, manganese phosphated, for TORX® screws, **can be used on both sides**, ergonomic 2-component cross handle and suspension hole.

Order ID	Size	Blade length mm	Order ID	Size	Blade length mm
425375.0100	T 10	100	425375.0500	T 27	150
425375.0200	T 15	100	425375.0600	T 30	150
425375.0300	T 20	100	425375.0700	T 40	200
425375.0400	T 25	150	425375.0800	T 45	200

NERIOX



NERIOX



425377 Screwdriver set for TORX® screws NERIOX



Chrome-molybdenum-vanadium steel, manganese phosphated, for TORX® screws, **can be used on both sides**, ergonomic 2-component cross handle, suspension hole and practical metal workshop stand, also suitable for wall mounting.

Order ID	Number of wrenches	Size
425377.0100	8	T 10 T 15 T 20 T 25 T 27 T 30 T 40 T 45

NERIOX



438200 Mini ratchet NERIOX



Switchable, 60 teeth, **hexagon socket** for blades 1/4" C 6.3, chrome-plated. **With adapter also suitable for socket inserts.**

Appropriate accessories:
438005 Holder for socket inserts NERIOX

Order ID	Length mm	for bits
438200.0100	95	1/4" C 6.3

NERIOX



437455 Hexagon blade NERIOX



Tough-hard, for **hexagon socket** screws, with connecting hexagon 1/4" E 6.3. In packs of 10.

Order ID	Size	Length mm
437455.0100	1.5 mm	50
437455.0200	2 mm	50
437455.0300	2.5 mm	50
437455.0400	3 mm	50
437455.0500	4 mm	50
437455.0600	5 mm	50
437455.0700	6 mm	50
437455.0800	8 mm	50

NERIOX



437895 Hexagon blade NERIOX



Tough-hard, for **hexagon socket** screws, with connecting hexagon 1/4" C 6.3. In packs of 10.

Order ID	Size	Length mm
437895.0100	1.5 mm	25
437895.0200	2 mm	25
437895.0300	2.5 mm	25
437895.0400	3 mm	25
437895.0500	4 mm	25
437895.0600	5 mm	25
437895.0700	6 mm	25

437465 Blade for TORX® screws NERIOX



Tough-hard, for **TORX®** screws, with connecting hexagon 1/4" E 6.3. In packs of 10.

Order ID	Size	Length mm
437465.0100	T 6	50
437465.0200	T 7	50
437465.0300	T 8	50
437465.0400	T 10	50
437465.0500	T 15	50
437465.0600	T 20	50
437465.0700	T 25	50
437465.0800	T 30	50
437465.0900	T 40	50

437955 Blade for TORX® screws NERIOX



Tough-hard, for **TORX®** screws, with connecting hexagon 1/4" C 6.3. In packs of 10.

Order ID	Size	Length mm
437955.0100	T 10	25
437955.0200	T 15	25
437955.0300	T 20	25
437955.0400	T 25	25
437955.0500	T 30	25

437415 Pozidriv bit NERIOX



Tough-hard, for **Pozidriv** screws, with connecting hexagon 1/4" E 6.3. In packs of 10.

Order ID	Size	Length mm
437415.0100	PZ 1	50
437415.0200	PZ 2	50
437415.0300	PZ 3	50

437835 Pozidriv bit NERIOX



Tough-hard, for **Pozidriv** screws, with connecting hexagon 1/4" C 6.3. In packs of 10.

Order ID	Size	Length mm
437835.0100	PZ 1	25
437835.0200	PZ 2	25
437835.0300	PZ 3	25

437375 Phillips bit NERIOX



Tough-hard, for **Phillips** screws, with connecting hexagon 1/4" E 6.3. In packs of 10.

Order ID	Size	Length mm
437375.0100	PH 1	50
437375.0200	PH 2	50
437375.0300	PH 3	50

NERIOX



437735 Phillips bit NERIOX



Tough-hard, for **Phillips** screws, with connecting hexagon 1/4" C 6.3. In packs of 10.

Order ID	Size	Length mm
437735.0100	PH 1	25
437735.0200	PH 2	25
437735.0300	PH 3	25

NERIOX



438365 Flat blade NERIOX



Tough, for **slotted** screws, with hexagon coupler 5/16" C8.

Order ID	Tip width mm	Tip thickness mm	Length mm	Order ID	Tip width mm	Tip thickness mm	Length mm
438365.0100	5	1	30	438365.0400	10	1.6	30
438365.0200	7	1.2	30	438365.0500	12	2	30
438365.0300	8	1.2	30				

NERIOX



438370 Phillips blade NERIOX



Tough, for **Phillips** screws, with hexagon coupler 5/16" C8.

Order ID	Size	Length mm	Order ID	Size	Length mm
438370.0100	1	30	438370.0300	3	30
438370.0200	2	30	438370.0400	4	30

NERIOX



438375 Pozidriv blade NERIOX



Tough, for **Pozidriv** screws, with hexagon coupler 5/16" C8.

Order ID	Size	Length mm	Order ID	Size	Length mm
438375.0100	1	30	438375.0300	3	30
438375.0200	2	30	438375.0400	4	30

NERIOX



438380 Hexagon blade NERIOX



Tough, for **hexagon socket** screws, with hexagon coupler 5/16" C8.

Order ID	Wrench size mm	Length mm	Order ID	Wrench size mm	Length mm
438380.0100	7	30	438380.0400	10	30
438380.0200	8	30	438380.0500	12	30
438380.0300	9	30			

NERIOX



438385 Blade for TORX® screws NERIOX



Tough, for **TORX®** screws, with hexagon coupler 5/16" C8.

Order ID	for TORX® screws	Length mm	Order ID	for TORX® screws	Length mm
438385.0100	T20	30	438385.0400	T45	30
438385.0200	T25	30	438385.0500	T50	30
438385.0300	T30	30	438385.0600	T55	30

438395 Blade for TRI-WING® screws NERIOX



Tough, for TRI-WING® screws, with hexagon coupler 5/16" C8.

Order ID	Size	Length mm
438395.0100	1	30
438395.0200	2	30
438395.0300	3	30
438395.0400	4	30

NERIOX



438400 Blade for TORQ-SET® screws NERIOX



Tough, for TORQ-SET® screws, with hexagon coupler 5/16" C8.

Order ID	Size	Length mm
438400.0100	6	30
438400.0200	8	30
438400.0300	10	30

NERIOX



437485 Blade for TRI-WING® screws NERIOX



Tough, for TRI-WING® screws, with hexagon coupler 1/4" C 6.3.

Order ID	Size	Length mm
437485.0100	1	25
437485.0200	2	25
437485.0300	3	25
437485.0400	4	25

NERIOX



437490 Blade for TORQ-SET® screws NERIOX



Tough, for TORQ-SET® screws, with hexagon coupler 1/4" C 6.3.

Order ID	Size	Length mm
437490.0100	6	25
437490.0200	8	25
437490.0300	10	25

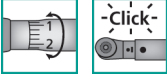
NERIOX



NERIOX



431255 Torque wrench NERIOX



Automatically triggering torque wrench for controlled right-hand tightening, error-free and accurate torque pre-setting via easy-to-read laser scale, with audible and tactile signal when the pre-set torque is reached. Reversible ratchet and robust metal handle. High accuracy of the measured value according to DIN/ISO 6789-1:2017, with factory test certificate and plastic case.

Order ID	Working range Nm	Drive	Division Nm	Accuracy
431255.0100	1...5	1/4"	0.05	± 6%
431255.0200	2...10	1/4"	0.05	± 6%
431255.0300	5...25	1/4"	0.1	± 4%
431255.0400	10...50	3/8"	0.5	± 4%
431255.0500	20...100	1/2"	0.5	± 4%
431255.0600	40...200	1/2"	1	± 4%

NERIOX



431880 Digital torque wrench set NERIOX



Digital torque wrench set for easy and precise use in industrial, automotive, aviation and home applications for hard-to-reach screw connections (motorcycles, bicycles etc.). High accuracy (±3% CW, ±4% CCW) of the measured value, with declaration of conformity according to DIN EN ISO 6789-1:2017. **2 operating modes:** Peak (display mode with peak value display) and Track (display mode with instantaneous value display). Easily adjustable setpoint with visual and audible indication when the preset torque is reached or exceeded. **4 adjustable units** (Nm, in-lb, ft-lb, kg-cm). Switchable, fine-toothed 1/4" ratchet and ergonomic handle. Operates with 1 x AAA battery. **In a robust case as a practical set with matching sockets.**

Order ID	431880.0100	
Working range	Nm	4...20
Drive		1/4"
Division	Nm	0.01
Accuracy		±3% CW, ±4% CCW
Length	mm	207
Weight	g	550
Hex 1/4"		8 9 10 11 12 13
Allen 1/4"	mm	3 4 5 6
Bit for TORX® screws		T15 T20 T25 T30
Phillips 1/4"		1 2
Extensions	mm	50

413640 Workbench vice NERIOX

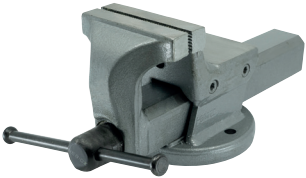
Parallel vice that opens forwards, made from unbreakable forged steel. Serrated jaws with a hardened surface (cannot be interchanged). Heavy-duty guide spindle with trapezoidal thread. The guide spindle and guides are protected from dirt. With adjusting screws and broad, induction-hardened anvil.

Appropriate accessories:

- 413645 Swivel plate NERIOX
- 413650 Pipe clamping jaws NERIOX
- 413655 Vice lift NERIOX
- 413882 Vice jaws

Order ID	Jaw width mm	Clamping width mm	Weight kg
413640.0100	100	125	7
413640.0200	125	150	11
413640.0300	150	200	17
413640.0400	175	220	26

NERIOX



413850 Workbench vice NERIOX

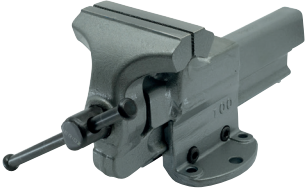
Parallel vice that opens forwards, made from unbreakable forged steel. Serrated jaws with a hardened surface, plus **fixed pipe clamping jaws** below the normal jaws. Heavy-duty guide spindle with trapezoidal thread. Adjustable double V-shaped guide. The guide spindle and guides are protected from dirt. With adjusting screws and broad, induction-hardened anvil.

Appropriate accessories:

- 413855 Swivel plate NERIOX
- 413860 Vice lift NERIOX
- 413882 Vice jaws

Order ID	Jaw width mm	Clamping width mm	Weight kg
413850.0100	100	100	6
413850.0200	120	120	11
413850.0300	140	180	19
413850.0400	160	210	27

NERIOX



413655 Vice lift NERIOX

Suitable for workbench vice NERIOX. With gas spring.

Usable with:

413640 Workbench vice NERIOX

Order ID	for type	Order ID	for type
413655.0100	100 mm	413655.0300	150 mm
413655.0200	125 mm	413655.0400	175 mm

NERIOX



413860 Vice lift NERIOX

Suitable for workbench vice NERIOX. With gas spring.

Usable with:

413850 Workbench vice NERIOX

Order ID	for type	Order ID	for type
413860.0100	100 mm	413860.0300	140 mm
413860.0200	120 mm	413860.0400	160 mm

NERIOX



413645 Swivel plate NERIOX

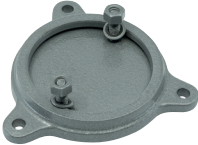
Suitable for workbench vice NERIOX.

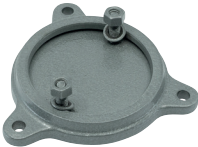
Usable with:

413640 Workbench vice NERIOX

Order ID	for type	Weight kg
413645.0100	100 mm	1.4
413645.0200	125 mm	2.0
413645.0300	150 mm	2.8
413645.0400	175 mm	4.0

NERIOX





413855 Swivel plate NERIOX

Suitable for workbench vice NERIOX.

Usable with:
413850 Workbench vice NERIOX

Order ID	for type	Weight kg
413855.0100	100 mm	1.5
413855.0200	120 mm	2.0
413855.0300	140 mm	3.0
413855.0400	160 mm	4.0

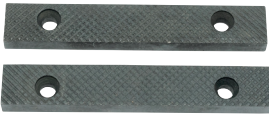


413650 Pipe clamping jaws NERIOX

In pairs, suitable for workbench vice NERIOX.

Usable with:
413640 Workbench vice NERIOX

Order ID	for type	Order ID	for type
413650.0100	100 mm	413650.0300	150 mm
413650.0200	125 mm	413650.0400	175 mm



413865 Replacement jaws NERIOX

In pairs, suitable for workbench vices NERIOX.

Suitable for:
413850 Workbench vice NERIOX

Order ID	Jaw width mm	Order ID	Jaw width mm
413865.0100	120	413865.0300	160
413865.0200	140		

444550 Spring clamp NERIOX

Practical, robust spring clamp with movable gripping jaws. Strong springs for high clamping force, ideal for many different surfaces due to the moveable, profiled gripping jaws.

Order ID	Clamping width mm	Clamping force kN
444550.0100	38	0.045

NERIOX



444555 Spring clamp NERIOX

Practical, robust spring clamp with movable gripping jaws. Strong springs for **very high clamping force**, ideal for many different surfaces due to the moveable, profiled gripping jaws. With ergonomic **two-component handle**.

Order ID	Clamping width mm	Clamping force kN
444555.0100	50	0.12

NERIOX



459205 Revolving punch plier NERIOX

Robust, high-quality revolving punch pliers **for punching holes in leather, textile and plastic material**, five easily adjustable hole punches, Ø 2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 4.5 mm, with opening spring and ratchet, black powder-coated steel body for good rust protection, ergonomic handle for **high force transmission**.

Order ID	Length mm	Hole size mm
459205.0100	230	2.0...4.5

NERIOX



445046 Circlip pliers for internal rings NERIOX

Tool steel, polished head, **straight shape**, drop-forged with turned tips for applying/removing circlips on the inside of bore holes, plastic-coated handles.

Order ID	Type	for circlips mm	Length mm
445046.0100	J0	8...13	140
445046.0200	J1	12...25	140
445046.0300	J2	19...60	180
445046.0400	J3	40...100	240
445046.0500	J4	85...140	310

NERIOX



445066 Circlip pliers for internal rings NERIOX

Tool steel, polished head, **angled shape**, drop-forged with turned tips for applying/removing circlips on the inside of bore holes, plastic-coated handles.

Order ID	Type	for circlips mm	Length mm
445066.0100	J01	8...13	140
445066.0200	J11	12...25	140
445066.0300	J21	19...60	180
445066.0400	J31	40...100	240
445066.0500	J41	85...140	310

NERIOX



445124 Circlip pliers for external rings NERIOX

Tool steel, polished head, **straight shape**, drop-forged with turned tips for applying/removing circlips on the outside of shafts or axles, plastic-coated handles.

Order ID	Type	for circlips mm	Length mm
445124.0100	A0	3...10	140
445124.0200	A1	10...25	140
445124.0300	A2	19...60	180
445124.0400	A3	40...100	240

NERIOX



445144 Circlip pliers for external rings NERIOX

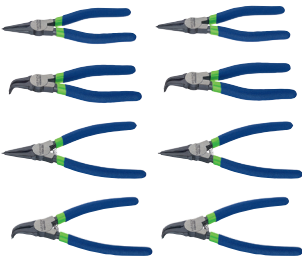
Tool steel, polished head, **angled shape**, drop-forged with turned tips for applying/removing circlips on the outside of shafts or axles, plastic-coated handles.

Order ID	Type	for circlips mm	Length mm
445144.0100	A01	3...10	140
445144.0200	A11	10...25	140
445144.0300	A21	19...60	180
445144.0400	A31	40...100	240
445144.0500	A41	85...140	310

NERIOX



NERIOX



445175 Circlip pliers set NERIOX

8-piece, made of tool steel, polished heads, in roll-up case.

Consisting of:

- 445046.0200: 1 pieces Circlip pliers NERIOX for internal rings J1, 12–25 mm
- 445046.0300: 1 pieces Circlip pliers NERIOX for internal rings J2, 19–60 mm
- 445066.0200: 1 pieces Circlip pliers NERIOX for internal rings J11, 12–25 mm
- 445066.0300: 1 pieces Circlip pliers NERIOX for internal rings J21, 19–60 mm
- 445124.0200: 1 pieces Circlip pliers NERIOX For external rings A1, 10–25 mm
- 445124.0300: 1 pieces Circlip pliers NERIOX For external rings A2, 19–60 mm
- 445144.0200: 1 pieces Circlip pliers NERIOX For external rings A11, 10–25 mm
- 445144.0300: 1 pieces Circlip pliers NERIOX For external rings A21, 19–60 mm

Order ID	Parts
445175.0100	8

NERIOX



441723 Diagonal cutters NERIOX

Tool steel, polished head, low-wear lap joint, riveted and able to withstand high loads, with ergonomic two-component grip sleeves.

Order ID		441723.0100	441723.0200
Length	mm	140	160
Jaw length	mm	19	21
for medium-hard wire	mm	2.2	2.5
for hard wire	mm	1.6	1.8
for piano wire	mm	1.2	1.4

NERIOX



441727 Diagonal cutters NERIOX

Tool steel, polished head, low-wear lap joint, riveted and able to withstand high loads, with plastic-coated handle.

Order ID		441727.0100
Length	mm	160
Jaw length	mm	21
for medium-hard wire	mm	2.5
for hard wire	mm	1.8
for piano wire	mm	1.4

NERIOX



441724 Heavy-duty diagonal cutters NERIOX

Tool steel, polished head, low-wear lap joint, riveted and able to withstand high loads, with ergonomic two-component grip sleeves. Cutting edge hardness approx. HRC 63

Order ID		441724.0100	441724.0200	441724.0300
Length	mm	160	180	200
Jaw length	mm	21	23	25
for medium-hard wire	mm	3.0	3.5	3.8
for hard wire	mm	2.2	2.5	2.7
for piano wire	mm	1.8	2.0	2.3

NERIOX



441726 Heavy-duty diagonal cutters NERIOX

Tool steel, polished head, low-wear lap joint, riveted and able to withstand high loads, with plastic-coated handle. Cutting edge hardness approx. HRC 63

Order ID		441726.0100
Length	mm	160
Jaw length	mm	21
for medium-hard wire	mm	3.0
for hard wire	mm	2.2
for piano wire	mm	1.8

NERIOX



440063 Combination pliers NERIOX

Tool steel, polished head, extra-long cutting edge (HRC 63) for flat and round cables, with ergonomic two-component grip sleeves.

Order ID		440063.0100	440063.0200	440063.0300
Length	mm	160	180	200
Jaw length	mm	35	37	41
for medium-hard wire	mm	2.5	2.8	3.1
for hard wire	mm	1.8	2.0	2.2
for piano wire	mm	1.4	1.6	1.8

440064 Combination pliers NERIOX

Tool steel, polished head, extra-long cutting edge (HRC 63) for flat and round cables, plastic-coated handles.

Order ID		440064.0100	440064.0200
Length	mm	160	180
Jaw length	mm	35	37
for medium-hard wire	mm	2.5	2.8
for hard wire	mm	1.8	2.0
for piano wire	mm	1.4	1.6

NERIOX



440657 Long flat-nose pliers NERIOX

Tool steel, extra-long, polished head, serrated gripping surfaces, with ergonomic two-component handle covers.

Order ID	Length mm	Jaw length mm
440657.0100	160	50

NERIOX



440335 Long flat-nose pliers NERIOX

Tool steel, extra-long, polished head, serrated gripping surfaces, plastic-coated handles.

Order ID	Length mm	Jaw length mm
440335.0100	160	50

NERIOX



440243 Telephone pliers NERIOX

Tool steel, polished head, extra-long cutting edge for flat and round cables, gripping surface partially serrated, with ergonomic two-component grip sleeves.

Order ID			440243.0100	440243.0200
Length	mm		160	200
Jaw length	mm		59	84
for medium-hard wire	mm		2.2	2.5
for hard wire	mm		1.6	1.8
for piano wire	mm		1.2	1.4

NERIOX



440244 Telephone pliers NERIOX

Tool steel, polished head, extra-long cutting edge for flat and round cables, partially serrated gripping surface, plastic-coated handles.

Order ID			440244.0100	440244.0200
Length	mm		160	200
Jaw length	mm		59	84
for medium-hard wire	mm		2.2	2.5
for hard wire	mm		1.6	1.8
for piano wire	mm		1.2	1.4

NERIOX



440331 Radio pliers NERIOX

Tool steel, polished head, tip curved approx. 40°, extra-long cutting edge for flat and round cables, gripping surface partially serrated, with ergonomic two-component grip sleeves.

Order ID			440331.0100	440331.0200
Length	mm		160	200
Jaw length	mm		56	79
for medium-hard wire	mm		2.2	2.5
for hard wire	mm		1.6	1.8
for piano wire	mm		1.2	1.4

NERIOX



440332 Radio pliers NERIOX

Tool steel, polished head, tip curved at approx. 40°, extra-long cutting edge for flat and round cables, partially serrated gripping surfaces, plastic-coated handles.

Order ID			440332.0100
Length	mm		160
Jaw length	mm		56
for medium-hard wire	mm		2.2
for hard wire	mm		1.6
for piano wire	mm		1.2

NERIOX



443173 Multigrip pliers NERIOX

Tool steel, polished head, box-type, precision adjustment joint, providing optimal adaptation to the gripped object, plastic-coated handles.

Order ID	Length mm	for tubes Ø mm	Hexagonal mm
443173.0100	250	50.8	50
443173.0200	300	63.5	63

NERIOX



NERIOX



443185 Multigrip pliers NERIOX

DIN ISO 8976, chrome-vanadium steel, forged, hardened, powder-coated, with **box joint**, self locking on pipes and nuts, clamp protection prevents crushing injuries.

Order ID	Length mm	for tubes Ø mm	Hexagonal mm
443185.0100	240	36	32

NERIOX



440085 Pliers set NERIOX

4-piece, made of tool steel, polished heads, in box.

Consisting of:
440063.0200: 1 pieces Combination pliers NERIOX 180 mm
440243.0200: 1 pieces Telephone pliers NERIOX 200 mm
441723.0200: 1 pieces Diagonal cutters NERIOX 160 mm
443173.0100: 1 pieces Multigrip pliers NERIOX 250 mm

Order ID	Parts
440085.0100	4

NERIOX



440090 Pliers set NERIOX

4-piece, made of tool steel, polished heads, in box.

Consisting of:
440064.0200: 1 pieces Combination pliers NERIOX 180 mm
440244.0200: 1 pieces Telephone pliers NERIOX 200 mm
441727.0100: 1 pieces Diagonal cutters NERIOX 160 mm
443173.0100: 1 pieces Multigrip pliers NERIOX 250 mm

Order ID	Parts
440090.0100	4

NERIOX



441771 Diagonal cutters VDE NERIOX



Tool steel, polished head, low-wear lap joint, riveted and able to withstand high loads. **1000-volt insulation, VDE-tested**, corresponds to standard DIN EN 60900, with ergonomic two-component grip sleeves.

Order ID		441771.0100	441771.0200
Length	mm	140	160
Jaw length	mm	19	21
for medium-hard wire	mm	2.2	2.5
for hard wire	mm	1.6	1.8
for piano wire	mm	1.2	1.4

NERIOX



441772 Heavy-duty diagonal cutters VDE NERIOX



Tool steel, polished head, low-wear lap joint, riveted and able to withstand high loads. **1000-volt insulation, VDE-tested**, corresponds to standard DIN EN 60900, with ergonomic two-component grip sleeves.

Order ID		441772.0100	441772.0200
Length	mm	160	200
Jaw length	mm	21	25
for medium-hard wire	mm	3.0	3.8
for hard wire	mm	2.2	2.7
for piano wire	mm	1.8	2.3

NERIOX



440131 Combination pliers VDE NERIOX



Tool steel, polished head, extra-long cutting edge for flat and round cables, **1000-volt insulation, VDE-tested**, corresponds to standard DIN EN 60900, with ergonomic two-component grip sleeves.

Order ID		440131.0100	440131.0200	440131.0300
Length	mm	160	180	200
Jaw length	mm	35	37	41
for medium-hard wire	mm	2.5	2.8	3.1
for hard wire	mm	1.8	2.0	2.2
for piano wire	mm	1.4	1.6	1.8

440281 Telephone pliers VDE NERIOX



Tool steel, polished head, extra-long cutting edge for flat and round cables, partially serrated gripping surfaces, **1000-volt insulation, VDE-tested**, corresponds to standard DIN EN 60900, with ergonomic two-component grip sleeves.

Order ID		440281.0100	440281.0200
Length	mm	160	200
Jaw length	mm	59	84
for medium-hard wire	mm	2.2	2.5
for hard wire	mm	1.6	1.8
for piano wire	mm	1.2	1.4



440361 Radio pliers VDE NERIOX



Tool steel, polished head, tip curved approx. 40°, extra-long cutting edge for flat and round cables, partially serrated gripping surfaces, **1000-volt insulation, VDE-tested**, corresponds to standard DIN EN 60900, with ergonomic two-component grip sleeves.

Order ID		440361.0100	440361.0200
Length	mm	160	200
Jaw length	mm	56	79
for medium-hard wire	mm	2.2	2.5
for hard wire	mm	1.6	1.8
for piano wire	mm	1.2	1.4



449332 Wire strippers VDE NERIOX



Tool steel, polished head, precision cutting prism for even cutting of the cable insulation. An easy to use adjusting screw allows the stripping diameter to be set. Opening spring for effortless and sensitive handling of the pliers. **1000-volt insulation, VDE-tested**, corresponds to standard DIN EN 60900, with ergonomic two-component grip sleeves.

Order ID	Length mm	for cable Ø mm	for strands and conductors mm²
449332.0100	160	5	10



441406 Multigrip pliers VDE NERIOX



Tool steel, **1000-volt insulation, VDE-tested**, corresponds to standard DIN EN 60900, with ergonomic two-component grip sleeves.

Order ID	Length mm	for tubes Ø mm	Hexagonal mm
441406.0100	250	50.8	50



443270 Water pump pliers NERIOX

Chrome-vanadium steel, Swedish design, **S-shape**, red powder-coated, chrome-plated adjusting nut, polished mouth, additional induction-hardened teeth.

Order ID	Length mm	for tubes up to Ø in	Clamping width mm
443270.0100	320	1	42
443270.0200	430	1 1/2	60
443270.0300	570	2	70



NERIOX



440095 VDE Pliers set NERIOX



3-piece, made of tool steel, polished heads, **1000-Volt insulation**, **VDE-tested**, corresponds to standard DIN EN 60900, in box.

Consisting of:
440131.0200: 1 pieces Combination pliers VDE NERIOX 180 mm
440281.0200: 1 pieces Telephone pliers VDE NERIOX 200 mm
441771.0200: 1 pieces Diagonal cutters VDE NERIOX 160 mm

Order ID	Parts
440095.0100	3

NERIOX



444026 Universal gripping pliers NERIOX

Chrome molybdenum steel, **nickel-plated**, can be used as pipe wrenches and gripping pliers, adjustable and lockable, with release trigger, with two **straight jaws**.

Order ID	Length mm	Clamping width mm
444026.0100	175	35
444026.0200	250	40

NERIOX



444106 Universal gripping pliers NERIOX

Chrome molybdenum steel, **nickel-plated**, can be used as pipe wrenches and gripping pliers, adjustable and lockable, with release trigger, with two **bent jaws and wire cutter**.

Order ID	Length mm	Clamping width mm
444106.0100	175	38
444106.0200	250	48

NERIOX



444280 Universal gripping pliers NERIOX

Chrome-molybdenum steel, **nickel-plated**, can be used as pipe wrenches and gripping pliers, adjustable and lockable, with release trigger, with **double V-shaped jaws**.

Order ID	Length mm	Jaw length mm	Clamping width mm
444280.0100	250	50	40

NERIOX



444285 Universal gripping pliers NERIOX

Chrome-molybdenum steel, **nickel-plated**, can be used as pipe wrenches and gripping pliers, adjustable and lockable, with release trigger, with **V-shaped jaws**.

Order ID	Length mm	Jaw length mm	Clamping width mm
444285.0100	175	30	30
444285.0200	250	35	40

NERIOX



444156 Long nose gripping pliers NERIOX

Chrome molybdenum steel, **nickel-plated**, can be used as pipe wrenches and gripping pliers, adjustable and lockable, with release trigger, with **long, flat, narrow jaws and wire cutter**.

Order ID	Length mm	Jaw length mm	Clamping width mm
444156.0100	170	45	42

NERIOX



444316 Gripping pliers NERIOX

Chrome vanadium steel, **nickel-plated**, C-shape, with **hinged jaws**, for **parallel clamping**, designed as a clamp for angle sections and T sections, adjustable and lockable, with release lever, large clamping width, can also be used instead of sliding clamps.

Order ID	Length mm	Clamping width mm	Clamping depth mm
444316.0100	150	37	37
444316.0200	275	80	70

444317 Gripping pliers NERIOX

Chrome vanadium steel, **nickel-plated**, C-shape, for **parallel clamping**, designed as a clamp for angle sections and T sections, adjustable and lockable, with release lever, large clamping width, can also be used instead of sliding clamps.

Order ID	Length mm	Clamping width mm	Clamping depth mm
444317.0100	150	37	40
444317.0200	275	80	80

NERIOX



444371 Welder's gripping pliers NERIOX

Chrome molybdenum steel, **nickel-plated**; for **profile and flat material**, leaves both hands free for working, the welding point is easily visible, adjustable and lockable, with release trigger.

Order ID	Length mm	Clamping width mm	Jaw depth mm
444371.0100	275	54	40

NERIOX



444372 Welder's gripping pliers NERIOX

Chrome molybdenum steel, **nickel-plated**; for **round material**, leaves both hands free for working, the welding point is easily visible, adjustable and lockable, with release trigger.

Order ID	Length mm	Clamping width mm	Jaw depth mm
444372.0100	275	72	45

NERIOX

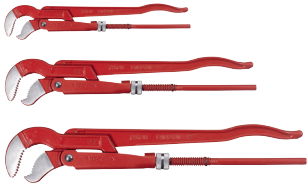


443295 Pipe wrench set NERIOX

Set of three wrenches, chrome-vanadium steel, Swedish pattern, **S shape**, red powder-coated, chrome-plated adjusting nut, polished mouth, teeth additionally induction hardened.

Order ID	Parts	Consisting of
443295.0100	3	1 pipe wrench NERIOX, 1" (320 mm), clamping width 42 mm 1 pipe wrench NERIOX, 1 1/2" (430 mm), clamping width 60 mm 1 pipe wrench NERIOX, 2" (570 mm), clamping width 70 mm

NERIOX



445860 Wire twisting pliers NERIOX

High-quality wire twisting pliers for demanding use in industry, trades, mechanical engineering and metalworking. **Robust Cr-V high-performance steel alloy** and precision-hardened jaws for fast, clean and safe twisting of wire connections – even under heavy stress in daily continuous use. **The black galvanized surface reliably protects against corrosion. Integrated cutting edges** for efficient wire shortening and the **one-sided angled jaws with cross-serrated profile** ensure a secure grip on the wire even in hard-to-reach work areas. An integrated sliding switch for **right and left-hand twisting** and the **automatic spring return** enable maximum flexibility and ensure fast, comfortable working during repeated twisting operations. The chrome-plated rotary knob with double knurling provides optimal grip and controlled force transmission.

- Robust high-performance steel alloy and hardened tool steel jaws for long service life
- Cross-serrated gripping surfaces for a secure hold
- One-sided angled jaws for hard-to-reach areas
- Integrated cutting edge for shortening wire
- Right and left-hand twisting
- Automatic spring return

Order ID	Length mm	for wires up to Ø mm
445860.0100	235	0.8

NERIOX



NERIOX



448625 Tweezers NERIOX

Special stainless steel, **fine tips with corrugated gripping faces**, inexpensive workshop design.

Order ID	Length mm
448625.0100	115

NERIOX



448655 Tweezers NERIOX

Special stainless steel, **half-round, corrugated tips**, inexpensive workshop design.

Order ID	Length mm
448655.0100	130
448655.0200	155
448655.0300	200

NERIOX



448665 Tweezers NERIOX

Special stainless steel, **half-round, corrugated tips, PVC-coated** up to the tip, inexpensive workshop design.

Order ID	Length mm
448665.0100	145

NERIOX



448695 Tweezers NERIOX

Special stainless steel, length 150 mm with centring pin, angled tips, corrugated gripping faces, inexpensive workshop design.

Order ID	Length mm
448695.0100	115
448695.0200	150

NERIOX

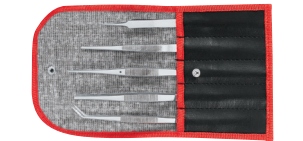


448715 Tweezers NERIOX

Special stainless steel, bent tips, PVC-coated up to the tip, inexpensive workshop design.

Order ID	Length mm
448715.0100	150

NERIOX



448725 Tweezer set NERIOX

5-piece, special stainless steel, inexpensive workshop design, in plastic pocket.

Order ID	Tweezers
448725.0100	5

NERIOX



448735 Precision tweezers NERIOX

Special stainless steel, smooth gripping faces.

Order ID	Type	Length mm
448735.0200	3-SS	115
448735.0300	AA-SS	125
448735.0400	RR-SS	140

NERIOX



448742 Precision tweezers NERIOX

Special stainless steel, antimagnetic, smooth gripping faces.

Order ID	Type	Length mm
448742.0100	00-SA	120

NERIOX



448775 Cross jaw tweezers NERIOX

Special stainless steel, flat, trapezoidal tip, corrugated gripping faces.

Order ID	Length mm
448775.0100	160

446465 Fitting pliers NERIOX

Special stainless steel, polished, clamping scissors for all-purpose use, for gripping all kinds of small parts firmly, with locking catch, fine teeth on inside surfaces.

Order ID	Length mm	Jaw length mm
446465.0100	160	75

NERIOX



418470 Flexible claw gripper NERIOX

Flexible claw gripper for precise retrieval of components and other small parts from hard-to-reach spaces, whether in machines, systems or cramped working areas. Ideal for use in assembly, maintenance and workshops. The **flexible, precisely alignable steel shaft** enables precise guidance, while the **robust claw mechanism with three hardened gripping arms** firmly grips even small components. The **ergonomic pressure handle** enables precise control of the gripping force, ensuring optimal control when working.

- **Hardened three-claw gripping mechanism** – for secure gripping and retrieval of small non-magnetic parts such as screws, nuts, seals etc.
- **Flexible steel shaft** – pliable, able to retain its shape and can be optimally aligned for use in angled areas
- **Precision-controlled pressure handle** – ergonomic design for precise control and fatigue-free working
- **Smooth return mechanism** – ensures seamless opening and closing of the claws without using force
- **Versatile** – ideal for repair, maintenance, automotive engineering and industrial manufacturing applications
- **Professional industrial quality** – durable, reliable and robust for everyday use

Order ID	Length mm	Grip Ø max. mm
418470.0100	500	22

NERIOX



448777 Precision tweezers NERIOX ESD



Special stainless steel, antimagnetic, with **ESD coating**, dissipative, smooth gripping faces.

Designs:

448777.0100 00-SA Fine tips, for very fine assembly work

448777.0200 AA-SA Strong tips, for general assembly work

448777.0300 RR-SA Very strong tips, for demanding work

Order ID	Type	Length mm
448777.0100	00-SA	120
448777.0200	AA-SA	127
448777.0300	RR-SA	140

NERIOX

448787 Precision tweezers NERIOX ESD, 5-SA



Type 5-SA, with straight, very fine tips. Special stainless steel, non-magnetic, **with ESD coating**, electrically conductive, smooth gripping surfaces.

Order ID	Type	Length mm
448787.0100	5-SA	115

NERIOX

448788 Precision tweezers NERIOX ESD, 7-SA



Type 7-SA, with curved, very fine tips. Special stainless steel, non-magnetic, **with ESD coating**, electrically conductive, smooth gripping surfaces.

Order ID	Type	Length mm
448788.0100	7-SA	120

NERIOX



459220 Hole punch set NERIOX

11-piece, patented fastening system and made of highly resistant steel. Complete set with steel holder and hole punch inserts for cutting washers, sealing rings made of foam, cardboard, leather, rubber, fibrous material, plastics, etc. Supplied in a plastic case with foam insert.

Appropriate spare parts:
459150 Hole punch insert NERIOX

Order ID	Parts	Contents
459220.0100	11	1 steel holder NERIOX, for hole punch inserts Ø 2-20 mm 10 hole punch inserts NERIOX, Ø 3, 4, 6, 8, 10, 12, 14, 16, 18, 20 mm



459225 Hole punch set NERIOX

16-piece, patented fastening system and made of highly resistant steel. Complete set with ergonomic 2-component holder and hole punch inserts for cutting washers, sealing rings made of foam, cardboard, leather, rubber, fibrous material, plastics, etc. Supplied in a plastic case with foam insert.

Appropriate spare parts:
459150 Hole punch insert NERIOX
459155 Hole punch holder NERIOX

Order ID	Parts	Contents
459225.0100	16	1 2-component holder NERIOX, for hole punch inserts Ø 2-60 mm 15 hole punch inserts NERIOX, Ø 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm



459230 Hole punch set NERIOX

18-piece, patented fastening system and made of highly resistant steel. Complete set with ergonomic 2-component holder and hole punch inserts, circular cutter and centring tip for cutting washers, sealing rings made of foam, cardboard, leather, rubber, fibrous material, plastics, etc. Supplied in a plastic case with foam insert.

Appropriate spare parts:
459150 Hole punch insert NERIOX
459155 Hole punch holder NERIOX
459167 Circular cutter NERIOX
459169 Flexible centring tip NERIOX

Order ID	Parts	Contents
459230.0100	18	1 2-component holder NERIOX, for hole punch inserts Ø 2-60 mm 1 Circular cutter NERIOX, 330 mm 1 Centring tip NERIOX 15 hole punch inserts NERIOX, Ø 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 mm



459235 Hole punch set NERIOX

32-piece, patented fastening system and made of highly resistant steel. Complete set with ergonomic 2-component holder, hole punch inserts, centring tip and punch support for cutting washers, sealing rings made of foam, cardboard, leather, rubber, fibrous material, plastics, etc. Supplied in a plastic case with foam insert.

Appropriate spare parts:
459150 Hole punch insert NERIOX
459155 Hole punch holder NERIOX
459165 Punch support NERIOX
459169 Flexible centring tip NERIOX

Order ID	Parts	Contents
459235.0100	32	1 2-component holder NERIOX, for hole punch inserts Ø 2-60 mm 1 Punch support NERIOX for hole punch inserts Ø 2-50 mm 1 Centring tip NERIOX 29 hole punch inserts NERIOX, Ø 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50 mm

459240 Hole punch set NERIOX

38-piece, patented fastening system and made of highly resistant steel. Complete set with ergonomic 2-component holder and hole punch inserts, centring tip, circular cutter and punch support for cutting washers, sealing rings made of foam, cardboard, leather, rubber, fibrous material, plastics, etc. Supplied in a plastic case with foam insert.

Appropriate spare parts:

- 459150 Hole punch insert NERIOX
- 459155 Hole punch holder NERIOX
- 459165 Punch support NERIOX
- 459167 Circular cutter NERIOX
- 459169 Flexible centring tip NERIOX

Order ID	459240.0100
Parts	38
Contents	1 2-component holder NERIOX, for hole punch inserts Ø 2-60 mm 1 Punch support NERIOX for hole punch inserts Ø 2-60 mm 1 Circular cutter NERIOX, 420 mm 1 Centring tip NERIOX 34 hole punch inserts NERIOX, Ø 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60 mm

NERIOX



459150 Hole punch insert NERIOX

Patented fastening system and made of highly resistant steel. In conjunction with the appropriate accessories for cutting washers, sealing rings made of foam, cardboard, leather, rubber, fibrous material, plastics, etc.

Appropriate accessories:

- 459155 Hole punch holder NERIOX
- An additional mounting disc (accessory) is required for inserts from Ø 32 mm.

Order ID	Ø mm	Order ID	Ø mm	Order ID	Ø mm
459150.0100	2	459150.1300	18	459150.2500	42
459150.0200	3	459150.1400	20	459150.2600	44
459150.0300	4	459150.1500	22	459150.2700	46
459150.0400	5	459150.1600	24	459150.2800	48
459150.0500	6	459150.1700	26	459150.2900	50
459150.0600	7	459150.1800	28	459150.3000	52
459150.0700	8	459150.1900	30	459150.3100	54
459150.0800	9	459150.2000	32	459150.3200	56
459150.0900	10	459150.2100	34	459150.3300	58
459150.1000	12	459150.2200	36	459150.3400	60
459150.1100	14	459150.2300	38		
459150.1200	16	459150.2400	40		

NERIOX



459155 Hole punch holder NERIOX

Ergonomic 2-component handle with excellent shock-absorbing properties. For use with NERIOX hole punches and accessories. For use with punches larger than Ø 30 mm, you will need a mounting disc (see accessories).

Appropriate accessories:

- 459165 Punch support NERIOX

Order ID	suitable for
459155.0100	Hole punch inserts NERIOX Ø 2-60 mm

NERIOX



459165 Punch support NERIOX

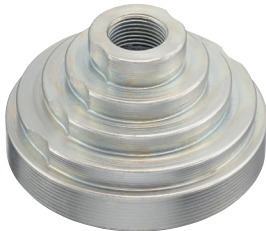
For use with NERIOX hole punches and accessories.

Usable with:

- 459155 Hole punch holder NERIOX

Order ID	for Ø mm
459165.0100	2...50
459165.0200	2...60

NERIOX





459167 Circular cutter NERIOX

For use with NERIOX hole punches and accessories.

Appropriate spare parts:

459169 Flexible centring tip NERIOX

Order ID	suitable for
459167.0100	Cuts up to max. 330 mm
459167.0200	Cuts up to max. 420 mm



459175 Circular cutter NERIOX

With 2 blades for direct cutting of e.g. O-rings.

Order ID	suitable for
459175.0100	Cuts up to max. 190 mm



459169 Flexible centring tip NERIOX

For use with NERIOX hole punches and accessories.

Suitable for:

459167 Circular cutter NERIOX
459230 Hole punch set NERIOX
459235 Hole punch set NERIOX
459240 Hole punch set NERIOX

Order ID	suitable for
459169.0100	Circular cutter NERIOX



454200 Tool set NERIOX

Practical tool set with the most popular striking tools. Supplied in a black plastic box.

Appropriate spare parts:

453070 Brad punch NERIOX
454040 Centre punch NERIOX
454330 Flat chisel NERIOX
454335 Cross-cut chisel NERIOX

Order ID	454200.0100
Parts	6
Contents	1 Centre punch NERIOX Ø 3 x 120 mm 1 Brad punch NERIOX Ø 3 x 120 mm 1 Brad punch NERIOX Ø 4 x 120 mm 1 Flat chisel NERIOX 14 x 9 mm 1 Flat chisel NERIOX 17 x 11 mm 1 Cross-cut chisel NERIOX 17 x 11 x 125 mm



454330 Flat chisel NERIOX

Made of chromium-vanadium steel, flat oval, fully tempered, chisel blade polished. The hardening and tempering of the impact head almost completely prevents splitting and bulging.

Appropriate accessories:

454350 NERIOX hand protection handle

Order ID	Length mm	Shaft mm
454330.0100	125	14 x 9
454330.0200	150	17 x 11
454330.0300	175	20 x 12
454330.0400	200	23 x 13
454330.0500	250	23 x 13
454330.0600	300	23 x 13

454355 Flat chisel NERIOX

Made of chromium-vanadium steel, flat oval, fully tempered, chisel blade polished. The hardening and tempering of the impact head almost completely prevents splitting and bulging. **Ergonomic 2-component handle with excellent shock-absorbing properties.**

Order ID	Edge width mm	Length mm
454355.0100	15	190
454355.0200	26	220



454345 Cutting chisel NERIOX

Made of chromium-vanadium steel, flat oval, fully tempered, chisel blade polished. The hardening and tempering of the impact head almost completely prevents splitting and bulging.

Appropriate accessories:

454350 NERIOX hand protection handle

Order ID	Length mm	Shaft mm
454345.0100	230	26 x 7



454335 Cross-cut chisel NERIOX

Made of chromium-vanadium steel, flat oval, fully tempered, chisel blade polished. The hardening and tempering of the impact head almost completely prevents splitting and bulging.

Appropriate accessories:

454350 NERIOX hand protection handle

Order ID	Length mm	Shaft mm
454335.0100	125	17 x 11
454335.0200	150	17 x 11
454335.0300	200	20 x 12



454350 NERIOX hand protection handle

Shock-absorbing handle, suitable for **protecting hands when striking** with a hammer. Ergonomic design to help prevent hand injuries.

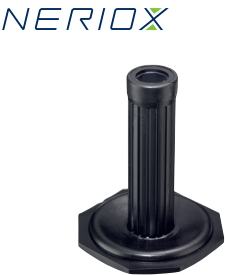
Usable with:

454330 Flat chisel NERIOX

454335 Cross-cut chisel NERIOX

454345 Cutting chisel NERIOX

Order ID	suitable for
454350.0100	Octagonal chisel Ø 16 mm
454350.0200	Octagonal chisel Ø 18 mm
454350.0300	Flat chisel 20 x 12 mm
454350.0400	Flat chisel 23 x 13 mm
454350.0500	Cutting chisel 26 x 7 mm



453420 Parallel pin punch NERIOX

Made of chromium-vanadium steel, octagonal shaft, fully tempered. **Ergonomic 2-component handle with excellent shock-absorbing properties.**

Suitable for:

453450 Parallel pin punch set NERIOX

Order ID	Ø mm	Length mm	Shaft mm
453420.0100	2	150	10
453420.0200	2.5	150	10
453420.0300	3	150	10
453420.0400	3.5	150	10
453420.0500	4	150	10
453420.0600	5	150	10
453420.0700	6	150	10
453420.0800	7	150	12
453420.0900	8	150	12
453420.1000	9	150	12
453420.1100	10	150	12





453445 Parallel pin punch NERIOX
extra long

Extra-long version, made of chrome vanadium steel, octagonal shaft, fully tempered. **Ergonomic 2-component handle with excellent shock-absorbing properties.**

Order ID	Ø mm	Length mm	Shaft mm
453445.0100	10	290	18
453445.0200	12	290	18
453445.0300	14	290	18
453445.0400	16	290	18
453445.0500	18	290	18



453450 Parallel pin punch set NERIOX

5-piece, in a practical metal stand. Made of chromium-vanadium steel, octagonal shaft, fully tempered. **Ergonomic 2-component handle with excellent shock-absorbing properties.**

Appropriate spare parts:
453420 Parallel pin punch NERIOX

Order ID	Parts	Contents
453450.0100	5	1 Parallel pin punch NERIOX Ø 3 mm 1 Parallel pin punch NERIOX Ø 4 mm 1 Parallel pin punch NERIOX Ø 5 mm 1 Parallel pin punch NERIOX Ø 6 mm 1 Parallel pin punch NERIOX Ø 8 mm 1 Metal stand



453425 Parallel pin punch with guide sleeve NERIOX

Made of chromium-vanadium steel, guide sleeve knurled, driver pin hardened, with loose guide sleeve.

Order ID	Ø mm	Length mm	Shaft mm
453425.0100	0.9	70	5
453425.0200	1.4	80	6
453425.0300	1.9	83	6
453425.0400	2.4	92	7
453425.0500	2.9	94	7
453425.0600	3.4	100	8
453425.0700	3.9	100	8
453425.0800	4.9	110	10



453435 Parallel pin punch set with guide sleeve NERIOX

7-piece, in a practical metal stand. Made of chromium-vanadium steel, guide sleeve knurled, driver pin hardened.

Consisting of:
453425.0100 Parallel pin punch NERIOX with guide sleeve 0.9 mm
453425.0200 Parallel pin punch NERIOX with guide sleeve 1.4 mm
453425.0300 Parallel pin punch NERIOX with guide sleeve 1.9 mm
453425.0400 Parallel pin punch NERIOX with guide sleeve 2.4 mm
453425.0500 Parallel pin punch NERIOX with guide sleeve 2.9 mm
453425.0600 Parallel pin punch NERIOX with guide sleeve 3.4 mm
453425.0700 Parallel pin punch NERIOX with guide sleeve 3.9 mm

Order ID	Parts
453435.0100	7



453070 Brad punch NERIOX

Made of chromium-vanadium steel, octagonal shaft, fully tempered, ground and polished, rounded edges. The hardening and tempering of the impact head almost completely prevents splitting and bulging.

Order ID	Ø mm	Length mm	Shaft mm
453070.0100	1	120	10
453070.0200	2	120	10
453070.0300	3	120	10
453070.0400	4	120	10
453070.0500	5	120	10
453070.0600	6	120	10

454040 Centre punch NERIOX

NFE 71211/DIN 7250, made of chromium-vanadium steel, octagonal shaft, fully tempered, ground and polished. The hardening and tempering of the impact head almost completely prevents splitting and bulging.

Order ID	Ø mm	Length mm	Shaft mm
454040.0100	3	120	10
454040.0200	4	120	10
454040.0300	5	120	10
454040.0400	5	150	12
454040.0500	6	120	12

NERIOX



454045 Centre punch with carbide tip NERIOX

Made of chromium-vanadium steel with carbide tip, shaft knurled. The hardening and tempering of the impact head almost completely prevents splitting and bulging.

Order ID	Length mm	Shaft mm
454045.0100	115	10

NERIOX



454070 Automatic centre punch NERIOX

Made of chromium-vanadium steel, automatic, precision design, with replaceable hardened tip, adjustable impact force.

Appropriate spare parts:

454075 Replacement centre punch tip NERIOX

Order ID	Length mm	Shaft mm
454070.0100	125	12
454070.0200	140	16

NERIOX



454075 Replacement centre punch tip NERIOX

For NERIOX automatic centre punch.

Suitable for:

454070 Automatic centre punch NERIOX

Order ID	Length mm
454075.0100	35
454075.0200	55

NERIOX





452022 Cross pein hammer NERIOX

DIN 1041, painted head, finely ground face and pein, with cambered hickory handle.

Order ID	Weight g
452022.0100	100
452022.0200	200
452022.0300	300
452022.0400	400
452022.0500	500
452022.0800	1000



452122 Mallet NERIOX

DIN 6475, with cambered handle.

Order ID	Weight g
452122.0100	1000
452122.0200	1500
452122.0300	2000

449780 Pipe and tube cutter NERIOX

For cutting plastic and nitride rubber pipes and hoses, with and without fabric reinforcement, to length correctly and straight. Not suitable for hoses with metal sheathing.

Order ID	for hoses Ø mm
449780.0100	4...16

NERIOX



455500 Tin snip NERIOX

Right cutting, excellent quality with forged scissor head. Cutting edge hardness 56-62 HRC, micro-serrated. Ergonomic, hand-friendly 2-component handles, locking lever, for sheet steel up to 1.5 mm, INOX sheet up to 0.9 mm.

Order ID	Length mm
455500.0100	250

NERIOX



455510 Tin snip NERIOX

Left cutting, excellent quality with forged scissor head. Cutting edge hardness 56-62 HRC, micro-serrated. Ergonomic, hand-friendly 2-component handles, locking lever, for sheet steel up to 1.5 mm, INOX sheet up to 0.9 mm.

Order ID	Length mm
455510.0100	250

NERIOX



455520 Tin snip NERIOX

Straight cutting, excellent quality with forged scissor head. Cutting edge hardness 56-62 HRC, micro-serrated. Ergonomic, hand-friendly 2-component handles, locking lever, for sheet steel up to 1.5 mm, INOX sheet up to 0.9 mm.

Order ID	Length mm
455520.0100	250

NERIOX



457210 Universal knife NERIOX

Plastic housing with ribbed, ergonomic soft-touch handle for safe working, metal blade guide with **blade locking screw**, supplied with 1 blade.

Appropriate accessories:

457195 Replacement blades NERIOX

Order ID	Blade width mm	Length mm
457210.0100	18	155

NERIOX



457225 Universal knife NERIOX

Plastic housing with ribbed, ergonomic soft-touch handle for safe working, metal blade guide with sliding mechanism, **automatic blade change using integrated cartridge**, up to 3 blades can be stored in the handle, supplied with 3 spare blades.

Appropriate accessories:

457195 Replacement blades NERIOX

Order ID	Blade width mm	Length mm
457225.0100	9	140
457225.0200	18	165

NERIOX



457225.0100



457240 Universal knife NERIOX

Plastic housing with ergonomic soft-touch handle for safe working, metal blade guide with sliding mechanism.

Appropriate accessories:

457195 Replacement blades NERIOX

Order ID	Blade width mm	Length mm
457240.0100	9	145
457240.0200	18	175

NERIOX



457240.0100



457240.0200

NERIOX



457245 Safety knife NERIOX

Plastic housing with sliding mechanism, **automatic blade retraction** after releasing slider for maximum work safety, supplied with 1 blade.

Appropriate accessories:

457195 Replacement blades NERIOX

Order ID	Length mm
457245.0100	145

NERIOX



9 mm



18 mm



19 mm

457195 Replacement blades NERIOX

Blades made of SK5 steel, **pack of 10 blades**.

Usable with:

457055 STANLEY FatMax universal knife
457210 Universal knife NERIOX
457225 Universal knife NERIOX
457240 Universal knife NERIOX
457245 Safety knife NERIOX
457260 Universal knife TAJIMA

Order ID	Blade width mm
457195.0100	9
457195.0200	18
457195.0300	19

NERIOX



457250 Universal scraper NERIOX

Plastic housing and ergonomic two-component handle, supplied with 1 blade.

Appropriate spare parts:

457390 Scraper blades NERIOX

Order ID	Length mm	Blade width mm
457250.0100	100	38

NERIOX



457495 Scalpel NERIOX

Scoring and cutting knife, for fine work, stainless, with 1 blade type 10.

Appropriate accessories:

457505 Scalpel blades NERIOX

Order ID	Length mm
457495.0100	125

457505 Scalpel blades NERIOX

Packs of 10 blades.

Usable with:

457495 Scalpel NERIOX

Order ID	Type
457505.0100	10
457505.0200	11
457505.0300	12
457505.0400	15

NERIOX



457505.0100



457505.0200



457505.0300



457505.0400

455910 Universal cutters NERIOX

Stainless steel blades with fine serration and additional cutter for electric cables with a diameter of up to 2.5 mm, variable opening width for small and large hands, spring and safety lock, ergonomic 2-component handle. Effortlessly cuts paper, cardboard, fabric, sheet metal, plastic, leather etc.

Order ID	Overall length mm	Blade length mm
455910.0100	180	40

NERIOX



455962 Paper scissors NERIOX

Stainless steel, polished.

Order ID	Length mm
455962.0100	125
455962.0200	150
455962.0300	175

NERIOX



125



150 + 175

442555 Bolt cutters NERIOX

Head made of chrome vanadium steel, drop-forged. Painted steel tube arms with black handles. Replaceable blade heads, eccentric screw for adjusting the blades. **Cuts materials up to HRC 48.** GGG-C-740d Type II Class 3 & 4 Standard.

Appropriate spare parts:

442560 Replacement blade head NERIOX

Order ID	Length mm	Length in	For round steel HRC 19 mm	For round steel HRC 40 mm	For round steel HRC 48 mm
442555.0100	355	14	8	6	5
442555.0200	460	18	10	8	7
442555.0300	600	24	11	10	8
442555.0400	760	30	13	11	10
442555.0500	900	36	14	13	11

NERIOX



442560 Replacement blade head NERIOX

Suitable for bolt cutter NERIOX.

Suitable for:

442555 Bolt cutters NERIOX

Order ID	for length mm
442560.0100	355
442560.0200	460
442560.0300	600
442560.0400	760
442560.0500	900

NERIOX



NERIOX



457390 Scraper blades NERIOX

Compatible with various scraper models. In dispenser box of 10 pieces.

Usable with:
457366 Window scraper STANLEY

Suitable for:
457250 Universal scraper NERIOX
457370 Scrapers MARTOR SCRAPEX ARGENTAX

Order ID	Blade width mm	Blade thickness mm	Height mm
457390.0100	38	0.2	19

NERIOX



456062 Crown scissors NERIOX

Nickel-plated, straight blades.

Order ID	Length mm
456062.0100	115

NERIOX



456050 Electrician's shears NERIOX

Universal scissors for electricians with blades made of stainless steel. Precisely hardened blades with precision grinding and fine serration for a clean, slip-free cut. Blades with cable cutter up to max. 16 mm². Ergonomic handles with multi-component grips.

Order ID	Length mm
456050.0100	145

419720 One-hand quick-release clamp NERIOX

Heavy-duty, very powerful one-hand quick-release clamp. Distributes **up to 230 kg of continuous clamping force evenly**. Ideal for heavy duty applications such as installation or demolition jobs and bonding. One-hand quick-release trigger for easy one-handed operation. Induction-hardened rail for maximum strength and durability. Movable clamping jaws with TPU protective pads for uniform, gentle clamping force. Quick-change button for easy removal of the clamping jaws for easy conversion to a spreader.

Order ID	Clamping width mm	Capacity mm
419720.0100	150	90
419720.0200	300	90
419720.0300	450	90
419720.0400	600	90



419524 Bar clamp NERIOX

According to DIN 5117, made of malleable cast iron, **hollow profile rail ribbed on one side**, zinc-plated, spindle black finished, with beechwood handle and plastic protective caps.

Order ID	Clamping width mm	Capacity mm	Rail mm	Weight kg
419524.0100	120	50	15 x 5	0.56
419524.0200	160	80	25 x 6	0.76
419524.0300	200	100	27 x 7	1.38
419524.0400	250	120	30 x 8	1.62
419524.0500	300	100	27 x 7	1.36
419524.0600	300	140	32 x 10	2.3
419524.0700	400	120	30 x 8	2.85
419524.0800	400	175	32 x 10	2.87
419524.0900	500	120	35 x 11	3



419538 All-steel bar clamp NERIOX

Made of steel, hardened and tempered, sliding clamp die-forged, bright zinc-plated, spindle with black finished.

Order ID	Clamping width mm	Capacity mm	Rail mm	Weight kg
419538.0100	120	60	13.5 x 6.5	0.3
419538.0200	160	80	16 x 7.5	0.5
419538.0300	200	100	19.5 x 9.5	0.9
419538.0400	250	120	19.5 x 9.5	1.3
419538.0500	300	140	25 x 12	1.8
419538.0600	400	120	25 x 12	1.9



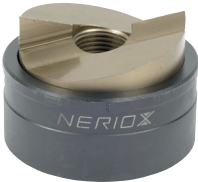


460730 Round hole punch NERIOX

Hole punch for steel materials, suitable for manual and hydraulic operation, while a special cutting geometry reduces effort. The division of the waste piece prevents it getting stuck on the tension screw and die. Tension screw not included in the scope of delivery.

Appropriate accessories:
460790 Tension screws NERIOX

Order ID	Ø mm	Size	For steel sheet thickness mm	Thread
460730.0800	15.2	PG9	2	9.5 mm
460730.0100	16.2	M16	2	9.5 mm
460730.0900	18.6	PG11	2	9.5 mm
460730.0200	20.4	M20	2	9.5 mm
460730.1100	22.5	PG16	2	9.5 mm
460730.0300	25.4	M25	2	9.5 mm
460730.1200	28.3	PG21	2	9.5 mm
460730.1700	30.5	-	2	9.5 mm
460730.0400	32.5	M32	3	19 mm
460730.1300	37.0	PG29	3	19 mm
460730.0500	40.5	M40	3	19 mm
460730.1800	43.2	-	3	19 mm
460730.1400	47.0	PG36	3	19 mm
460730.0600	50.5	M50	3	19 mm
460730.1500	54.0	PG42	3	19 mm
460730.1600	60.0	PG48	3	19 mm
460730.1900	61.5	-	3	19 mm
460730.0700	63.5	M63	3	19 mm



460740 Round hole punch NERIOX

Hole punch for stainless steel material. Suitable for manual and hydraulic operation, high durability, division of waste piece prevents it from getting stuck on the tension screw and in the die. Tension screw not included in the scope of delivery.

Appropriate accessories:
460790 Tension screws NERIOX

Order ID	Ø mm	Size	For VA sheet thickness mm	Thread
460740.0800	15.2	PG9	2	11.1 mm
460740.0100	16.2	M16	2	11.1 mm
460740.0900	18.6	PG11	2	11.1 mm
460740.0200	20.4	M20	2	11.1 mm
460740.1100	22.5	PG16	2	11.1 mm
460740.0300	25.5	M25	2	11.1 mm
460740.1200	28.3	PG21	3	19 mm
460740.1700	30.5	-	2	11.1 mm
460740.0400	32.5	M32	3	19 mm
460740.1300	37.0	PG29	3	19 mm
460740.0500	40.5	M40	3	19 mm
460740.1800	43.2	-	3	19 mm
460740.1400	47.0	PG36	3	19 mm
460740.0600	50.5	M50	3	19 mm
460740.1500	54.0	PG54	3	19 mm
460740.1600	60.0	PG48	3	19 mm
460740.1900	61.5	-	3	19 mm
460740.0700	63.5	M63	3	19 mm



460750 Square and rectangular hole punch NERIOX

Square hole punch for steel materials. Long service life due to inert gas hardening, CAD-optimized cutting geometry reduces the cutting pressure required. Manual hydraulic device relieves pressure on the seals. **Complete in sturdy plastic case.**

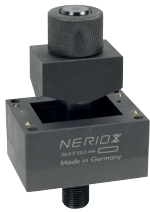
Order ID	Size mm	For steel sheet thickness mm	Application
460750.0100	24 x 24	2.0	Manual and automatic operation
460750.0200	25.4 x 25.4	2.0	Manual and automatic operation
460750.0300	45 x 45	3.0	Automatic operation
460750.0400	46 x 46	3.0	Automatic operation
460750.0500	68 x 68	3.0	Automatic operation
460750.0600	92 x 92	3.0	Automatic operation
460750.0700	29 x 71	2.0	Automatic operation

460760 Rectangular hole punch for heavy duty plug connectors NERIOX

Rectangular holes with **marking heads integrated** into the **die**, to mark the mounting holes. Only for hydraulic operation.

Order ID	Size mm	For steel sheet thickness mm	Application
460760.0100	36 x 52	3.0	Automatic operation
460760.0200	36 x 65	3.0	Automatic operation
460760.0300	36 x 86	3.0	Automatic operation
460760.0400	36 x 112	3.0	Automatic operation

NERIOX



460770 Hole punch set NERIOX

Triple splitter hole punch for **steel material**. Supplied in a plastic box

Order ID	Parts	Scope of delivery
460770.0100	16	1 hole punch each of PG9/PG11/PG13/PG16/PG21/PG29/PG36/PG42/PG48/30.5mm, 2 ball bearing screws 9.5 x 50.0 mm, 1 ball bearing screw 19.0 x 55 mm, 1 ball bearing screw 19.0 x 75 mm, 1 tube of anti-wear paste, 1 HSS-Co screw starter (multistep drill)
460770.0200	14	1 hole punch each of M16/M20/M25/M32/M40/M50/M63/PG16, 2 ball bearing screws 9.5 x 50.0 mm, 1 ball bearing screw 19.0 x 55 mm, 1 ball bearing screw 19.0 x 75 mm, 1 tube of anti-wear paste, 1 HSS-Co screw starter (multistep drill)
460770.0300	12	1 hole punch each of M16/M20/M25/M32/M40/PG16, 2 ball bearing screws 9.5 x 50.0 mm, 1 ball bearing screw 19.0 x 55 mm, 1 ball bearing screw 19.0 x 75 mm, 1 tube of anti-wear paste, 1 HSS-Co screw starter (multistep drill)

NERIOX



460780 Hole punch set NERIOX

Double splitter hole punch for **stainless steel material**. Supplied in a plastic box.

Order ID	Parts	Scope of delivery
460780.0100	14	1 hole punch each of M16/M20/M25/M32/M40/PG16, 1 HSS-Co special drill M12, 1 tube of anti-wear paste, 1 HSS-Co screw starter (multistep drill)

NERIOX



460790 Tension screws NERIOX

For manually operating the NERIOX hole punches. The ball bearing screw reduces the effort considerably.

Usable with:

460730 Round hole punch NERIOX

460740 Round hole punch NERIOX

Order ID	Size mm	for mm	Application
460790.0100	9.5 x 50.0	12.7 - 31.7	Round punch
460790.0200	11.1 x 50.0		Round punch
460790.0300	19.0 x 55.0	28.3 - 44.0	Round punch
460790.0400	19.0 x 75	47.0 - 82.0	Round punch

NERIOX



460795 Manual hydraulic unit NERIOX

Small manual punch without hose. With 360° rotating and pivoting cylinder. Suitable for round hole punches up to 82 mm (3 mm steel material/2 mm stainless steel material), square hole punches up to 68 x 68 mm (3 mm steel material/2 mm stainless steel material), rectangular hole punches up to 36 x 112 mm (3 mm steel material/2 mm stainless steel material).

Appropriate accessories:

460791 Hydraulic screw NERIOX

460793 Adapter NERIOX

For the use of NERIOX VA sheet metal holes, the hydraulic screw and adapter listed in the accessories are absolutely required!

Order ID	Parts	Scope of delivery
460795.0100	6	1 WAB POWER PUNCH Manual hydraulic unit, 1 hydraulic screw 9.5 x 19.0 mm UNF, 1 hydraulic screw 19.0 x 130.0 mm UNF, 1 spacer bushing, 1 tube of anti-wear paste, 1 HSS-Co screw starter (multistep drill), 1 plastic box

NERIOX



NERIOX



460800 Cordless hydraulic punch NERIOX

Cordless hydraulic punch with rotating hydraulic cylinder and lithium-ion battery. The work process is monitored electronically and when completed, the cordless hydraulic punch is switched off automatically. Punching capacity (max. plate thickness): diameters up to 63.5 mm (3 mm steel material/2.5 mm stainless steel material), up to 68 x 68 mm (3 mm steel material/1.5 mm stainless steel material), up to 92 x 92 mm (2.5 mm steel material/1.5 mm stainless steel material) greater than 92 x 92 mm up to 138 x 138 mm (2 mm steel material)

Order ID	460800.0100	460800.0200
Hydraulic force	kN 60	60
Battery voltage	V 18	18
Battery capacity	Ah 3	3
Charge Time	min 22	22
Weight	kg 2	2
Scope of delivery	1 hole punch M16 / M20 / M25 / M32 / PG16, 1 plastic case, without hole punch 1 plastic case	
Symbols of danger	GH55	
H phrases	H315, H318	
P phrases	P280, P264, P362+P364, P305+P351+P338, P310	

NERIOX



460791 Hydraulic screw NERIOX

For the use of NERIOX sheet metal punch in the NERIOX hydraulic unit.

Order ID	Size mm	Application
460791.0100	11.1 x 72	for the use of VA sheet metal punches in the hand-held hydraulic unit NERIOX
460791.0200	9.5 x 70	for the use of Steel sheet metal punches in the hand-held hydraulic unit NERIOX

NERIOX



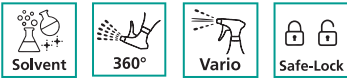
460793 Adapter NERIOX

Adapters and accessories for NERIOX sheet metal punchers and hydraulic equipment.

Order ID	Application
460793.0100	for the use of VA sheet metal punches in the hand-held hydraulic unit NERIOX
460793.0200	for the use of steel sheet metal punches in the hand-held hydraulic unit NERIOX

500600 Industrial atomizer NERIOX Solvent

NERIOX



Industrial plastic sprayer **with 360° spray system - PA version for solvent-based liquids**. Specially developed for professional applications with maximum functionality and durability. Thanks to the innovative 360° suction and spraying system, **spraying is possible in any position - even overhead**. The PA version is ideal for use with many solvent-based liquids. A reliable leak-proof seal ensures optimum hold on the bottle neck and prevents leakage. An integrated FKM hose with filter screen protects the liquid channel from contamination and prevents the nozzle from clogging. The intelligent NoSeal design ensures long-term resistance to a wide range of chemicals. **Ideal for industrial use, maintenance, workshops and all applications with chemical fluids.**

More highlights:

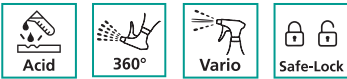
- Shut-off function protects against unintentional actuation
- Infinitely adjustable brass nozzle: from a fine mist to a powerful jet
- Innovative ventilation system prevents the bottle from drawing a vacuum
- Printed liter scale for easy fill level control

Order ID	Contents ml
500600.0100	500



500650 Industrial atomizer NERIOX Acid

NERIOX



Industrial plastic sprayer **with 360° spray system - PP version for acids and alkalis**. Specially developed for professional applications with maximum functionality and durability. Thanks to the innovative 360° suction and spraying system, **spraying is possible in any position - even overhead**. The PP version is ideal for use with water, acids, alkalis and alcohol. A reliable leak-proof seal ensures optimum hold on the bottle neck and prevents leakage. An integrated FKM tube with filter screen protects the liquid channel from contamination and prevents the nozzle from clogging. The intelligent NoSeal design ensures long-term resistance to a wide range of chemicals. **Ideal for industrial use, maintenance, workshops and all applications with chemical fluids.**

More highlights:

- Shut-off function protects against unintentional actuation
- Infinitely adjustable plastic nozzle: from a fine mist to a powerful jet
- Innovative ventilation system prevents the bottle from drawing a vacuum
- Printed liter scale for easy fill level control

Order ID	Contents ml
500650.0100	500



500700 Compression sprayer NERIOX Solvent

NERIOX



Industrial pressure pump sprayer **with 1.2 liter capacity and 360° spray system - PA bottle with FKM seals and V2A spring for the most solvent-based liquids**. Specially developed for professional applications with maximum functionality and durability. Thanks to the innovative 360° suction and spraying system, **spraying is possible in any position - even overhead**. The design is ideal for use with many solvent-based liquids (hydrocarbons, mineral oil and petroleum products and their derivatives). An integrated FKM hose with filter screen and ball weight protects the fluid channel from contamination and prevents the nozzle from clogging. **Ideal for industrial use, maintenance, workshops and all applications with chemical fluids.**

More highlights:

- Soft-touch foot ring: Gentle on surfaces and maximum stability
- Continuous spray button: Convenient spraying of larger areas
- Ergo-Grip: Reinforced, ergonomic handle
- Infinitely adjustable brass nozzle: from a fine mist to a powerful jet
- Scale in liters as well as British pints and American gallons for easy fill level control
- Safety pressure relief valve (<3 bar)

Order ID	Contents l	Working pressure max. bar	Operating temperature °C	Flow rate l/min	Spraying distance m
500700.0100	1.2	3	-5...+30	0.3	4



NERIOX



500710 Compression sprayer NERIOX Alkali



Industrial pressure pump sprayer **with 1.2 liter capacity and 360° spray system - PP bottle with EPDM seals and V2A spring for the most bases and alkaline liquids.** Specially developed for professional applications with maximum functionality and durability. Thanks to the innovative 360° suction and spraying system, **spraying is possible in any position - even overhead.** The design is ideal for use with most alkalis, bases, ketones and special acids from a pH value of 7. An integrated EPDM hose with filter screen and ball weight protects the liquid channel from contamination and prevents the nozzle from clogging. **Ideal for industrial use, maintenance, workshops and all applications with chemical liquids.**

More highlights:

- Soft-touch foot ring: Gentle on surfaces and maximum stability
- Continuous spray button: Convenient spraying of larger areas
- Ergo-Grip: Reinforced, ergonomic handle
- Infinitely adjustable brass nozzle: from a fine mist to a powerful jet
- Scale in liters as well as British pints and American gallons for easy level control
- Safety pressure relief valve (<3 bar)

Order ID	Contents l	Working pressure max. bar	Operating temperature °C	Flow rate l/min	Spraying distance m
500710.0100	1.2	3	-5...+30	0.3	4

NERIOX



500720 Compression sprayer NERIOX Acid



Industrial pressure pump sprayer **with 1.2 liter capacity - PP bottle with Expert FKM seals and V4A spring for concentrated acids and liquid mixtures containing alcohol.** Specially developed for professional applications with maximum functionality and durability. The design is ideal for use with highly acidic media and alcohols (isopropanol, ethanol) up to a pH value of 7. An integrated FKM hose with filter screen and ball weight protects the liquid channel from contamination and prevents the nozzle from clogging. **Ideal for industrial use, maintenance, workshops and all applications with chemical liquids.**

More highlights:

- Soft-touch foot ring: Gentle on surfaces and maximum stability
- Safety button: No unintentional spraying with aggressive liquids
- Ergo-Grip: Reinforced, ergonomic handle
- Infinitely adjustable plastic nozzle: from a fine mist to a powerful jet
- ValveGuard angle piece and additional air hose prevent the liquid from being permanently trapped in the container
- Scale in liters as well as British pints and American gallons for easy level control
- Safety pressure relief valve (<3 bar)

Order ID	Contents l	Working pressure max. bar	Operating temperature °C	Flow rate l/min	Spraying distance m
500720.0100	1.2	3	-5...+30	0.3	4

NERIOX



500730 Compression sprayer NERIOX Foam



Industrial pressure pump sprayer with 1 liter capacity **for generating foam- PP bottle with EPDM seals and V2A spring for the most bases and alkaline liquids.** Depending on the content, the foam atomizer generates **area-covering, especially dry and long-lasting foam.** The foam is generated by a felt sleeve that is integrated into the innovative bayonet quick-release fastener. The degree of foam density can be adjusted as required, from a relatively liquid foam carpet to a standing, solid foam that adheres to surfaces for a long time. The design is ideal for use with most alkalis, bases, ketones and special acids from a pH value of 7. **Ideal for industrial use, maintenance, workshops and all applications with chemical liquids.**

More highlights:

- Soft-touch foot ring: Gentle on surfaces and maximum stability
- Continuous spray button: Convenient spraying of larger areas
- Ergo-Grip: Reinforced, ergonomic handle
- 3 different felt inserts transform the contents of the pressure sprayer into effective cleaning foam - different degrees of foaming as required.
- Scale in liters as well as British pints and American gallons for easy fill level control

Order ID	Contents l	Working pressure max. bar	Operating temperature °C
500730.0100	1.0	3	-5...+30

461235 Universal hand deburrer set NERIOX

Universal hand deburrer set in a **robust, environmentally friendly canvas pouch**. Equipped with deburrers, scrapers, countersink and sheet metal deburrer **for all tasks in industry and trade**. Cost-effective deburrers with powder-coated handle and **practical protective cap**, which protects against injury and also serves as an ergonomic handle. Permanently mounted blades.

Scope of delivery:

- 1 x universal deburrer NERIOX with C-10 universal blade
- 1 x universal deburrer NERIOX with C-101 blade for small holes from 1.5 mm
- 1 x triangular scraper NERIOX with 3-mm blade
- 1 x triangular scraper NERIOX with 6-mm blade
- 1 x sheet metal deburrer with V-1 blade
- 1 x hand countersink 6.3 mm for hole size 1–6 mm

Order ID	Parts	Scope of delivery
461235.0100	6	1 x universal deburrer NERIOX with C-10 universal blade 1 x universal deburrer NERIOX with C-101 blade for small holes from 1.5 mm 1 x triangular scraper NERIOX with 3-mm blade 1 x triangular scraper NERIOX with 6-mm blade 1 x sheet metal deburrer with V-1 blade 1 x hand countersink 6.3 mm for hole size 1–6 mm



461120 Sheet metal deburrer NERIOX

Edge breaker, deburrs metals and plastics. Cost-effective deburrer with powder-coated handle and **practical protective cap**, which protects against injury and also serves as an ergonomic handle. Permanently mounted blade.

Order ID	Length mm	Length closed mm
461120.0100	135	110



461085 Hand countersink NERIOX

Countersinking and chamfering of holes Ø 1–6 mm in metal or plastic. Cost-effective deburrer with powder-coated handle and **practical protective cap**, which protects against injury and also serves as an ergonomic handle. Permanently mounted countersink.

Order ID	Length mm	Length closed mm
461085.0100	135	110



461900 Universal deburrer NERIOX

Rotating blades C Ø 3.2 mm, for internal and external deburring of metals and plastics.

Order ID	Length mm	Designation
461900.0100	135	Hexagonal handle and permanently mounted blade, economical deburrer with powder-coated handle and practical protective cap which not only protects against injuries but also serves as an ergonomic handle; with permanently mounted HSS blade C-10
461900.0200	130	Hexagonal handle and permanently mounted blade, economical deburrer with powder-coated handle and practical protective cap which not only protects against injuries but also serves as an ergonomic handle; with permanently mounted HSS blade C-101



Worlds best selling Deburring Tool
NEW
invented

Ballend Cap
High Safety

Compact, Simple, Genius!

Precise handling for the Tools

the Hex Generation
Sharp but Safe

461905 Triangular scraper NERIOX

For metals and plastics.

Order ID	Length mm	Designation
461905.0100	140	Hexagon handle (9.5 mm) and permanently mounted blade, economical deburrer with powder-coated handle and practical protective cap which not only protects against injuries but also serves as an ergonomic handle; with permanently mounted triangular scraper blade 6 mm





461910 Triangular scraper NERIOX

For metals and plastics.

Order ID	Length mm	Designation
461910.0100	105	Hexagon handle (8 mm) and permanently mounted blade, economical deburrer with powder-coated handle and practical protective cap which not only protects against injuries but also serves as an ergonomic handle; with permanently mounted triangular scraper blade 3 mm



461915 Universal deburrer NERIOX

Rotating blades C Ø 3.2 mm, for internal and external deburring of metals and plastics.

Order ID	Length mm	Designation
461915.0100	100	Economical deburrer with comfortable soft grip, permanently mounted blade, with C-101 blade for very fine deburring tasks



461920 Triangular scraper NERIOX

For metals and plastics.

Order ID	Length mm	Designation
461920.0100	105	Economical triangular scraper with comfortable soft grip, permanently mounted blade, with SCR-3 (3 x 50 mm) blade for very fine work

451105 Digital multimeter NERIOX

The NERIOX multimeter impresses with its maximum safety and user-friendliness. **Thanks to automatic measurement range protection, operating errors are impossible** – you always get accurate and reliable measurements. The easy-to-read backlit LCD display ensures clear results, even in poor lighting conditions. Ideal for DIY enthusiasts, technicians, and professionals who value precision and safety. With diode and continuity test. CAT III 600 V. IEC/EN 61010-1, IEC/EN 61010-2-033.

- **Automatic measurement range protection** – protects against incorrect measurements
- **Large, illuminated display** – perfect readability in any environment
- **Robust and reliable** – suitable for daily use

Scope of delivery:

451105.0100 Holster, temperature sensor, safety test cable, operating instructions

Appropriate batteries:

1 pieces 155050.0700 - 6LR61 / 9 V (included in scope of delivery).

Order ID	451105.0100	
Version	CAT III 600 V	
Display	max. 1999	
DC voltage	V	0.2...600
AC voltage	V	0.2...600
DC current	A	0.002...10
AC current	A	0.002...10
Frequency	Hz	0...20000
Resistance	200 Ω...20 MΩ	
Temperature	°C	-20...+1000
Capacity	µF	2...20
Operating temperature	°C	0...40
Battery type	9V block battery (6LR61)	
Dimensions	mm	200 x 89 x 38
Weight	g	280

NERIOX



450780 Non-contact voltage tester NERIOX

The perfect choice when it comes to **quickly and safely detecting live conductors**. Whether on cable connections, cable reels, sockets, switches, or junction boxes, the NERIOX voltage tester delivers reliable results in seconds. Thanks to its capacitive measuring method, this tester does not require any power supply and detects voltages completely contact-free. Interruptions are displayed precisely and accurately to the centimeter – ideal for electrical professionals and demanding DIY enthusiasts. CAT III 1000 V, IEC/EN 61010-1 (DIN VDE 0411).

- **Non-contact voltage testing** – maximum safety when working
- **Capacitive measuring method** – no power supply required
- **Fast, accurate display** – visual and audible. Locate interruptions with centimeter precision
- **Versatile** – for cables, sockets, switches, and more

Appropriate batteries:

2 pieces 155050.0400 - LR03 / 1.5 V (Micro / AAA) (included in scope of delivery).

Order ID	450780.0100	
Version	CAT III 1000 V	
AC voltage	V	110...1000
Protection class	IP 40	
Material	ABS	
Battery type	2 x 1.5 V AAA-Micro	
Dimensions	mm	142 x 26
Weight	g	22

NERIOX



450785 Two-pole voltage tester NERIOX

Robust design and user-friendly operation. Thanks to its practical design, it fits comfortably in the hand and is easy and safe to operate – ideal for everyday use. The device reliably displays DC and AC voltages from 12 to 690 V and also offers a continuity test and single-pole phase search. This means you can carry out all important tests with just one tool. CAT II 690 V / CAT III 600 V / CAT IV 300 V.

- **Robust & durable** – for professional continuous use
- **Practical design** – fits securely and comfortably in the hand
- **Reliable voltage display** – from 12 V to 690 V AC/DC
- **Versatile** – with continuity test and single-pole phase detection

Appropriate batteries:

2 pieces 155050.0400 - LR03 / 1.5 V (Micro / AAA) (included in scope of delivery).

Order ID	450785.0100	
Version	CAT II 690 V / CAT III 600 V / CAT IV 300 V	
Display	10 LED	
Voltage range AC/DC	V	12...690
Frequency range	Hz	40/70
Continuity check	kΩ	< 500
Operating temperature	°C	-15...+55
Protection class	IP 54	
Material	ABS	
Battery type	2 x 1.5 V AAA-Micro	
Dimensions	mm	210 x 57 x 25
Weight	g	120

NERIOX



NERIOX



563200 Cable reel NERIOX



Robust cable reel for professionals – powerful and safe. With 25 m of **high-quality PVC cable (1.5 mm²)**, 230 V / 10 A, T12 plug and 4 T13 sockets, this cable reel is the ideal solution for demanding applications in workshops, trade and industry. Equipped with child safety lock, overheating protection and ergonomic handle. The robust plastic reel on a **powder-coated steel frame ensures durability and stability** – ideal for indoor use.

Order ID	563200.0100		
Cable length	m	25	
Sockets		4 x T13	
for milling cutter		T12	
Cable cross-section	mm²	1.5	
Voltage	V	230	
Protection class		IP20	
Material		Plastic / metal frame	
K2 Construction Site Suitable		No	

NERIOX



563500 Power strip NERIOX



Safe power strip for professional and everyday use. 5 x T13 sockets, 2 m cable with T12 plug and **integrated overload protection** (230 V/10 A) make this strip the ideal companion for the home, workshop, and industry. Featuring child safety lock, reset switch (also usable as power switch) and **practical mounting options** using cable ties or screws – robust, well-designed and reliable.

Order ID	Sockets	for milling cutter	Cable length	Cable cross-section	Protection class	Material
			m	mm²		
563500.0100	5 x T13	T12	2	1.0	IP20	plastic

NERIOX



564100 Extension cable NERIOX



Extension cable with T12 plug, **with extra-flat T12 plug** to enable even sockets behind furniture etc. to be used. The handy finger tab allows the plug to easily be pulled out of the socket. With child protection.

For indoor applications only.

Order ID	Cable length	
	m	
564100.0100	2	
564100.0200	3	

NERIOX



564460 Connector NERIOX



No Block, the travel adapter with clever plug arrangement — without blocking any other sockets. The travel plug can also be used to provide power access to two-pole T11 power supply units, including with a Swiss three-way wall socket, while having other devices connected at the same time.

For indoor applications only.

Order ID	Connection	for milling cutter
564460.0100	SchuKo 2-/3-pole	T 12

418400 Flexible inspection mirror NERIOX, non-magnifying

High-quality telescopic flexible inspection mirror that is specially designed for professional use in industry, workshops and manufacturing. The tool manufactured from **robust stainless steel** impresses with its durability and resistance even under demanding conditions. Ideal for maintenance, quality control, automotive engineering, mechanical engineering and all areas where visual inspections must be carried out under restricted conditions.

- **Round mirror without magnification** – provides a realistic, clear view of hard-to-reach areas
- **Telescope function** – the extendable rod enables precise positioning in zones that are narrow, hidden or hard to see
- **360° rotatable double joint** – allows the mirror to be flexibly adjusted in any direction
- **Perfect reflection** – for detailed inspection without image distortion
- **Integrated pocket clip** – for easy transport and quick access
- **Industrial quality** – robust stainless steel housing for everyday, professional use

Order ID	Mirror Ø mm	Length mm
418400.0100	24	175...525
418400.0200	30	180...530
418400.0300	40	190...540
418400.0400	50	200...550



418405 Flexible inspection mirror NERIOX, magnifying

High-quality telescopic flexible inspection mirror that is specially designed for professional use in industry, workshops and manufacturing. The tool manufactured from **robust stainless steel** impresses with its durability and resistance even under demanding conditions. Ideal for maintenance, quality control, automotive engineering, mechanical engineering and all areas where visual inspections must be carried out under restricted conditions.

- **Round mirror with 3x magnification** – provides a precise and detailed view of hard-to-reach areas
- **Telescope function** – the extendable rod enables precise positioning in zones that are narrow, hidden or hard to see
- **360° rotatable double joint** – allows the mirror to be flexibly adjusted in any direction
- **Perfect reflection** – for a clear, magnified image without distortion
- **Integrated pocket clip** – for easy transport and quick access
- **Industrial quality** – robust stainless steel housing for everyday, professional use

Order ID	Mirror Ø mm	Magnification	Length mm
418405.0100	24	3 x	175...525
418405.0200	30	3 x	180...530



418410 Flexible inspection mirror NERIOX, magnifying, with magnet

High-quality telescopic flexible inspection mirror **with integrated magnet** that is specially designed for professional use in industry, workshops and manufacturing. The tool manufactured from **robust stainless steel** impresses with its durability and resistance even under demanding conditions. Ideal for maintenance, quality control, automotive engineering, mechanical engineering and all areas where visual inspections must be carried out and small metal parts must be picked up under restricted conditions.

- **Round mirror with 3x magnification** – provides a precise and detailed view of hard-to-reach areas
- **Telescope function** – the extendable rod enables precise positioning in zones that are narrow, hidden or hard to see
- **360° rotatable double joint** – allows the mirror to be flexibly adjusted in any direction
- **Perfect reflection** – for a clear, magnified image without distortion
- **Integrated lifting magnet (500 g)** – ideal for picking up small screws, nuts or metal parts
- **Integrated pocket clip** – for easy transport and quick access
- **Industrial quality** – robust stainless steel housing for everyday, professional use

Order ID	Mirror Ø mm	Magnification	Adhesive strength kg	Length mm
418410.0100	55	3 x	0.5	210...560



418420 Inspection set NERIOX

Sets for retrieval and inspection work in inaccessible or obscured places – ideal for use in workshops, production, service and maintenance. The set combines a high-quality **flexible inspection mirror featuring a 360° joint with a telescopic magnetic pick-up tool featuring a scribing needle**.

Order ID	Parts	Contents
418420.0100	2	1x Ø 30 mm telescopic flexible inspection mirror, non-magnifying 1x telescopic magnetic pick-up tool (500 g) with scribing needle
418420.0200	2	1x Ø 50 mm telescopic flexible inspection mirror, non-magnifying 1x telescopic magnetic pick-up tool (500 g) with scribing needle





418490 Inspection set NERIOX

Versatile professional set for monitoring, retrieval and inspection work in inaccessible or obscured areas – ideal for use in workshops, production, service and maintenance. The set includes high-quality **flexible inspection mirrors with 360° joints**, two **telescopic magnetic pick-up tools** with different holding forces and a **flexible claw gripper** for small parts. All tools are designed for **maximum functionality, durability and precise handling** in everyday use in industry. **In a robust case with a foam insert** – ideal for organised storage on the go and for service teams.

Contents:

- **1x Ø 55 mm telescopic flexible inspection mirror** – with 360° joint and **3x magnification** for precise visual inspection in hard-to-see areas
- **1x Ø 24 mm telescopic flexible inspection mirror** – with 360° joint, non-magnifying, ideal for cramped assembly spaces
- **1x Ø 40 mm telescopic flexible inspection mirror** – with 360° joint, non-magnifying
- **1x flexible claw gripper** – with **hardened three-claw mechanism** for retrieving small parts
- **1x telescopic magnetic pick-up tool (650 g holding force)** – with **soft handle** and **magnetic protective sleeve** for precise magnetic guidance
- **1x telescopic magnetic pick-up tool (3.5 kg holding force)** – with **soft handle** and **magnetic protective sleeve** for reliable retrieval of metal parts, including heavier ones

Appropriate spare parts:

- 418400 Flexible inspection mirror NERIOX, non-magnifying
- 418410 Flexible inspection mirror NERIOX, magnifying, with magnet
- 418450 Telescopic magnetic pick-up tool NERIOX
- 418470 Flexible claw gripper NERIOX

Order ID	Parts
418490.0100	6

488095 Cut-off wheel NERIOX



Straight version (form 41), abrasive corundum A, **well suited for structural steel, hardened, high-alloy and high-tensile steel and stainless steel**. For cutting sheet metal, profiles and solid material. Efficient cut-off wheel with a good service life and cutting performance. **Ideal for low-drive free-hand angle grinders**. Less burr formation and fewer flying sparks. Iron and sulphur-free.

Sales unit = pack of 25

Order ID	Ø x width mm	Hole mm
488095.0100	125 x 1.0	22.23

NERIOX



489130 Abrasive flap wheel NERIOX



Conical design, abrasives made of sharp-edged, self-sharpening zircon corundum, **well suited for steel and stainless steel**. Proven tool for universal grinding tasks such as surface grinding and welding seam processing with a high service life and good cutting performance. Iron and sulphur-free.

Sales unit = pack of 10

Order ID	Ø mm	Grain	Hole mm
489130.0100	125	40	22.23
489130.0200	125	60	22.23
489130.0300	125	80	22.23

NERIOX



483630 Fan grinder NERIOX

Shank Ø 3 mm, universal fan grinders with aluminium oxide abrasive grain for aggressive cutting and a long service life. Ideal for grinding contours and uneven surfaces. Good cutting rate at low pressure, high surface quality on steel and stainless steel. Flexible cotton support for excellent adjustment to the workpiece. Recommended working speed 15–20 m/s.

Storage pack of 10 pieces/sales unit of 1 piece

Order ID	Ø mm	Width mm	Grain	Order ID	Ø mm	Width mm	Grain
483630.0100	15	15	60	483630.0700	30	10	60
483630.0200	15	15	80	483630.0800	30	10	80
483630.0300	15	15	120	483630.0900	30	10	120
483630.0400	15	15	150	483630.1000	30	10	150
483630.0500	15	15	240	483630.1100	30	10	240
483630.0600	15	15	320	483630.1200	30	10	320

NERIOX



483630.0100



483630.0700

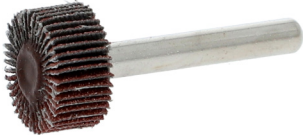
483640 Fan grinder NERIOX

Shank Ø 6 mm, universal fan grinders with aluminium oxide abrasive grain for aggressive cutting and a long service life. Ideal for grinding contours and uneven surfaces. Good cutting rate at low pressure, high surface quality on steel and stainless steel. Flexible cotton support for excellent adjustment to the workpiece. Recommended working speed 15–20 m/s.

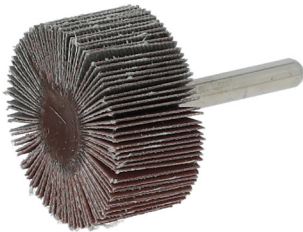
Storage pack of 10 pieces/sales unit of 1 piece

Order ID	Ø mm	Width mm	Grain	Order ID	Ø mm	Width mm	Grain
483640.0100	20	10	60	483640.1200	40	20	80
483640.0200	20	10	80	483640.1300	40	20	120
483640.0300	20	10	120	483640.1400	40	20	180
483640.0400	20	10	180	483640.1500	40	20	240
483640.0500	30	10	60	483640.1600	40	20	320
483640.0600	30	10	80	483640.1700	60	30	60
483640.0700	30	10	120	483640.1800	60	30	80
483640.0800	30	10	180	483640.1900	60	30	120
483640.0900	30	10	240	483640.2000	80	30	60
483640.1000	30	10	320	483640.2100	80	30	80
483640.1100	40	20	60	483640.2200	80	30	120

NERIOX

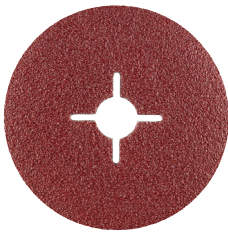


483640.0100



483640.1100

NERIOX



489750 Fibre disc NERIOX

High-performance aluminum oxide abrasive on vulcanized fibre backing material with synthetic resin bond. Specifically developed **for the universal processing of steel** (black steel also known as structural steel, St37, S235JR, 1.0037 or carbon steel). High stock removal rate, good tool life and low flying sparks. Iron/ sulphur-free. This fiber disc may only be used with a suitable backing pad.

Appropriate accessories:
489550 Supporting disc for fibre discs NERIOX
Sales unit = pack of 25 pieces

Order ID	Ø mm	Grain
489750.0100	125	36
489750.0200	125	60
489750.0300	125	80
489750.0400	125	120

NERIOX



489550 Supporting disc for fibre discs NERIOX

Supporting disc for fiber discs, medium-hard version for aggressive work. Optimum heat dissipation thanks to special cooling fins.

Order ID	Ø mm	Max. Speed min ⁻¹	Adaptor thread
489550.0100	115	13300	M14
489550.0200	125	12250	M14

NERIOX



484130 Non-woven brush NERIOX

Shank Ø 6 mm, hard wearing, heavy duty non-woven brush for use on drilling machines, die grinders, flexible shafts etc. Aluminium oxide abrasive grain for grinding and finishing with a very long service life. For removing oxidation, paint, corrosion and for a uniform grinding pattern. Ideal for large, difficult parts. Can be used on metal, wood, composites and plastics. Vibration-free for a constant finish without smearing or discolouration of the workpieces.

Storage pack of 10 pieces/sales unit of 1 piece

Order ID	Ø mm	Width mm	Grain
484130.0100	80	50	coarse
484130.0200	80	50	medium
484130.0300	80	50	fine
484130.0400	80	50	very fine

NERIOX



484160 Combination non-woven brush NERIOX

Shank Ø 6 mm, combined non-woven brush with slats made of abrasive cloth delivers greater aggressiveness with the finish quality of abrasive fleece. Ideal for deburring, grain processing and for a brushed finish on stainless steel. Gentle damping effect for use on contoured and shaped surfaces. Uniform, even finish with no grooves. Low vibration for a consistent finish without smearing or discolouration of components.

Storage pack of 10 pieces/sales unit of 1 piece

Order ID	Ø mm	Width mm	Grain
484160.0100	80	50	60
484160.0200	80	50	100
484160.0300	80	50	150

NERIOX



490160 Pot brush NERIOX

Steel wire

Twisted wire, aggressively working brush for heavy-duty brushing operations such as deburring, cleaning, rust removal and descaling, as well as for removing welding spatter. **Robust steel wire** with high tensile and flexural strength. Very well suited for steel and cast iron. Can also be used for processing plastic. Temperature-resistant up to 300°C.

Order ID	Ø mm	Wire thickness mm	Trim length mm
490160.0100	65	0.35	22
490160.0200	65	0.50	22

490162 Pot brush NERIOX

INOX wire

Twisted wire, aggressively working brush for heavy-duty brushing operations such as deburring, cleaning, rust removal and descaling, as well as for removing welding spatter. **V2A wire**: Rust-resistant; leaves no corrosive residues on the workpiece. Very well suited for INOX and aluminium. Well suited for steel and non-ferrous metals. Temperature resistance: up to 450°C.

Order ID	Ø mm	Wire thickness mm	Trim length mm
490162.0100	65	0.35	22
490162.0200	65	0.50	22

NERIOX



490165 Conical brush NERIOX

Steel wire

Twisted wire, aggressively working brush for heavy-duty brushing operations such as deburring, cleaning, rust removal and descaling, as well as for removing welding spatter. Optimal access to hard-to-reach areas such as inner edges, grooves and notches. **Robust steel wire** with high tensile and flexural strength. Very well suited for steel and cast iron. Can also be used for processing plastic. Temperature-resistant up to 300°C.

Order ID	Ø mm	Wire thickness mm	Trim length mm
490165.0100	100	0.50	22
490165.0200	115	0.50	26

NERIOX



490167 Conical brush NERIOX

INOX wire

Twisted wire, aggressively working brush for heavy-duty brushing operations such as deburring, cleaning, rust removal and descaling, as well as for removing welding spatter. Optimal access to hard-to-reach areas such as inner edges, grooves and notches. **V2A wire**: Rust-resistant; leaves no corrosive residues on the workpiece. Very well suited for INOX and aluminium. Well suited for steel and non-ferrous metals. Temperature resistance: up to 450°C.

Order ID	Ø mm	Wire thickness mm	Trim length mm
490167.0100	100	0.50	22
490167.0200	115	0.50	26

NERIOX



490730 Shank round brush NERIOX

Steel wire

Crimped wire, can be used universally for cleaning, rust removal, smoothing, cleaning of welding seams, light deburring and removal of corrosion and varnishes. Optimal adaptation to the contour of the workpieces due to high flexibility. Creates fine surfaces. **Robust steel wire** with high tensile and flexural strength. Very well suited for steel and cast iron. Can also be used for processing plastic. Temperature-resistant up to 300°C.

Order ID	Ø mm	Wire thickness mm	Trim length mm
490730.0100	30	0.20	7
490730.0200	40	0.20	9
490730.0300	50	0.20	13
490730.0400	60	0.20	15
490730.0500	80	0.30	19

NERIOX



490735 Shank round brush NERIOX

INOX wire

Crimped wire, can be used universally for cleaning, rust removal, smoothing, cleaning of welding seams, light deburring and removal of corrosion and varnishes. Optimal adaptation to the contour of the workpieces due to high flexibility. Creates fine surfaces. **V2A wire**: Rust-resistant; leaves no corrosive residues on the workpiece. Very well suited for INOX and aluminium. Well suited for steel and non-ferrous metals. Temperature resistance: up to 450°C.

Order ID	Ø mm	Wire thickness mm	Trim length mm
490735.0100	30	0.20	7
490735.0200	40	0.20	9
490735.0300	50	0.20	13
490735.0400	60	0.20	15
490735.0500	70	0.30	19

NERIOX



NERIOX



490740 Shank round brush NERIOX

Brass wire

Crimped wire, can be used universally for cleaning, rust removal, smoothing, cleaning of welding seams, light deburring and removal of corrosion and varnishes. Optimal adaptation to the contour of the workpieces due to high flexibility. **Brass wire** works without sparks and creates finer surfaces than steel wire (softer). Very well suited for soft non-ferrous metals (brass, zinc, copper etc.). Temperature resistance: up to 180°C.

Order ID	Ø	Wire thickness	Trim length
	mm		mm
490740.0100	30	0.20	7
490740.0200	40	0.20	9
490740.0300	50	0.20	13
490740.0400	60	0.20	15
490740.0500	70	0.30	19

NERIOX



490750 Shank round brush NERIOX

SiC wire

Abrasive wire, particularly well suited for deburring work and surface improvement. Optimal adaptation to the contour of the workpieces due to high flexibility. Creates fine surfaces. **Silicon carbide** Very well suited for steel, stainless steel, aluminium, cast iron and plastics. Well suited for soft non-ferrous metals (brass, zinc, copper etc.). Temperature resistance: up to 220°C.

Order ID	Ø	Wire thickness	Trim length
	mm	mm	mm
490750.0100	40	0.55	13
490750.0200	40	0.55	13
490750.0300	50	1.00	13
490750.0400	50	1.00	13

NERIOX



490700 Shank end brush NERIOX

Steel wire

Crimped wire, suitable for light brushing work such as deburring, cleaning and rust removal. Optimal access to hard-to-reach areas such as bores and cavities due to spreading of the wires during rotation. Creates fine surfaces. **Robust steel wire** with high tensile and flexural strength. Very well suited for steel and cast iron. Can also be used for processing plastic. Temperature-resistant up to 300°C.

Order ID	Head Ø	Wire thickness	Trim length
	mm	mm	mm
490700.0100	10	0.30	20
490700.0200	15	0.30	22
490700.0300	20	0.30	25

NERIOX



490705 Shank end brush NERIOX

INOX wire

Crimped wire, suitable for light brushing work such as deburring, cleaning and rust removal. Optimal access to hard-to-reach areas such as bores and cavities due to spreading of the wires during rotation. Creates fine surfaces. **V2A wire**: Rust-resistant; leaves no corrosive residues on the workpiece. Very well suited for INOX and aluminium. Well suited for steel and non-ferrous metals. Temperature resistance: up to 450°C.

Order ID	Head Ø	Wire thickness	Trim length
	mm	mm	mm
490705.0100	10	0.20	20
490705.0200	15	0.20	22
490705.0300	20	0.20	25

NERIOX



490710 Shank end brush NERIOX

Steel wire

Twisted wire, aggressively working brush for medium-duty brushing operations such as deburring, cleaning, rust removal and descaling, as well as for removing welding spatter. Optimal access to hard-to-reach areas such as bores and recesses. **Robust steel wire** with high tensile and flexural strength. Very well suited for steel and cast iron. Can also be used for processing plastic. Temperature-resistant up to 300°C.

Order ID	Head Ø	Wire thickness	Trim length
	mm	mm	mm
490710.0100	19	0.35	28
490710.0200	30	0.35	25

490720 Shank end brush NERIOX

Steel wire, vulcanised

Vulcanised wire, especially aggressive brush for heavy-duty brushing operations. Precise work thanks to high dimensional stability and maximum tool life, as premature breakage of the wires is prevented. **Robust steel wire** with high tensile and flexural strength. Very well suited for steel and cast iron. Can also be used for processing plastic.

Order ID	Head Ø mm	Wire thickness mm	Trim length mm
490720.0100	16	0.30	22
490720.0200	22	0.30	25

NERIOX



483015 Mounted point NERIOX

Cylindrical shape ZY

For grinding moulded parts made of high-speed steel (HSS) and grinding welds on steel structures. The ZY cylindrical shape is **ideally suited for grinding bores, radii and contours**. High sanding and removal performance. Shortened grinding times and thus cost savings due to the high material removal rate. Very well suited for universal use on steel, hardened steel (over 38 HRC) and cast steel. Well suited for use on INOX and hard non-ferrous metals (bronze, titanium, titanium alloys and hard aluminium alloys).

Order ID	Head Ø mm	Head length mm	Shaft Ø mm	Order ID	Head Ø mm	Head length mm	Shaft Ø mm
483015.0100	2	5	3	483015.2000	16	32	6
483015.0200	3	6	3	483015.2100	16	32	6
483015.0300	4	8	3	483015.2200	20	25	6
483015.0400	5	10	3	483015.2300	20	25	6
483015.0500	6	13	3	483015.2400	25	32	6
483015.0600	8	10	3	483015.2500	25	32	6
483015.0700	8	16	3	483015.2600	16	4	6
483015.0800	6	10	3	483015.2700	16	4	6
483015.0900	6	10	3	483015.2800	20	6	6
483015.1000	6	13	6	483015.2900	20	6	6
483015.1100	6	13	6	483015.3000	25	13	6
483015.1200	8	16	6	483015.3100	25	13	6
483015.1300	8	16	6	483015.3200	32	16	6
483015.1400	10	20	6	483015.3300	32	16	6
483015.1500	10	20	6	483015.3400	40	20	6
483015.1600	10	32	6	483015.3500	40	20	6
483015.1700	10	32	6	483015.3600	40	40	6
483015.1800	13	25	6	483015.3700	40	40	6
483015.1900	13	25	6				

NERIOX



483035 Mounted point NERIOX

Ball shape KU

For grinding moulded parts made of high-speed steel (HSS) and grinding welds on steel structures. The ball shape KU is **ideally suited for grinding contours and rear-side deburring**. High sanding and removal performance. Shortened grinding times and thus cost savings due to the high material removal rate. Smaller diameters up to 8 mm are especially suitable for edge grinding on steel, cast steel and cast iron. Very well suited for universal use on steel, hardened steel (over 38 HRC) and cast steel. Well suited for use on INOX and hard non-ferrous metals (bronze, titanium, titanium alloys and hard aluminium alloys).

Order ID	Head Ø mm	Head length mm	Shaft Ø mm
483035.0100	3	3	3
483035.0200	5	5	3
483035.0300	8	8	3
483035.0400	8	8	6
483035.0500	8	8	6
483035.0600	16	16	6
483035.0700	16	16	6
483035.0800	20	20	6
483035.0900	20	20	6

NERIOX





483045 Mounted point NERIOX

Pointed arch shape SP



For grinding moulded parts made of high-speed steel (HSS) and grinding welds on steel structures. The pointed arch shape SP is **ideally suited for machining smaller openings and bores**. High sanding and removal performance. Shortened grinding times and thus cost savings due to the high material removal rate. Smaller diameters up to 5 x 10 mm are especially suitable for edge grinding on steel, cast steel and cast iron. Very well suited for universal use on steel, hardened steel (over 38 HRC) and cast steel. Well suited for use on INOX and hard non-ferrous metals (bronze, titanium, titanium alloys and hard aluminium alloys).

Order ID	Head Ø mm	Head length mm	Shaft Ø mm
483045.0100	3	6	3
483045.0200	5	10	3
483045.0300	8	16	3
483045.0400	5	10	6
483045.0500	5	10	6
483045.0600	8	16	6
483045.0700	8	16	6
483045.0800	13	20	6
483045.0900	13	20	6
483045.1000	20	32	6
483045.1100	20	32	6



483055 Mounted point NERIOX

Conical shape KE



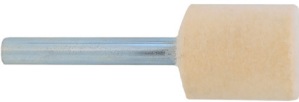
For grinding moulded parts made of high-speed steel (HSS) and grinding welds on steel structures. The conical shape KE is suitable **for a pleasant working position when surface grinding and for the grinding of fillet welds**. High sanding and removal performance. Shortened grinding times and thus cost savings due to the high material removal rate. Very well suited for universal use on steel, hardened steel (over 38 HRC) and cast steel. Well suited for use on INOX and hard non-ferrous metals (bronze, titanium, titanium alloys and hard aluminium alloys).

Order ID	Head Ø mm	Head length mm	Shaft Ø mm
483055.0100	10	25	6
483055.0200	10	25	6
483055.0300	16	45	6
483055.0400	16	45	6
483055.0500	20	32	6
483055.0600	20	32	6



483545 Felt polishing point NERIOX

Cylindrical shape ZYA



For pre- and high-gloss polishing of injection moulding tools for plastic parts, high-gloss polishing of stainless steel components (INOX), pre-polishing of fittings, polishing of carbide cutting blades. Felt tools are used in conjunction with diamond polishing pastes and polishing paste bars. When changing the polishing paste, the polishing tool must also be changed. The shape ZYA is mainly used on the periphery of the tool. Can be profiled freely and can therefore also be used for tools with complicated geometries. Exact preservation of geometric shapes due to their hardness.

Appropriate accessories:

- 480140 Diamond grinding paste K-700
- 480150 Diamond grinding paste 10 g
- 480155 Diamond lapping compound FUTURO
- 480156 Diamond lapping compound set FUTURO
- 480160 Diamond suspension
- 491351 Polishing paste bar K-PP 4 HGP Universal PFERD

Order ID	Head Ø mm	Head length mm	Shaft Ø mm
483545.0100	6	10	3
483545.0200	8	10	3
483545.0300	10	15	3
483545.0400	10	15	6
483545.0500	15	20	6
483545.0600	20	25	6

483555 Felt polishing point NERIOX



Pointed arch shape SPK



For pre- and high-gloss polishing of injection moulding tools for plastic parts, high-gloss polishing of stainless steel components (INOX), pre-polishing of fittings, polishing of carbide cutting blades. Felt tools are used in conjunction with diamond polishing pastes and polishing paste bars. When changing the polishing paste, the polishing tool must also be changed. The shape SPK is mainly used for pre- and high-gloss polishing of radii and contours. Can be profiled freely and can therefore also be used for tools with complicated geometries. Exact preservation of geometric shapes due to their hardness.

Appropriate accessories:

- 480140 Diamond grinding paste K-700
- 480150 Diamond grinding paste 10 g
- 480155 Diamond lapping compound FUTURO
- 480156 Diamond lapping compound set FUTURO
- 480160 Diamond suspension
- 491351 Polishing paste bar K-PP 4 HGP Universal PFERD

Order ID	Head Ø mm	Head length mm	Shaft Ø mm
483555.0100	8	12	3
483555.0200	10	18	3
483555.0300	10	18	6

483565 Felt polishing point NERIOX



Cylindrical shape with round end WRC



For pre- and high-gloss polishing of injection moulding tools for plastic parts, high-gloss polishing of stainless steel components (INOX), pre-polishing of fittings, polishing of carbide cutting blades. Felt tools are used in conjunction with diamond polishing pastes and polishing paste bars. When changing the polishing paste, the polishing tool must also be changed. The WRC shape is mainly used for pre- and high-gloss polishing of small concave contours. Can be profiled freely and can therefore also be used for tools with complicated geometries. Exact preservation of geometric shapes due to their hardness.

Appropriate accessories:

- 480140 Diamond grinding paste K-700
- 480150 Diamond grinding paste 10 g
- 480155 Diamond lapping compound FUTURO
- 480156 Diamond lapping compound set FUTURO
- 480160 Diamond suspension
- 491351 Polishing paste bar K-PP 4 HGP Universal PFERD

Order ID	Head Ø mm	Head length mm	Shaft Ø mm
483565.0100	8	12	3
483565.0200	10	14	3
483565.0300	15	20	6

NERIOX



561325 Battery-powered LED pen torch NERIOX

450 LUMEN

2.5h RECHARGE

USB TYPE C

Rechargeable battery-powered pen torch **with two magnets and a clip** for professional use. Slim, robust aluminium housing, versatile and **powerful light output** up to 450 lumens (low power, power and boost mode) thanks to COB LED chips. Two integrated holding magnets on the underside and on the clip allow the torch to be secured and positioned on metallic objects, thereby leaving both hands free for working in workshops and construction sites and performing assembly work. The permanently installed lithium-ion battery with safety electronics can be conveniently charged via the **USB-C port**. Shock-resistant to IK07, battery charge indicator.

Scope of delivery:
561325.0100 Battery-powered LED pen torch NERIOX with USB-C charging cable (100 cm)

Alternatively also available:
561755.0100 Cordless LED work light NERIOX 1200 lm

Order ID	561325.0100	
Luminous flux	lm	450 / 300 / 100
Luminous period	h	1.5 / 3
Beam angle		120°
Light temperature	K	5000...6500
Working temperature	°C	0...35
Battery voltage	V	3.7
Battery capacity	Ah	0.6
Protection class		IPX3
Dimensions	mm	88 x 23 x 19
Weight	g	35

NERIOX



561755 Cordless LED work light NERIOX

1200 LUMEN

3h RECHARGE

USB TYPE C

Extremely bright, robust cordless LED work light with **up to 1200 lumen** and additional spotlight in a practical pocket format. **Four light modes** (Spot, Flood Low, Mid and High Power). Flexible mounting options **with clip** on the back **and two strong magnets** on the bottom and back of the light fixture. Innovative **sensor switch-off function** automatically switches off the light when stowed in a pocket. IPX3-protected against water splashing on all sides. The lithium-ion battery with fail-safe electronics provides a light duration of up to 12 hours, can be recharged via an integrated USB-C port.

Scope of delivery:
561755.0100 Cordless LED work light NERIOX with USB-C charging cable (100 cm)

Order ID	561755.0100	
Luminous flux	lm	1200 / 600 / 300 / 100
Battery voltage	V	3.7
Battery capacity	Ah	2.0
Luminous period	h	≤ 12
Charging time	h	3
Protection class		IPX3
Dimensions	mm	115 x 46 x 26
Weight	g	147

NERIOX



561370 Battery-powered LED headlamp NERIOX

IP X4

350 LUMEN

3h RECHARGE

USB TYPE C

Practical, lightweight and robust, versatile rechargeable LED headlamp with **4 light modes** (low/high power, side light, red light). Long COB LED strip for wide, complete illumination and additional side light for focused, pinpoint long-range illumination. Powerful, integrated lithium-ion battery with charging via USB-C and a light duration of up to 8 hours. Can be easily switched on and off with **sensor technology**, even with gloves and dirty hands. With IPX4 **can also be used in heavy rain**. Impact and shock protected. **Elastic headband with reflective strip**, universally adjustable. Integrated anti-slip strip ensures a secure hold and is also suitable for safety helmets.

Scope of delivery:
561370.0100 Battery-powered LED headlamp NERIOX 350 lm, USB-C charging cable

Order ID	561370.0100	
Luminous flux	lm	350
Battery voltage	V	3.7
Battery capacity	Ah	1.2
Luminous period	h	8 / 2.5
Charging time	h	3
Protection class		IPX4
Working temperature	°C	-10...+40
Weight	g	64
Scope of delivery	Battery-powered LED headlamp NERIOX 350 lm, USB-C charging cable	

561750 Battery-powered LED work light NERIOX



IP 65



1400 LUMEN



4.5h RECHARGE



USB TYPE C

Small power pack with **four light modes** (spot, flood low, mid and high power), integrated lithium-ion battery with charging via **USB-C**, the light can be adjusted in almost any direction you like using the **180° adjustable foot**, the light is free-standing thanks to its wide base and the **integrated magnet** can be used to attached it to any ferrous surface. Due to the small size it is also suitable as a hand lamp, the spotlight mode (spot) also allows the lamp to be used for inspection work. Robust housing, shock- and impact-resistant, dust- and splash-proof.

NERIOX



Scope of delivery:

561750.0100 Battery-powered LED work light NERIOX 1400 lm, 1 metre USB-C charging cable

Order ID	561750.0100	
Luminous flux	lm	1400
Battery voltage	V	3.7
Battery capacity	Ah	5.2
Luminous period	h	6 / 7 / 4.5 / 3
Light temperature	K	6500
Charging time	h	4.5
Protection class		IP 65
Working temperature	°C	-10...+40
Dimensions	mm	116 x 41.5 x 101
Weight	g	400

561538 Battery-powered LED torch NERIOX



IP 54



120-600 LUMEN



USB TYPE C

With a main light equipped with state-of-the-art chip-on-board (COB) LED strip technology, this torch is eminently suitable as a workplace light. (Produces a single shadow only). Its slim design makes it ideally suited for use **in confined spaces**. Rotary knob for **adjusting the brightness along a continuous scale**, suspension hook, powerful magnet, **can be rotated 360°** thanks to the **ball-and-socket joint** between the magnet and lamp. Additional top light makes targeted illumination of specific areas possible. Rechargeable via integrated USB-C port.

NERIOX



Order ID	561538.0100	
Battery voltage	V	3.7
Battery capacity	Ah	2.6
Battery		Li-Ion
Luminous flux	lm	120...600
Luminous period	h	1.8...15
Light temperature	K	6500
Protection class		IP54
Working temperature	°C	-10...+40
Dimensions	mm	384 x 40 x 44.5

561578 Battery-powered LED hand lamp, NERIOX



IP 65



700 LUMEN

LED work light and torch in one, torch head can be swivelled up to 180°, ergonomic, 1 magnet at the base and 2 magnets at the rear, work light LEDs (300 lm / 700 lm) for 2 or 3.5 hours of light, spotlight with LED (150 lm) for 7 hours of continuous use, with rechargeable lithium-ion battery, 230 V mains adapter and USB cable. IP 65.

NERIOX



Order ID	561578.0200	
Battery voltage	V	3.7
Battery capacity	Ah	2.6
Light output	lm	700
Combustion duration	h	2.5...7
Charging time	h	4
Protection class		IP65
Length	mm	230
Weight	kg	0.30

561180 LED Torch NERIOX



IP 54

CREE LED, robust aluminium housing, non-slip surface, IP54 rating (protection against dust and spray). Supplied with wrist strap, belt pouch and batteries.

NERIOX



561180.0100



561180.0200

Order ID	561180.0100		561180.0200	
Light output	lm	30	130	
Beam approx.	m	30	80	
Luminous period	h	4	7	
Length	mm	105	148	
Weight	g	26	37	



561760 Rechargeable LED torch NERIOX

150 LUMEN

IP X4

USB TYPE C

Ultra-compact rechargeable LED flashlight for professional use in industrial environments, service areas, and technical maintenance. It offers needs-based illumination with two light levels. The integrated **focus function** allows flexible adjustment of the light cone for precise visibility in tight spaces or broad illumination of work surfaces. The extremely robust aluminum housing with knurled applications ensures a secure grip, even when operating with gloves. The rubberized end cap switch allows intuitive one-handed operation. The reversible **double clip** allows the lamp to be securely attached to clothing or tool bags – or used as a cap light. Thanks to **IPX4 protection and impact resistance up to 1 meter**, the flashlight also works reliably in demanding industrial environments. Weighing only 44 g, it can be carried around easily at all times.

Highlights:

- Two light levels and focus function for flexible, needs-based illumination
- Robust, anodized aluminum housing with secure grip – even when wearing gloves
- Easy one-handed operation via rubberized end cap switch
- Double clip that can be used on both sides, also usable as a cap light
- Protected USB-C charging port, IPX4 & shockproof up to 1 m for industrial environments

Order ID	561760.0100	
Length	mm	110
Ø	mm	17
Battery	1 x Typ 10440 Li-Ion	
Battery voltage	V	3.7
Battery capacity	Ah	0.32
Luminous flux	lm	150 / 20
Beam approx.	m	63
Luminous period	h	2.5 / 6
Protection class		IPX4
Working temperature	°C	-20...+60
Weight	g	44



561770 Rechargeable LED torch NERIOX

250 LUMEN

IP X4

USB TYPE C

Compact rechargeable LED flashlight for professional use in industrial environments, service areas, and technical maintenance. It offers needs-based illumination with two light levels. The integrated **focus function** allows flexible adjustment of the light cone for precise visibility in tight spaces or broad illumination of work surfaces. The extremely robust aluminum housing with knurled applications ensures a secure grip, even when operating with gloves. The rubberized end cap switch allows intuitive one-handed operation. The clip allows the lamp to be securely attached to clothing or tool bags. Thanks to **IPX4 protection and impact resistance up to 1 meter**, the flashlight also works reliably in demanding industrial environments. Weighing only 58 g, it can be carried around easily at all times.

Highlights:

- Two light levels and focus function for flexible, needs-based illumination
- Extremely slim yet powerful – up to 250 lumens of light output
- Robust, anodized aluminum housing with a secure grip – even when wearing gloves
- Easy one-handed operation via rubberized end cap switch
- Protected USB-C charging port, IPX4 & shockproof up to 1 m for industrial environments

Order ID	561770.0100	
Length	mm	150
Ø	mm	17
Battery	1 x Typ 10840 Li-Ion	
Battery voltage	V	3.7
Battery capacity	Ah	0.6
Luminous flux	lm	250 / 20
Beam approx.	m	82
Luminous period	h	2 / 7.5
Protection class		IPX4
Working temperature	°C	-20...+60
Weight	g	58

561780 Rechargeable LED torch NERIOX



Powerful rechargeable LED flashlight for professional use in industry, trade, and service. With up to 1200 lumens and four light modes (LOW / MID / HIGH / SOS), it provides reliable and needs-based illumination at all times. A particular highlight is the **extremely flexible power supply**: the flashlight can be operated with either the **supplied 18650 Li-ion battery** or, alternatively, with **4x AAA batteries**. This means it is always ready for use – even when no charger is available. The integrated **focus function** allows the light cone to be continuously adjusted by moving the lamp head. The **robust, anodized aluminum housing** and the **rubberized power button on the top** ensure safe and comfortable operation in everyday work. The USB-C charging port with LED status indicator allows for quick and convenient battery charging. Thanks to IPX4 protection and IK07 impact resistance, the lamp is ideally suited for demanding conditions.



Highlights:

- Up to 1200 lumens of light output with 4 light modes including SOS
- Maximum flexibility: can be operated with a rechargeable battery or batteries
- Focus function for spot or flood lighting
- Robust, anodized aluminum housing with rubberized switch
- USB-C charging port, IPX4 splash-proof & IK07 impact-resistant

Scope of delivery:

561780.0100 1 x Type 18650 Li-Ion battery (3.7 V, 2000 mAh), 1 x AAA battery adapter sleeve (without batteries), 1 x USB-C charging cable 0.5 m

Order ID		561780.0100
Length	mm	175
Ø	mm	38
Battery		1 x Typ 18650 Li-Ion
Battery voltage	V	3.7
Battery capacity	Ah	2
Luminous flux	lm	1200 / 400 / 200 / 15
Beam approx.	m	120
Luminous period	h	1.5 / 3.5 / 6 / 60
Protection class		IPX4
Working temperature	°C	-20...+40
Weight	g	213

NERIOX



518250 Caulking gun NERIOX

Heavy-duty cartridge gun, designed **for demanding professional use**. The robust die-cast aluminum construction with plastic applications and the **high extrusion force of 1350 N** enable effortless processing of even viscous sealants and adhesives such as silicone, acrylic, or PU compounds. Thanks to precise power transmission and the ability to easily switch between **drip-free extrusion** and traditional operation, clean and controlled working without material waste is guaranteed – even in continuous use and demanding applications.

Highlights:

- Extremely robust heavy-duty design made of die-cast aluminum
- High extrusion force for viscous sealing and adhesive materials
- 360° rotatable cartridge holder for flexible working
- Suitable for all standard 310 ml cartridges

Order ID	suitable for	Compression force
518250.0100	310 ml Euro cartridges	1350 N

NERIOX



518260 Caulking gun NERIOX

Cartridge gun for professional use in construction and crafts. It combines a solid, durable design with well-thought-out features for precise and clean work. Ideal for safely and efficiently processing all standard 310 ml sealant and adhesive cartridges. Thanks to the interchangeable operating modes, you can easily choose between drip-free squeezing and classic operation. In addition, the 360° rotatable cartridge holder ensures flexible working angles, even in difficult places. Integrated tools such as a **cutting blade for the cartridge tip** and **piercing needle for the opening** facilitate cartridge preparation and improve handling directly at the point of use.

Highlights:

- Professional cartridge gun with robust, durable construction
- Switchable between drip-free and conventional squeeze mode
- 360° rotatable cartridge holder for flexible working
- Integrated cutting blade and needle for easy cartridge preparation

Order ID	suitable for	Compression force
518260.0100	310 ml Euro cartridges	1350 N

NERIOX



518270 Caulking gun NERIOX

Cartridge gun for use in construction and crafts. It combines a solid, durable design for precise and clean work. Ergonomic, durable design and high extrusion force of up to 1350 N for powerful and precise processing of sealing and adhesive materials. **Drip-free extrusion**.

Highlights:

- High extrusion force up to 1350 N for viscous materials
- Ideal for all standard 310 ml cartridges
- Precise, drip-free material delivery for clean results

Order ID	suitable for	Compression force
518270.0100	310 ml Euro cartridges	1350 N

NERIOX



518310 Mortise Knife NERIOX

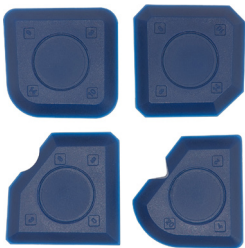
Robust mortise knife **for professional removal and finishing of sealants**. Perfectly suited for removing old or excess silicone, acrylic, and other sealants from joints, edges, and transitions as an optimal basis for clean resealing. Thanks to the **adjustable working angle**, the joint cutter can be flexibly adapted to different joint shapes and working positions. This enables precise, controlled work even in hard-to-reach areas.

Highlights:

- Joint cutter for clean removal of old sealants
- Suitable for silicone, acrylic, and similar sealants
- Adjustable working angle for flexible use
- Robust design, ideal for construction and renovation work

Order ID	Dimensions mm
518310.0100	215 x 95 x 30

NERIOX



518099 Joint smoothing trowel set NERIOX

Practical set of four joint smoothing trowels for professional smoothing of connection and corner joints in silicone, acrylate or other sealants. Suitable for a wide range of joint sizes and shapes, including for external corners. The joint smoothing trowels are made of robust special plastic and can be easily cleaned with water.

Order ID	Parts
518099.0100	4

418440 Telescopic magnetic pick-up tool NERIOX

High-quality telescopic magnetic pick-up tool suitable for industry – ideal for use in workshops, manufacturing, maintenance and quality control. This compact multi-tool combines several practical functions into a single high-quality stainless steel housing. Equipped with a **powerful magnet**, an **integrated scribing needle** and a practical pocket clip, it is very easy to transport and perfectly suited to technical environments.

NERIOX



- **Strong holding magnet (500 g)** – for reliably picking up screws, nuts and other small metal parts
- **Integrated scribing needle** – ideal for precisely marking metal surfaces
- **Telescope function** – the extendable rod effortlessly reaches areas that are difficult to access
- **Integrated pocket clip** – for quick access and easy transport
- **Industrial quality** – robust stainless steel housing enables long-term professional use

Order ID	Magnet Ø mm	Adhesive strength kg	Length mm
418440.0100	8	0.5	150...655

418450 Telescopic magnetic pick-up tool NERIOX

Professional telescopic magnetic pick-up tool with optimised ergonomics and maximum functionality – ideal for everyday use in industry, workshops and technical service areas. Equipped with a **strong holding magnet** and sophisticated details to increase user comfort, this tool impresses with its efficiency and ease of use. The **soft textured handle** ensures a **secure working grip even with oily hands**, while the **magnetic protective sleeve** reduces magnetic leakage and enables targeted guidance along metal surfaces without unintentional sticking.

NERIOX



- **Strong holding magnet (up to 3.5 kg)** – ideal for picking up small and large metal parts in workshops and production
- **Magnetic protective sleeve** – shields the magnet and increases the lifting power exerted in cramped spaces while maintaining control
- **Soft ergonomic grip** – non-slip, textured surface for secure grip and comfortable working even with oily hands
- **Telescope function** – extendable shank for hard-to-reach areas
- **Integrated pocket clip** – practical for easy transport and quick access
- **Industrial quality** – robust design for long-term professional use

Order ID	Magnet Ø mm	Adhesive strength kg	Length mm
418450.0100	8	0.65	165...880
418450.0200	13	1.6	172...882
418450.0300	16	2.5	172...765
418450.0400	16	3.5	172...765

418460 Flexible magnetic pick-up tool NERIOX

High-quality, flexible magnetic pick-up tool with robust workmanship, designed for everyday use in industry, workshops and technical service areas. The **flexible, chrome-plated shaft** enables precise retrieval of metal parts, even in angled or cramped spaces. Equipped with a **powerful magnet** and a **handy PP handle**, this tool offers optimal control, stability and magnetic force in any position.

NERIOX



- **Strong holding magnet (up to 1.0 kg)** – ideal for reliably picking up heavy metal parts in hard-to-reach areas
- **Flexible, chrome-plated shaft** – highly flexible yet able to retain its shape, making it ideal for targeted work
- **Handy PP handle** – provides a secure grip and prevents twisting during use
- **Corrosion-resistant** – chrome-plated surface provides long-term protection against rust and wear
- **Compact tool** – ideal for precise assembly, repair and manufacturing applications
- **Industrial quality** – robust, durable and reliable in long-term professional use

Order ID	Magnet Ø mm	Adhesive strength kg	Length mm
418460.0100	9	0.5	460
418460.0200	12	1	460

418725 Handheld magnetic pick-up tool NERIOX



Ideal for quickly removing ferromagnetic parts from liquids, containers, or Trovalized drums. Perfectly suited for separating steel from non-ferrous metals or plastics, as well as for cleaning chip trays on machine tools. Simply pull back the pull rod to effortlessly remove the collected steel parts from the magnetic rod - clean, efficient, and convenient.

NERIOX



Order ID	Length mm	Ø mm	Adhesive strength kg
418725.0100	400	25	3.5
418725.0200	400	25	5.0



550620 Tool backpack NERIOX

In the robust tool backpack, **has space for up to 50 tools in 15 pockets, 6 elasticated loops and 4 additional spacious storage compartments, as well as a laptop up to 13.3" in a separate compartment.** In addition, a separate tape measure holder and several metal fastening eyelets at the front keep things tidy. Made of high-quality nylon. The waterproof reinforced plastic bottom protects against wear and makes the backpack extremely durable. Padded, breathable back panel and padded, adjustable mesh shoulder straps for convenient transport.

Order ID	Dimensions mm	Volume approx. [l]
550620.0100	360 x 170 x 440	23



550680 Portable tool backpack NERIOX



Practical tool backpack with telescopic handle and robust wheels for easy transport of heavy tools. **The telescopic handle conveniently slides into the backpack.** Raised base with plastic feet for protection on wet floors. Comfortable carry handle offers an alternative way to transport the backpack. Made from **robust nylon** for durability, a long service life and high resistance against tearing. Padded, breathable back panel and padded, adjustable mesh shoulder straps for convenient transport.

Order ID	Dimensions mm
550680.0100	530 x 380 x 250



550580 Tool bag NERIOX

The robust tool bag offers **space for around 53 tools.** The premium nylon tool bag made of high-quality processed materials features practical functionality that keeps things tidy. Necessary work equipment can be accommodated in around 33 pockets sewn on the inside and outside of the bag as well as in many other larger and smaller storage compartments. In addition, the bag has a special compartment with a closure for a carpenter's saw and a metal tape measure holder. **Reinforced plastic bottom for durability.** A **metal carrying handle and the additional shoulder strap** make it easy and convenient to transport the tool bag and its contents. The nylon protective hood with two stitched closures also protects the contents of the bag from loss, dirt or even theft.

Order ID	Dimensions mm	Volume approx. [l]
550580.0100	515 x 285 x 380	32



550285 Roll-up tool case NERIOX

Compact, practical and handy roll-up tool case made of robust nylon. Tools are stored safely, tidily and cleanly in high-quality stitched pockets. The roll-up bag can be closed securely using a strap and conveniently opened again. This means that the most important tools are always at hand.

Order ID	Number of compartments	Dimensions mm
550285.0100	8	430 x 330
550285.0200	12	530 x 330
550285.0300	15	630 x 330
550285.0400	20	780 x 330

550191 Materials bag NERIOX

Made of polyester D600, black, small inside and outside bag, suitable for example as a bag for **tools included with products** or as a **materials bag** in general.

Order ID	Dimensions mm
550191.0100	500 x 150 x 150

NERIOX



550355 Tool case NERIOX

Very lightweight, compact and resistant, made of polypropylene. 2 side locks, robust handle; 1 tool panel with 12 pockets on the back and 8 pockets on the front, 1 tool panel with 14 pockets on one side, bottom compartment with 3 dividers and 2 boxes for small parts. Contents shown not included.

Order ID	Dimensions mm	Support capacity kg	Weight kg
550355.0100	430 x 340 x 156	20	3.8

NERIOX



550485 Portable tool case NERIOX



Made of polypropylene, extremely resistant to corrosion and high or low temperatures, very robust and lightweight; 1 tool panel with 6 pockets and document wallet on the back, 12 pockets and elastic strap for 8 tools on the front, 1 tool panel with 6 pockets and elastic strap for 8 tools on one side; bottom compartment with adjustable dividers and 2 boxers for small parts; 2 side locks and 1 central lock, with robust handle and telescopic handle, ball-bearing rollers. Contents shown not included.

Order ID	Internal size mm	Support capacity kg	Weight kg
550485.0100	430 x 320 x 190	15...20	5

NERIOX



428835 Tool case NERIOX

Starter set, 77 pieces, in a robust, double-walled hard-shell tool case.

Consisting of:

- 110856.0100 Caliper gauge NERIOX Fixing screw on top 150 / 0.05
- 155046.0200 Batterie alkaline ANSMANN LR03 / 1.5 V (Micro / AAA)
- 159630.0100 Measuring tape NERIOX tape width 16 mm 3 m
- 174605.0100 Aluminium spirit level NERIOX 300 mm
- 318650.0100 Flat hand file NERIOX with 2-component-handle 8"/200 mm Cut 2 second cut
- 318655.0100 Half-round file NERIOX with 2-component-handle 8"/200 mm Cut 2 second cut
- 420190.0300 Adjustable wrench NERIOX 200 mm
- 421355.0100 Combination wrench NERIOX DIN 3113 A 6
- 421355.0200 Combination wrench NERIOX DIN 3113 A 7
- 421355.0300 Combination wrench NERIOX DIN 3113 A 8
- 421355.0400 Combination wrench NERIOX DIN 3113 A 9
- 421355.0500 Combination wrench NERIOX DIN 3113 A 10
- 421355.0600 Combination wrench NERIOX DIN 3113 A 11
- 421355.0700 Combination wrench NERIOX DIN 3113 A 12
- 421355.0800 Combination wrench NERIOX DIN 3113 A 13
- 421355.0900 Combination wrench NERIOX DIN 3113 A 14
- 421355.1200 Combination wrench NERIOX DIN 3113 A 17
- 421355.1400 Combination wrench NERIOX DIN 3113 A 19
- 424405.0250 Angled hex key set NERIOX with ball head 9 pieces, long, 1.5–10 mm
- 435349.0200 Cross-head screwdriver Pozidriv NERIOX PZ1 x 80
- 435349.0300 Cross-head screwdriver Pozidriv NERIOX PZ2 x 100
- 435413.0100 Screwdriver set NERIOX for slot-head and Philips screws 6-piece
- 437625.0100 Bit and socket wrench set NERIOX 24-piece
- 440085.0100 Pliers set NERIOX 4-piece
- 452022.0300 Cross pein hammer NERIOX 300
- 455910.0100 Universal cutters NERIOX 180 mm
- 457195.0100 Replacement blades NERIOX 9 mm / Pack of 10
- 457240.0100 Universal knife NERIOX Blade width 9 mm / length 145 mm
- 550355.0100 Tool case NERIOX 430 x 340 x 156 mm
- 561195.0200 LED Torch NERIOX 130 lm / Ø 16 x 148 mm

Order ID	Parts	Size mm
428835.0100	77	430 x 340 x 156

NERIOX



NERIOX



551095 Microfiber cleaning cloths NERIOX

NERIOX microfiber cleaning cloths in blue, packed in a **practical dispenser** of 50 pieces. Ideal for a variety of cleaning tasks in the workshop, car care, industrial and maintenance cleaning for the coarsest soiling. 80% microfiber/polyester, 20% polyamide. **High absorption capacity for dirt and liquids.** The cleaning cloths are designed for both single-use and reusable applications and can withstand up to 100 washes due to their high quality, making them particularly environmentally friendly and cost-efficient.

Order ID	Colour	Dimensions mm	Surface weight g/m²
551095.0100	blue	300 x 300	185

NERIOX



551246 Cleaning wipe NERIOX SmartClean

A strong and effective hand cleaning wipe system **of the highest quality.** The highly effective cleaning effect is achieved through the combination of the special citrus-based liquid formula and the strong, hard-wearing and slightly abrasive wipe surface. SmartClean **removes grease, tar, wax, adhesive residues, oil, copper paste, brake and carbon dust, varnish, paint, ink, grass stains** and many other stubborn stains completely and gently. The cleaning cloths offer absolutely thorough, gentle cleaning at every work-place for every task without leaving any residue.

Order ID	Contents pieces	Sheet length mm	Sheet width mm
551246.0100	72	260	160

NERIOX



551485 Hand brush NERIOX

Horsehair blend, beech-wood body, with scratching edge. Swiss made.

Order ID	Length mm
551485.0100	330

NERIOX



551495 Scrubbing brush NERIOX

Scrubbing brush with scratching edge and tip for optimum cleaning performance, natural union trim, beech-wood body, FSC-certified. Swiss made.

Order ID	Length mm
551495.0100	195

NERIOX



551422 Hand brush set NERIOX

Universal hand brush set for indoor and outdoor use, **removes fine dust and coarse dirt thanks to the dual effect braided blend** (horsehair and polyester PBT), dustpan made from powder-coated metal, hand brush body made from beech, FSC-certified.

Order ID	551422.0100
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551125 Paper cleaning wipes NERIOX

Economical, high-performance paper cleaning wipe **for fast and hygienic cleaning of hands and surfaces**. Two-ply, made of cellulose, blue, perforated. Suitable for contact with food, dermatologically tested. Pack of two rolls.

Appropriate accessories:
551060 Floor stand for cleaning wipes
551070 Floor stand for Wipes

Order ID	551125.0100		
Packing of	pieces	2	
Number of sheets per roll	pieces	1000	
Roller Ø	mm	300	
Sheet length	mm	300	
Sheet width	mm	360	
Surface weight	g/m²	38	



552601 Safety washing container NERIOX

For washing or degreasing small parts in flammable liquids. In the event of a fire, the integrated fuse blows within a few seconds, causing the lid to close automatically; the source of the fire is smothered instantly. **Tabletop container** in 1.2 mm thick sheet steel, **galvanized**, removable perforated plate insert; **with fuse**.

Order ID	Contents	Ø x height
	l	mm
552601.0100	1.2	150 x 85
552601.0200	2	200 x 85
552601.0300	5	300 x 125



552606 Replacement fuse NERIOX

Solder-type.

Suitable for:
552601 Safety washing container NERIOX

Order ID	552606.0100
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551130 Paper cleaning wipes NERIOX

Particularly powerful paper wipe with very high liquid absorption and good tear resistance. **For quick and hygienic cleaning of hands and surfaces with heavy soiling**. 3-ply, made of cellulose, blue, perforated. Suitable for contact with food, dermatologically tested.

Appropriate accessories:
551060 Floor stand for cleaning wipes
551070 Floor stand for Wipes

Order ID	Number of sheets per roll	Roller Ø	Sheet length	Sheet width	Surface weight
	pieces	mm	mm	mm	g/m²
551130.0100	1000	400	360	360	18



551247 Cleaning wipe NERIOX SmartClean

In a **convenient individual pouch**. A strong and effective hand cleaning wipe system **of the highest quality**. The highly effective cleaning effect is achieved through the combination of the special citrus-based liquid formula and the strong, hard-wearing and slightly abrasive wipe surface. SmartClean **removes grease, tar, wax, adhesive residues, oil, copper paste, brake and carbon dust, varnish, paint, ink, grass stains** and many other stubborn stains completely and gently. The cleaning cloths offer absolutely thorough, gentle cleaning at every workplace for every task without leaving any residue.

Minimum order quantity = 10 pieces

Order ID	Contents	Sheet length	Sheet width	Colour
	pieces	mm	mm	
551247.0100	1	200	220	blue/white





495060 Number punch set NERIOX

In 9-piece sets 0-8, made from high-quality special tool steel. Front precisely hardened HRC 58-62, impact side tempered to HRC 38-46: Prevents chipping, has less kickback and is more durable than comparable, through-hardened products. Surface sandblasted, DIN typeface, sharply engraved. Functional packaging that also serves as a holder for the punches. All punches are marked with character height & characters.

Order ID	Font size mm	Shaft width mm	Shaft height mm	Length mm
495060.0100	1.5	6.35	6.35	61
495060.0200	2	6.35	6.35	61
495060.0300	2.5	6.35	6.35	61
495060.0400	3	6.35	6.35	60
495060.0500	4	6.35	6.35	60
495060.0600	5	7.93	7.93	61
495060.0700	6	7.93	7.93	61
495060.0800	8	11.11	11.11	68
495060.0900	10	12.7	12.7	74
495060.1000	12	15.85	15.85	84



495130 Alphabet punch set NERIOX

In 27-piece sets A-Z and &, made from high-quality special tool steel. Front precisely hardened HRC 58-62, impact side tempered to HRC 38-46: Prevents chipping, has less kickback and is more durable than comparable, through-hardened products. Surface sandblasted, DIN typeface, sharply engraved. Functional packaging that also serves as a holder for the punches. All punches are marked with character height & characters.

Order ID	Font size mm	Shaft width mm	Shaft height mm	Length mm
495130.0100	1.5	6.35	6.35	61
495130.0200	2	6.35	6.35	61
495130.0300	2.5	6.35	6.35	61
495130.0400	3	6.35	6.35	60
495130.0500	4	6.35	6.35	60
495130.0600	5	7.93	7.93	61
495130.0700	6	7.93	7.93	61
495130.0800	8	11.11	11.11	68
495130.0900	10	12.7	12.7	74
495130.1000	12	15.85	15.85	84



518205 PTFE sealing tape NERIOX

PTFE thread sealing tape, on a plastic spool.

Order ID	Tape width mm
518205.0100	12



445395 Hook tool NERIOX

Hook tool NERIOX, made of stainless steel, for removing, aligning, fitting springs, circlips, O-rings, small parts etc.

Order ID	Total length mm	Ø mm
445395.0100	173	1.6
445395.0200	163	1.6



448330 Micro-hook set NERIOX

5-pieces, for positioning, adjusting, separation of chips, small parts, etc; hexagonal aluminium handles, hook in high-quality stainless steel, in plastic pocket.

Order ID	Parts	Length mm
448330.0100	5	141

NERIOX

Shop Equipment

Shop Equipment

206–216





547500 Assortment box NERIOX

10 compartments, size S (290 x 220 x 67 mm). Robust, high-quality assortment box for order and clarity in the workshop, garage or household. Perfect for small parts such as screws, nuts, nails, dowels, etc. High flexibility thanks to removable inner dividers. Made from hard-wearing plastic. Transparent lid for a quick overview of the contents. Ergonomic handle and robust snap fasteners.

Order ID	Number of compartments	Dimensions mm
547500.0100	10	290 x 220 x 67



547505 Assortment box NERIOX

14 compartments, size M (320 x 260 x 67 mm). Robust, high-quality assortment box for order and clarity in the workshop, garage or household. Perfect for small parts such as screws, nuts, nails, dowels, etc. High flexibility thanks to removable inner dividers. Made from hard-wearing plastic. Transparent lid for a quick overview of the contents. Ergonomic handle and robust snap fasteners.

Order ID	Number of compartments	Dimensions mm
547505.0100	14	320 x 260 x 67



547515 Assortment box NERIOX

17 compartments, size L (375 x 290 x 67 mm). Robust, high-quality assortment box for order and clarity in the workshop, garage or household. Perfect for small parts such as screws, nuts, nails, dowels, etc. High flexibility thanks to removable inner dividers. Made from hard-wearing plastic. Transparent lid for a quick overview of the contents. Ergonomic handle and robust snap fasteners.

Order ID	Number of compartments	Dimensions mm
547515.0100	17	375 x 290 x 67



540475 Workshop trolley NERIOX

RAL 7035

Fully equipped with tools in foam inserts, workshop trolley with a sturdy steel construction and 6 drawers, full extension with ball-bearing guide rails, load capacity per drawer 20 kg, lockable via central locking, each drawer has its own lock to prevent accidental opening, both end faces with square holes, with round push handle, working platform with ribbed rubber mat, vertical continuous plastic edge protection on all 4 corners, 2 fixed castors and 2 swivel castors with locking brakes.

Order ID		540475.0050	540475.0075	540475.0100
Dimensions WxDxH	mm	678 x 459 x 935	678 x 459 x 935	678 x 459 x 935
Number of drawers		4	4	4
		2	2	2
Drawers front height		75	75	75
		150	150	150
Drawers usable area	mm	568 x 398	568 x 398	568 x 398
Drawers carrying capacity	kg	20	20	20
Colour		Light grey, RAL 7035		Light grey, RAL 7035



540465 Workshop trolley, NERIOX



Sturdy steel construction **with six drawers**, full extension with ball-bearing-mounted guide rails, load capacity per drawer 20 kg, lockable via central locking, drawers with single lock prevents accidental opening, both end faces with square holes, with round push handle, working platform with ribbed rubber mat, vertical continuous plastic edge protection on all four corners, two fixed casters and two swivel casters with locking brakes.

Edge protection made of plastic

Appropriate accessories:

- 540341 Locking pliers module NERIOX
- 540343 Circlip pliers module NERIOX
- 540348 Electronic screwdriver set module NERIOX
- 540354 Screwdriver set module with lateral drive for TORX® NERIOX
- 540364 Pliers set module NERIOX
- 540370 Combination wrench set module NERIOX
- 540372 Screwdriver set module NERIOX
- 540374 Screwdriver module for TORX® screws NERIOX
- 540378 Engineer's files module NERIOX
- 540382 Hex socket wrench set module 1/2 inch NERIOX
- 540384 Hex socket wrench set module 1/4-inch NERIOX
- 540386 Workshop kit module NERIOX
- 540396 Module multi-purpose tool set NERIOX
- 540467 Accessories for shop caddy NERIOX

Appropriate spare parts:

- 540477.0100 Replacement lock cylinder NERIOX With 2 keys for shop caddy 540465
- 540477.0300 Swivel Castor Ø125 x 45 mm
- 540477.0400 Fixed Castor Ø125 x 45 mm

Order ID		540465.0200
Dimensions WxDxH	mm	678 x 459 x 935
Number of drawers		4
		2
Drawers front height		75
		150
Drawers usable area	mm	568 x 398
Drawers carrying capacity	kg	20
Colour		Light grey, RAL 7035
Weight	kg	48.5

540466 Workshop trolley NERIOX



Workshop trolley with **seven drawers and two side doors**. The drawers are secured individually. A single drawer lock prevents multiple drawers from opening at the same time. The side doors are equipped with a gas-spring closing mechanism and can be locked individually. The side doors have perforated sheets on the interior and are also fitted with 3 small-part organisers. With anti-slip mat. With 2 swivel castors and 2 fixed castors

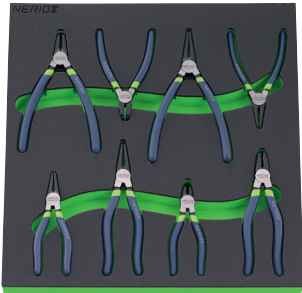
Appropriate accessories:

- 540341 Locking pliers module NERIOX
- 540343 Circlip pliers module NERIOX
- 540348 Electronic screwdriver set module NERIOX
- 540354 Screwdriver set module with lateral drive for TORX® NERIOX
- 540364 Pliers set module NERIOX
- 540370 Combination wrench set module NERIOX
- 540372 Screwdriver set module NERIOX
- 540374 Screwdriver module for TORX® screws NERIOX
- 540382 Hex socket wrench set module 1/2 inch NERIOX
- 540384 Hex socket wrench set module 1/4-inch NERIOX
- 540396 Module multi-purpose tool set NERIOX
- 540467 Accessories for shop caddy NERIOX

Appropriate spare parts:

- 540477.0200 Replacement lock cylinder NERIOX With 2 keys for shop caddy 540466
- 540477.0300 Swivel Castor Ø125 x 45 mm
- 540477.0400 Fixed Castor Ø125 x 45 mm

Order ID		540466.0100
Dimensions WxDxH	mm	910 x 474 x 815
Number of drawers		5
		2
Drawers front height		75
		150
Drawers usable area	mm	568 x 398
Drawers carrying capacity	kg	40
Colour		Light grey, RAL 7035



540343 Circlip pliers module NERIOX

In foam insert, two colours, black/green

Consisting of:

445046.0200 Circlip pliers NERIOX for internal rings J1, 12–25 mm
445046.0300 Circlip pliers NERIOX for internal rings J2, 19–60 mm
445066.0200 Circlip pliers NERIOX for internal rings J11, 12–25 mm
445066.0300 Circlip pliers NERIOX for internal rings J21, 19–60 mm
445124.0200 Circlip pliers NERIOX For external rings A1, 10–25 mm
445124.0300 Circlip pliers NERIOX For external rings A2, 19–60 mm
445144.0200 Circlip pliers NERIOX For external rings A11, 10–25 mm
445144.0300 Circlip pliers NERIOX For external rings A21, 19–60 mm
540343.0200 Circlip pliers module NERIOX 376 x 395 x 30 mm, empty
Compatible with NERIOX workshop trolleys

Order ID	Length mm	Width mm	Height mm
540343.0100	395	376	30



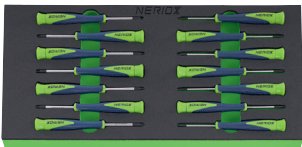
540341 Locking pliers module NERIOX

In foam insert, two colours, black/green

Consisting of:

444106.0100 Universal gripping pliers NERIOX 175
444106.0200 Universal gripping pliers NERIOX 250
444156.0100 Long nose gripping pliers NERIOX 170
540341.0200 Locking pliers module NERIOX 188 x 395 x 30 mm, empty
Compatible with NERIOX workshop trolleys

Order ID	Length mm	Width mm	Height mm
540341.0100	395	188	30



540348 Electronic screwdriver set module NERIOX

In foam insert, two colours, black/green

Consisting of:

437055.0100 Electronic screwdriver set NERIOX 7 parts, 1.6...3.0 mm, PH00/0/1
437060.0100 Electronic screwdriver set NERIOX 7 parts, T5...T15
540348.0200 Electronic screwdriver set module 188 x 395 x 30 mm, empty

Order ID	Length mm	Width mm	Height mm
540348.0100	395	188	30



540354 Screwdriver set module with lateral drive for TORX® NERIOX



In foam insert, two colours, black/green

Consisting of:

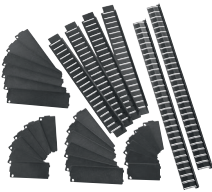
425375.0100 Screwdriver NERIOX for TORX® screws, used on both sides T 10 x 100 mm
425375.0200 Screwdriver NERIOX for TORX® screws, used on both sides T 15 x 100 mm
425375.0300 Screwdriver NERIOX for TORX® screws, used on both sides T 20 x 100 mm
425375.0400 Screwdriver NERIOX for TORX® screws, used on both sides T 25 x 150 mm
425375.0500 Screwdriver NERIOX for TORX® screws, used on both sides T 27 x 150 mm
425375.0600 Screwdriver NERIOX for TORX® screws, used on both sides T 30 x 150 mm
425375.0700 Screwdriver NERIOX for TORX® screws, used on both sides T 40 x 200 mm
425375.0800 Screwdriver NERIOX for TORX® screws, used on both sides T 45 x 200 mm
540354.0200 Screwdriver set module NERIOX With lateral drive for TORX® screws 376 x 395 x 30 mm, empty
Compatible with NERIOX workshop trolleys

Order ID	Length mm	Width mm	Height mm
540354.0100	395	376	30

540467 Accessories for shop caddy NERIOX



Usable with:
540465 Workshop trolley, NERIOX
540466 Workshop trolley NERIOX



540467.0100



540467.0200



540467.0300



540467.0400



540467.0500

Order ID	Designation
540467.0100	30 pieces — partitioning set that can be used to divide an entire drawer as desired and needed, black
540467.0200	Can holder for up to four cans – diameter 70 mm, dimensions (W x D x H): 32.5 x 9.5 x 7.0 cm, black
540467.0300	Universal container – dimensions (W x D x H): 32 x 9 x 12 cm, perforated bottom, black
540467.0400	Waste container, dimensions (W x D x H): 30 x 13.5 x 25 cm, black
540467.0500	Holder for paper roll. Can be mounted on the side of the shop caddy. Dimensions (W x D x H): 32 x 23 x 10 cm. For roll diameters of up to 315 mm, black

540357 Module multi-purpose tool set NERIOX

In foam insert, two colours, black/green

Compatible with NERIOX workshop trolleys

Order ID	Length mm	Width mm	Height mm
540357.0250	395	564	30



540477 Replacement lock cylinder NERIOX



Order ID	Designation
540477.0100	Suitable for shop caddy NERIOX, 540465.0200
540477.0200	Suitable for shop caddy NERIOX, 540466.0100
540477.0300	Suitable for workshop trolleys NERIOX
540477.0400	Suitable for workshop trolleys NERIOX





540362 Locking pliers module NERIOX

In foam insert, two colours, blue/green

Consisting of:

- 444106.0100 Universal gripping pliers NERIOX 175
- 444106.0200 Universal gripping pliers NERIOX 250
- 444156.0100 Long nose gripping pliers NERIOX 170
- 540362.0200 Locking pliers module NERIOX 188 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540362.0100	3	395	188	30
540362.0200	0	395	188	30



540364 Pliers set module NERIOX

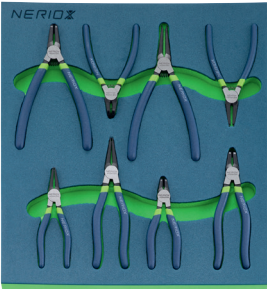
In foam insert, two colours, blue/green

Consisting of:

- 440085.0100 Pliers set NERIOX 4-piece
- 540364.0200 Pliers set module NERIOX 188 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540364.0100	4	395	188	30
540364.0200	0	395	188	30



540366 Circlip pliers module NERIOX

In foam insert, two colours, blue/green

Consisting of:

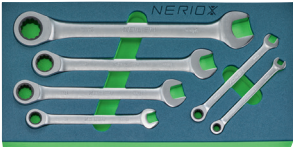
- 445046.0200 Circlip pliers NERIOX for internal rings J1, 12–25 mm
- 445046.0300 Circlip pliers NERIOX for internal rings J2, 19–60 mm
- 445066.0200 Circlip pliers NERIOX for internal rings J11, 12–25 mm
- 445066.0300 Circlip pliers NERIOX for internal rings J21, 19–60 mm
- 445124.0200 Circlip pliers NERIOX For external rings A1, 10–25 mm
- 445124.0300 Circlip pliers NERIOX For external rings A2, 19–60 mm
- 445144.0200 Circlip pliers NERIOX For external rings A11, 10–25 mm
- 445144.0300 Circlip pliers NERIOX For external rings A21, 19–60 mm
- 540366.0200 Circlip pliers module NERIOX 376 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540366.0100	8	395	376	30
540366.0200	0	395	376	30

540368 Combination ratchet wrench set module NERIOX

In foam insert, two colours, blue/green



Consisting of:

- 421525.0200 Combination ratchet wrench NERIOX 8 mm — straight shape
- 421525.0300 Combination ratchet wrench NERIOX 10 mm — straight shape
- 421525.0400 Combination ratchet wrench NERIOX 13 mm — straight shape
- 421525.0500 Combination ratchet wrench NERIOX 17 mm — straight shape
- 421525.0600 Combination ratchet wrench NERIOX 19 mm — straight shape
- 421525.0700 Combination ratchet wrench NERIOX 24 mm — straight shape
- 540368.0200 Combination ratchet wrench module NERIOX 188 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540368.0100	6	395	188	30
540368.0200	0	395	188	30

540370 Combination wrench set module NERIOX

In foam insert, two colours, blue/green



Consisting of:

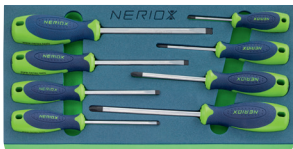
- 420190.0300 Adjustable wrench NERIOX 200 mm
- 421435.0100 Combination wrench NERIOX DIN 3113 B/ISO 3318 6
- 421435.0200 Combination wrench NERIOX DIN 3113 B/ISO 3318 7
- 421435.0300 Combination wrench NERIOX DIN 3113 B/ISO 3318 8
- 421435.0400 Combination wrench NERIOX DIN 3113 B/ISO 3318 9
- 421435.0500 Combination wrench NERIOX DIN 3113 B/ISO 3318 10
- 421435.0600 Combination wrench NERIOX DIN 3113 B/ISO 3318 11
- 421435.0700 Combination wrench NERIOX DIN 3113 B/ISO 3318 12
- 421435.0800 Combination wrench NERIOX DIN 3113 B/ISO 3318 13
- 421435.0900 Combination wrench NERIOX DIN 3113 B/ISO 3318 14
- 421435.1000 Combination wrench NERIOX DIN 3113 B/ISO 3318 15
- 421435.1100 Combination wrench NERIOX DIN 3113 B/ISO 3318 16
- 421435.1200 Combination wrench NERIOX DIN 3113 B/ISO 3318 17
- 421435.1300 Combination wrench NERIOX DIN 3113 B/ISO 3318 18
- 421435.1400 Combination wrench NERIOX DIN 3113 B/ISO 3318 19
- 421435.1500 Combination wrench NERIOX DIN 3113 B/ISO 3318 20
- 421435.1600 Combination wrench NERIOX DIN 3113 B/ISO 3318 21
- 421435.1700 Combination wrench NERIOX DIN 3113 B/ISO 3318 22
- 424405.0250 Angled hex key set NERIOX with ball head 9 pieces, long, 1.5–10 mm
- 540370.0200 Combination wrench set module NERIOX 376 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540370.0100	27	395	376	30
540370.0200	0	395	376	30

540372 Screwdriver set module NERIOX

In foam insert, two colours, blue/green



Consisting of:

- 434363.0400 Screwdriver slot-head NERIOX 4 x 0.8 x 100
- 434363.0500 Screwdriver slot-head NERIOX 5.5 x 1 x 100
- 434363.0600 Screwdriver slot-head NERIOX 6.5 x 1.2 x 125
- 434363.0700 Screwdriver slot-head NERIOX 8 x 1.2 x 150
- 435078.0100 Cross-head screwdriver Phillips NERIOX PH0 x 60
- 435078.0200 Cross-head screwdriver Phillips NERIOX PH1 x 80
- 435078.0300 Cross-head screwdriver Phillips NERIOX PH2 x 100
- 435078.0400 Cross-head screwdriver Phillips NERIOX PH3 x 150
- 540372.0200 Screwdriver module NERIOX 188 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540372.0100	8	395	188	30
540372.0200	0	395	188	30



540374 Screwdriver module for TORX® screws NERIOX

In foam insert, two colours, blue/green

- Consisting of:**
425276.0200 Screwdriver for TORX® screws NERIOX T6 x 60
425276.0300 Screwdriver for TORX® screws NERIOX T7 x 60
425276.0400 Screwdriver for TORX® screws NERIOX T8 x 60
425276.0500 Screwdriver for TORX® screws NERIOX T9 x 60
425276.0600 Screwdriver for TORX® screws NERIOX T10 x 80
425276.0700 Screwdriver for TORX® screws NERIOX T15 x 80
425276.0800 Screwdriver for TORX® screws NERIOX T20 x 100
425276.0900 Screwdriver for TORX® screws NERIOX T25 x 100
425276.1000 Screwdriver for TORX® screws NERIOX T27 x 115
425276.1100 Screwdriver for TORX® screws NERIOX T30 x 115
540374.0200 Screwdriver set module NERIOX For TORX® screws 188 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540374.0100	10	395	188	30



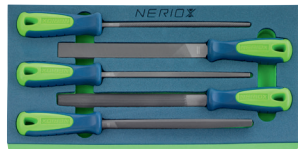
540376 Electronic screwdriver set module NERIOX

In foam insert, two colours, blue/green

- Consisting of:**
437055.0100 Electronic screwdriver set NERIOX 7 parts, 1.6...3.0 mm, PH00/0/1
437060.0100 Electronic screwdriver set NERIOX 7 parts, T5...T15
540376.0200 Electronic screwdriver set module 188 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540376.0100	14	395	188	30
540376.0200	0	395	188	30



540378 Engineer's files module NERIOX

In foam insert, two colours, blue/green

- Consisting of:**
318650.0100 Flat hand file NERIOX with 2-component-handle 8"/200 mm Cut 2 second cut
318655.0100 Half-round file NERIOX with 2-component-handle 8"/200 mm Cut 2 second cut
318660.0100 Three square file NERIOX with 2-component-handle 8"/200 mm Cut 2 second cut
318665.0100 Square file NERIOX with 2-component-handle 8"/200 mm Cut 2 second cut
318670.0100 Round file NERIOX with 2-component-handle 8"/200 mm Cut 2 second cut
540378.0200 Engineer's files module 188 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540378.0100	5	395	188	30

540382 Hex socket wrench set module 1/2 inch NERIOX

In foam insert, two colours, blue/green



Consisting of:

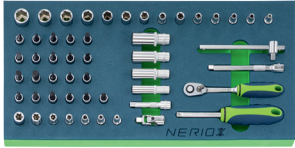
- 429015.0100 Hex socket 1/2" NERIOX 8 mm
- 429015.0200 Hex socket 1/2" NERIOX 9 mm
- 429015.0300 Hex socket 1/2" NERIOX 10 mm
- 429015.0400 Hex socket 1/2" NERIOX 11 mm
- 429015.0500 Hex socket 1/2" NERIOX 12 mm
- 429015.0600 Hex socket 1/2" NERIOX 13 mm
- 429015.0700 Hex socket 1/2" NERIOX 14 mm
- 429015.0800 Hex socket 1/2" NERIOX 15 mm
- 429015.0900 Hex socket 1/2" NERIOX 16 mm
- 429015.1000 Hex socket 1/2" NERIOX 17 mm
- 429015.1100 Hex socket 1/2" NERIOX 18 mm
- 429015.1200 Hex socket 1/2" NERIOX 19 mm
- 429015.1400 Hex socket 1/2" NERIOX 21 mm
- 429015.1500 Hex socket 1/2" NERIOX 22 mm
- 429015.1700 Hex socket 1/2" NERIOX 24 mm
- 429015.1900 Hex socket 1/2" NERIOX 27 mm
- 429015.2100 Hex socket 1/2" NERIOX 30 mm
- 429015.2200 Hex socket 1/2" NERIOX 32 mm
- 429015.2300 Hex socket 1/2" NERIOX 34 mm
- 429465.0100 Reversible ratchet NERIOX 1/2" - 250 mm
- 429475.0100 Sliding T-handle NERIOX 1/2" - 300 mm
- 429580.0100 Extension NERIOX 1/2" - 75 mm
- 429580.0200 Extension NERIOX 1/2" - 125 mm
- 429580.0300 Extension NERIOX 1/2" - 250 mm
- 429670.0100 Universal joint NERIOX 1/2" - 78 mm
- 540382.0200 Hexagon socket wrench set module 1/2" NERIOX 188 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540382.0100	25	395	188	30

540384 Hex socket wrench set module 1/4-inch NERIOX

In foam insert, two colours, blue/green



Consisting of:

- 426350 Hex socket NERIOX
- 426355 Hex socket NERIOX
- 426475 Socket wrench bit for TORX® screws NERIOX
- 426485 Hexagon insert bit NERIOX
- 426505 Bit for TORX® screws NERIOX
- 426540 Slotted bit NERIOX
- 426545 Phillips bit NERIOX
- 426550 Pozidriv bit NERIOX
- 426685 Reversible ratchet NERIOX
- 426705 Sliding T-handle NERIOX
- 426735 Spin type speeder NERIOX
- 426825 Extension NERIOX
- 426890 Universal joint NERIOX
- 540384 Hex socket wrench set module 1/4-inch NERIOX

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540384.0100	52	395	188	30
540384.0200	0	395	188	30



540386 Workshop kit module NERIOX

In foam insert, two colours, blue/green



Consisting of:

- 110856.0200 Caliper gauge NERIOX Fixing screw on top 200 / 0.05
- 158681.0200 Steel rule INOX NERIOX upper 1/1 mm, lower 1/1 mm 150 x 13 (1/1 - 1/1)
- 158681.0400 Steel rule INOX NERIOX upper 1/1 mm, lower 1/1 mm 300 x 15 (1/1 - 1/1)
- 162161.0100 Feeler gauge NERIOX INOX with 20 blades 0.05...1.00
- 448742.0100 Precision tweezers NERIOX 120
- 455962.0100 Paper scissors NERIOX 125 mm
- 457210.0100 Universal knife NERIOX Blade width 18 mm / length 155 mm
- 457250.0100 Universal scraper NERIOX 100 mm
- 531005.0100 Safety glasses NERIOX Vogue
- 540386.0200 Workshop kit module NERIOX 188 x 395 x 30 mm, empty
- 561195.0100 LED Torch NERIOX 30 lm / Ø 14.5 x 105 mm

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540386.0100	10	395	188	30



540388 Hex screwdriver set module with lateral drive NERIOX

In foam insert, two colours, blue/green



Consisting of:

- 425085.0100 Hex screwdriver NERIOX Can be used on both sides 2 x 100 mm
- 425085.0200 Hex screwdriver NERIOX Can be used on both sides 2.5 x 100 mm
- 425085.0300 Hex screwdriver NERIOX Can be used on both sides 3 x 100 mm
- 425085.0400 Hex screwdriver NERIOX Can be used on both sides 4 x 150 mm
- 425085.0500 Hex screwdriver NERIOX Can be used on both sides 5 x 150 mm
- 425085.0600 Hex screwdriver NERIOX Can be used on both sides 6 x 150 mm
- 425085.0700 Hex screwdriver NERIOX Can be used on both sides 8 x 200 mm
- 425085.0800 Hex screwdriver NERIOX Can be used on both sides 10 x 200 mm
- 540388.0200 Hex screwdriver set module NERIOX With lateral drive 376 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540388.0100	8	395	376	30
540388.0200	0	395	376	30



540390 Screwdriver set module with lateral drive for TORX® screws NERIOX

In foam insert, two colours, blue/green



Consisting of:

- 425375.0100 Screwdriver NERIOX for TORX® screws, used on both sides T 10 x 100 mm
- 425375.0200 Screwdriver NERIOX for TORX® screws, used on both sides T 15 x 100 mm
- 425375.0300 Screwdriver NERIOX for TORX® screws, used on both sides T 20 x 100 mm
- 425375.0400 Screwdriver NERIOX for TORX® screws, used on both sides T 25 x 150 mm
- 425375.0500 Screwdriver NERIOX for TORX® screws, used on both sides T 27 x 150 mm
- 425375.0600 Screwdriver NERIOX for TORX® screws, used on both sides T 30 x 150 mm
- 425375.0700 Screwdriver NERIOX for TORX® screws, used on both sides T 40 x 200 mm
- 425375.0800 Screwdriver NERIOX for TORX® screws, used on both sides T 45 x 200 mm
- 540390.0200 Screwdriver set module NERIOX With lateral drive for TORX® screws 376 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540390.0100	8	395	376	30
540390.0200	0	395	376	30

540392 Chip set module NERIOX

In foam insert, two colours, blue/green

Consisting of:

- 264471.0100 NERIOX Hand tap set DIN 352 M3 - M12
- 272040.0100 RUKO Tool holder with ratchet Gr.1 M3-M10
- 272040.0200 RUKO Tool holder with ratchet Size 2 M5-M12
- 419524.0100 Bar clamp NERIOX 120 x 50
- 437645.0100 Bit set NERIOX 32-piece
- 540392.0200 Chip set module NERIOX 376 x 395 x 30 mm, empty
- 692391.0100 Twist drill set NERIOX 1...10 mm / 19 pieces

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540392.0100	82	395	376	30

NERIOX



540394 Locksmith's set module NERIOX

In foam insert, two colours, blue/green

Consisting of:

- 139271.0100 Angular scribe NERIOX Total length 180 mm 180
- 139606.0300 Metalworker's scribe gauge NERIOX 300 / 1
- 140471.1200 Metalworker's try square NERIOX 150 x 100
- 140711.0300 Bevelled precision square NERIOX INOX DIN 875/00 100 x 70
- 452022.0300 Cross pein hammer NERIOX 300
- 540394.0200 Locksmith's set module NERIOX 188 x 395 x 30 mm, empty

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Width mm	Height mm
540394.0100	5	395	188	30

NERIOX



540396 Module multi-purpose tool set NERIOX

In foam insert, two colours, blue/green

Consisting of:

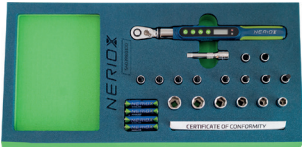
- 109322.0100 Caliper gauge digital NERIOX depth gauge rectangular 150 mm / 0.01
- 155050.0400 Batterie alkaline ENERGIZER LR03 / 1.5 V (Micro / AAA)
- 155050.1400 Batterie lithium ENERGIZER CR2032 / 3.0 V
- 158901.0200 Wooden folding rule NERIOX 2 m, nature
- 159630.0100 Measuring tape NERIOX tape width 16 mm 3 m
- 318650.0100 Flat hand file NERIOX with 2-component-handle 8"/200 mm Cut 2 second cut
- 318655.0100 Half-round file NERIOX with 2-component-handle 8"/200 mm Cut 2 second cut
- 418400.0200 Flexible inspection mirror NERIOX Ø 30 mm, non-magnifying
- 418440.0100 Telescopic magnetic pick-up tool NERIOX 500 g, 150-655 mm, with scribing needle
- 437055.0100 Electronic screwdriver set NERIOX 7 parts, 1.6...3.0 mm, PH00/0/1
- 437655.0100 Bit set NERIOX 113-piece
- 452022.0300 Cross pein hammer NERIOX 300
- 455910.0100 Universal cutters NERIOX 180 mm
- 457210.0100 Universal knife NERIOX Blade width 18 mm / length 155 mm
- 540396.0200 Module multi-purpose tool set NERIOX 564 x 395 x 30 mm, empty
- 561195.0100 LED Torch NERIOX 30 lm / Ø 14.5 x 105 mm
- 692391.0100 Twist drill set NERIOX 1...10 mm / 19 pieces

Compatible with NERIOX workshop trolleys

Order ID	Parts	Length mm	Height mm
540396.0100	149	395	30
540396.0200	0	395	30

NERIOX





540398 Torque wrench module NERIOX

In foam insert, two colours, blue/green

- Consisting of:
- 155055.0500 Batterie NERIOX alkaline Pack of 4 4x / LR03 / 1.5 V (Micro / AAA)
 - 426350.0800 Hex socket 1/4" NERIOX 8 mm
 - 426350.0900 Hex socket 1/4" NERIOX 9 mm
 - 426350.1000 Hex socket 1/4" NERIOX 10 mm
 - 426350.1100 Hex socket 1/4" NERIOX 11 mm
 - 426350.1200 Hex socket 1/4" NERIOX 12 mm
 - 426350.1300 Hex socket 1/4" NERIOX 13 mm
 - 426485.0100 Hexagon insert bit 1/4" NERIOX 3 x 32 mm
 - 426485.0300 Hexagon insert bit 1/4" NERIOX 4 x 32 mm
 - 426485.0500 Hexagon insert bit 1/4" NERIOX 5 x 32 mm
 - 426485.0700 Hexagon insert bit 1/4" NERIOX 6 x 32 mm
 - 426505.0400 Bit 1/4" NERIOX for TORX® screws T15
 - 426505.0500 Bit 1/4" NERIOX for TORX® screws T20
 - 426505.0600 Bit 1/4" NERIOX for TORX® screws T25
 - 426505.0800 Bit 1/4" NERIOX for TORX® screws T30
 - 426545.0100 Phillips bit 1/4" NERIOX PH1
 - 426545.0200 Phillips bit 1/4" NERIOX PH2
 - 426825.0100 Extension NERIOX 1/4" - 50 mm
 - 431690.0100 Digital torque wrench NERIOX 1/4", 1...20 Nm
 - 540398.0200 Torque wrench module NERIOX 188 x 395 x 30 mm, empty

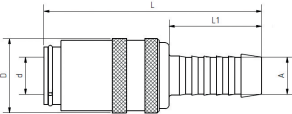
Compatible with NERIOX workshop trolleys

Order ID	Torque range Nm	Parts	Length mm	Width mm	Height mm
540398.0100	4...20	19	395	188	30

NERIOX

Standard Parts

Tempering	218–253
Tubes	254
Vibration Technology	255–268



820000 Quick release couplings NERIOX form H

straight without valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839435 Double nipple for form H coupling Stepped, without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

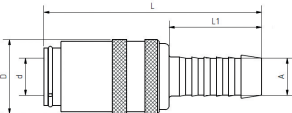
839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820000.0100	9	9	6	18	53	22.5
820000.0200	13	13	9	23.5	61.5	25
820000.0300	19	19	13	32.5	92	34



820001 Quick release couplings NERIOX form H

straight with valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820001.0100	9	9	6	18	53	22.5
820001.0200	13	13	9	23.5	61.5	25
820001.0300	19	19	13	32.5	92	34

820002 Quick release couplings NERIOX form H

45° without valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839435 Double nipple for form H coupling Stepped, without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820002.0100	9	9	6	18	42.5	22.5
820002.0200	13	13	9	23.5	51	25
820002.0300	19	19	13	32.5	78	34

NERIOX



820003 Quick release couplings NERIOX form H

45° with valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

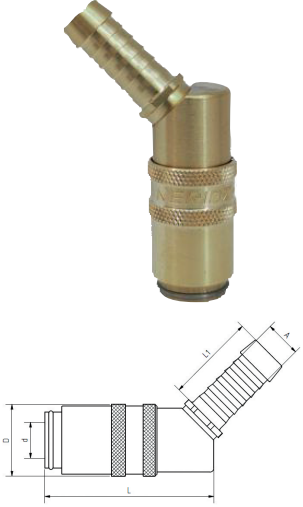
839556 Manifold 1-1/2"

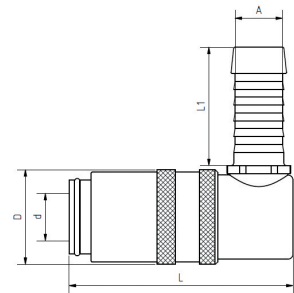
839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820003.0100	9	9	6	18	42.5	22.5
820003.0200	13	13	9	23.5	51	25
820003.0300	19	19	13	32.5	78	34

NERIOX





820004 Quick release couplings NERIOX form H

90° without valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839435 Double nipple for form H coupling Stepped, without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

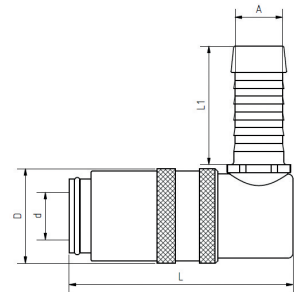
839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820004.0100	9	9	6	18	42.5	22.5
820004.0200	13	13	9	23.5	51	25
820004.0300	19	19	13	32.5	78	34



820005 Quick release couplings NERIOX form H

90° with valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820005.0100	9	9	6	18	42.5	22.5
820005.0200	13	13	9	23.5	51	25
820005.0300	19	19	13	32.5	78	34

820006 Quick release couplings NERIOX form H

straight with external thread without valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839435 Double nipple for form H coupling Stepped, without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

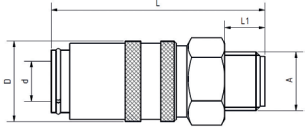
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820006.0100	9	M14x1.5	6	18	48	9
820006.0200	9	G1/4"	6	18	48	9
820006.0300	9	G3/8"	6	18	48	9
820006.0400	13	M16x1.5	9	23.5	52	9
820006.0500	13	G1/4"	9	23.5	52	9
820006.0600	13	G3/8"	9	23.5	52	9
820006.0700	13	G1/2"	9	23.5	53	10
820006.0800	19	G1/2"	13	32.5	74	12
820006.0900	19	G3/4"	13	32.5	78	16

NERIOX



820007 Quick release couplings NERIOX form H

straight with external thread and valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

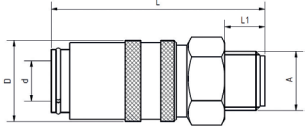
839556 Manifold 1-1/2"

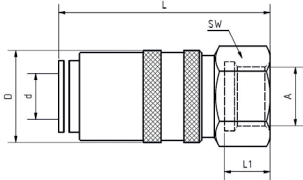
839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820007.0100	9	M14x1.5	6	18	48	9
820007.0200	9	G1/4"	6	18	48	9
820007.0300	9	G3/8"	6	18	48	9
820007.0400	13	M16x1.5	9	23.5	52	9
820007.0500	13	G1/4"	9	23.5	52	9
820007.0600	13	G3/8"	9	23.5	52	9
820007.0700	13	G1/2"	9	23.5	53	10
820007.0800	19	G1/2"	13	32.5	74	12
820007.0900	19	G3/4"	13	32.5	78	16

NERIOX





820008 Quick release couplings NERIOX form H

straight with internal thread without valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

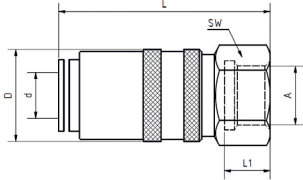
839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820008.0100	9	G1/4"	6	18	41.5	9
820008.0200	9	G3/8"	6	18	42	9
820008.0300	13	G1/4"	9	23.5	44.5	9
820008.0400	13	G3/8"	9	23.5	46	9
820008.0500	13	M16x1.5	9	23.5	46	9



820009 Quick release couplings NERIOX form H

straight with internal thread and valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820009.0100	9	G1/4"	6	18	41.5	9
820009.0200	9	G3/8"	6	18	42	9
820009.0300	13	G1/4"	9	23.5	44.5	9
820009.0400	13	G3/8"	9	23.5	46	9
820009.0500	13	M16x1.5	9	23.5	46	9

820010 Quick release couplings NERIOX form H

45° with external thread without valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

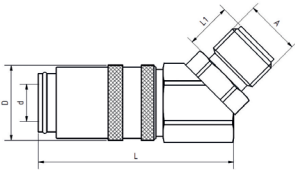
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820010.0100	9	M14x1.5	6	18	47	9
820010.0200	9	G1/4"	6	18	47	9
820010.0300	13	M16x1.5	9	23.5	54	9

NERIOX



820011 Quick release couplings NERIOX form H

45° with external thread with valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

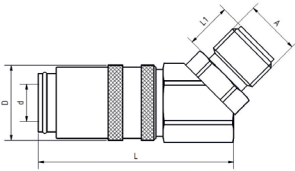
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820011.0100	9	M14x1.5	6	18	47	9
820011.0200	9	G1/4"	6	18	47	9
820011.0300	13	M16x1.5	9	23.5	54	9

NERIOX





820012 Quick release couplings NERIOX form H

90° with external thread without valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

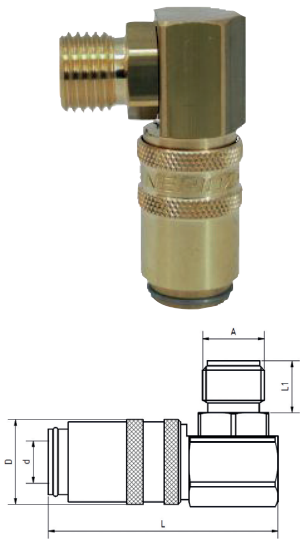
839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820012.0100	9	M14x1.5	6	18	47	9
820012.0200	9	G1/4"	6	18	47	9
820012.0300	13	M16x1.5	9	23.5	54	9



820013 Quick release couplings NERIOX form H

90° with external thread with valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820013.0100	9	M14x1.5	6	18	47	9
820013.0200	9	G1/4"	6	18	47	9
820013.0300	13	M16x1.5	9	23.5	54	9

820014 Quick release couplings NERIOX form H

short, straight with external thread with valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.3541

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

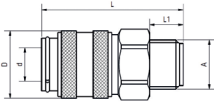
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820014.0100	9	G1/4"	6	18	38	9
820014.0200	13	G3/8"	9	23.5	38	9

NERIOX



Produkt
820014

820021 Quick release couplings NERIOX form D

straight without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

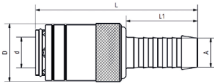
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

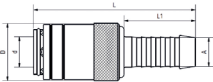
839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820021.0100	9.4	6	5	18	22.5	51
820021.0200	9.4	9	6	18	22.5	51
820021.0300	13.5	9	7	24	22.5	62
820021.0400	13.5	13	9	24	25	64.5
820021.0500	19.5	19	16	33	34	89

NERIOX



Produkte
820021/820022



Produkte
820021-820022

820022 Quick release couplings NERIOX form D

straight with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839505 Connection nipple for coupling D type, with valve

839515 Extension nipple for coupling

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

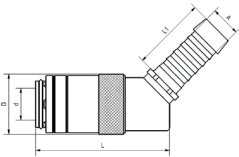
839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820022.0100	9.4	6	5	18	22.5	51
820022.0200	9.4	9	6	18	22.5	51
820022.0300	13.5	9	7	24	22.5	62
820022.0400	13.5	13	9	24	25	64.5
820022.0500	19.5	19	16	33	34	89



Produkte
820023-820024

820023 Quick release couplings NERIOX form D

45° without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820023.0100	9.4	6	5	18	25.5	40.5
820023.0200	9.4	9	6	18	22.5	40.5
820023.0300	13.5	9	7	24	22.5	53.5
820023.0400	13.5	13	9	24	25	53.5
820023.0500	19.5	19	16	33	35.5	75

820024 Quick release couplings NERIOX form D

45° with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839505 Connection nipple for coupling D type, with valve

839515 Extension nipple for coupling

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820024.0100	9.4	6	5	18	25.5	40.5
820024.0200	9.4	9	6	18	22.5	40.5
820024.0300	13.5	9	7	24	22.5	53.5
820024.0400	13.5	13	9	24	25	53.5
820024.0500	19.5	19	16	33	35.5	75

NERIOX



Produkte
820023/820024

820025 Quick release couplings NERIOX form D

90° without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

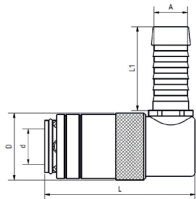
839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820025.0100	9.4	6	5	18	25.5	40.5
820025.0200	9.4	9	6	18	22.5	40.5
820025.0300	13.5	9	7	24	22.5	53.5
820025.0400	13.5	13	9	24	25	53.5
820025.0500	19.5	19	16	33	32.8	75

NERIOX



Produkte
820025/820026



Produkte
820026/820026

820026 Quick release couplings NERIOX form D

90° with valve
ISO 228 / DIN 13
Material
Connection pieces, valve body, valve: brass MS 58 bright
Release sleeve: Brass MS 58 bright or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: FKM

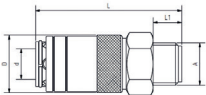
The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

- 839485 Connection nipple for coupling D type, without valve
- 839505 Connection nipple for coupling D type, with valve
- 839515 Extension nipple for coupling
- 839525 Connection nipple for coupling D type, with inside thread
- 839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
- 839554 Manifold 1"
- 839556 Manifold 1-1/2"
- 839558 Manifold INOX
- 839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401
- 839630 Plug-in bushing for coupling D type
- 839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820026.0100	9.4	6	5	18	25.5	40.5
820026.0200	9.4	9	6	18	22.5	40.5
820026.0300	13.5	9	7	24	22.5	53.5
820026.0400	13.5	13	9	24	25	53.5
820026.0500	19.5	19	16	33	32.8	75



Produkte
820027/820028

820027 Quick release couplings NERIOX form D

straight with external thread without valve
ISO 228 / DIN 13
Material
Connection pieces, valve body, valve: brass MS 58 bright
Release sleeve: Brass MS 58 bright or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

- 839485 Connection nipple for coupling D type, without valve
- 839510 Extension nipple for coupling D type, with thread, without valve
- 839515 Extension nipple for coupling
- 839520 Connection nipple for coupling D type, 90°, without valve
- 839525 Connection nipple for coupling D type, with inside thread
- 839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
- 839554 Manifold 1"
- 839556 Manifold 1-1/2"
- 839558 Manifold INOX
- 839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401
- 839630 Plug-in bushing for coupling D type
- 839990 Protective cap For connection nipples

Order ID	d mm	A	S mm	D mm	L1 mm	L mm
820027.0100	9.4	G1/4"	6	18	13	50
820027.0200	9.4	G3/8"	6	18	13	50
820027.0300	13.5	G1/4"	9	24	9	55
820027.0400	13.5	G3/8"	9	24	11	55
820027.0500	13.5	G1/2"	9	24	12	56
820027.0600	19.9	G1/2"	16	33	12	71
820027.0700	19.9	G3/4"	16	33	16	75

820028 Quick release couplings NERIOX form D

straight with external thread and valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839505 Connection nipple for coupling D type, with valve

839515 Extension nipple for coupling

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

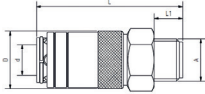
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A	S mm	D mm	L1 mm	L mm
820028.0100	9.4	G1/4"	6	18	13	50
820028.0200	9.4	G3/8"	6	18	9	46
820028.0300	13.5	G1/4"	9	24	9	55
820028.0400	13.5	G3/8"	9	24	11	55
820028.0500	13.5	G1/2"	9	24	12	56
820028.0600	19.9	G1/2"	16	33	12	71
820028.0700	19.9	G3/4"	16	33	16	75

NERIOX



Produkte
820027/820028

820029 Quick release couplings NERIOX form D

straight with internal thread without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

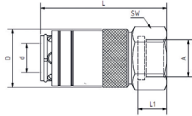
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

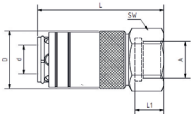
839990 Protective cap For connection nipples

Order ID	d mm	A	S mm	D mm	L1 mm	L mm
820029.0100	9.4	G1/8"	6	18	9	40
820029.0200	9.4	G1/4"	6	18	9	40
820029.0300	9.4	G3/8"	6	18	9	40
820029.0400	13.5	G1/4"	9	24	9	47.5
820029.0500	13.5	G3/8"	9	24	9	49

NERIOX



Produkte
820028/820030



Produkte
820028/820030

820030 Quick release couplings NERIOX form D

straight with internal thread and valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839505 Connection nipple for coupling D type, with valve

839515 Extension nipple for coupling

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

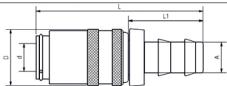
839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A	S mm	D mm	L1 mm	L mm
820030.0100	9.4	G1/8"	6	18	9	40
820030.0200	9.4	G1/4"	6	18	9	40
820030.0300	9.4	G3/8"	6	18	9	40
820030.0400	13.5	G1/4"	9	24	9	47.5
820030.0500	13.5	G3/8"	9	24	9	49



Produkte
820015/820016

820015 Quick release couplings NERIOX form H

Push-Lock straight without valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820015.0100	9	10	6	18	54.2	24.2
820015.0200	13	13	9	23.5	64.5	28

820016 Quick release couplings NERIOX form H

Push-Lock straight with valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

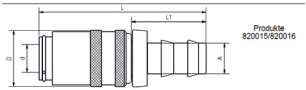
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820016.0100	9	10	6	18	54.2	24.2
820016.0200	13	13	9	23.5	64.5	28

NERIOX



Produkte
820016/820016

820017 Quick release couplings NERIOX form H

Push-Lock 45° without valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

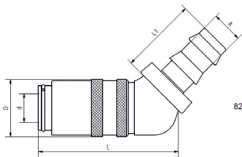
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820017.0100	9	10	6	18	44	24.2
820017.0200	13	13	9	23.5	51	28

NERIOX



Produkte
820017/820018



820018 Quick release couplings NERIOX form H

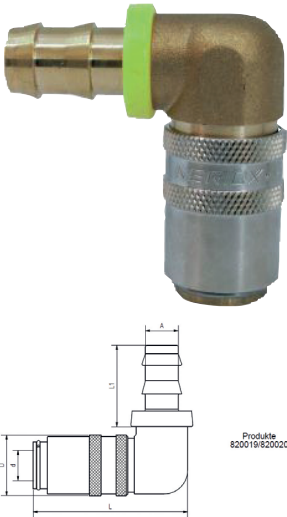
Push-Lock 45° with valve
ISO 228 / DIN 13 / DIN 158
Material
Connection pieces, valve body, valve: brass MS 58 bright
Release sleeve: Brass MS 58 bright or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: FKM
Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water
Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

- Appropriate accessories:**
839405 Connection nipple for coupling H type, with valve
839470 Connection nipple for coupling H type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820018.0100	9	10	6	18	44	24.2
820018.0200	13	13	9	23.5	51	28



820019 Quick release couplings NERIOX form H

Push-Lock 90° without valve
ISO 228 / DIN 13 / DIN 158
Material
Connection pieces, valve body, valve: brass MS 58 bright
Release sleeve: Brass MS 58 bright or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: FKM
Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water
Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

- Appropriate accessories:**
839385 Connection nipple for coupling Form H, without valve
839425 Connection nipple for coupling H type, 90° without valve
839430 Double nipple for form H coupling Without valve
839445 Extension nipple for coupling H type, with thread, without valve
839465 Extension nipple for coupling H type, without thread, without valve
839470 Connection nipple for coupling H type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820019.0100	9	10	6	18	46	24.2
820019.0200	13	13	9	23.5	53.5	28

820020 Quick release couplings NERIOX form H

Push-Lock 90° with valve

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

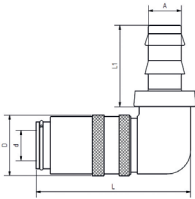
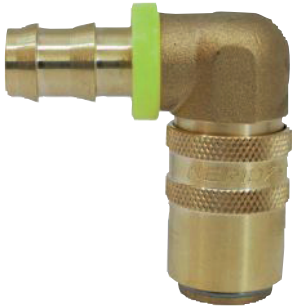
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820020.0100	9	10	6	18	46	24.2
820020.0200	13	13	9	23.5	53.5	28

NERIOX



Produkte
820019/820020

820031 Quick release couplings NERIOX form D

Push-Lock straight without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

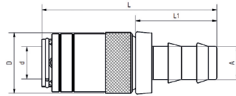
839630 Plug-in bushing for coupling D type

839637 Plug-in bushing for coupling Push Lock D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820031.0100	9.4	10	6	18	28	56.5
820031.0200	13.5	13	9	24	28	64.5

NERIOX



Produkte
820031/820032



820032 Quick release couplings NERIOX form D

Push-Lock straight with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:

839505 Connection nipple for coupling D type, with valve

839515 Extension nipple for coupling

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

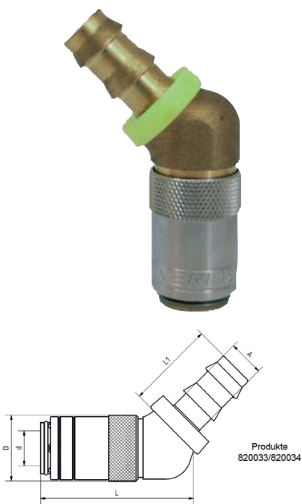
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839637 Plug-in bushing for coupling Push Lock D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820032.0100	9.4	10	6	18	28	56.5
820032.0200	13.5	13	9	24	28	64.5



820033 Quick release couplings NERIOX form D

Push-Lock 45° without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839637 Plug-in bushing for coupling Push Lock D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820033.0100	9.4	10	6	18	28	40.5
820033.0200	13.5	13	9	24	28	51

820034 Quick release couplings NERIOX form D

Push-Lock 45° with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:

839505 Connection nipple for coupling D type, with valve

839515 Extension nipple for coupling

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

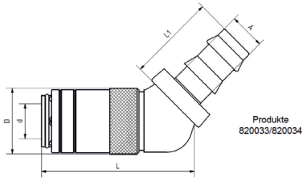
839630 Plug-in bushing for coupling D type

839637 Plug-in bushing for coupling Push Lock D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820034.0100	9.4	10	6	18	28	40.5
820034.0200	13.5	13	9	24	28	51

NERIOX



820035 Quick release couplings NERIOX form D

Push-Lock 90° without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 bright

Release sleeve: Brass MS 58 bright or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

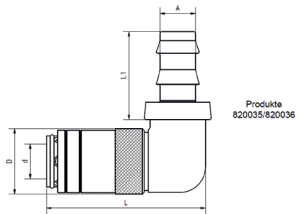
839630 Plug-in bushing for coupling D type

839637 Plug-in bushing for coupling Push Lock D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820035.0100	9.4	10	6	18	28	40.5
820035.0200	13.5	13	9	24	28	51

NERIOX





820036 Quick release couplings NERIOX form D

Push-Lock 90° with valve
ISO 228 / DIN 13
Material
Connection pieces, valve body, valve: brass MS 58 bright
Release sleeve: Brass MS 58 bright or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: FKM

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water
Safety note: Use quick-fit hose nozzles only in connection with suitable quick-fit hoses and up to a maximum of +100°C!

Appropriate accessories:
839505 Connection nipple for coupling D type, with valve
839515 Extension nipple for coupling
839525 Connection nipple for coupling D type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401
839630 Plug-in bushing for coupling D type
839637 Plug-in bushing for coupling Push Lock D type
839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820036.0100	9.4	10	6	18	28	40.5
820036.0200	13.5	13	9	24	30	51



820037 Safety quick couplings NERIOX form H

TempSecure straight without valve
ISO 228 / DIN 13
Material
Connection pieces, valve body, valve: brass MS 58 blank
Release sleeve: heavy-duty special brass blank or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: High performance FKM
Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:
839385 Connection nipple for coupling Form H, without valve
839425 Connection nipple for coupling H type, 90° without valve
839430 Double nipple for form H coupling Without valve
839445 Extension nipple for coupling H type, with thread, without valve
839465 Extension nipple for coupling H type, without thread, without valve
839470 Connection nipple for coupling H type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820037.0100	9	9	6	18	61	22.5
820037.0200	13	13	9	23.5	63	25

820038 Safety quick couplings NERIOX form H

TempSecure straight with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

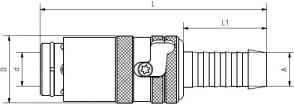
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820038.0100	9	9	6	18	61	22.5
820038.0200	13	13	9	23.5	63	25

NERIOX



820039 Safety quick couplings NERIOX form H

TempSecure 45° without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

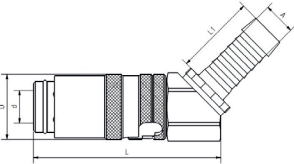
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820039.0100	9	9	6	18	54	22.5
820039.0200	13	13	9	23.5	55	25

NERIOX





820040 Safety quick couplings NERIOX form H

TempSecure 45° with valve
ISO 228 / DIN 13
Material
Connection pieces, valve body, valve: brass MS 58 blank
Release sleeve: heavy-duty special brass blank or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: High performance FKM
Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:
839405 Connection nipple for coupling H type, with valve
839470 Connection nipple for coupling H type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820040.0100	9	9	6	18	54	22.5
820040.0200	13	13	9	23.5	55	25



820041 Safety quick couplings NERIOX form H

TempSecure 90° without valve
ISO 228 / DIN 13
Material
Connection pieces, valve body, valve: brass MS 58 blank
Release sleeve: heavy-duty special brass blank or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: High performance FKM
Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:
839385 Connection nipple for coupling Form H, without valve
839425 Connection nipple for coupling H type, 90° without valve
839430 Double nipple for form H coupling Without valve
839445 Extension nipple for coupling H type, with thread, without valve
839465 Extension nipple for coupling H type, without thread, without valve
839470 Connection nipple for coupling H type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820041.0100	9	9	6	18	56	22.5
820041.0200	13	13	9	23.5	55	25

820042 Safety quick couplings NERIOX form H

TempSecure 90° with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

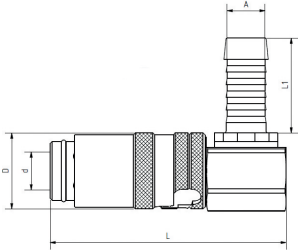
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A mm	S mm	D mm	L mm	L1 mm
820042.0100	9	9	6	18	56	22.5
820042.0200	13	13	9	23.5	55	25

NERIOX



820043 Safety quick couplings NERIOX form H

TempSecure straight with external thread without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

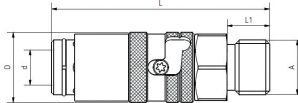
839556 Manifold 1-1/2"

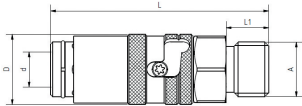
839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820043.0100	9	M14x1.5	6	18	56.5	11
820043.0200	9	G1/4"	6	18	56.5	11
820043.0300	9	G3/8"	6	18	56.5	11
820043.0400	13	M16x1.5	9	23.5	56	12.5
820043.0500	13	G1/4"	9	23.5	56	12.5
820043.0600	13	G3/8"	9	23.5	56	12.5
820043.0700	13	G1/2"	9	23.5	56	12

NERIOX





820044 Safety quick couplings NERIOX form H

TempSecure straight with external thread with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839405 Connection nipple for coupling H type, with valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

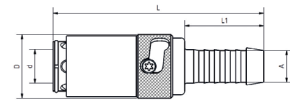
839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	A	S mm	D mm	L mm	L1 mm
820044.0100	9	M14x1.5	6	18	56.5	11
820044.0200	9	G1/4"	6	18	56.5	11
820044.0300	9	G3/8"	6	18	56.5	11
820044.0400	13	M16x1.5	9	23.5	56	12.5
820044.0500	13	G1/4"	9	23.5	56	12.5
820044.0600	13	G3/8"	9	23.5	56	12.5
820044.0700	13	G1/2"	9	23.5	56	12



Produkte
820045/820046

820045 Safety quick couplings NERIOX form D

TempSecure straight without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820045.0100	9.4	9	6	18	22.5	60
820045.0200	13.5	9	6	24	22.5	62
820045.0300	13.5	13	9	24	25	64.5

820046 Safety quick couplings NERIOX form D

TempSecure straight with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839505 Connection nipple for coupling D type, with valve

839515 Extension nipple for coupling

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820046.0100	9.4	9	6	18	22.5	60
820046.0200	13.5	9	6	24	22.5	62
820046.0300	13.5	13	9	24	25	64.5

NERIOX



820047 Safety quick couplings NERIOX form D

TempSecure 45° without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

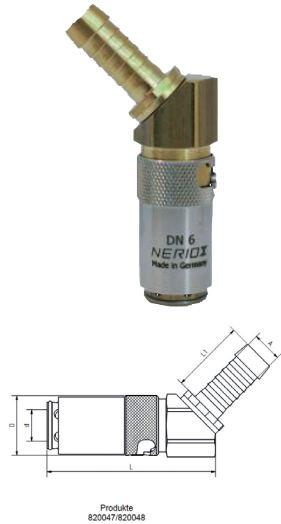
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

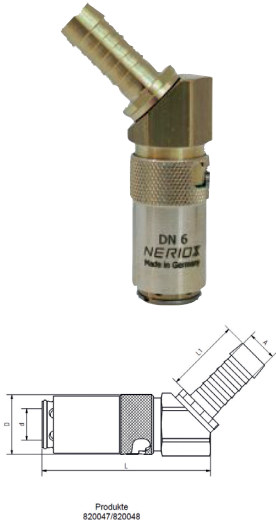
839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820047.0100	9.4	9	6	18	22.5	51
820047.0200	13.5	9	6	24	22.5	57
820047.0300	13.5	13	9	24	25	57

NERIOX





820048 Safety quick couplings NERIOX form D

TempSecure 45° with valve
ISO 228 / DIN 13
Material
Connection pieces, valve body, valve: brass MS 58 blank
Release sleeve: heavy-duty special brass blank or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: High performance FKM
Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:
839505 Connection nipple for coupling D type, with valve
839515 Extension nipple for coupling
839525 Connection nipple for coupling D type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401
839630 Plug-in bushing for coupling D type
839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820048.0100	9.4	9	6	18	22.5	51
820048.0200	13.5	9	6	24	22.5	57
820048.0300	13.5	13	9	24	25	57



820049 Safety quick couplings NERIOX form D

TempSecure 90° without valve
ISO 228 / DIN 13
Material
Connection pieces, valve body, valve: brass MS 58 blank
Release sleeve: heavy-duty special brass blank or nickel-plated
Balls: stainless steel 1.4034
Springs/snap ring: stainless steel 1.4310
Seals: High performance FKM
Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar
Minimum operating temperature: -20°C
Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:
839485 Connection nipple for coupling D type, without valve
839510 Extension nipple for coupling D type, with thread, without valve
839515 Extension nipple for coupling
839520 Connection nipple for coupling D type, 90°, without valve
839525 Connection nipple for coupling D type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401
839630 Plug-in bushing for coupling D type
839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820049.0100	9.4	9	6	18	22.5	55
820049.0200	13.5	9	6	24	22.5	57
820049.0300	13.5	13	9	24	25	57

820050 Safety quick couplings NERIOX form D

TempSecure 90° with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839505 Connection nipple for coupling D type, with valve

839515 Extension nipple for coupling

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

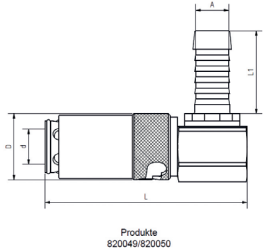
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820050.0100	9.4	9	6	18	22.5	55
820050.0200	13.5	9	6	24	22.5	57
820050.0300	13.5	13	9	24	25	57

NERIOX



820051 Safety quick couplings NERIOX form D

TempSecure straight with external thread without valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

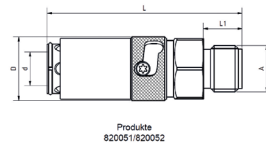
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

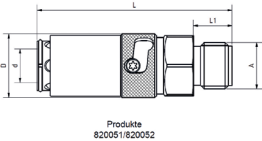
839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	A mm	S mm	D mm	L1 mm	L mm
820051.0100	9.4	G1/4"	6	18	11	55.5
820051.0200	9.4	G3/8"	6	18	11	55.5
820051.0300	13.5	G1/4"	9	24	11	57.5
820051.0400	13.5	G3/8"	9	24	12.5	57.5
820051.0500	13.5	G1/2"	9	24	12	57.5

NERIOX





820052 Safety quick couplings NERIOX form D

TempSecure straight with external thread with valve

ISO 228 / DIN 13

Material

Connection pieces, valve body, valve: brass MS 58 blank

Release sleeve: heavy-duty special brass blank or nickel-plated

Balls: stainless steel 1.4034

Springs/snap ring: stainless steel 1.4310

Seals: High performance FKM

Special seals: EPDM, FFKM on request

The quick connect coupling NERIOX offers the highest standard of temperature control for hot, cold water and heat transfer oil applications.

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839505 Connection nipple for coupling D type, with valve

839515 Extension nipple for coupling

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

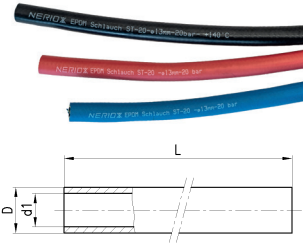
839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d	A	S	D	L1	L
	mm		mm	mm	mm	mm
820052.0100	9.4	G1/4"	6	18	11	55.5
820052.0200	9.4	G3/8"	6	18	11	55.5
820052.0300	13.5	G1/4"	9	24	11	57.5
820052.0400	13.5	G3/8"	9	24	12.5	57.5
820052.0500	13.5	G1/2"	9	24	12.5	57.5



838805 Tempering hose EPDM NERIOX

with fiber fabric

EN ISO 1307

Three-layer hose in EPDM with high tensile strength polyester fiber

Application: for low pressure applications and cooling of tools

Material: EPDM

Color: blue, red and black

Fabric: Polyester fiber with high tensile strength

Maximum operating pressure: 20 bar

Burst pressure: 60 bar

Operating temperature: -40°C to +140°C

Resistance: air, water, water mixture (glycols and antifreeze)

Surface: smooth finish

Sold in rolls

Order ID	d1	D	L	Colour	Working pressure	Burst pression
	mm	mm	m		bar	bar
838805.0100	10	18	50	blue	20	60
838805.0200	10	18	50	red	20	60
838805.0300	10	18	50	black	20	60
838805.0400	13	22	50	blue	20	60
838805.0500	13	22	50	red	20	60
838805.0600	13	22	50	black	20	60
838805.0700	19	29	25	blue	20	60
838805.0800	19	29	25	red	20	60
838805.0900	19	29	25	black	20	60

838804 Tempering hose NERIOX Push-Lock

with fabric insert

ISO 1307

Three-layer hose made from a high-quality EPDM with polyester fiber with high tensile strength

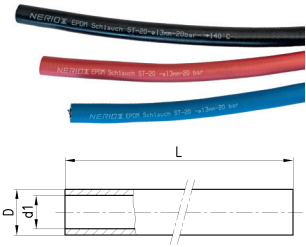
The NERIOX Push-Lock tempering hose is suitable for low-pressure applications and in particular for cooling systems in injection molding tools.

Material: high quality EPDM
Color: blue and red
Fabric: Polyester fiber with high tensile strength
Max. operating pressure: 27 bar
Burst pressure: 108 bar
Max. operating temperature: +140°C
Resistance: air, water, water mixture (glycols and antifreeze)
Surface: smooth finish

Sold in rolls

Order ID	d1 mm	D mm	L m	Colour	Working pressure bar	Burst pression bar
838804.0100	10	15.5	50	blue	27	108
838804.0200	10	15.5	50	red	27	108
838804.0300	13	19.5	50	blue	27	108
838804.0400	13	19.5	50	red	27	108
838804.0500	19	25.8	25	blue	27	108
838804.0600	19	25.8	25	red	27	108

NERIOX



838831 Braided hose silicone NERIOX

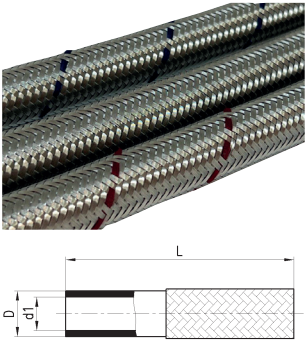
with stainless steel wire braiding

Application: suitable for low pressure, tool cooling and steam
External material: AISI-304 stainless steel
Color: silver, blue and red stripes
Maximum operating pressure: 25 bar
Burst pressure: 100 bar
Operating temperature: -50°C to +200°C
Resistance: air, water, water mixture (glycols and antifreeze)

Sold in rolls only

Order ID	d1 mm	D mm	L m	Working pressure max. bar	Burst pression bar	Colour
838831.0100	10	15	25	25	100	silver
838831.0200	10	15	25	25	100	blue
838831.0300	10	15	25	25	100	red
838831.0400	13	19	25	20	80	silver
838831.0500	13	19	25	20	80	blue
838831.0600	13	19	25	20	80	red

NERIOX



838841 Braided hose FKM NERIOX

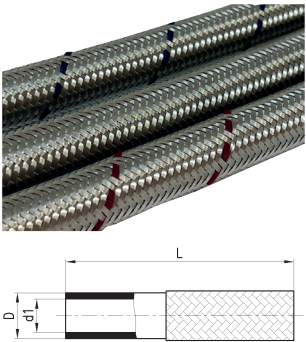
with stainless steel wire braiding

Application: for low pressure, tool cooling, bio and eco diesel
Material inside: high-quality fluorine rubber
External material: AISI-304 stainless steel
Color: silver, blue and red stripes
Maximum operating pressure: 25 bar
Burst pressure: 100 bar
Operating temperature: -20°C to +230°C (briefly up to +275°C)
Resistance: air, water, water mixture (glycols and antifreeze)

Sold in rolls only

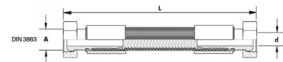
Order ID	d1 mm	D mm	L m	Working pressure max. bar	Burst pression bar	Colour
838841.0100	10	14.5	25	25	100	silver
838841.0200	10	14.5	25	25	100	blue
838841.0300	10	14.5	25	25	100	red
838841.0400	13	17.5	25	20	80	silver
838841.0500	13	17.5	25	20	80	blue
838841.0600	13	17.5	25	20	80	red

NERIOX





838849 High temperature hose PTFE NERIOX
with stainless steel wire braiding
UNI EN ISO 1402

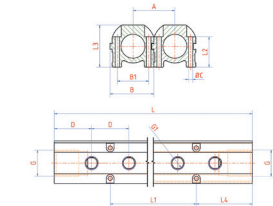


Application: for low pressure, cooling of tools as well as for high temperatures and chemical substances
Material inside: high quality smooth PTFE
External material: AISI 304 HD stainless steel
Silver
Max. operating pressure: 185 bar for ID 10 and 160 bar for ID 13
Burst pressure max.: 555 bar for ID 10 and 480 bar for ID 13
Operating temperature: -60°C to +260°C
Compliance/Approval: RoHS, FDA Regulation 21 CFR 177.1550

Order ID	A	d	L
		mm	mm
838849.0100	G 1/4"	10	250
838849.0200	G 1/4"	10	500
838849.0300	G 1/4"	10	750
838849.0400	G 1/4"	10	1000
838849.0500	G 1/4"	10	1500
838849.0600	G 1/4"	10	2000
838849.0700	G 1/4"	10	2500
838849.0800	M14 x 1.5	10	250
838849.0900	M14 x 1.5	10	500
838849.1000	M14 x 1.5	10	750
838849.1100	M14 x 1.5	10	1000
838849.1200	M14 x 1.5	10	1500
838849.1300	M14 x 1.5	10	2000
838849.1400	M14 x 1.5	10	2500
838849.1500	G 3/8"	13	250
838849.1600	G 3/8"	13	500
838849.1700	G 3/8"	13	750
838849.1800	G 3/8"	13	1000
838849.1900	G 3/8"	13	1500
838849.2000	G 3/8"	13	2000
838849.2100	G 3/8"	13	2500

839553 Manifold NERIOX 3/4"

made of aluminum blue or red anodized



Material: Anodized aluminum
Color: blue and red
Dimensions: input 3/4", outputs 1/4" to 3/8"
Execution: 4 to 10 outlets
Medium: tempering media
Temperature range: -20°C to +200°C
Maximum operating pressure: 15 bar

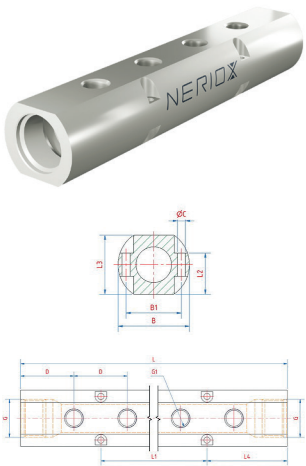
Order ID	A	B	B1	D	G	G1	L	L1	L2	L3	L4	Ports	Weight	øC
		mm	mm	mm			mm	mm	mm	mm	mm		g	
839553.0100	41.3	43.5	31	38	G3/4"	G1/4"	190	75.6	30	41.5	57.2	4	500	4.5
839553.0200	41.3	43.5	31	38	G3/4"	G1/4"	190	75.6	30	41.5	57.2	4	500	4.5
839553.0300	41.3	43.5	31	38	G3/4"	G1/4"	266	151.6	30	41.5	57.2	6	700	4.5
839553.0400	41.3	43.5	31	38	G3/4"	G1/4"	266	151.6	30	41.5	57.2	6	700	4.5
839553.0500	41.3	43.5	31	38	G3/4"	G1/4"	342	227.6	30	41.5	57.2	8	900	4.5
839553.0600	41.3	43.5	31	38	G3/4"	G1/4"	342	227.6	30	41.5	57.2	8	900	4.5
839553.0700	41.3	43.5	31	38	G3/4"	G1/4"	418	303.6	30	41.5	57.2	10	1100	4.5
839553.0800	41.3	43.5	31	38	G3/4"	G1/4"	418	303.6	30	41.5	57.2	10	1100	4.5
839553.0900	41.3	43.5	31	38	G3/4"	G3/8"	190	75.6	30	41.5	57.2	4	500	4.5
839553.1000	41.3	43.5	31	38	G3/4"	G3/8"	190	75.6	30	41.5	57.2	4	500	4.5
839553.1100	41.3	43.5	31	38	G3/4"	G3/8"	266	151.6	30	41.5	57.2	6	700	4.5
839553.1200	41.3	43.5	31	38	G3/4"	G3/8"	266	151.6	30	41.5	57.2	6	700	4.5
839553.1300	41.3	43.5	31	38	G3/4"	G3/8"	342	227.6	30	41.5	57.2	8	900	4.5
839553.1400	41.3	43.5	31	38	G3/4"	G3/8"	342	227.6	30	41.5	57.2	8	900	4.5
839553.1500	41.3	43.5	31	38	G3/4"	G3/8"	418	303.6	30	41.5	57.2	10	1100	4.5
839553.1600	41.3	43.5	31	38	G3/4"	G3/8"	418	303.6	30	41.5	57.2	10	1100	4.5

839563 Manifold NERIOX 3/4" INOX

made of stainless steel 1.4401

Material: made of stainless steel 1.4401
Dimensions: inlet 3/4", outlets 1/4" and 3/8"
Design: 4 to 10 outlets
Medium: temperature control media
Temperature range: -20°C to +200°C
Max. operating pressure: 15 bar

Order ID	G	G1	Ports	B1 mm	L2 mm	L4 mm	L3 mm	B mm	D mm	L1 mm	L mm	øC	Weight g
839563.0100	G3/4"	G1/4"	4	31	23	57.2	33	40	38	75.6	190	4.5	1100
839563.0200	G3/4"	G1/4"	6	31	23	57.2	33	40	38	151.6	266	4.5	1600
839563.0300	G3/4"	G1/4"	8	31	23	57.2	33	40	38	227.6	342	4.5	2100
839563.0400	G3/4"	G1/4"	10	31	23	57.2	33	40	38	303.6	418	4.5	2600
839563.0500	G3/4"	G3/8"	4	31	23	57.2	33	40	38	75.6	190	4.5	1100
839563.0600	G3/4"	G3/8"	6	31	23	57.2	33	40	38	151.6	266	4.5	1600
839563.0700	G3/4"	G3/8"	8	31	23	57.2	33	40	38	227.6	342	4.5	2100
839563.0800	G3/4"	G3/8"	10	31	23	57.2	33	40	38	303.6	418	4.5	2600



820100 Multi-coupling system NERIOX

Coupling plate on the machine side

- Materials:
- Plate and lever body: anodized aluminum
 - Lever including attachment: Zinc plated steel shaft, Duroplast head

Version: French plug-in profile
Colour: black/red
Connections: 6, 12 and 20
Medium: Tempering media such as hot or cold water or tempering oil
Temperature range: -20°C to +200°C
Maximum operating pressure: 15 bar

Note: Temperature range depends on the medium (oil and air +200°C, water +150°C)

- Machine side of the two-part multi-coupling system
- Simple and quick coupling
- Separating the systems by turning the lever
- Individually equippable
- For safe and fast production processes
- Also available as a high-temperature version on request

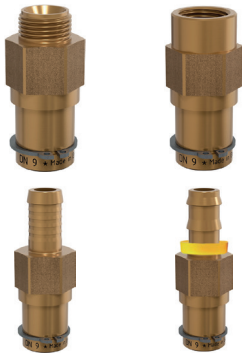
Couplings not included

Order ID	B mm	Connections	H mm	L mm	L1 mm	L2 mm	Weight g
820100.0100	81	6	68	140	118	67	1050
820100.0200	81	12	68	190	118	67	1150
820100.0300	103	20	68	206	118	67	1275



820101 Couplings for the NERIOX multi-coupling system machine side

- Materials:
- Connectors: Brass MS 58 bare
 - Valve and valve body: Brass MS 58 bright
 - Spring: stainless steel 1.4310
 - Retaining ring: phosphated steel
 - Balls: stainless steel 1.4034
 - Seals: FKM



Version with internal and external thread or with hose nozzle/quick-fit hose nozzle

Order ID	Connection	D mm	L mm	L1 mm	SW mm	Weight g
820101.0100	3/8"	19	49	11	22	73
820101.0200	3/8"	19	50.5	10	22	80
820101.0300	9	19	64	22.5	22	77
820101.0400	13	19	66.5	25	22	87
820101.0500	10	19	70	28	22	84
820101.0600	13	19	70	28	22	93
820101.0700	3/8	19	49	11	22	73
820101.0800	3/8	19	50.5	10	22	80
820101.0900	9	19	64	22.5	22	77
820101.1000	13	19	66.5	25	22	87
820101.1100	10	19	70	28	22	84
820101.1200	13	19	70	28	22	93

820102 Grab handle for NERIOX multi-coupling plate machine side

Material handle: aluminum coated



Order ID	B mm	H mm	L mm	Weight g
820102.0100	36	40	76	23
820102.0200	36	40	100	25

820103 Multi-coupling system NERIOX Coupling plate on the machine side

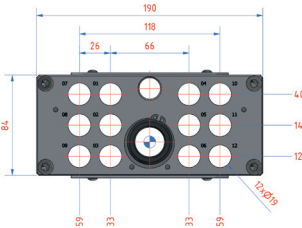
- Materials:
- Plate: aluminum anodized
 - Feet: galvanized steel

Version: French plug-in profile
Colour: black/red
Connections: 6, 12 and 20
Medium: Tempering media such as hot or cold water or tempering oil
Temperature range: -20°C to +200°C
Maximum operating pressure: 15 bar

Note: Temperature range depends on the medium (oil and air +200°C, water +150°C)

- Machine side of the two-part multi-coupling system
- Simple and quick coupling
- Separating the systems by turning the lever
- Individually equippable
- For safe and fast production processes
- Also available as a high-temperature version on request

Couplings not included



Order ID	B mm	B1 mm	B2 mm	Connections	H1 mm	H2 mm	L mm	L1 mm	Weight g
820103.0100	84	88	70	6	90	40	140	120	1075
820103.0200	84	88	70	12	90	40	190	175	1175
820103.0300	104	108	84	20	90	40	206	186	1350

820104 Plug nipple, angle piece and adapter for the NERIOX multi-coupling system

tool side

Materials:

- Connectors: Brass MS 58 bare
- Valve and valve body: Brass MS 58 bright
- Retaining ring: phosphated steel
- Seals: FKM

Version with internal and external thread or with hose nozzle/quick-fit hose nozzle

Order ID	Connection	D mm	L mm	L1 mm	SW mm	Weight g
820104.0100	3/8"		33	10	22	55
820104.0200	3/8"	19	49	13	22	51
820104.0300	3/8"	19	49	13	22	51
820104.0400	3/8"		35	12	20	77
820104.0500	9		46.5	22.5	20	77
820104.0600	13		49	25	20	80
820104.0700	9		51	28	20	79
820104.0800	13		51	28	20	84



820080 Bridge coupling NERIOX Form H

without valve

Material

Coupling: brass MS 58 blank

Tube: hard brass

Seals: FKM

Special seals: EPDM, FFKM on request

The NERIOX bridge coupling offers the highest standard of temperature control for hot, cold water and tempered oil applications. This bridges variable cooling bore distances of 125 to 500 mm in injection or die-casting tools.

Operation: one-handed

Valve type: free passage

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

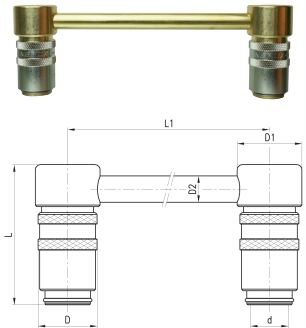
Operating temperature max.: +200°C for oil, +150°C for water

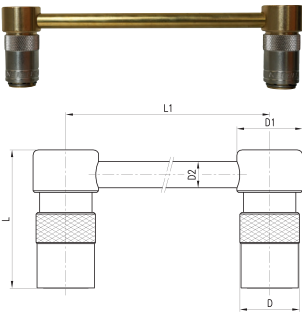
Appropriate accessories:

- 839385 Connection nipple for coupling Form H, without valve
- 839425 Connection nipple for coupling H type, 90° without valve
- 839430 Double nipple for form H coupling Without valve
- 839445 Extension nipple for coupling H type, with thread, without valve
- 839465 Extension nipple for coupling H type, without thread, without valve
- 839470 Connection nipple for coupling H type, with inside thread
- 839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
- 839554 Manifold 1"
- 839556 Manifold 1-1/2"
- 839558 Manifold INOX
- 839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	L1 mm	S mm	D mm	L mm	D1 mm	D2 mm	Series
820080.0100	9	125	6	18	43	20	8	9
820080.0200	9	250	6	18	43	20	8	9
820080.0300	9	500	6	18	43	20	8	9
820080.0400	13	125	9	23.5	53	26	10	13
820080.0500	13	250	9	23.5	53	26	10	13
820080.0600	13	500	9	23.5	53	26	10	13

NERIOX





820081 Bridge coupling NERIOX form D

without valve

Material

Coupling: brass MS 58 blank

Tube: hard brass

Seals: FKM

Special seals: EPDM, FFKM on request

The NERIOX bridge coupling offers the highest standard of temperature control for hot, cold water and tempered oil applications. This bridges variable cooling bore distances of 125 to 500 mm in injection or die-casting tools.

Operation: one-handed

Valve type: free passage

Maximum operating pressure: 15 bar

Minimum operating temperature: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

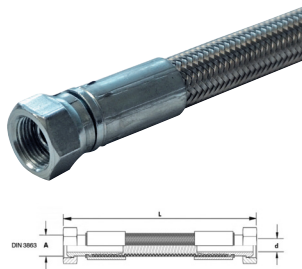
839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	S mm	L1 mm	D mm	L mm	D1 mm	D2 mm
820081.0100	9.4	125	18	41	20	8
820081.0200	9.4	250	18	41	20	8
820081.0300	9.4	500	18	41	20	8
820081.0400	13.5	125	24	56	26	10
820081.0500	13.5	250	24	56	26	10
820081.0600	13.5	500	24	56	26	10



838847 High temperature hose PTFE NERIOX

with stainless steel wire braiding

UNI EN ISO 1402

Application: for low pressure, cooling of tools as well as for high temperatures and chemical substances

Material inside: high quality corrugated PTFE

External material: AISI 304 HD stainless steel

Silver

Max. operating pressure: 185 bar for ID 10 and 160 bar for ID 13

Burst pressure max.: 555 bar for ID 10 and 480 bar for ID 13

Operating temperature: -60°C to +260°C

Compliance/Approval: RoHS, FDA Regulation 21 CFR 177.1550

Order ID	A	d mm	L mm
838847.0100	G 1/4"	10	250
838847.0200	G 1/4"	10	500
838847.0300	G 1/4"	10	750
838847.0400	G 1/4"	10	1000
838847.0500	G 1/4"	10	1500
838847.0600	G 1/4"	10	2000
838847.0700	G 1/4"	10	2500
838847.0800	M14 x 1.5	10	250
838847.0900	M14 x 1.5	10	500
838847.1000	M14 x 1.5	10	750
838847.1100	M14 x 1.5	10	1000
838847.1200	M14 x 1.5	10	1500
838847.1300	M14 x 1.5	10	2000
838847.1400	M14 x 1.5	10	2500
838847.1500	G 3/8"	13	250
838847.1600	G 3/8"	13	500
838847.1700	G 3/8"	13	750
838847.1800	G 3/8"	13	1000
838847.1900	G 3/8"	13	1500
838847.2000	G 3/8"	13	2000
838847.2100	G 3/8"	13	2500

820060 Blind coupling NERIOX form H

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass CW614N (2.0401)

Release sleeve: brass CW614N (2.0401)

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The NERIOX quick-release coupling offers the highest standard of temperature control for hot, cold water and tempering oil applications.

Operating pressure max.: 15 bar

Operating temperature min.: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839385 Connection nipple for coupling Form H, without valve

839425 Connection nipple for coupling H type, 90° without valve

839430 Double nipple for form H coupling Without valve

839435 Double nipple for form H coupling Stepped, without valve

839445 Extension nipple for coupling H type, with thread, without valve

839465 Extension nipple for coupling H type, without thread, without valve

839470 Connection nipple for coupling H type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

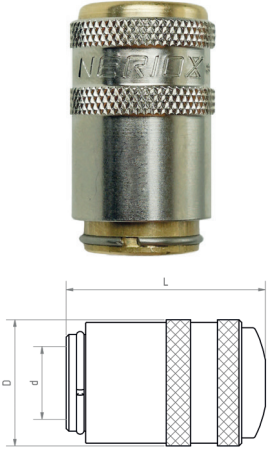
839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	D mm	L mm
820060.0100	9	18	30
820060.0200	13.5	23.5	37

NERIOX



820061 Blind coupling NERIOX form D

ISO 228 / DIN 13 / DIN 158

Material

Connection pieces, valve body, valve: brass CW614N (2.0401)

Release sleeve: brass CW614N (2.0401)

Springs/snap ring: stainless steel 1.4310

Seals: FKM

Special seals: EPDM, FFKM on request

The NERIOX quick-release coupling offers the highest standard of temperature control for hot, cold water and tempering oil applications.

Operating pressure max.: 15 bar

Operating temperature min.: -20°C

Operating temperature max.: +200°C for oil, +150°C for water

Appropriate accessories:

839485 Connection nipple for coupling D type, without valve

839510 Extension nipple for coupling D type, with thread, without valve

839515 Extension nipple for coupling

839520 Connection nipple for coupling D type, 90°, without valve

839525 Connection nipple for coupling D type, with inside thread

839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized

839554 Manifold 1"

839556 Manifold 1-1/2"

839558 Manifold INOX

839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

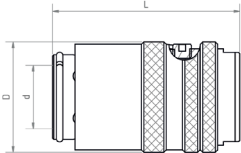
839630 Plug-in bushing for coupling D type

839990 Protective cap For connection nipples

Order ID	d mm	D mm	L mm
820061.0100	9.55	18	28
820061.0200	13.6	24	40

NERIOX





820062 Safety blind coupling NERIOX form H

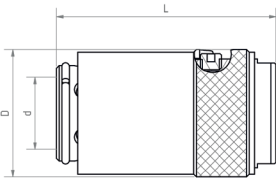
ISO 228 / DIN 13 / DIN 158
Material
Connection pieces, valve body, valve: brass CW614N (2.0401)
Release sleeve: brass CuZn21Si3P
Springs/snap ring: stainless steel 1.4310
Seals: FKM
Special seals: EPDM, FFKM on request

The NERIOX quick-release coupling offers the highest standard of temperature control for hot, cold water and tempering oil applications.

Operating pressure max.: 15 bar
Operating temperature min.: -20°C
Operating temperature max.: +200°C for oil, +150°C for water

- Appropriate accessories:**
839385 Connection nipple for coupling Form H, without valve
839405 Connection nipple for coupling H type, with valve
839425 Connection nipple for coupling H type, 90° without valve
839430 Double nipple for form H coupling Without valve
839445 Extension nipple for coupling H type, with thread, without valve
839465 Extension nipple for coupling H type, without thread, without valve
839470 Connection nipple for coupling H type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401

Order ID	d mm	D mm	L mm
820062.0100	9	18	41.5
820062.0200	13.5	23.5	40



820063 Safety blind coupling NERIOX Form D

ISO 228 / DIN 13 / DIN 158
Material
Connection pieces, valve body, valve: brass CW614N (2.0401)
Release sleeve: brass CuZn21Si3P
Springs/snap ring: stainless steel 1.4310
Seals: FKM
Special seals: EPDM, FFKM on reques

The NERIOX quick-release coupling offers the highest standard of temperature control for hot, cold water and tempering oil applications.

Operating pressure max.: 15 bar
Operating temperature min.: -20°C
Operating temperature max.: +200°C for oil, +150°C for water

- Appropriate accessories:**
839485 Connection nipple for coupling D type, without valve
839510 Extension nipple for coupling D type, with thread, without valve
839515 Extension nipple for coupling
839520 Connection nipple for coupling D type, 90°, without valve
839525 Connection nipple for coupling D type, with inside thread
839553 Manifold NERIOX 3/4" made of aluminum blue or red anodized
839554 Manifold 1"
839556 Manifold 1-1/2"
839558 Manifold INOX
839563 Manifold NERIOX 3/4" INOX made of stainless steel 1.4401
839630 Plug-in bushing for coupling D type
839990 Protective cap For connection nipples

Order ID	d mm	D mm	L mm
820063.0100	9.55	18	40.5
820063.0200	13.6	24	41.5

838859 Press sleeve NERIOX

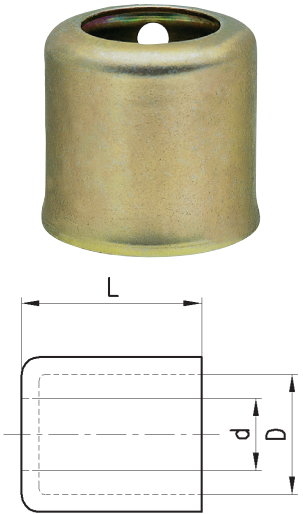
for low pressure

Material
annealed steel, galvanized and yellow passivated



The NERIOX low-pressure press sleeve is suitable for pressing various hoses and fittings for various media.

Order ID	d	D	L
	mm	mm	mm
838859.0010	8.5	12.5	17
838859.0020	9.3	13.5	20
838859.0030	10	14.5	17
838859.0040	11.5	16	17
838859.0050	13.5	18	20
838859.0060	13.9	19	20
838859.0070	14.5	19.5	26
838859.0080	16.5	21	32
838859.0090	17	22	32
838859.0100	17	23	32
838859.0110	17	25	32
838859.0120	20.5	28	32
838859.0130	24.3	30.5	33
838859.0140	24.8	33	35
838859.0150	28	38	35
838859.0160	30	41	40



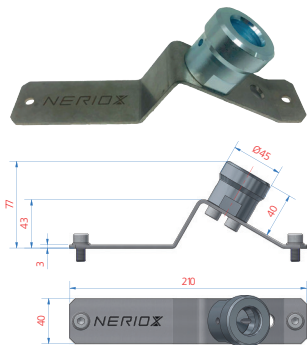
820105 Parking plate NERIOX

for multi-coupling system

Parking plate: stainless steel V2 (brushed)
Retaining sleeve: steel 115MnPb30K
Screws and washers: steel

The NERIOX parking plate is intended for storing the multi-coupling plates. These are attached to the machines, for example, and offer a corresponding level of comfort for the user.

Order ID	L	B	H
	mm	mm	mm
820105.0100	210	40	77

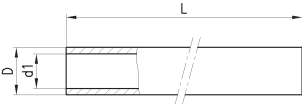


839561 Plug screw with collar and o-ring

Material: Brass MS 58 nickel-plated
Dimensions: G 3/4"
Temperature range: -20°C to +200°C
Maximum operating pressure: 15 bar

Order ID	Thread	Hexagon socket
839561.0100	G 3/4"	SW 12





838813 Construction hose NBR/PVC NERIOX

assembled with quick couplings

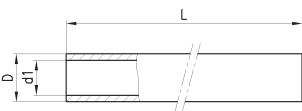
Three-layer construction hose made of NBR/PVC with a high-quality polyester insert.

High-quality, robust water hose with high pressure resistance, suitable for industrial applications, as well as for construction and road construction.

Material: NBR/PVC
Insert: two-layer polyester fiber
Color: Black
Temperature resistance: -20°C to +60°C
Maximum operating pressure: 20 bar

Sold in rolls only

Order ID	D mm	L m	d1 mm
838813.0100	29	20	19
838813.0200	29	40	19
838813.0300	35	20	25
838813.0400	35	40	25



838814 Jackhammer hose NERIOX

assembled with quick couplings

Three-layer compressed air hose made of EPDM with a high-quality polyester insert.

High-quality, robust air hose with high pressure resistance, suitable for industrial applications, as well as for construction and road construction.

Material: NR/SBR
Insert: one-layer polyester fiber
Color: yellow
Temperature resistance: -40°C to +70°C
Maximum operating pressure: 20 bar
Maximum bursting pressure: 60 bar

Sold in rolls only

Order ID	D mm	L m	d1 mm
838814.0100	29	20	19
838814.0200	29	40	19
838814.0300	36	20	25
838814.0400	36	40	25



838842 Protection Sleeve NERIOX

made of fiberglass with silicone coating

Two-layer insulation hose made of high-quality glass fiber and a self-extinguishing silicone jacket.

Application: as protection for different types of hoses. Often used with temperature control hoses to increase temperature protection.

Material outside: silicone (self-extinguishing)
Material inside: fiberglass
Color: Black
Temperature resistance: outside +260°C to +300°C, inside +500°C to +600°C
Conformity: REACH/RoHS

Sold in rolls only

Order ID	Inside Ø mm	Colour	Tape length m
838842.0100	10	blue	20
838842.0200	10	red	20
838842.0300	15	blue	20
838842.0400	15	red	20
838842.0500	20	blue	20
838842.0600	20	red	20

818841 O-shaped mounts NERIOX NR

O-shaped bearings have very soft spring characteristics, which is why they are also known as low-frequency bearings. They are used for the low-vibration mounting of instruments, electrical components and for the attachment of light units and precision mechanical devices.

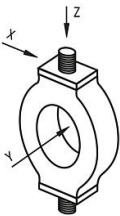
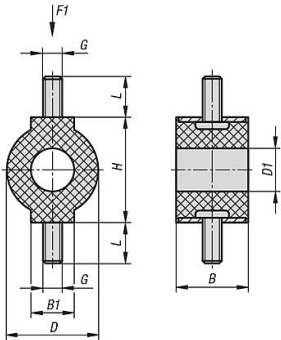
Hardness: medium, approx. 57 Shore A

Material elastomer part: NR, black

Material connecting part: galvanised steel, chromated

Operating temperature: -30 to +80°C

Order ID	D mm	Thread G	L mm	H mm
818841.0010	10	M4	10	12.5
818841.0020	14	M4	10	14
818841.0030	25	M5	10	30



818840 Rubber buffer NERIOX NR

Stop buffers are suitable for all types of stops and vibration-isolating mountings for small to medium-sized appliances.

Bump stops may only be subjected to pressure.

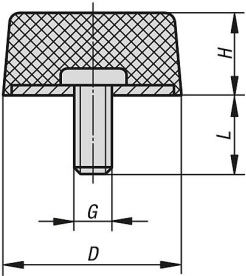
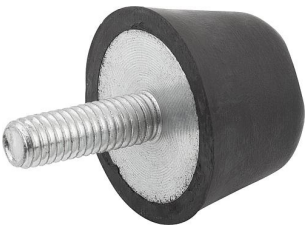
Hardness: medium, approx. 55 Shore A

Material elastomer part: NR, black

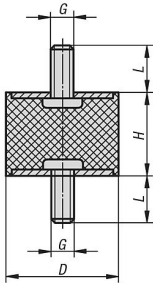
Material connecting part: galvanised steel, chromated

Operating temperature: -30 to +80°C

Order ID	D mm	Thread G	L mm	H mm
818840.0010	25	M6	18	17
818840.0020	50	M10	28	18



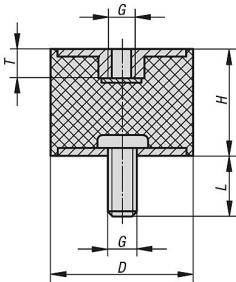
818830 Round buffer NERIOX type A



Round buffers are suitable for elastic fastenings and vibration-isolating mounts for small to medium-sized devices.
Round buffers with threads on both sides may be subjected to compression and shear, but not tension.
Hardness: medium, approx. 55 Shore A
Material elastomer part: NR, black
Material connecting part: galvanised steel, chromated
Operating temperature: -30 to +80°C

Order ID	D mm	Thread G	L mm	H mm
818830.0010	8	M3	6	8
818830.0020	10	M4	10	10
818830.0030	10	M4	10	15
818830.0040	15	M4	10	8
818830.0050	15	M4	10	10
818830.0060	15	M4	10	15
818830.0070	20	M6	18	8
818830.0080	20	M6	18	10
818830.0090	20	M6	18	15
818830.0100	20	M6	18	20
818830.0110	20	M6	18	25
818830.0120	25	M6	18	10
818830.0130	25	M6	18	15
818830.0140	25	M6	18	20
818830.0150	25	M6	18	25
818830.0160	25	M6	18	30
818830.0170	30	M8	23	15
818830.0180	30	M8	23	20
818830.0190	30	M8	23	25
818830.0200	30	M8	23	30
818830.0210	30	M8	23	40
818830.0220	40	M8	23	15
818830.0230	40	M8	23	20
818830.0240	40	M8	23	30
818830.0250	40	M8	23	40
818830.0260	50	M10	28	20
818830.0270	50	M10	28	25
818830.0280	50	M10	28	30
818830.0290	50	M10	28	40
818830.0300	50	M10	28	50
818830.0310	60	M10	28	40
818830.0320	70	M10	28	45
818830.0330	75	M12	37	25
818830.0340	75	M12	37	40
818830.0350	75	M12	37	50
818830.0360	75	M12	37	55

818831 Round buffer NERIOX type B



Round buffers are suitable for elastic fastenings and vibration-isolating mounts for small to medium-sized devices.
Round buffers with threads on both sides may be subjected to compression and shear, but not tension.
Hardness: medium, approx. 55 Shore A
Material elastomer part: NR, black
Material connecting part: galvanised steel, chromated
Operating temperature: -30 to +80°C

Order ID	D mm	Thread G	L mm	H mm
818831.0010	8	M3	6	8
818831.0020	10	M4	10	10
818831.0030	10	M4	10	15
818831.0040	15	M4	10	10
818831.0050	15	M4	10	15
818831.0060	20	M6	18	15
818831.0070	20	M6	18	20
818831.0080	20	M6	18	25
818831.0090	25	M6	18	15
818831.0100	25	M6	18	20
818831.0110	25	M6	18	25
818831.0120	25	M6	18	30
818831.0130	30	M8	23	15
818831.0140	30	M8	23	20
818831.0150	30	M8	23	25
818831.0160	30	M8	23	30
818831.0170	30	M8	23	40
818831.0180	40	M8	23	20
818831.0190	40	M8	23	30
818831.0200	40	M8	23	40
818831.0210	50	M10	28	20
818831.0220	50	M10	28	25
818831.0230	50	M10	28	30
818831.0240	50	M10	28	40
818831.0250	50	M10	28	50
818831.0260	60	M10	28	40
818831.0270	70	M10	28	45
818831.0280	75	M12	37	25
818831.0290	75	M12	37	40
818831.0300	75	M12	37	50
818831.0310	75	M12	37	55

818832 Round buffer NERIOX type C

Round buffers are suitable for elastic fastenings and vibration-isolating mounts for small to medium-sized devices.

Round buffers with threads on both sides may be subjected to compression and shear, but not tension.

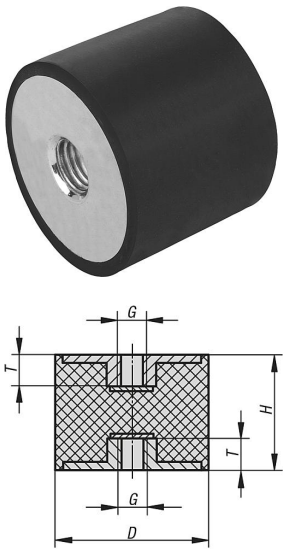
Hardness: medium, approx. 55 Shore A

Material elastomer part: NR, black

Material connecting part: galvanised steel, chromated

Operating temperature: -30 to +80°C

Order ID	D mm	Thread G	L mm	H mm
818832.0010	10	M4	4	10
818832.0020	10	M4	4	15
818832.0030	15	M4	4	15
818832.0040	20	M6	6	20
818832.0050	20	M6	6	25
818832.0060	25	M6	6	20
818832.0070	25	M6	6	25
818832.0080	25	M6	6	30
818832.0090	30	M8	8	20
818832.0100	30	M8	8	30
818832.0110	30	M8	8	40
818832.0120	40	M8	8	30
818832.0130	40	M8	8	40
818832.0140	50	M10	10	30
818832.0150	50	M10	10	40
818832.0160	50	M10	10	50
818832.0170	75	M12	12	40
818832.0180	75	M12	12	50



818833 Round buffer NERIOX type D

Round buffers are suitable for elastic fastenings and vibration-isolating mounts for small to medium-sized devices.

Round buffers with threads on both sides may be subjected to compression and shear, but not tension.

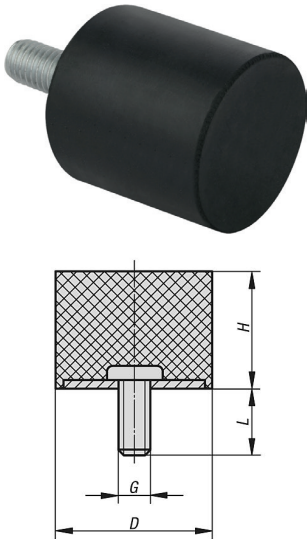
Hardness: medium, approx. 55 Shore A

Material elastomer part: NR, black

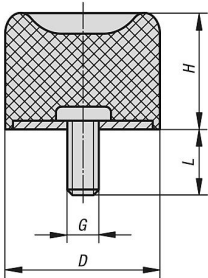
Material connecting part: galvanised steel, chromated

Operating temperature: -30 to +80°C

Order ID	D mm	Thread G	L mm	H mm
818833.0010	8	M3	6	8
818833.0020	10	M4	10	10
818833.0030	10	M4	10	15
818833.0040	15	M4	10	6
818833.0050	15	M4	10	8
818833.0060	15	M4	10	10
818833.0070	15	M4	10	15
818833.0080	20	M6	18	5
818833.0090	20	M6	18	8
818833.0100	20	M6	18	10
818833.0110	20	M6	18	15
818833.0120	20	M6	18	20
818833.0130	20	M6	18	25
818833.0140	25	M6	18	8
818833.0150	25	M6	18	10
818833.0160	25	M6	18	15
818833.0170	25	M6	18	20
818833.0180	25	M6	18	25
818833.0190	25	M6	18	30
818833.0200	30	M8	23	15
818833.0210	30	M8	23	20
818833.0220	30	M8	23	25
818833.0230	30	M8	23	30
818833.0240	30	M8	23	40
818833.0250	40	M8	23	15
818833.0260	40	M8	23	20
818833.0270	40	M8	23	30
818833.0280	40	M8	23	40
818833.0290	50	M10	28	20
818833.0300	50	M10	28	30
818833.0310	50	M10	28	40
818833.0320	50	M10	28	50
818833.0330	60	M10	28	40
818833.0340	70	M10	28	25
818833.0350	70	M10	28	45
818833.0360	75	M12	37	25
818833.0370	75	M12	37	40
818833.0380	75	M12	37	50
818833.0390	75	M12	37	55



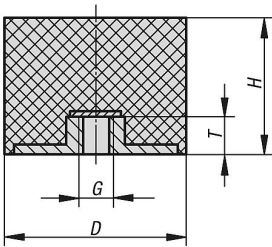
818834 Round buffer NERIOX type DS



Round buffers are suitable for elastic fastenings and vibration-isolating mounts for small to medium-sized devices.
Round buffers with threads on both sides may be subjected to compression and shear, but not tension.
Hardness: medium, approx. 55 Shore A
Material elastomer part: NR, black
Material connecting part: galvanised steel, chromated
Operating temperature: -30 to +80°C

Order ID	D mm	Thread G	L mm	H mm
818834.0010	15	M4	13	14
818834.0020	25	M6	18	18.5
818834.0030	30	M8	23	28.5
818834.0040	40	M8	23	28
818834.0050	50	M10	28	28
818834.0060	70	M10	28	30
818834.0070	75	M12	37	37
818834.0080	100	M16	42	50

818835 Round buffer NERIOX type E



Round buffers are suitable for elastic fastenings and vibration-isolating mounts for small to medium-sized devices.
Round buffers with threads on both sides may be subjected to compression and shear, but not tension.
Hardness: medium, approx. 55 Shore A
Material elastomer part: NR, black
Material connecting part: galvanised steel, chromated
Operating temperature: -30 to +80°C

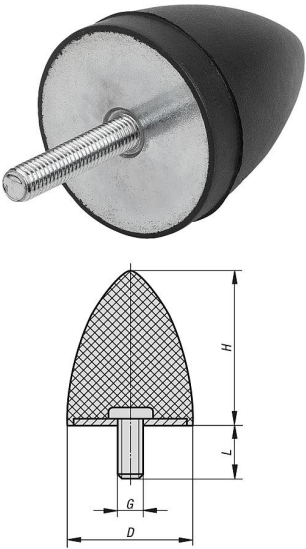
Order ID	D mm	Thread G	L mm	H mm
818835.0010	8	M3	3	8
818835.0020	15	M4	4	12
818835.0030	15	M4	4	15
818835.0040	15	M4	4	20
818835.0050	20	M6	6	15
818835.0060	20	M6	6	20
818835.0070	20	M6	6	25
818835.0080	25	M6	6	15
818835.0090	25	M6	6	25
818835.0100	25	M6	6	30
818835.0110	25	M6	6	40
818835.0120	30	M8	8	15
818835.0130	30	M8	8	25
818835.0140	30	M8	8	30
818835.0150	30	M8	8	40
818835.0160	40	M8	8	20
818835.0170	40	M8	8	25
818835.0180	40	M8	8	30
818835.0190	40	M8	8	40
818835.0200	50	M10	10	20
818835.0210	50	M10	10	25
818835.0220	50	M10	10	30
818835.0230	50	M10	10	40
818835.0240	50	M10	10	50
818835.0250	60	M10	10	30
818835.0260	60	M10	10	40
818835.0270	60	M10	10	50
818835.0280	70	M10	10	42
818835.0290	70	M10	10	45
818835.0300	75	M12	12	25
818835.0310	75	M12	12	30
818835.0320	75	M12	12	40
818835.0330	75	M12	12	50

818836 Rubber buffer NERIOX NR

Rubber buffers are characterised by their robustness and effective shock absorption and cushioning. These rubber buffers are particularly suitable for elastic path limitation and for cushioning impacts on mobile and non-mobile units, machines and generally as stops.

Hardness: medium, approx. 55 Shore A
Material elastomer part: NR, black
Material connecting part: galvanised steel, chromated
Operating temperature: -30 to +80°C

Order ID	D mm	Thread G	L mm	H mm
818836.0010	20	M6	18	24
818836.0020	30	M8	20	36
818836.0030	35	M8	23	40
818836.0040	50	M10	28	58
818836.0050	50	M8	38	67
818836.0060	75	M12	37	89



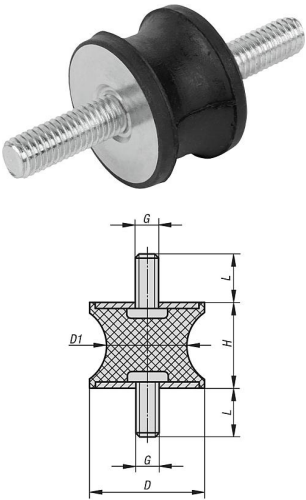
818837 Round buffer NERIOX type AT

Round buffers are suitable for elastic fastenings and vibration-isolating mounts for small to medium-sized devices.

Round buffers with threads on both sides may be subjected to compression and shear, but not tension.

Hardness: medium, approx. 55 Shore A
Material elastomer part: NR, black
Material connecting part: galvanised steel, chromated
Operating temperature: -30 to +80°C

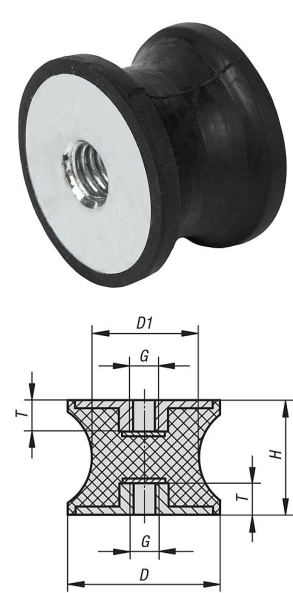
Order ID	D mm	Thread G	L mm	H mm
818837.0010	10	M4	13	10
818837.0020	15	M4	13	15
818837.0030	20	M6	18	15
818837.0040	30	M8	23	20
818837.0050	40	M8	23	30
818837.0060	40	M8	23	48
818837.0070	50	M10	28	30
818837.0080	75	M12	37	40



818838 Round buffer NERIOX type CT

Round buffers are suitable for elastic fastenings and vibration-isolating mounts for small to medium-sized devices.
Round buffers with threads on both sides may be subjected to compression and shear, but not tension.
Hardness: medium, approx. 55 Shore A
Material elastomer part: NR, black
Material connecting part: galvanised steel, chromated
Operating temperature: -30 to +80°C

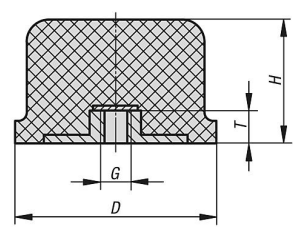
Order ID	D mm	Thread G	L mm	H mm
818838.0010	15	M4	4	15
818838.0020	20	M6	6	15
818838.0030	30	M8	8	20
818838.0040	40	M8	8	30
818838.0050	40	M8	8	48
818838.0060	50	M10	10	30
818838.0070	75	M12	12	40



818839 Rubber buffer NERIOX NR

Stop buffers are suitable for all types of stops and vibration-isolating mountings for small to medium-sized appliances.
Bump stops may only be subjected to pressure.
Hardness: medium, approx. 55 Shore A
Material elastomer part: NR, black
Material connecting part: galvanised steel, chromated
Operating temperature: -30 to +80°C

Order ID	D mm	Thread G	L mm	H mm
818839.0010	50	M10	10	35
818839.0020	80	M12	12	60
818839.0030	125	M16	16	93



818850 Antivibration damper NERIOX type D

stainless steel, FDA compliant

Elastomer material: silicone, blue

Metal parts material: stainless steel 1.4401

Hardness: medium, approx. 55 Shore A

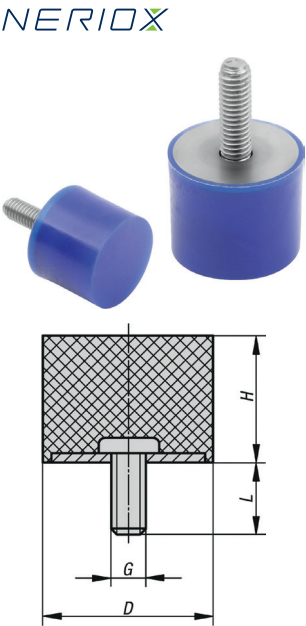
Maximum operating temperature: -30°C to +180°C

Conformity: FDA

Antivibration damper are suitable for elastic fastenings and vibration-isolating bearings for small to medium-sized devices.

The damper may be subjected to compression and shear, but not to tension.”

Order ID	D mm	H mm	G	L mm	Spring rate Nmm
818850.0100	8	8	M3	6	30
818850.0200	10	10	M4	10	71
818850.0300	10	15	M4	10	42
818850.0400	15	6	M4	10	250
818850.0500	15	8	M4	10	133
818850.0600	15	10	M4	10	120
818850.0700	15	15	M4	10	58
818850.0800	20	5	M6	18	300
818850.0900	20	8	M6	18	180
818850.1000	20	10	M6	18	155
818850.1100	20	15	M6	18	114
818850.1200	20	20	M6	18	84
818850.1300	20	25	M6	18	54
818850.1400	25	8	M6	18	750
818850.1500	25	10	M6	18	375
818850.1600	25	15	M6	18	193
818850.1700	25	20	M6	18	122
818850.1800	25	25	M6	18	90
818850.1900	30	15	M8	20	113
818850.2000	30	20	M8	20	80
818850.2100	30	30	M8	20	49
818850.2200	40	15	M8	23	705
818850.2300	40	20	M8	23	355
818850.2400	40	30	M8	23	200
818850.2500	50	20	M10	28	750
818850.2600	50	30	M10	28	364



818851 Antivibration damper NERIOX type K

stainless steel, FDA compliant

Elastomer material: silicone, blue

Metal parts material: stainless steel 1.4401

Hardness: medium, approx. 55 Shore A

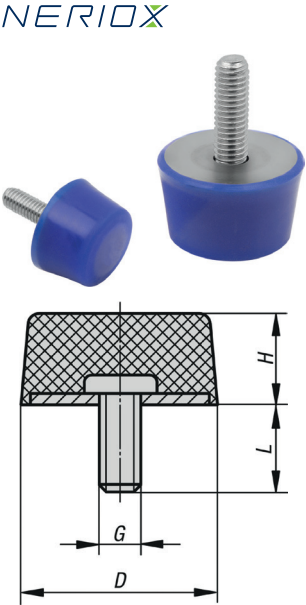
Maximum operating temperature: -30°C to +180°C

Conformity: FDA

Antivibration damper are suitable for elastic fastenings and vibration-isolating bearings for small to medium-sized devices.

The damper may be subjected to compression and shear, but not to tension.”

Order ID	D mm	H mm	G	L mm	Spring rate Nmm
818851.0100	25	17	M6	18	80
818851.0200	30	15	M8	20	265
818851.0300	50	17	M10	28	640





818852 Antivibratin damper NERIOX type EK

stainless steel, FDA compliant

Elastomer material: silicone, blue

Metal parts material: stainless steel 1.4401

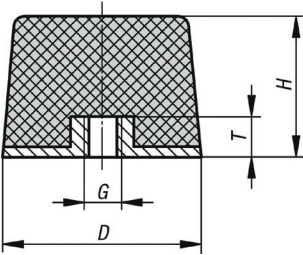
Hardness: medium, approx. 55 Shore A

Maximum operating temperature: -30°C to +180°C

Conformity: FDA

Antivibration damper are suitable for elastic fastenings and vibration-isolating bearings for small to medium-sized devices.

The damper may be subjected to compression and shear, but not to tension.“



Order ID	D mm	H mm	G	T mm	Spring rate Nmm
818852.0100	25	17	M6	6	102
818852.0200	30	15	M8	8	185
818852.0300	50	17	M10	10	677

818842 Antivibration damper NERIOX type K

conical, with external thread

Elastomer material: NR, black

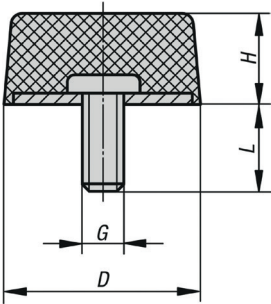
Metal parts material: galvanized steel

Hardness: medium, approx. 55 Shore A

Maximum operating temperature: -30°C to +80°C

Antivibration damper are suitable for elastic fastenings and vibration-isolating bearings for small to medium-sized devices.

The damper may be subjected to compression and shear, but not to tension.“



Order ID	D mm	H mm	G mm	L mm	Spring rate Nmm
818842.0100	25	17	M6	18	678
818842.0200	50	18	M10	28	3600

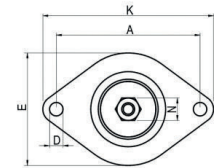
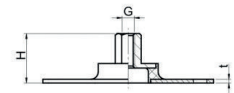
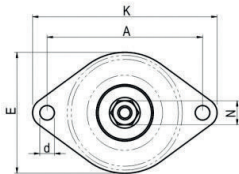
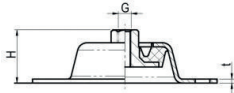
818871 Wall and ceiling mount NERIOX type HNG-U/-L

60 Shore A, RoHS compliant

Elastomer material: NR 60 ±5 Shore A, black
Metal material: Steel 37, galvanized, phosphated
Maximum operating temperature: -40°C to +80°C
Conformity: RoHS

The NERIOX HNG wall and ceiling mount protect all types of equipment such as electrical cabinets, machines, fittings, fans, and motors from vibrations. They can be used for wall and ceiling mounting.

Order ID	E	K	A	G	H	d	N	t	Weight	Tension
	mm	mm	mm		mm	mm	mm	mm	kg	N
818871.0010	75	114	96	M8	33	9	15	2.5	0.15	70
818871.0020	75	114	96	M8	33	9	15	2.5	0.10	70



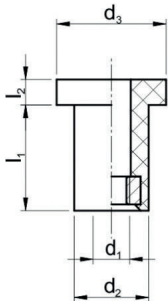
818877 Flexible locator mount NERIOX type TF

55 Shore A, RoHS compliant

Elastomer material: NR 55 ±5 Shore A, black
Metal material: Steel 37, galvanized
Maximum operating temperature: -40°C to +80°C
Conformity: RoHS

The NERIOX TF type locator mounts are suitable for assembling thin sheet metal. Tightening the screw on the side of the head creates a flexible connection between two components.

Order ID	d2	l1	l2	d3
	mm	mm	mm	mm
818877.0010	6.6	9	3	9
818877.0020	8.5	12	3.2	12
818877.0030	10.2	14.5	3.5	15
818877.0040	12.7	17	4.3	18
818877.0050	16	22	5.3	24



818870 Silentbloc NERIOX type SB

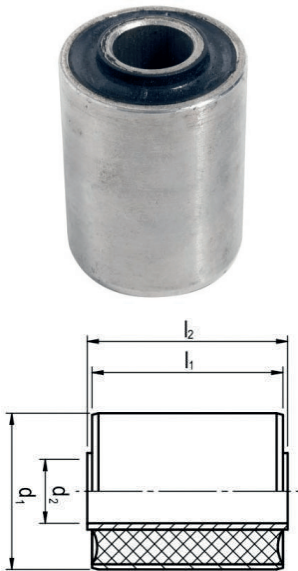
60 Shore A, RoHS compliant

Elastomer material: NR 60 ±5 Shore A, black

Metal material: Steel 37, galvanized, phosphated

Maximum operating temperature: -40°C to +80°C

Conformity: RoHS



NERIOX type SB Silentblocs are widely used as spring elements in industrial applications. They provide flexible support for various axle-like components.

Order ID	d1	d2	l1	l2
	mm	mm	mm	mm
818870.0010	24	10	15	18
818870.0020	25	12	50	54
818870.0030	26	11	32	36
818870.0040	30	10	24	30
818870.0050	30	14	38	42
818870.0060	30	16	29	33
818870.0070	32	16	16	17
818870.0080	33	16	50	58
818870.0090	34	18	36	42
818870.0100	35	15	45	50
818870.0110	38	14	73	81
818870.0120	38	20	35	38
818870.0130	40	25	20	20
818870.0140	40	25	30	30
818870.0150	45	20	35	40
818870.0160	45	20	59.5	62.5
818870.0170	45	20	70	75
818870.0180	48	18	78	91
818870.0190	48	24	85	93
818870.0200	48	28	50	55
818870.0210	49	20	60	63
818870.0220	50	20	40	46
818870.0230	50	25	40	45
818870.0240	50	25	45	50
818870.0250	56	35	50	55
818870.0260	60	15	20	30
818870.0270	60	28	72	75
818870.0280	60	30	45	55
818870.0290	60.3	25.6	76.5	82.5
818870.0300	70	36	60	65
818870.0310	70	36	85	90
818870.0320	75	40	80	88
818870.0330	75	45	90	100
818870.0340	78	50	60	66
818870.0350	78	52	65	65
818870.0360	80	45	45	45
818870.0370	80	45	45	50
818870.0380	80	50	100	110
818870.0390	86	28	77	85
818870.0400	95	50	110	120
818870.0410	100	42	70	75
818870.0420	100	50	146	159
818870.0430	105	40	110	126
818870.0440	110	60	110	120
818870.0450	110	80	61	62
818870.0460	120	70	40	40
818870.0470	125	80	102	107
818870.0480	140	80	110	120
818870.0490	172	135	200	210
818870.0500	200	160	55	55

818872 Crane buffer NERIOX type KRA-QP

55 Shore A, RoHS compliant, with base plate

Elastomer material: NR 55 ±5 Shore A, black

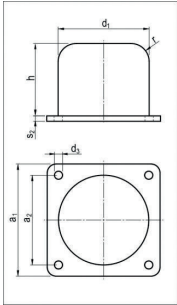
Metal material: Steel 37, galvanized

Maximum operating temperature: -40°C to +80°C

Conformity: RoHS

The NERIOX crane buffers type KRA-QP are used as stop buffers for crane runways.

Order ID	d1 mm	h mm	d3 mm	s2 mm	a1 mm	a2 mm	r mm
818872.0010	40	32	5.5	2	50	40	8
818872.0020	50	40	6.5	3	63	50	10
818872.0030	63	50	6.5	4	80	63	12
818872.0040	80	63	9	5	100	80	18
818872.0050	100	80	9	6	125	100	20
818872.0060	125	100	11	6	160	125	25
818872.0070	160	125	11	8	200	160	32
818872.0080	200	160	13	8	250	200	40



818874 Crane buffer NERIOX type KRA-2G

55 Shore A, RoHS compliant, with base plate

Elastomer material: NR 55 ±5 Shore A, black

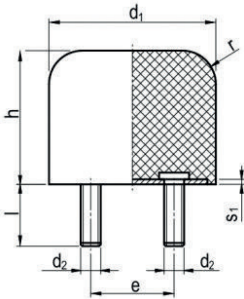
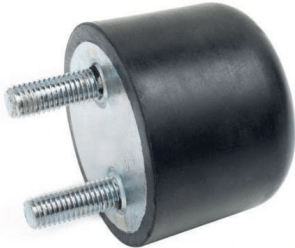
Metal material: Steel 37, galvanized

Maximum operating temperature: -40°C to +80°C

Conformity: RoHS

The NERIOX crane buffers type KRA-2G are used as stop buffers for crane runways.

Order ID	d1 mm	h mm	l mm	d2 mm	s1 mm	r mm	e mm
818874.0010	100	80	37	M12	3	20	50
818874.0020	125	100	36	M16	4	25	63
818874.0030	160	125	44	M16	6	32	80
818874.0040	200	160	44	M20	6	40	100



818875 Crane buffer NERIOX type KRA-1L

55 Shore A, RoHS compliant, with base plate

Elastomer material: NR 55 ±5 Shore A, black

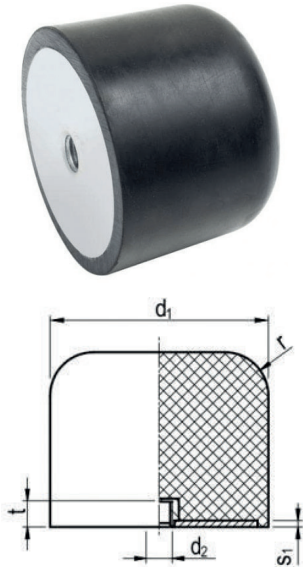
Metal material: Steel 37, galvanized

Maximum operating temperature: -40°C to +80°C

Conformity: RoHS

The NERIOX crane buffers type KRA-1L are used as stop buffers for crane runways.

Order ID	d1 mm	h mm	t mm	d2	s1 mm	r mm
818875.0010	40	32	8	M8	2	8
818875.0020	50	40	10	M10	2	10
818875.0030	63	50	10	M10	3	12
818875.0040	80	63	12	M12	3	18
818875.0050	100	80	12	M12	3	20
818875.0060	125	100	16	M16	4	25
818875.0070	160	125	16	M16	6	32
818875.0080	200	160	20	M20	6	40



818873 Crane buffer NERIOX type KRA-1G

55 Shore A, RoHS compliant, with base plate

Elastomer material: NR 55 ±5 Shore A, black

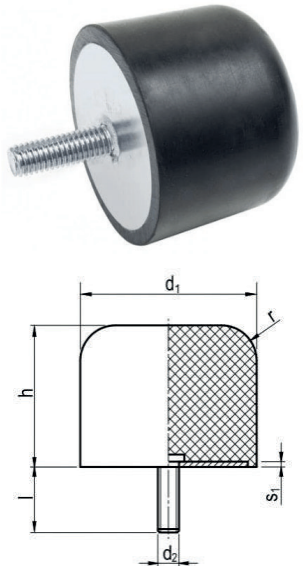
Metal material: Steel 37, galvanized

Maximum operating temperature: -40°C to +80°C

Conformity: RoHS

The NERIOX crane buffers type KRA-1G are used as stop buffers for crane runways.

Order ID	d1 mm	h mm	l mm	d2	s1 mm	r mm
818873.0010	40	32	23	M8	2	8
818873.0020	50	40	28	M10	2	10
818873.0030	63	50	27	M10	3	12
818873.0040	80	63	37	M12	3	18
818873.0050	100	80	37	M12	3	20
818873.0060	125	100	36	M16	4	25
818873.0070	160	125	44	M16	6	32
818873.0080	200	160	44	M20	6	40



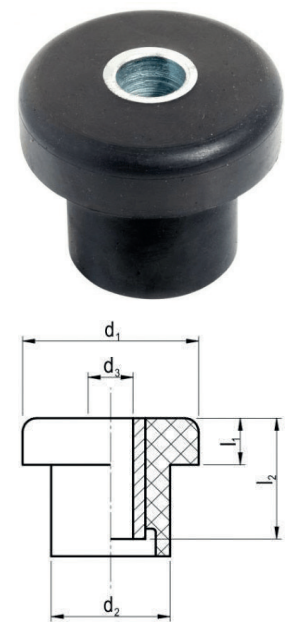
818878 Flexible locator mount NERIOX type TB

55 Shore A, RoHS compliant
Elastomer material: NR 55 ±5 Shore A, black
Metal material: Steel 37, galvanized
Maximum operating temperature: -40°C to +80°C
Conformity: RoHS

The NERIOX Type TB locator mounts are suitable for absorbing vibrations generated during operation of pumps, fans, washing machines, electric motors, control cabinets, and other industrial and agricultural equipment.

Advantages: easy installation, high elasticity, cost-effectiveness, and long service life.

Order ID	d1 mm	d2 mm	l1 mm	l2 mm	d3 mm
818878.0010	27.7	20.6	5.6	17.5	10
818878.0020	44.5	31.5	10.4	25.4	13
818878.0030	50.8	34.3	13.5	35	13
818878.0040	63.5	41.1	15.7	44.5	16
818878.0050	64	38	16	23	16
818878.0060	95	56.6	25.4	50.8	20

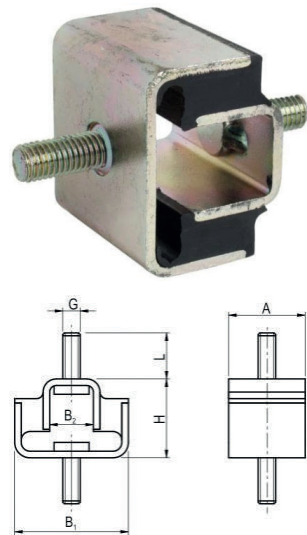


818876 U-vibration mount NERIOX type UL

55 Shore A, RoHS compliant
Elastomer material: NR 55 ±5 Shore A, black
Metal material: Steel 37, galvanized
Maximum operating temperature: -40°C to +80°C
Conformity: RoHS

The great advantage of the NERIOX U-vibration mount type UL is that the axial load forces the rubber body vulcanized on the U-beam to shear stress, thus ensuring a long service life for the structure.

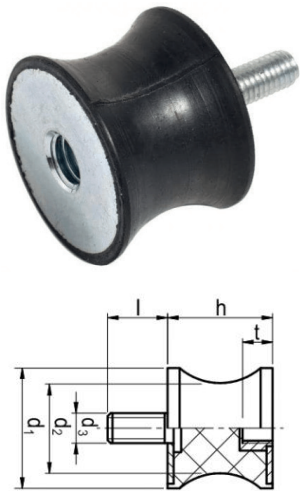
Order ID	A mm	H mm	L mm	G	B1 mm	B2 mm
818876.0010	35	36	21	M8	52	20
818876.0020	50	40	23	M10	54	22



818843 Round buffer NERIOX type BT

Elastomer material: NR, black
Metal parts material: galvanized steel
Hardness: medium, approx. 55 Shore A
Maximum operating temperature: -40°C to +80°C
Conformity: RoHS

Round buffers are suitable for elastic mountings and vibration-isolating mountings of small to medium-sized equipment.
Round buffers can be subjected to compression and shear loads, but not to tension.

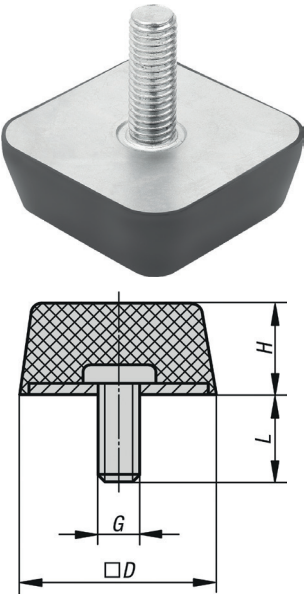


Order ID	d1 mm	h mm	d3 mm	l mm	t mm	d2 mm
818843.0100	10	10	M4	10	4	8
818843.0200	15	15	M4	10	4	12
818843.0300	20	15	M6	18	6	14
818843.0400	20	20	M6	18	6	14
818843.0500	20	30	M6	18	6	14
818843.0600	25	20	M6	18	6	20
818843.0700	30	25	M8	20	8	18
818843.0800	35	34	M8	20	8	25
818843.0900	40	30	M8	23	8	25
818843.1000	40	25	M8	23	8	30
818843.1100	40	50	M8	23	8	32
818843.1200	50	15	M10	28	10	46
818843.1300	50	30	M10	28	10	42
818843.1400	60	60	M10	28	10	49
818843.1500	70	53	M12	37	12	45
818843.1600	75	40	M12	37	12	60
818843.1700	95	75	M16	41	16	80

818844 Stop buffer NERIOX type KV

NR 57 Shore A, black
Elastomer material: NR, black
Metal parts material: galvanized steel
Hardness: medium, approx. 57 Shore A
Maximum operating temperature: -30°C to +80°C

The NERIOX stop buffers are used, among other things, for the storage of aggregates and as impact stops to limit the spring travel of moving masses.



Order ID	D mm	H mm	Thread G	L mm
818844.0100	50	20	M10	28
818844.0200	80	25	M12	23
818844.0300	80	30	M12	37

NERIOX

Personal Protective Equipment

Hand Protection	270
Eye Protection	271–272
Breathing Protection	273
Head Protection	274
Hearing Protection	275
Clothing and Jackets for Cold Protection	276–277
Chip Shields	278



530020 Knitted nylon gloves NERIOX

Touchscreen, blue



The glove has a thin, dark grey PU coating on the palm and fingertips, which ensures **excellent grip** and high resilience. The cuff is elasticated and the glove is also **touchscreen compatible**. The **18-gauge mesh structure** ensures a perfect fit, limits the ingress of dirt and allows good tactile sensitivity. The back of the hand is ventilated and the ultra-light coating ensures **optimal breathability** of the glove.

Appropriate accessories:
530448 NERIOX fastening clip

CE category II
EN 388:2110X
Pack of 12 pairs
Price per pair

Order ID	Size
530020.0100	7
530020.0200	8
530020.0300	9
530020.0400	10
530020.0500	11

531002 Safety glasses NERIOX

Crystal

Extremely **lightweight model** which seals tightly over the eyes and in the cheek area, thus ensuring **optimum protection around the eyes**, the generous mist-free polycarbonate lenses provide good all-round vision, **arm ends with soft inserts** and the **soft nose bridge** made of PVC (polyvinyl chloride) provide even more comfort to the wearer.

CE 2C-1.2 BRW 1 F
CE BRW EN 166 F

Order ID	Color frame	Color lenses	Coating
531002.0100	Transparent/green	Transparent	Anti-fog

NERIOX



531003 Safety glasses NERIOX

Spider

Multi-function safety glasses **can be used as simple protective glasses or as safety goggles**, the glasses adapt perfectly to the application, the expanded foam inserts provide a good seal and the removable elastic strap ensures a snug fit against the head, **mist-free polycarbonate lenses**, nose bridge and 2-component glasses frame made of soft TPE (thermoplastic elastomer) guarantee optimum comfort.

The glasses are supplied complete with strap and padding.

CE 2C-1.2 BRW 1 FT
CE BRW EN 166 FT

Order ID	Color frame	Color lenses	Coating
531003.0100	black/green	Transparent	fog free

NERIOX



531004 Safety glasses NERIOX

Sporty

Lightweight model with **lens that extends far back** and is made of mist-free polycarbonate, so that the eyes are protected all-round while maintaining **optimum vision**, **arm ends with soft inserts** made from PVC (polyvinyl chloride) provide a high level of comfort.

CE 2C-1.2 BRW 1 F
CE BRW EN 166 F

Order ID	Color frame	Color lenses	Coating
531004.0100	Transparent/green	Transparent	fog free
531004.0200	black/green	tinted	fog free

NERIOX



531005 Safety glasses NERIOX

Vogue

The mist-free polycarbonate lens **extends far back** to protect the entire field of view, while the coloured/transparent polycarbonate frame adds a fashionable touch.

CE 2C-1.2 BRW 1 FT
CE BRW EN 166 FT

Order ID	Color frame	Color lenses	Coating
531005.0100	Transparent/green	Transparent	fog free

NERIOX





531007 Safety glasses NERIOX

Flexible

Safety glasses with **large all-round coverage** as well as a frame with **adjustable length and inclination**, mist-free polycarbonate lenses, nylon **padded nose bridge** to prevent pressure points over extended periods of wear.

Adjustable frame length and inclination.

CE BRW 1 F
CE BRW EN 166 F

Order ID	Color frame	Color lenses	Coating
531007.0100	black	Transparent	fog free



531008 Visitor safety glasses NERIOX

Visitor

Metal-free visitor safety glasses; suitable for **visitors or for wearing over corrective glasses**, the large mist-free polycarbonate field of view and wide frame provide optimum all-round protection, increased comfort with **side vents**.

CE 2C-1.2 BRW 1 F
CE BRW EN 166 F

Order ID	Color frame	Color lenses	Coating
531008.0100	Transparent	Transparent	fog free



531009 Visitor safety glasses NERIOX

Surface

Suitable for **visitors or for wearing over corrective glasses**, generous mist-free polycarbonate lens, **adjustable frame length and inclination** so that the glasses fit better to the wearer's head, increasing comfort.

Adjustable frame length and inclination.

CE 2C-1.2 BRW 1 F
CE BRW EN 166 F

Order ID	Color frame	Color lenses	Coating
531009.0100	transparent/black	transparent	fog free

533281 Respirator NERIOX

FFP2

Filter class FFP2 in accordance with EN 149, comfort range, **excellent wearing comfort**, no fogging of the lenses thanks to sweat-absorbing technology and well-sealed nose pad; keeps out solid particles as well as liquid, non-volatile aerosols up to 10 times the threshold limit value (MAK). With exhalation valve.

Box of 10

Order ID	Filter class	up to MAK value
533281.0100	FFP2	10x

NERIOX



533282 Respirator NERIOX

FFP3

Filter class FFP3 in accordance with EN 149, comfort range, **excellent wearing comfort**, keeps out solid particles as well as liquid, non-volatile aerosols up to 30 times the threshold limit value (MAK). With exhalation valve.

Box of 5

Order ID	Filter class	up to MAK value
533282.0100	FFP3	30x

NERIOX





533600 NERIOX safety helmet

EIGER

EIGER safety helmet with high-impact ABS plastic housing that redefines the limits of safety. Our helmet is the perfect combination of robustness and comfort, developed to meet your requirements.

Quick adjustment with ratchet function: Experience ultimate convenience with our innovative ratchet function that enables you to adjust the fit of the helmet in seconds.

Side chin strap adjustment: A secure fit is essential. With our side chin strap adjustment, you can adjust the helmet perfectly to your individual needs for a secure yet comfortable fit.

Adjustable six-point suspension system: Maximise your comfort with our adjustable six-point suspension system which provides outstanding shock absorption while ensuring an optimal fit.

Slide switch for optimal ventilation and cooling: Stay cool and focused even in the hottest conditions. Our helmet has a practical slide switch that enables you to adjust the ventilation and cooling to your liking.

Appropriate accessories:

- 533599.0200 NERIOX EIGER accessories f. sfty helmet Sweat band
- 533599.0300 NERIOX EIGER accessories f. sfty helmet Colourless safety visor
- 533599.0500 NERIOX EIGER accessories f. sfty helmet Ear defenders

Appropriate spare parts:

- 533599.0100 Spare part for NERIOX EIGER Adjustment wheel
- 533599.0400 Replacement part for safety helmet NERIOX EIGER Chin strap

EN 397:2012

Order ID	Colour
533600.0100	White
533600.0200	Yellow
533600.0300	Orange
533600.0400	Red
533600.0500	Blue
533600.0600	Black

533599 Accessories and spare parts for NERIOX EIGER safety helmet

Usable with:

533600 NERIOX safety helmet EIGER

Suitable for:

533600 NERIOX safety helmet EIGER



Order ID	Version
533599.0100	Adjustment wheel
533599.0200	Sweat band
533599.0300	Colourless safety visor
533599.0400	Chin strap
533599.0500	Ear defenders

532242 Ear plugs NERIOX

Made from skin-friendly, sound-absorbing **polyurethane foam** that is specially designed for use in environments with high noise exposure.

The **slim and soft, bullet-shaped ear plugs** are suitable for almost everyone and create an excellent seal against the ear, providing effective hearing protection as well as comfortable wearing. The ear plugs are **100% PVC free**. They are intended for single use and have a spherical shape that adapts gently to the ear canal. This not only ensures a secure fit, but also provides effective protection against harmful noise, especially in hot and humid conditions.

The soft, anti-allergenic material makes the ear plugs easy to insert and provides comfort without irritating the skin, even when worn for extended periods.

NERIOX



CE EN 352-2
Category III

Order ID	Packs	SNR value dB(A)	Contents
532242.0100	Box	36	200 pairs
532242.0200	PE bag	36	500 pairs

532057 Ear defenders NERIOX

Estandar, 28 dB

Easy-to-adjust ear defenders for a **snug fit to ensure optimal hearing protection**. The padded head-band and soft ear cushions enhance comfort, **even when using for extended periods**.

Appropriate accessories:

- 532100 Safety hearing protector box
- 532101 SecuPoint Wear hearing protection

These ear defenders are suitable for many areas of application, e.g. in civil engineering and road construction or when working with a pneumatic hammer.
Application: Continuous noise exposure of 85 to 113 dB

CE EN 352-1:2002
CE Kategorie II

Order ID	Type	SNR value dB(A)	Weight g
532057.0100	Estandar	28	205

NERIOX





536371 Softshell jacket NERIOX

Lenny, black
95% polyester, 5% elastane, inner: Warm micro-polar polyester, 300 g/m².

Full-length zip and chin guard, outer breast pocket with zip, metal eyelet for mobile phone cable, outer side pockets with zips, cuffs with adjustable hook and loop closure, elastic drawstring with stopper in hem, **waterproof and windproof** with hook and loop closure at cuffs.

Order ID	Size
536371.0100	S
536371.0200	M
536371.0300	L
536371.0400	XL
536371.0500	XXL



536373 Softshell sleeveless jacket NERIOX

Adam black
95% polyester, 5% elastane, inner: Warm micro-polar polyester, 300 g/m².

Continuous, concealed zip with chin guard, colour co-ordinated, **warm micro-fleece lining**, right breast pocket with zip, two zipped side pockets and elastic drawstring with stopper in hem.

Order ID	Size
536373.0100	S
536373.0200	M
536373.0300	L
536373.0400	XL
536373.0500	XXL

536408 Softshell jacket NERIOX

Gabriel, navy blue

Two layers, outer: 92% polyester, 8% elastane. Inner: 100% extra-warm micro-polar polyester, 300 gsm.

Very sporty softshell jacket, **water-resistant and wind-resistant**, full-length zip in contrasting colour with chin guard and zip pull, **microfleece lining in contrasting colour**, diagonal right breast pocket with concealed zip, two side pockets with concealed zip fasteners, pocket on the left sleeve, tone-on-tone elasticated finish on cuffs and hem, **removable hood** lined with microfleece in contrasting colour.

Full-length zip and chin guard, outer breast pocket with zip, metal eyelet for mobile phone cable, outer side pockets with zips, cuffs with adjustable hook and loop closure, elastic drawstring with stopper in hem, **waterproof and windproof** with hook and loop closure at cuffs.

Order ID	Size
536408.0100	S
536408.0200	M
536408.0300	L
536408.0400	XL
536408.0500	XXL

NERIOX





529561 Chip hook NERIOX

With simple hand protection shield, chrome-vanadium steel, galvanised, with ergonomic two-component handle, conical hook section, chips loosen better, reduces the risk of accidents during turning work.

Order ID	Length (without handle) mm
529561.0300	420

NERIOX

Construction and Building Trade





1...13 mm

692391 Twist drill set NERIOX

Packaged in a hinged plastic box, polished, in accordance with DIN 338, type N, HSS, cylindrical, right-hand cutting, sharpening angle 135 degrees. The drill has a point thinning for better centring when spot drilling, which eliminates the need for centre punching.

Order ID		692391.0100	692391.0200
Range	mm	1...10	1...13
Increment		0.5	0.5



680079 Floor fan NERIOX

Powerful 100 W floor fan with metal frame, metal blades and metal housing.

Order ID		680079.0100
Power consumption	W	100
Voltage	V/Hz	220...240 / 50
Plug type		T12
Size	mm	190 x 530
Ø	mm	530
Power levels		3
Cable length	m	1.8
Sound pressure level	dB(A)	65
Weight	kg	4.9

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