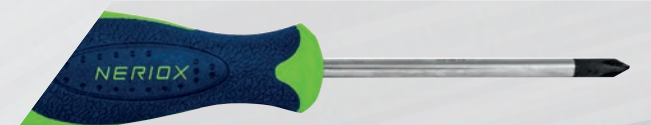


NERIOX
YOUR SMARTEST CHOICE

TOOLS



Next Level
NERIOX BOOKLET EN





A SMART TOOL
CHANGES YOU

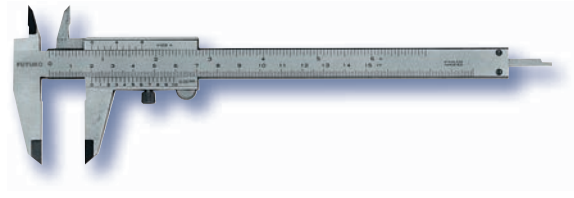
IT MAKES
YOU MORE
EFFICIENT

NERIOX is the new brand of Brüttsch/Rüegger Tools. It represents functional industrial quality at attractive prices. Our professional tools are the number one choice for anyone who wants to get the best out of themselves and out of their job. In short, they are **"YOUR SMARTEST CHOICE"**.

- We develop NERIOX tools to meet our customers' exact needs.
- With a fresh design, NERIOX products are smart – and easy on your wallet, too!
- With Brüttsch/Rüegger Tools quality management, you can be sure you will receive consistent industrial quality.
- We ship in-stock NERIOX products all over Europe within 24 hours.
- All products come complete with comprehensive tool services and assistance, too.



Content



S. **06** Metrology



S. **38** Machining and clamping technology





S. **80** Screwdrivers
and files



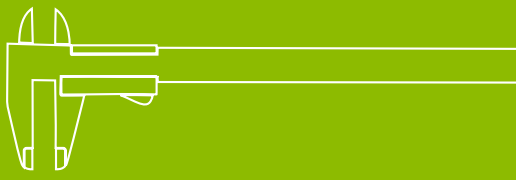
S. **108** Gripping and cutting
tools



S. **120** Hand, punch and
assembly tools



S. **130** Safety at work



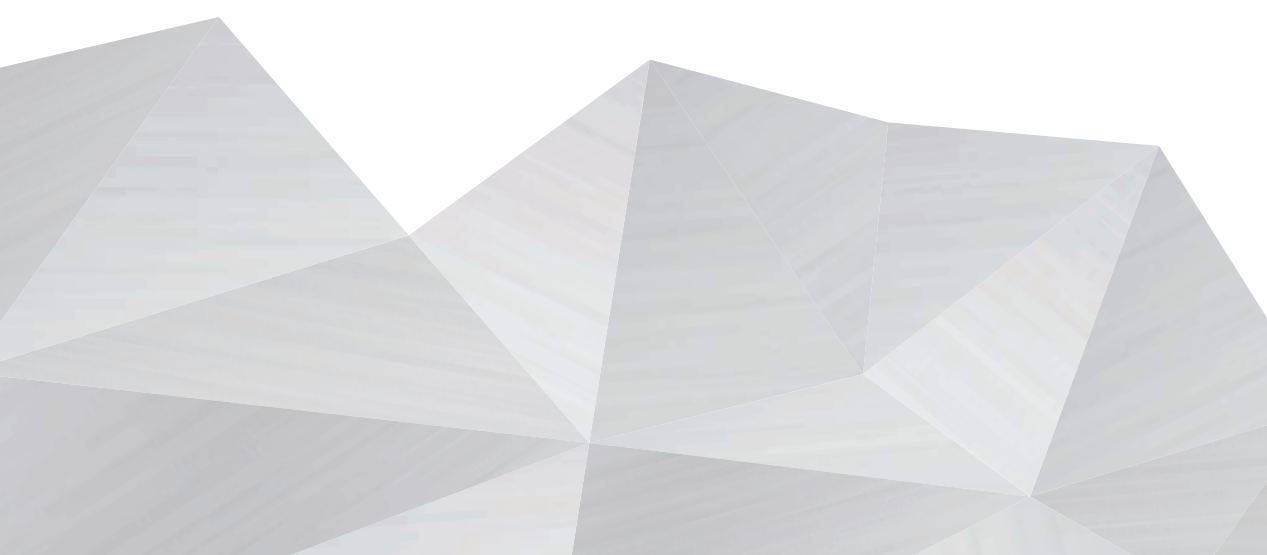
06 Metrology



S. 08 Caliper gauges



S. 12 Micrometers





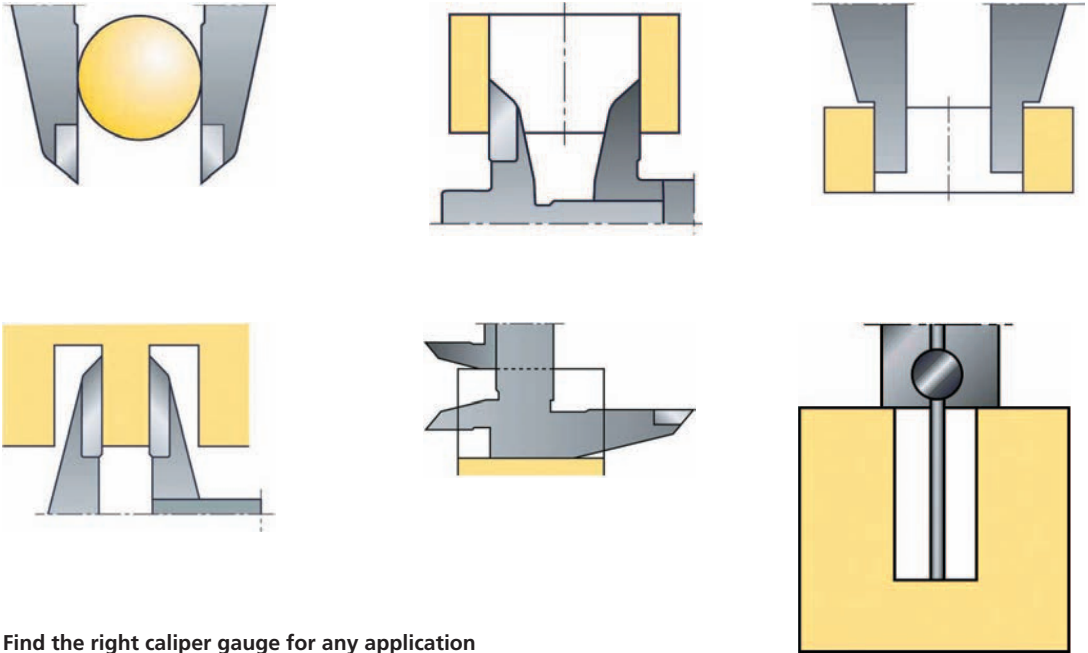
S. 14 Stands, prisms, height measuring instruments



S. 21 Flat squares, straightedges, compasses, angle measurers



S. 28 Centring devices, parallel gauge blocks, thread gauges



Find the right caliper gauge for any application

Our range of caliper gauges includes various brands, so you can always find the right caliper gauge for your application. For applications that require a high level of precision, use a top-quality product with a digital display and an increment of 0.01 mm or 1/50 mm Vernier. Opt for a caliper gauge with a readout increment of 1/10 mm or 1/20 mm if the application allows.

Margin of error

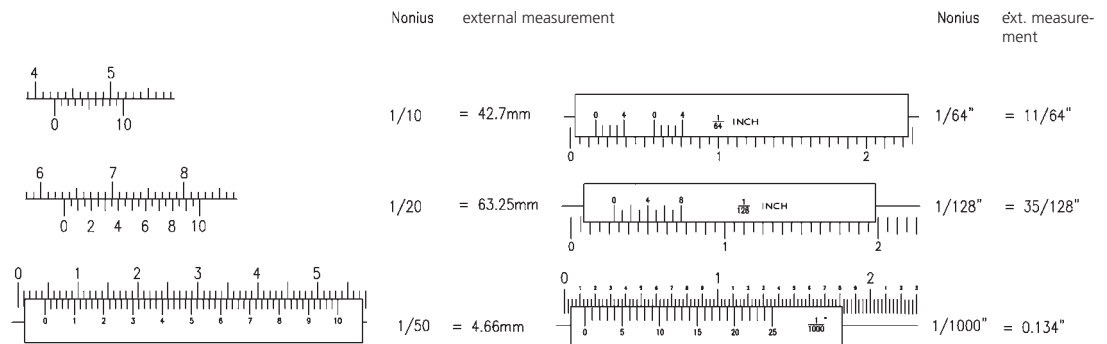
The following equation is used to calculate the margin of error (G). For the calculation, the values (mm) have been rounded to two decimal places. **The margin of error applies to measurements in which the direction of the measuring force does not change.** For measurements that include a change of direction, and for measurements using a depth gauge, the values increase by 20 µm. Dial caliper gauges or caliper gauges with an increment of 0.1 mm or 0.05 mm Vernier: $G = (20 + l/10 \text{ mm}) \mu\text{m} > 50 \mu\text{m}$.

Vernier: Reading examples

When reading the measurements, the index line on the Vernier scale should be treated as a decimal point that separates the whole numbers from the tenths of a millimetre. The number on the main scale to the left of the index line should be read first, as this represents the "whole" millimetres. Then look for the Vernier scale line to the right of the index line — it will be covering a scale line on the main scale. This then indicates the tenths of a millimetre. Never include the index line for the Vernier scale in the calculations. The procedure is the same for caliper gauges with 20 or 50 increments, or increments in inches.

Measuring range	Measuring range			Measuring range	Measuring range		
	0.1/0.05	0.02	0.01		0.1/0.05	0.02	0.01
mm	µm	µm	µm	mm	µm	µm	µm
50	50	20	20	800	100	40	40
100	50	30	30	900	110	40	40
200	50	30	30	1000	120	40	40
300	50	30	30	1200	140	50	—
400	60	30	30	1400	160	50	—
500	70	30	30	1600	180	60	—
600	80	30	30	1800	200	60	—
700	90	40	40	2000	220	60	—

Accuracy in accordance with DIN 862:
 Key
 A = resolution/Vernier scale
 B = digital resolution



109321 Caliper gauge digital NERIOX**Designs:****Type A:** depth gauge rectangular**Type B:** depth gauge round \varnothing 1.8 mm**Features:**

LCD display

ON/OFF function

Conversion mm/inch

Zero setting in any position

Package contents:

Delivered in case incl. declaration of conformity.

NERIOX

**Appropriate batteries:**

1 pieces 155051.0365 - SR44 (357) / 1.55 V (included in scope of delivery).

Order ID	Type	Range mm	Resolution mm	Measuring jaw length mm	Digit height mm	Price EUR
109321.0100	A	100	0.01	30	10	48.80
109321.0200	A	150	0.01	40	10	56.70
109321.0300	B	150	0.01	40	10	56.70

109398 Workshop caliper digital NERIOX

For large measuring ranges. Measuring jaw with knife-shaped measuring surfaces for external measurement.

Features:

LCD display

ON/OFF function

Conversion mm/inch

Zero setting in any position

Package contents:

Delivered in case incl. declaration of conformity.

NERIOX

**Appropriate batteries:**

1 pieces 155051.0365 - SR44 (357) / 1.55 V (included in scope of delivery).

Order ID	Range mm	Resolution mm	Range inside from mm	Measuring jaw length mm	Digit height mm	Price EUR
109398.0100	300	0.01	10	60	7	156.70

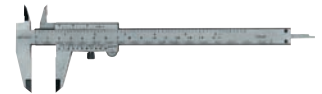
110851 Caliper gauge NERIOX**Double-V guide****Stainless** - hardened and ground, measuring surfaces precision-lapped. Scale graduations and vernier are on the same plane, making **reading parallax-free**. Fixed scale and vernier are satin chrome plated. With thread table on rear side.**Package contents:**

Delivered in own case.

Appropriate accessories:

111810 Measuring bridge FUTURO

NERIOX



Order ID	Range mm	Vernier bottom mm	Vernier top	Measuring jaw length mm	Price EUR
110851.0100	150	0.05	1/128"	40	64.40

110856 Caliper gauge NERIOX**Fixing screw on top****Stainless** - Vernier and scale satin chrome-plated, with thread table on rear side.**Package contents:**

Delivered in own case.

NERIOX

**Appropriate accessories:**

111810 Measuring bridge FUTURO

Order ID	Range mm	Vernier bottom mm	Vernier top	Measuring jaw length mm	Price EUR
110856.0100	150	0.05	1/128"	40	33.00
110856.0200	200	0.05	1/128"	50	47.20

110861 Caliper gauge NERIOX**Thumb locking****Stainless** - Vernier and scale satin chrome-plated, with thread table on rear side.**Package contents:**

Delivered in own case.

NERIOX

**Appropriate accessories:**

111810 Measuring bridge FUTURO

Order ID	Range mm	Vernier bottom mm	Vernier top	Measuring jaw length mm	Price EUR
110861.0100	150	0.05	1/128"	40	34.40

NERIOX

**111241 Shop caliper gauge NERIOX**

Version with fine adjustment - Stainless, blade tips, vernier and scale satin chrome-plated.

Package contents:

Delivered in own case.

Order ID	Range mm	Vernier bottom mm	Vernier top 1/128"	Range inside from mm	Measuring jaw length mm	Price EUR
111241.0100	300	0.05	1/128"	10	90	193.40
111241.0200	500	0.05	1/128"	20	150	479.10
111241.0300	800	0.05	1/128"	20	150	701.60
111241.0400	1000	0.05	1/128"	20	150	789.10

NERIOX

**111456 Plastic digital caliper gauge NERIOX**

Digital carbon fiber caliper gauge for external and internal measurements.

Designs:

Type A: Depth gauge, rectangular

Features:

LCD display
Conversion mm/inch
zero setting in any position
Automatic shutdown

Package contents:

Delivered in plastic box incl. operating instructions.

Appropriate batteries:

1 pieces 155051.0545 - CR2032 / 3.0 V (included in scope of delivery).

Order ID	Type	Range mm	Resolution mm	Measuring jaw length mm	Digit height mm	Weight g	Price EUR
111456.0100	A	150	0.1	40	15	60	15.94

NERIOX

**111821 Measuring probe set NERIOX for calipers**

5 pairs - Special probe made of steel, fits all caliper engages with a job thickness of max. 3.5 mm.

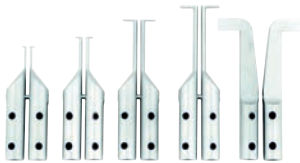
Features:

Inside and outside diameter measurements
Hard chrome-plated, for maximum wear resistance

Package contents:

Delivered in case, incl. hex key.

Order ID	111821.0100
Price EUR	428.34



1 / 2 / 3 / 4 / 5

NERIOX

**111891 Reference set NERIOX for caliper gauge**

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

Version:

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

Package contents:

Delivered in own case incl. ISO certificate.

Order ID	Set composition	Price EUR
111891.0100	30.3 / 41.3 / 131.4 / Ø 4 / Ø 25	373.65

112576 Depth gauge digital NERIOX**Designs:****Type TA:** Straight gauge rail**Features:**

LCD display

ON/OFF function

Conversion mm/inch

Zero setting in any position

Package contents:

Delivered in case incl. declaration of conformity.

NERIOX

**Appropriate batteries:**

1 pieces 155051.0365 - SR44 (357) / 1.55 V (included in scope of delivery).

Order ID	Type	Range mm	Resolution mm	Length of base mm	Digit height mm	Price EUR
112576.0100	TA	200	0.01	100	7	141.70
112576.0200	TA	300	0.01	100	7	175.00
112576.0300	TA	500	0.01	100	7	216.70

112891 Depth gauge FUTURO**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 own case.

NERIOX



Order ID	Type	Range mm	Vernier bottom mm	Length of base mm	Rail cross section mm	Price EUR
112891.0100	TA	200	0.05	100	10 x 4	58.00
112891.0200	TA	300	0.05	150	12 x 4	96.40
112891.0300	TE	200	0.05	100	10 x 4	122.20
112891.0400	TE	300	0.05	100	12 x 4	136.20
112891.0500	TD	200	0.05	100	10 x 4	92.30
112891.0600	TD	300	0.05	150	12 x 4	116.30



TA



TA



TE



TD

NERIOX



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 and adjustment gauge (from 25 mm).

Order ID	Range mm	Resolution mm	Accuracy µm	Measuring spindle Ø mm	Spindle pitch mm	Price EUR
115705.0100	0...25	0.01	4	6.5	0.5	21.70
115705.0200	25...50	0.01	4	6.5	0.5	24.20
115705.0300	50...75	0.01	5	6.5	0.5	30.60
115705.0400	75...100	0.01	5	6.5	0.5	37.00
115705.0500	100...125	0.01	6	6.5	0.5	88.70
115705.0600	125...150	0.01	6	6.5	0.5	103.20
115705.0700	150...175	0.01	7	6.5	0.5	112.10
115705.0800	175...200	0.01	7	6.5	0.5	119.30

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 and factory certificate.

Appropriate accessories:

116135 Device holder FUTURO

Order ID	115707.0100
Range	0...100
Resolution	0.01
Accuracy	4 / 5
Measuring spindle Ø	6.5
Spindle pitch	0.5
Instruments	4
Price EUR	122.00

NERIOX



up to 300 mm

115746 External micrometer NERIOX

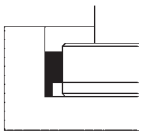
With interchangeable measuring anvil for a variable measuring range. Lightweight micrometer construction (from 300 mm), blue painted with feeler ratchet and clamping mechanism. Scale barrel and sleeve satin chrome-plated. Carbide-coated measurement surfaces, ground and precision-lapped.

Package contents:

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

Order ID	Range mm	Resolution mm	Accuracy µm	Measuring spindle Ø mm	Spindle pitch mm	Price EUR
115746.0100	100...200	0.01	7	6.5	0.5	373.00
115746.0200	200...300	0.01	9	6.5	0.5	411.50
115746.0300	300...400	0.01	11	8.0	0.5	618.30
115746.0400	400...500	0.01	13	8.0	0.5	682.40

NERIOX



120253 Set of internal micrometers FUTURO

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, ring gauges and declaration of conformity.

Appropriate accessories:

165030 Adjustable ring gauges FUTURO

Order ID		120253.0100	120253.0200	120253.0300	120253.0400
Range	mm	6...12	12...20	20...50	50...100
Resolution	mm	0.001	0.005	0.005	0.005
Accuracy	µm	4	5	5	5
Instruments		3	2	4	4
Range 1	mm	6...8	12...16	20...25	50...63
Range 2	mm	8...10	16...20	25...30	62...75
Range 3	mm	10...12	--	30...40	75...88
Range 4	mm	--	--	40...50	87...100
Adjusting ring Ø	mm	6 / 8 / 10	16	25 / 40	62 / 87
Measuring depth	mm	55	80	90 / 97	115
Extensions	pieces	1	1	1	1
Price EUR		810.20	561.30	1145.70	1441.10

120263 Internal micrometer NERIOX

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

Features:

Carbide-coated measuring surfaces
Satin chrome-plated vernier

Package contents:

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

Appropriate accessories:

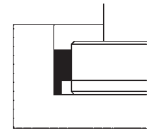
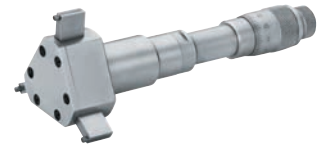
165030 Adjustable ring gauges FUTURO

Note:

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

Order ID	Range mm	Resolution mm	Accuracy μm	Adjusting ring \varnothing mm	Measuring depth mm	Price EUR
120263.0100	6...8	0.001	4	6	55	290.80
120263.0200	8...10	0.001	4	8	55	290.80
120263.0300	10...12	0.001	4	10	55	290.80
120263.0400	12...16	0.005	5	16	80	290.80
120263.0500	16...20	0.005	5	16	80	290.80
120263.0600	20...25	0.005	5	25	90	292.80
120263.0700	25...30	0.005	5	25	90	292.80
120263.0800	30...40	0.005	5	40	97	292.80
120263.0900	40...50	0.005	5	40	97	353.20
120263.1000	50...63	0.005	5	62	115	364.90
120263.1100	62...75	0.005	5	62	115	383.70
120263.1200	75...88	0.005	5	87	115	383.70
120263.1300	87...100	0.005	5	87	115	397.40

NERIOX



\varnothing 12 mm
for blind holes

120265 Internal micrometer NERIOX

Internal micrometers for measuring through holes and blind holes.

Features:

Carbide-coated measuring surfaces
Satin chrome-plated vernier

Package contents:

Delivered in case incl. ring gauge (120265.0500 **without** ring gauge) and declaration of conformity

Appropriate accessories:

164970 Ring gauges

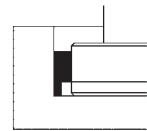
165030 Adjustable ring gauges FUTURO

Note:

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

Order ID	Range mm	Resolution mm	Accuracy μm	Measuring depth mm	Adjusting ring \varnothing mm	Price EUR
120265.0100	50...70	0.001	4	152	50	799.80
120265.0200	70...100	0.001	4	152	70	926.90
120265.0300	100...150	0.001	5	152	100	1409.40
120265.0400	150...250	0.001	7	152	150	2509.00
120265.0500	200...300	0.001	7	152	-	3164.20

NERIOX



\varnothing 50 mm
for blind holes

NERIOX



126851.0100

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	∅ 16 x 220	∅ 20 x 420
Horizontal arm	mm	∅ 16 x 180	∅ 16 x 180
Base	mm	70 x 46 x 65	75 x 60 x 80
Adhesive strength	N	600	800
Dial gauge holder	mm	∅ 8	∅ 8
Price EUR		71.40	94.00

NERIOX

**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.

Package contents:

Delivered in transport packaging, **without dial gauge**.

Appropriate accessories:

from 121450 Dial gauges

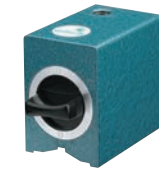
from 124210 Dial test indicators

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	∅ 8
Price EUR		112.60

NERIOX

126876 Accessories NERIOX**QUICK-CHECK**

Order ID	Designation	Price EUR
126876.0100	Swan neck NERIOX complete, length 285 mm, receptacle M10	66.10
126876.0200	Magnetic base NERIOX 70 x 46 x 65 / M10 / 600 N	58.80



NERIOX

**126911 Magnetic measuring stand NERIOX**

Small measuring stand with permanent magnet. Horizontal arm with fine adjustment, clamping piece with dovetail and ∅ 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		126911.0100	126911.0200
Height	mm	170	190
Vertical arm	mm	∅ 10	∅ 10
Horizontal arm	mm	∅ 8 x 130	∅ 8 x 130
Base	mm	∅ 35 x 30	∅ 40 x 50
Adhesive strength	N	250	400
Dial gauge holder	mm	∅ 8	∅ 8
Weight	kg	0.6	0.6
Price EUR		87.60	98.80

127101 Measuring stand NERIOX

NERIOX

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

Package contents:

Delivered in transport packaging, **without dial gauge.**

Appropriate accessories:

from 121450 Dial gauges
from 124210 Dial test indicators

Order ID		127101.0100
Height	mm	300
Vertical arm	mm	$\varnothing 16$
Horizontal arm	mm	$\varnothing 16 \times 180$
Base	mm	$250 \times 60 \times 35$
Dial gauge holder	mm	$\varnothing 8$
Weight	kg	3.8
Price EUR		274.40

**127151 Accessories NERIOX for stands**

NERIOX

Further accessories on request

Order ID	Designation	Price EUR
127151.0100	Universal joint NERIOX $\varnothing 8 / \varnothing 8$	35.90

**127501 Hard-stone measuring table NERIOX**

NERIOX

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

Package contents:

Delivered in transport packaging, **without dial gauge.**

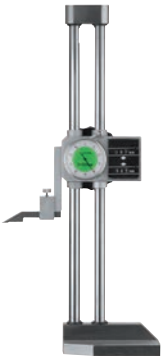
Appropriate accessories:

starting from 121450 Dial gauges

Order ID		127501.0100
Measuring height	mm	150
Capacity	mm	60
Table size	mm	$100 \times 200 \times 50$
Evenness	μm	3
Vertical arm	mm	$\varnothing 22$
Height	mm	260
Dial gauge holder	mm	$\varnothing 8$
Weight	kg	4
Price EUR		258.82



NERIOX



137881 Height measuring /scribing instrument NERIOX FDZ

Dual meter and dial gauge - for rapid and reliable reading. Height adjustment with hand wheel, scribing needle carbide-coated, round dial with 0.01 mm graduation. Two mechanical digital displays with counters running in opposite directions for whole millimetres. Both counters can be independently set to zero as required.

Package contents:

Delivered in transport packaging incl. declaration of conformity.

Order ID	Range mm	Resolution mm	Accuracy µm	Weight kg	Price EUR
137881.0100	300	0.01	40	4.3	319.00

NERIOX



137891 Accessories NERIOX

Suitable for:

137881 Height measuring /scribing instrument NERIOX FDZ

Order ID	Designation	Price EUR
137891.0100	Scribing blade to Height gauge NERIOX HDZ	24.77

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	Price EUR
139202.0100	150	6.50

NERIOX

**139204 Replacement tips NERIOX**

Replacement scriber needles, in set of 12.

Order ID	Price EUR
139204.0100	2.50

NERIOX

**139231 Engineer's scriber NERIOX**

Hardened version with knurled metal handle.

Order ID	Length mm	Price EUR
139231.0100	180	1.70

NERIOX

**139265 Engineers Scriber NERIOX**

Tips made of steel, straight and curved. Red handle, plastic, length 70 mm.

Order ID	Length mm	Price EUR
139265.0100	220	2.60

NERIOX

**139271 Engineers Scriber NERIOX**

With hardened steel tips, handle made of aluminium.

Order ID	Length mm	Price EUR
139271.0100	180	4.40

NERIOX

**139391 Carbide scriber NERIOX**

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

Note:

The carbide tip cannot be replaced.

Order ID	Length mm	Price EUR
139391.0100	140	7.90

NERIOX



NERIOX

**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 with \varnothing 8 mm, Scribing needle \varnothing 2 mm hardened and replaceable.

Package contents:

Delivered in holster, including 1 replacement scriber needle.

Order ID	Range mm	Vernier mm	Price EUR
139571.0100	200	0.1	29.00

NERIOX

**139576 Replacement scriber NERIOX****to scribe gauge**

\varnothing 2 mm, made of steel, hardened.

Suitable for:

139571 Stainless scribe gauge NERIOX

Order ID	139576.0100
Price EUR	4.20

NERIOX

**139606 Metalworker's scribe gauge NERIOX**

Stroke measure with flat slider. Chrome-plated version, hardened.

Package contents:

Delivered in transport packaging.

Order ID	Range mm	Resolution mm	Price EUR
139606.0100	200	1	30.00
139606.0200	250	1	34.40
139606.0300	300	1	38.10

139796 Compass NERIOX

Ground and polished with hardened and ground measurement surfaces.

Order ID	Length mm	Price EUR
139796.0100	150	6.90
139796.0200	200	8.90
139796.0300	250	11.80
139796.0400	300	13.90
139796.0500	400	26.20
139796.0600	500	43.00

NERIOX

**139801 Compass NERIOX with adjusting bow**

Ground and polished with hardened and ground measuring surfaces.

Order ID	Length mm	Price EUR
139801.0100	150	8.76
139801.0200	200	11.48
139801.0300	250	15.68
139801.0400	300	18.49
139801.0500	400	35.04
139801.0600	500	52.56

NERIOX

**139811 Inside compass NERIOX**

Ground and polished version.

Order ID	Length mm	Price EUR
139811.0100	150	5.02
139811.0200	200	6.78
139811.0300	250	8.91
139811.0400	300	10.41

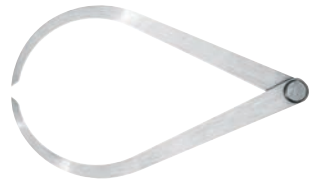
NERIOX

**139831 Caliper compass NERIOX**

Ground and polished version.

Order ID	Length mm	Price EUR
139831.0100	150	5.02
139831.0200	200	6.78
139831.0300	300	10.41

NERIOX



NERIOX



140281 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:

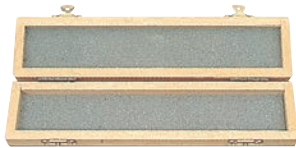
Delivered in leatherette case.

Appropriate accessories:

140296 Wooden case NERIOX

Order ID	Length mm	Price EUR
140281.0100	50	15.31
140281.0200	75	12.58
140281.0300	100	14.04
140281.0400	125	16.95
140281.0500	150	19.14
140281.0600	200	24.79
140281.0700	300	46.94
140281.0800	400	72.90
140281.0900	500	117.56

NERIOX



140296 Wooden case NERIOX

For precision knife-edge straight-edge.

Usable with:

140281 Precision straight-edge NERIOX DIN 874/00

Order ID	for length mm	Price EUR
140296.0100	100	10.90
140296.0200	150	13.80
140296.0300	200	15.70
140296.0400	300	20.10
140296.0500	400	29.30

NERIOX



140303 NERIOX knife-edge straightedge set

DIN 874/00

Highly suitable for **measurements all the way to the corners of grooves and blind holes**. Set consisting of 6 knife-edge straightedges, hardened and ground on all sides.

Knife-edge straightedge lengths:

8 / 12 / 16 / 20 / 30 / 40 mm

Knife-edge straightedge thickness:

5 mm

Package contents:

Delivered in wooden case.

Order ID	Length mm	Thickness mm	Price EUR
140303.0100	8 / 12 / 16 / 20 / 30 / 40	5	228.38

140461 Metalworker's flat square NERIOX

Made of steel, cleanly processed. Surface zinc-plated, uprights and flat sides smoothed.

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

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140461.0100	100 x 70	5 x 20	6.50
140461.0200	150 x 100	5 x 20	7.10
140461.0300	200 x 130	5 x 20	7.90
140461.0400	250 x 160	5 x 25	9.50
140461.0500	300 x 180	5 x 25	10.20
140461.0600	400 x 230	5 x 30	14.10
140461.0700	500 x 280	5 x 30	15.80
140461.0800	600 x 330	5 x 30	20.70
140461.0900	750 x 375	5 x 30	25.30
140461.1000	1000 x 500	5 x 30	29.70

NERIOX

**140471 Metalworker's try square NERIOX**

Made of steel, cleanly processed. Surface zinc-plated, uprights and flat sides smoothed.

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

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140471.0100	100 x 70	5 x 20	8.70
140471.0200	150 x 100	5 x 20	10.20
140471.0300	200 x 130	5 x 20	13.30
140471.0400	250 x 160	5 x 25	16.50
140471.0500	300 x 180	5 x 25	18.60
140471.0600	400 x 230	5 x 30	24.40
140471.0700	500 x 280	5 x 30	33.40
140471.0800	600 x 330	5 x 30	46.50
140471.0900	750 x 375	5 x 30	51.40
140471.1000	1000 x 500	5 x 30	67.20

NERIOX

**140496 Mitre try square 135° NERIOX**

DIN 875/II

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

Order ID	Side lengths mm	Profile mm	Price EUR
140496.0100	120 x 80	20 x 5	21.50
140496.0200	150 x 100	25 x 5	25.10
140496.0300	200 x 130	25 x 5	34.40

NERIOX

**140506 Acute angle 45° NERIOX**

DIN 875/II

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

Order ID	Side lengths mm	Profile mm	Price EUR
140506.0100	120 x 80	20 x 5	20.60
140506.0200	150 x 100	20 x 5	24.20
140506.0300	200 x 130	25 x 5	33.00

NERIOX

**140511 Acute angle try square 45° NERIOX**

DIN 875/II

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

Order ID	Side lengths mm	Profile mm	Price EUR
140511.0100	120 x 80	20 x 5	29.50
140511.0200	150 x 100	20 x 5	33.90
140511.0300	200 x 130	25 x 5	47.00

NERIOX



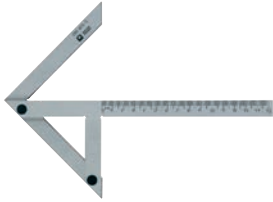
NERIOX

**140521 Flange square NERIOX**

Made of steel, zinc-plated. Uprights and flat sides processed.

Order ID	Side lengths mm	Flange width mm	Profile mm	Price EUR
140521.0100	300 x 300	110 x 50	30 x 5	20.10
140521.0200	400 x 400	120 x 60	30 x 5	24.20
140521.0300	500 x 500	130 x 75	30 x 5	30.60

NERIOX

**140535 NERIOX centring angle**

DIN 875/I

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

Order ID	Side lengths mm	for shafts Ø mm	Price EUR
140535.0100	100 x 70	90	42.30
140535.0200	150 x 130	190	48.90
140535.0300	200 x 150	220	56.40

NERIOX

**140556 Flat square NERIOX**

DIN 875/II

Made of steel, with uprights and flat sides ground, inspection faces precision-ground. For use in general shop applications.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140556.0100	75 x 50	15 x 5	7.20
140556.0200	100 x 70	20 x 5	8.10
140556.0300	150 x 100	25 x 5	10.90
140556.0400	200 x 130	30 x 6	15.60
140556.0500	250 x 160	35 x 7	23.00
140556.0600	300 x 175	35 x 7	28.30
140556.0700	400 x 200	35 x 7	46.10
140556.0800	500 x 250	40 x 8	58.80
140556.0900	600 x 300	40 x 8	73.30
140556.1000	750 x 375	45 x 10	99.20
140556.1100	1000 x 500	50 x 10	148.40

NERIOX

**140561 Try square NERIOX**

DIN 875/II

Made of steel, with uprights and flat sides ground, inspection faces precision-ground. For use in general shop applications.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140561.0100	75 x 50	15 x 5	9.70
140561.0200	100 x 70	20 x 5	11.30
140561.0300	150 x 100	25 x 5	17.20
140561.0400	200 x 130	30 x 6	21.40
140561.0500	250 x 165	35 x 7	32.10
140561.0600	300 x 175	35 x 7	39.10
140561.0700	400 x 200	35 x 7	59.70
140561.0800	500 x 250	40 x 8	78.20
140561.0900	600 x 300	40 x 8	97.50
140561.1000	750 x 375	45 x 10	133.50
140561.1100	1000 x 500	50 x 10	198.50

140571 Flat square NERIOX

DIN 875/I

Made of steel, uprights and flat sides ground, inspection faces precision-ground. For use in checking and precise work.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140571.0100	75 x 50	15 x 5	9.00
140571.0200	100 x 70	20 x 5	10.10
140571.0300	150 x 100	25 x 6	13.30
140571.0400	200 x 130	30 x 6	18.50
140571.0500	250 x 165	35 x 7	29.30
140571.0600	300 x 200	40 x 8	36.60
140571.0700	400 x 265	45 x 10	80.50
140571.0800	500 x 330	50 x 10	115.80
140571.0900	600 x 400	50 x 10	188.10
140571.1000	750 x 500	60 x 12	338.90
140571.1100	1000 x 660	70 x 15	511.10

NERIOX

**140576 Try square NERIOX**

DIN 875/I

Made of steel, uprights and flat sides ground, inspection faces precision-ground. For use in checking and precise work.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140576.0100	75 x 50	15 x 5	12.40
140576.0200	100 x 70	20 x 5	13.90
140576.0300	150 x 100	25 x 5	20.40
140576.0400	200 x 130	30 x 6	25.90
140576.0500	250 x 165	35 x 7	37.50
140576.0600	300 x 200	40 x 8	48.40
140576.0700	400 x 265	45 x 10	123.00
140576.0800	500 x 330	50 x 10	168.20
140576.0900	600 x 400	50 x 10	271.40
140576.1000	750 x 500	60 x 12	452.30
140576.1100	1000 x 660	70 x 15	673.90

NERIOX

**140581 Stainless flat square NERIOX**

DIN 875/I

Made of stainless steel, uprights and flat sides ground, inspection faces precision-ground. For use in checking and precise work.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140581.0100	75 x 50	15 x 5	12.50
140581.0200	100 x 70	20 x 5	14.50
140581.0300	150 x 100	25 x 5	20.40
140581.0400	200 x 130	30 x 6	30.70
140581.0500	250 x 165	35 x 7	44.40
140581.0600	300 x 200	40 x 8	58.00
140581.0700	400 x 265	45 x 10	163.30
140581.0800	500 x 330	50 x 10	216.00
140581.0900	600 x 400	50 x 10	412.80
140581.1000	750 x 500	60 x 12	601.60
140581.1100	1000 x 660	70 x 15	1106.50

NERIOX

**140586 Stainless try square NERIOX**

DIN 875/I

Made of stainless steel, uprights and flat sides ground, inspection faces precision-ground. For use in checking and precise work.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Profile mm	Side lengths mm	Price EUR
140586.0100	15 x 5	75 x 50	17.90
140586.0200	20 x 5	100 x 70	22.10
140586.0300	25 x 5	150 x 100	35.10
140586.0400	30 x 6	200 x 130	46.10
140586.0500	35 x 7	250 x 165	64.60
140586.0600	40 x 8	300 x 200	86.90
140586.0700	45 x 10	400 x 265	223.10
140586.0800	50 x 10	500 x 330	291.60
140586.0900	50 x 10	600 x 400	540.10
140586.1000	60 x 12	750 x 500	904.50
140586.1100	70 x 15	1000 x 660	1510.50

NERIOX



NERIOX

**140601 Flat square NERIOX****DIN 875/0**

Made of steel, uprights and flat sides ground, inspection faces precision-ground. For use in checking and precise work.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140601.0100	75 x 50	15 x 5	16.10
140601.0200	100 x 70	20 x 5	18.80
140601.0300	150 x 100	25 x 5	23.50
140601.0400	200 x 130	30 x 6	38.40
140601.0500	250 x 160	35 x 7	57.00
140601.0600	300 x 200	40 x 8	77.80
140601.0700	400 x 265	45 x 10	150.20
140601.0800	500 x 330	50 x 10	182.70

NERIOX

**140606 Try square NERIOX****DIN 875/0**

Made of steel, uprights and flat sides ground, inspection faces precision-ground. For use in checking and precise work.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140606.0100	75 x 50	15 x 5	23.50
140606.0200	100 x 70	20 x 5	29.80
140606.0300	150 x 100	25 x 5	40.30
140606.0400	200 x 130	30 x 6	60.60
140606.0500	250 x 160	35 x 7	95.00
140606.0600	300 x 200	40 x 8	119.40
140606.0700	400 x 265	45 x 10	229.80
140606.0800	500 x 330	50 x 10	296.70

NERIOX

**140611 Stainless flat square NERIOX****DIN 875/0**

Made of stainless steel, with uprights and flat sides ground, inspection faces precision-ground. Suitable for inspection purposes and precise work.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140611.0050	50 x 40	12 x 5	24.40
140611.0100	75 x 50	15 x 5	30.60
140611.0200	100 x 70	20 x 5	37.50
140611.0300	150 x 100	25 x 5	49.30
140611.0400	200 x 130	30 x 6	64.70
140611.0500	250 x 160	35 x 7	88.60
140611.0600	300 x 200	40 x 8	123.00
140611.0700	400 x 265	45 x 10	233.40
140611.0800	500 x 330	50 x 10	294.90

NERIOX

**140616 Stainless try square NERIOX****DIN 875/0**

Made of stainless steel, uprights and flat sides ground, inspection faces precision-ground. Suitable for inspection purposes and precise work.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140616.0050	50 x 40	12 x 5	37.90
140616.0100	75 x 50	15 x 5	41.66
140616.0200	100 x 70	20 x 5	50.80
140616.0300	150 x 100	25 x 5	67.00
140616.0400	200 x 130	30 x 6	91.66
140616.0500	250 x 160	35 x 7	151.00
140616.0600	300 x 200	40 x 8	163.00
140616.0700	400 x 265	45 x 10	281.66
140616.0800	500 x 330	50 x 10	387.50

140646 Wooden case NERIOX

For flat, try and precision squares.

Versions:

Up to 100 mm: For squares with and without stop

From 150 mm: For squares without stop

Order ID	for sizes mm	Price EUR
140646.0100	75 x 50	8.74
140646.0200	100 x 70	9.38
140646.0300	150 x 100	11.39
140646.0400	200 x 130	13.49

NERIOX

**140701 Bevelled precision square NERIOX**

DIN 875/00

Made of hardened steel, gunmetal finish with 2 wedge-shaped knife edges. Uprights and flat sides ground.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140701.0100	50 x 40	14 x 4.5	25.90
140701.0200	75 x 50	16 x 4	30.20
140701.0300	100 x 75	20 x 5	33.00
140701.0400	150 x 100	28 x 6	55.20
140701.0500	200 x 130	30 x 7	68.70

NERIOX

**140711 Bevelled stainless precision square NERIOX**

DIN 875/00

Made of hardened stainless steel, with 2 wedge-shaped knife edges. Uprights and flat sides ground.

Appropriate accessories:

140646 Wooden case NERIOX

Order ID	Side lengths mm	Profile mm	Price EUR
140711.0100	50 x 40	14 x 4.5	26.20
140711.0200	75 x 50	16 x 4	30.80
140711.0300	100 x 75	20 x 5	33.50
140711.0400	150 x 100	28 x 6	56.10
140711.0500	200 x 130	30 x 7	74.60

NERIOX

**140977 Protractor digital NERIOX**

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

Features:

Reading 0.05°

Measurement range 180°

Package content:

Supplied in synthetic leather bag.

Appropriate batteries:

1 pieces 155051.0545 - CR2032 / 3.0 V (included in scope of delivery).

Order ID	Partial arc Ø mm	Side length mm	Accuracy	Price EUR
140977.0100	120	150	0.3°	96.96
140977.0200	150	200	0.3°	128.99
140977.0300	200	300	0.3°	155.31

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:

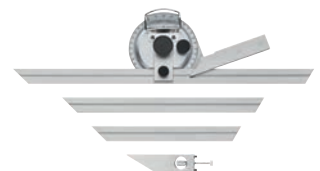
Delivered in a case with 3 rulers 150 mm, 200 mm and 300 mm incl. declaration of conformity.

Appropriate accessories:

141031 Accessories NERIOX

Order ID	Straight edge length mm	Scaling	Resolution	Price EUR
141051.0100	150 / 200 / 300	4 x 90°	5' (1/12°)	152.00

NERIOX



NERIOX



140761.0100

140761 Stainless toolmaker square NERIOX**DIN 875/00**

Made of stainless hardened steel, 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	Price EUR
140761.0100	25 x 20	5.0 x 3.5	20.80
140761.0200	40 x 28	5.5 x 3.5	20.80

NERIOX

**140781 Toolmaker square NERIOX****DIN 875/0**

Precision version with accuracy in compliance with DIN 875/0 and movable knife-edge straightedge. All measurement surfaces ground and lapped. Suitable for checking work via the air-gap method.

Package contents:

Delivered in case.

Order ID	Straight edge length mm	Price EUR
140781.0100	60 x 4 x 4	92.30

NERIOX

**140791 Toolmaker square NERIOX****adjustable**

Angle can be set - Made of steel, with chrome-plated read section. Angle adjustment using micrometer screw up to 5°, with division 5', accuracy 3', straightedge parallelism 0.001 mm. Suitable for measurement and checking work in tool and mould construction.

Package contents:

Delivered in case.

Appropriate accessories:

140796 Knife-edge straight-edges NERIOX

Order ID	Straight edge length mm	Adjustability	Division	Handle length mm	Price EUR
140791.0100	100	5°	5'	60	204.70

NERIOX



140796.0100

140796.0200

140796 Knife-edge straight-edges NERIOX

For toolmaker square with 5° setting option.

Designs:**140796.0100:** Standard straightedge**140796.0200:** Straightedge with tapered end**Usable with:**

140791 Toolmaker square NERIOX adjustable

Order ID	140796.0100	140796.0200
Price EUR	42.50	49.30

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	Price EUR
140821.0100	CLASSIC	125.70

140981 Protractor NERIOX

Brushed chrome plated with adjustable bar and locking screw. For measuring angles of 10°...170°.

Order ID	Partial arc Ø mm	Side length mm	Price EUR
140981.0100	100	150	43.00
140981.0200	150	300	51.70
140981.0300	200	400	62.00
140981.0400	250	500	70.60
140981.0500	300	600	106.60

NERIOX

**140970 Bevel square with protractor NERIOX**

Made of steel with locking screw. For measuring angles of 0...180°.

Order ID	Partial arc Ø mm	Side length mm	Price EUR
140970.0100	80	120	24.97
140970.0200	120	150	29.67
140970.0300	150	200	35.30
140970.0400	200	300	45.31
140970.0500	300	600	71.28

NERIOX

**140961 Bevel square NERIOX**

Made of galvanised steel, not divided into degrees.

Order ID	Side length mm	Price EUR
140961.0100	200	9.60
140961.0200	250	12.80
140961.0300	300	16.50
140961.0400	400	21.70
140961.0500	500	26.20

NERIOX

**141031 Accessories NERIOX**

Order ID	Designation	Price EUR
141031.0100	Straightedge 150 mm	28.44
141031.0200	Straightedge 200 mm	31.45
141031.0300	Straightedge 300 mm	33.72
141031.0400	Panoramic magnifier	25.51

NERIOX

NERIOX

**178121 Centre finder NERIOX**

With non-rotating dial for determining the centres of bores and shafts. Sturdy metal casing suitable for workshop use. Holding rod can be fitted on the left or right. Centre finder can be used vertically and horizontally.

Features:

Clamping shank \varnothing 10mm

Dial \varnothing 42 mm

Dial indicator-measuring range 3mm, scale graduation 0.01 mm

Recommended speed of spindle 50...100 rpm

Overall height without contact point 140 mm.

Length without shank and probe 118mm

Package contents:

Delivered in own case with centre finder, holding rod and 7 inserts.

3 pcs. internal contact point

1 pc. 50 mm for \varnothing 3.5...100 mm

1 pc. 100 mm for \varnothing 50...200 mm

1 pc. 150 mm for \varnothing 50...300 mm

3 pcs. external contact point, curved

1 pc. 50 mm pour \varnothing 0...100 mm

1 pc. 100 mm pour \varnothing 0...200 mm

1 pc. 150 mm pour \varnothing 0...300 mm

1 pc. spring centre punch (centre contact point)**Appropriate spare parts:**

178131 Accessories NERIOX Accessories for center finder

Order ID	for outside \varnothing mm	for inside \varnothing mm	Accuracy mm	Price EUR
178121.0100	0...300	3.5...300	0.02	299.00

NERIOX



178145.0100

178145.0200

178145 Centring articulated stands NERIOX

Infinitely adjustable mechanical central clamping, holder with clamping shaft \varnothing 8 mm or dovetail.

Package contents:

Delivered in transport packaging, dial gauge not included.

Order ID	Shaft \varnothing mm	Shank length mm	Radius of action mm	Price EUR
178145.0100	8	40	150	34.37
178145.0200	8	40	280	44.32

143431 Clamping brackets NERIOX

NERIOX

for V-block

Aluminium design.

Suitable for:

143451 V-block pair NERIOX with V-support Hardened version

143460 V-block pair with V-support, stainless steel Hardened version

Order ID	Prism width mm	Price EUR
143431.0100	40	22.80
143431.0200	55	25.00
143431.0300	75	27.00

**143451 V-block pair NERIOX with V-support**

NERIOX

Hardened version

Special steel, hardened and ground in pairs

Accuracy 0.004 mm: For parallel / corner setting (flat sides and edges, v-support - inlaid arbor - for flat edge).**Package contents:**

Delivered in transport packaging including clamping yokes.

Appropriate spare parts:

143431 Clamping brackets NERIOX for V-block

Order ID	Length mm	Width mm	Height mm	Incision	for Ø mm	Price EUR
143451.0100	50	40	40	90°	5...30	138.80
143451.0200	75	55	55	90°	5...50	184.40
143451.0300	100	75	75	90°	7...70	303.00

**143521 V-block pairs NERIOX with v-grooves**

NERIOX

Hardened versionHardened version in special steel, ground in pairs, **accuracy 0.004 mm.****Package contents:**

Delivered in transport packaging.

Order ID	Length mm	Width mm	Height mm	Incision	for Ø mm	Weight per unit kg	Price EUR
143521.0100	75	35	30	90°	5...40	0.48	131.20
143521.0200	100	47	40	90°	5...55	1.10	201.40

**143601 Vee NERIOX with V support**

NERIOX

Magnetic**Single vee** 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**Package contents:**

Delivered in 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
for 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
Price EUR	352.80	479.40	402.50	529.20



143601.0100/0200



143601.0300/0400

Points to note about parallel gauge blocks Information Site 

Parallel gauge blocks

Parallel gauge blocks are currently the length measurement standard with the smallest measurement uncertainty. They form the basis of industrial length measurement technology because most measurements in this field refer back to parallel gauge blocks as their reference standards.

Selection of the tolerance classes

Tolerance Class 0

As the primary standard for monitoring working gauge blocks. For setting measuring instruments and measuring machines with high accuracy.

Tolerance Class 1

For setting and calibrating gauges and measuring devices in testing rooms and inspection areas.

Tolerance Class 2

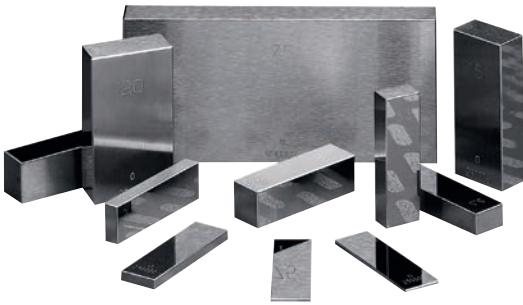
Standard gauge blocks, in general use as practical measurement standards at testing positions in manufacture for setting, checking, calibrating measuring instruments, tools and fixtures.

Material selection

Steel guaranteed for normal use. Many years of normal use without unacceptable reduction in accuracy.

Carbide is an exceptionally durable material. Parallel gauge blocks made of carbide are recommended if the abrasive nature of the environment demands high surface hardness / resistance to abrasion.

Ceramic material is extremely hard-wearing. Its superior material properties are the result of high hardness combined with high toughness. With minimal sensitivity to shock, high resistance to abrasion and high corrosion resistance to acids and alkalis, it is the ideal material for use even in production-related areas and measuring laboratories.



Parallel gauge blocks: maximum length deviation from nominal length (at any point*) and tolerances for the deviation range (Extract from DIN EN ISO 3650, table 4)

Nominal size range		Tolerance Class 0		Tolerance Class 1		Tolerance Class 2	
		Maximum length deviation from nominal length*	Tolerance for the deviation span	Maximum length deviation from nominal length*	Tolerance for the deviation span	Maximum length deviation from nominal length*	Tolerance for the deviation span
mm from	to	$\pm t_e$ μm	t_v μm	$\pm t_e$ μm	t_v μm	$\pm t_e$ μm	t_v μm
-	10	0.12	0.10	0.20	0.16	0.45	0.30
10	25	0.14	0.10	0.30	0.16	0.60	0.30
25	50	0.20	0.10	0.40	0.18	0.80	0.30
50	75	0.25	0.12	0.50	0.18	1.00	0.35
75	100	0.30	0.12	0.60	0.20	1.20	0.35
100	150	0.40	0.14	0.80	0.20	1.60	0.40
150	200	0.50	0.16	1.00	0.25	2.00	0.40
200	250	0.60	0.16	1.20	0.25	2.40	0.45
250	300	0.70	0.18	1.40	0.25	2.80	0.50
300	400	0.90	0.20	1.80	0.30	3.60	0.50
400	500	1.10	0.25	2.20	0.35	4.40	0.60
500	600	1.30	0.25	2.60	0.40	5.00	0.70
600	700	1.50	0.30	3.00	0.45	6.00	0.70
700	800	1.70	0.30	3.40	0.50	6.50	0.80
800	900	1.90	0.35	3.80	0.50	7.50	0.90
900	1000	2.00	0.40	4.20	0.60	8.00	1.00

163313 Parallel gauge block set NERIOX steel

NERIOX

Tolerance class 1

For testing outside micrometers to DIN 863 Part 1.
The set consists of 5 parallel gauge blocks: 5.1 / 10.3 / 15.0 / 20.2 / 25.0 mm.

Package contents:

Delivered in own case incl. calibration certificate.

Order ID	Class of accuracy	Price EUR
163313.0100	1	321.40



with calibration certificate

163315 Parallel gauge block set NERIOX ceramic

NERIOX

Tolerance class 1

For testing outside micrometers to DIN 863 Part 1.

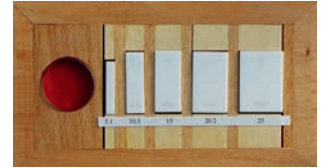
Set consisting of:

5 parallel gauge blocks 5.1 / 10.3 / 15.0 / 20.2 / 25.0 mm
1 planar glass Ø 32 x 12mm

Package contents:

Delivered in own case incl. calibration certificate.

Order ID	Class of accuracy	Price EUR
163315.0100	1	530.40



With calibration certificate

163401 Steel parallel gauge block set NERIOX

NERIOX

Tolerance class 2

DIN EN ISO 3650 - These gauge blocks are mainly used as **working measurement standards for setting and testing** tools, fixtures and machines, and for inspections in production.

Package contents:

Delivered in own case incl. calibration certificate.

Order ID	Number	Price EUR
163401.0100	32	186.20
163401.0200	47	268.70
163401.0300	87	376.80
163401.0400	103	443.50



With calibration certificate

Type of parallel gauge block			32	47	87	103
Nominal size	Grading	Number				
1.005		1	**			
1.01...1.09	0.01	9	**			
1.10...1.90	0.1	9	**			
1...9	1	9	**			
10...30	10	3	**			
50		1	**			
1.005		1		**		
1.01...1.20	0.01	20		**		
1.30...1.90	0.1	7		**		
1...9	1	9		**		
10...100	10	10		**		
1.001...1.009	0.001	9			**	
1.01...1.49	0.01	49			**	
0.5...9.50	0.5	19			**	
10...100	10	10			**	
1.005		1				**
1.01...1.49	0.1	49				**
0.5...24.5	0.5	49				**
25...100	25	4				**

Set composition

NERIOX

163411 Steel parallel gauge block set NERIOX

Tolerance class 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 in own case incl. calibration certificate.



With calibration certificate

Order ID	Number	Price EUR
163411.0100	32	284.90
163411.0200	47	407.00
163411.0300	87	644.00
163411.0400	103	768.00

Type of parallel gauge block			32	47	87	103
Nominal size	Grading	Number				
1.005		1	**			
1.01...1.09	0.01	9	**			
1.10...1.90	0.1	9	**			
1...9	1	9	**			
10...30	10	3	**			
50		1	**			
1.005		1		**		
1.01...1.20	0.01	20		**		
1.30...1.90	0.1	7		**		
1...9	1	9		**		
10...100	10	10		**		
1.001...1.009	0.001	9			**	
1.01...1.49	0.01	49			**	
0.5...9.50	0.5	19			**	
10...100	10	10			**	
1.005		1				**
1.01...1.49	0.1	49				**
0.5...24.5	0.5	49				**
25...100	25	4				**

Set composition

163421 Steel parallel gauge block set NERIOX

NERIOX

Tolerance class 0

DIN EN ISO 3650 - These gauge blocks are used as **factory or working standards** in calibration labs and climate-controlled testing rooms for setting and calibrating gauges and measuring devices.

Package contents:

Delivered in case including calibration certificate.

Note:

Ceramic gauge blocks available up on request.



With calibration certificate

Order ID	Number	Price EUR
163421.0100	32	441.09
163421.0200	47	608.78
163421.0300	87	890.38
163421.0400	103	1091.79

Type of parallel gauge block			32	47	87	103
Nominal size	Grading	Number				
1.005		1	**			
1.01...1.09	0.01	9	**			
1.10...1.90	0.1	9	**			
1...9	1	9	**			
10...30	10	3	**			
50		1	**			
1.005		1		**		
1.01...1.20	0.01	20		**		
1.30...1.90	0.1	7		**		
1...9	1	9		**		
10...100	10	10		**		
1.001...1.009	0.001	9			**	
1.01...1.49	0.01	49			**	
0.5...9.50	0.5	19			**	
10...100	10	10			**	
1.005		1				**
1.01...1.49	0.1	49				**
0.5...24.5	0.5	49				**
25...100	25	4				**

Set composition

NERIOX

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	Price EUR
162501.0100	0.25...6	-	For metric ISO basic profiles , with 24 blades.	4.78
162501.0200	0.25...6	4...62	For metric ISO basic profiles, and Whitworth threads , with 52 blades.	7.26
162501.0300	-	4...62	For Whitworth threads , with 28 blades.	4.87
162501.0400	-	8...28	For pipe threads Whitworth , with 6 blades.	4.60
162501.0500	-	4...42	For 60° U.S. threads (UNC, UNF, etc.), with 30 blades.	6.28

165251 Thread limit plug gauge NERIOX - 6H

Metric - to DIN 13. 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	Price EUR	Order ID	Thread	Pitch mm	Price EUR
165251.0100	M2	0.4	57.40	165251.1200	M14	2	48.80
165251.0200	M2.5	0.45	52.50	165251.1300	M16	2	49.70
165251.0300	M3	0.5	48.80	165251.1400	M18	2.5	56.50
165251.0400	M3.5	0.6	43.90	165251.1500	M20	2.5	56.10
165251.0500	M4	0.7	41.60	165251.1600	M22	2.5	62.40
165251.0600	M5	0.8	41.60	165251.1700	M24	3	67.80
165251.0700	M6	1	41.60	165251.1800	M27	3	77.80
165251.0800	M7	1	41.60	165251.1900	M30	3.5	86.80
165251.0900	M8	1.25	41.60	165251.2000	M33	3.5	95.00
165251.1000	M10	1.5	44.30	165251.2100	M36	4	107.60
165251.1100	M12	1.75	44.30	165251.2200	M42	4.5	114.90

NERIOX

**165261 Thread limit plug gauge set NERIOX - 6H**

Metric - to DIN 13. Made of gauge steel, hardened and stress-relieved.

Appropriate spare parts:

165251 Thread limit plug gauge NERIOX - 6H

Appropriate accessories:

558220 Protection and packaging tube QuadroPack QuadroPack

558230 Protection and packaging tube TwistPack

Order ID	Contents	Price EUR
165261.0100	M3 / M4 / M5 / M6 / M8 / M10 / M12	270.50

NERIOX

**165351 Thread limit plug gauge NERIOX - 6H**

Metric fine - to DIN 13. 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	Price EUR	Order ID	Thread	Pitch mm	Price EUR
165351.0100	M12	1.5	53.90	165351.1000	M27	1.5	79.98
165351.0200	M14	1.5	56.60	165351.1100	M28	1.5	81.78
165351.0300	M16	1.5	56.60	165351.1200	M30	1.5	87.17
165351.0400	M18	1.5	62.00	165351.1300	M32	1.5	89.87
165351.0500	M20	1.5	63.80	165351.1400	M36	1.5	97.06
165351.0600	M22	1.5	68.30	165351.1500	M40	1.5	106.94
165351.0700	M24	1.5	73.70	165351.1600	M42	1.5	108.75
165351.0800	M25	1.5	76.40	165351.1700	M45	1.5	111.44
165351.0900	M26	1.5	79.10				

NERIOX

**165726 Go thread ring gauge NERIOX - 6g**

Metric - ISO thread to DIN 13 Standard, made of gauge steel, hardened and stress-relieved.

Appropriate accessories:

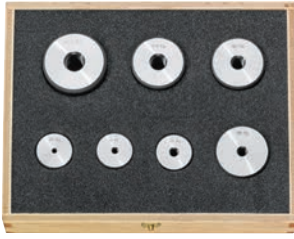
558240 Protection and packaging box UniBox

Order ID	Thread	Pitch mm	Price EUR
165726.0100	M2	0.4	56.99
165726.0200	M2.5	0.45	48.84
165726.0300	M3	0.5	42.52
165726.0400	M3.5	0.6	43.41
165726.0500	M4	0.7	39.80
165726.0600	M5	0.8	39.80
165726.0700	M6	1	39.80
165726.0800	M7	1	41.61
165726.0900	M8	1.25	41.61
165726.1000	M10	1.5	46.13
165726.1100	M12	1.75	49.75
165726.1200	M14	2	55.18
165726.1300	M16	2	56.99
165726.1400	M18	2.5	66.03
165726.1500	M20	2.5	72.37
165726.1600	M22	2.5	74.17
165726.1700	M24	3	85.03
165726.1800	M27	3	89.55
165726.1900	M30	3.5	100.40
165726.2000	M36	4	123.01
165726.2100	M42	4.5	151.97
165726.2200	M45	4.5	158.29

NERIOX



NERIOX

**165746 Go thread ring gauge set NERIOX - 6g****Metric** - ISO thread to DIN 13 Standard, made of gauge steel, hardened and stress-relieved.**Appropriate spare parts:**

165726 Go thread ring gauge NERIOX - 6g

Order ID	Contents	Price EUR
165746.0100	M3 / M4 / M5 / M6 / M8 / M10 / M12	258.69

NERIOX

**165728 NoGo thread ring gauge NERIOX - 6g****Metric** - ISO thread to DIN 13 standard, made of gauge steel, hardened and stress-relieved.**Appropriate accessories:**

558240 Protection and packaging box UniBox

Order ID	Thread	Pitch mm	Price EUR	Order ID	Thread	Pitch mm	Price EUR
165728.0100	M2	0.4	61.30	165728.1000	M10	1.5	51.10
165728.0200	M2.5	0.45	59.50	165728.1100	M12	1.75	55.20
165728.0300	M3	0.5	46.80	165728.1200	M14	2	62.90
165728.0400	M3.5	0.6	46.80	165728.1300	M16	2	62.90
165728.0500	M4	0.7	46.80	165728.1400	M18	2.5	68.35
165728.0600	M5	0.8	46.80	165728.1500	M20	2.5	69.01
165728.0700	M6	1	46.80	165728.1600	M22	2.5	72.55
165728.0800	M7	1	46.80	165728.1700	M24	3	92.80
165728.0900	M8	1.25	46.80				

NERIOX

**165826 Gewinde-Gutlehherring NERIOX - 6g****Metric fine** - ISO thread to DIN 13 standard, made of gauge steel, hardened and stress-relieved.**Appropriate accessories:**

558240 Protection and packaging box UniBox

Order ID	Thread	Pitch mm	Price EUR	Order ID	Thread	Pitch mm	Price EUR
165826.0100	M12	1.5	59.24	165826.1100	M30	1.5	90.23
165826.0200	M14	1.5	61.06	165826.1200	M32	1.5	95.69
165826.0300	M16	1.5	59.24	165826.1300	M35	1.5	99.33
165826.0400	M18	1.5	61.06	165826.1400	M36	1.5	103.90
165826.0500	M20	1.5	63.80	165826.1500	M40	1.5	118.47
165826.0600	M22	1.5	67.44	165826.1600	M42	1.5	124.86
165826.0700	M24	1.5	72.00	165826.1700	M45	1.5	136.70
165826.0800	M25	1.5	77.47	165826.1800	M48	1.5	143.99
165826.0900	M27	1.5	85.67	165826.1900	M50	1.5	145.82
165826.1000	M28	1.5	87.49				

NERIOX

**165828 NoGo thread ring gauge NERIOX - 6g****Metric fine** - ISO thread to DIN 13 standard, made of gauge steel, hardened and stress-relieved.**Appropriate accessories:**

558240 Protection and packaging box UniBox

Order ID	Thread	Pitch mm	Price EUR	Order ID	Thread	Pitch mm	Price EUR
165828.0100	M12	1.5	154.93	165828.0900	M27	1.5	84.76
165828.0200	M14	1.5	60.55	165828.1000	M28	1.5	88.40
165828.0300	M16	1.5	60.15	165828.1100	M30	1.5	101.16
165828.0400	M18	1.5	60.15	165828.1200	M32	1.5	85.67
165828.0500	M20	1.5	62.88	165828.1300	M35	1.5	101.16
165828.0600	M22	1.5	67.44	165828.1400	M36	1.5	109.37
165828.0700	M24	1.5	67.44	165828.1500	M40	1.5	124.86
165828.0800	M25	1.5	78.37				

158691 Stainless steel rule NERIOX**1/2 mm - 1/1 mm**

Stainless, flexible design.

Design:

Accurate to EC Class II.

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

Order ID	Length mm	Profile mm	EC Class	Price EUR
158691.0100	100	13 x 0.5	II	3.16
158691.0200	150	13 x 0.5	II	2.90
158691.0300	200	13 x 0.5	II	2.90
158691.0400	300	15 x 0.5	II	4.22
158691.0500	500	18 x 0.5	II	6.15
158691.0600	1000	18 x 0.5	II	22.48

NERIOX



1/2 mm - 1/1 mm (≤ 300 mm)



1/2 mm - 1/1 mm (≥ 500 mm)

158681 Stainless steel rule NERIOX**1/1 mm - 1/1 mm**

Stainless, flexible design.

Design:

Accurate to EC Class II.

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

Order ID	Length mm	Profile mm	EC Class	Price EUR
158681.0100	100	13 x 0.5	II	3.16
158681.0200	150	13 x 0.5	II	2.90
158681.0300	200	13 x 0.5	II	2.90
158681.0400	300	15 x 0.5	II	4.22
158681.0500	500	18 x 0.5	II	6.15
158681.0600	1000	18 x 0.5	II	22.48

NERIOX



1/1 mm - 1/1 mm (≤ 300 mm)



1/1 mm - 1/1 mm (≥ 500 mm)

158701 Stainless steel rule NERIOX**1/1 mm - 1/1 mm / 1/2 mm - 1/1 mm**

Stainless, wide design. Accurate to EC Class II.

Designs:**158701.0100...158701.0300: top 1/1 mm, bottom 1/1 mm****158701.0400...158701.0600: top 1/2 mm, bottom 1/1 mm**

Order ID	Length mm	Profile mm	EC Class	Price EUR
158701.0100	300	30 x 1.0	II	6.94
158701.0200	500	30 x 1.0	II	13.09
158701.0300	1000	30 x 1.0	II	34.78
158701.0400	1500	30 x 1.0	II	54.80
158701.0500	2000	30 x 1.0	II	72.10
158701.0600	3000	30 x 1.0	II	101.78

NERIOX





38

Machining and clamping technology



S. 41

Solid carbide, HSS end mills



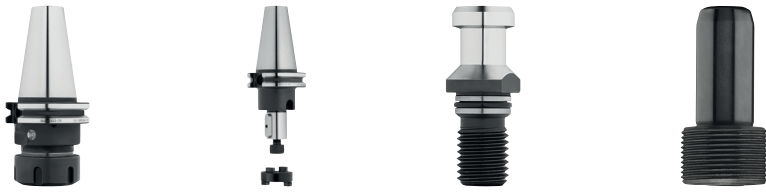
S. 49

Countersinks, solid carbide, HSS drills



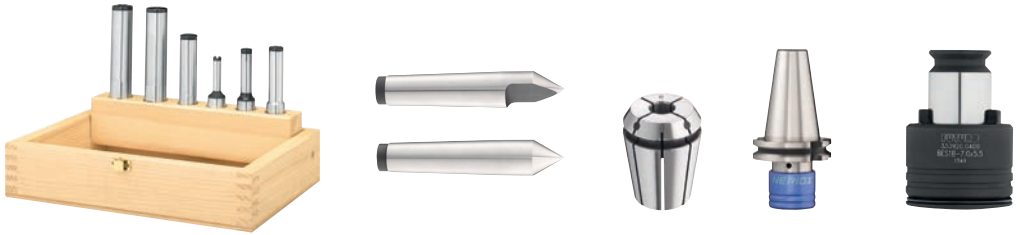
S. 57

Taps, threading dies



S. 61

Tool holders, accessories



S. 70

Centring tips, tapping chucks, collet chucks, accessories









S. 79







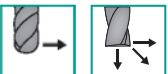

Clamping tools

Pictograms and their meaning Info page 




Application

P	P ≤ 600	Steel		Slotting
M	M ≥ 900 ≤ 1400	Stainless steel		Circumference machining
K		Cast iron		Surface processing
N	N Al ≤ 4% Si	Non-ferrous metals		Pocket hole
S	S Ti	Superalloy		Through hole
H	H 56-66 HRC	Hardened steels		Through and pocket holes

Product characteristics

HSS-Co	VHM	Cutter material		With (HA) / without flat (HB)	
TiAl	TiCN	VAP	Coating		Morse taper
		Internal cooling		Whistle Notch	
Z 4-6		Number of teeth		Stepped shank	
λ : 15° γ : 3°		Angle of twist Rake angle	λ : 24° α : 118°	Angle of twist Tip angle	
		Length	DIN 340	DIN 1869	DIN standards
		Feed direction	3xD	20xD	Drilling depth
		With protection phase / with corner radius	M		Metric ISO thread
ISO 2 (6H)	6g	Thread tolerance			
B 3.5-5.5	C 2-3	Chamfer form			

224191 Solid carbide deburrer 90° NERIOX

VHM	TiAlN	λ : 0°			Z 4
	P	M ≤ 900	K	N Al ≥ 4% Si	

Application

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

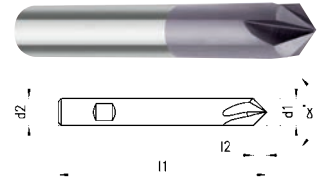
Designs:






4 mm: cylinder(without flat, HA)

6 mm...12 mm: weldon flat (HB)

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Price EUR
224191.0100	4	2	4	54	15.00
224191.0200	6	3	6	57	16.70
224191.0300	8	4	8	63	20.80
224191.0400	10	5	10	72	28.30
224191.0500	12	6	12	83	42.50

NERIOX

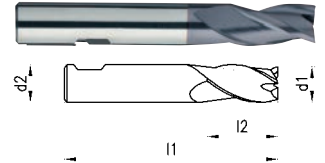
**227811 Solid carbide general-purpose end mill NERIOX**






VHM	TiAlN	λ : 30° γ : 12°					Z 3
	P	M ≤ 900	K				

Tolerance d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Price EUR
227811.0100	3	6	6	50	15.80
227811.0200	4	8	6	50	15.80
227811.0300	5	8	6	50	15.80
227811.0400	6	16	6	50	16.70
227811.0500	8	20	8	60	26.70
227811.0600	10	22	10	70	35.00
227811.0700	12	22	12	70	46.70
227811.0800	16	25	16	75	75.80

NERIOX

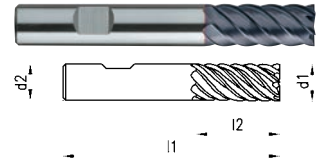
**227821 Solid carbide finishing end mill NERIOX**

VHM	TiAlN	λ : 45° γ : 12°					Z 6
	P	M ≤ 900	K				

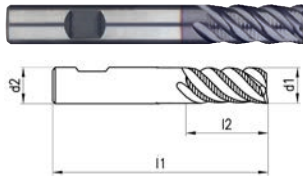
Tolerance d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Price EUR
227821.0100	6	13	6	57	20.80
227821.0200	8	19	8	63	27.50
227821.0300	10	22	10	72	38.30
227821.0400	12	26	12	83	54.20
227821.0500	16	32	16	92	91.70

NERIOX



NERIOX



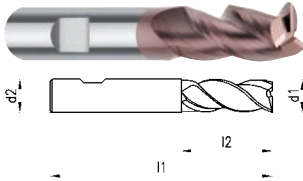
227831 Solid carbide roughing end mill NERIOX

VHM	TiAlN	λ : 45° γ : 12°				Z 3-5
			P	M ≤ 900	K	

Tolerance d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Number of teeth	Price EUR
227831.0030	4	11	6	57	3	21.70
227831.0060	5	13	6	57	4	21.70
227831.0100	6	16	6	57	4	23.30
227831.0200	8	16	8	69	4	30.80
227831.0300	10	22	10	72	4	42.50
227831.0400	12	2	12	83	4	61.70
227831.0500	16	32	16	92	5	104.20

NERIOX



227861 Solid carbide end mill NERIOX

VHM	TiAlN	λ : 38/42°				Z 3
		P	M ≤ 900	K	HPC	

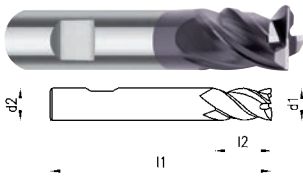
Application

For machining alloyed and unalloyed steels up to 1200 N/mm², tool steels and cast materials.

Tolerances: d1: h10 / d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Protective chamfer mm	Price EUR
227861.0100	3	8	6	57	0.1	21.70
227861.0200	4	11	6	57	0.1	21.70
227861.0300	5	13	6	57	0.15	21.70
227861.0400	6	13	6	57	0.2	21.70
227861.0500	8	19	8	63	0.2	29.20
227861.0600	10	22	10	72	0.2	42.50
227861.0700	12	26	12	83	0.3	59.20
227861.0800	16	32	16	92	0.3	94.20
227861.0900	20	38	20	104	0.4	149.20

NERIOX



227866 Solid carbide end mill NERIOX

VHM	TiAlN	λ : 35/38°				Z 4
		P	M ≤ 900	K	HPC	

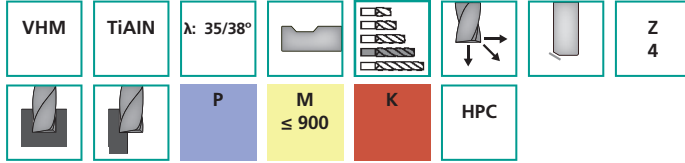
Application

For machining alloyed and unalloyed steels up to 1200 N/mm², tool steels and cast materials.

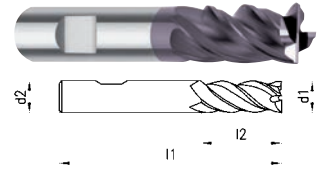
Tolerances: d1: h10 / d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Protective chamfer mm	Price EUR
227866.0030	3	6	6	54	0.1	16.70
227866.0040	4	8	6	54	0.13	16.70
227866.0050	5	9	6	54	0.18	16.70
227866.0100	6	10	6	54	0.2	17.50
227866.0200	8	12	8	58	0.2	22.50
227866.0300	10	14	10	66	0.2	30.00
227866.0400	12	16	12	73	0.3	41.70
227866.0500	16	22	16	82	0.3	70.80
227866.0600	20	26	20	92	0.4	105.00

227871 Solid carbide end mill NERIOX



NERIOX



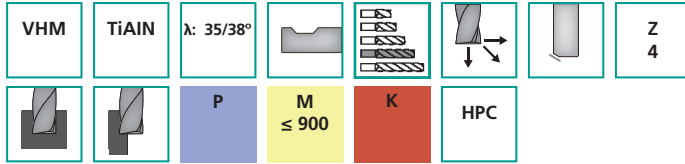
Application

For machining alloyed and unalloyed steels **up to 1200 N/mm²**, tool steels and cast materials.

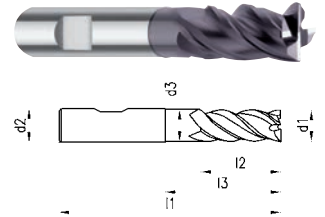
Tolerances: d1: h10 / d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Protective chamfer mm	Price EUR
227871.0100	6	13	6	57	0.2	19.20
227871.0200	8	19	8	63	0.2	25.80
227871.0300	10	22	10	72	0.2	34.20
227871.0400	12	26	12	83	0.3	45.80
227871.0500	16	32	16	92	0.3	78.30
227871.0600	20	38	20	104	0.4	117.50

227876 Solid carbide end mill NERIOX



NERIOX



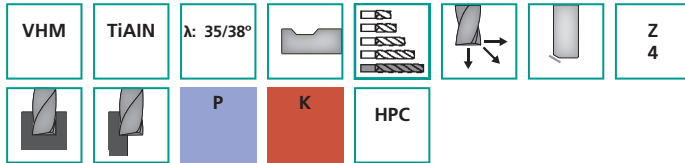
Application

For machining alloyed and unalloyed steels **up to 1200 N/mm²**, tool steels and cast materials.

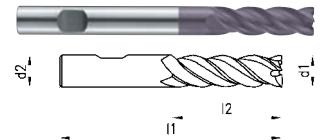
Tolerances: d1: h10 / d2: h6

Order ID	d1 mm	l2 mm	l3 mm	d2 mm	l1 mm	d3 mm	Protective chamfer mm	Price EUR
227876.0030	3	8	18	6	57	2.8	0.13	21.70
227876.0040	4	11	21	6	57	3.6	0.13	21.70
227876.0050	5	13	21	6	57	4.6	0.2	21.70
227876.0100	6	13	21	6	57	5.8	0.2	21.70
227876.0200	8	19	27	8	63	7.6	0.2	30.00
227876.0300	10	22	32	10	72	9.5	0.2	37.50
227876.0400	12	26	38	12	83	11.5	0.3	51.70
227876.0500	16	32	44	16	92	15.5	0.3	79.20
227876.0600	20	38	54	20	104	19.5	0.4	115.00

227881 Solid carbide end mill NERIOX



NERIOX



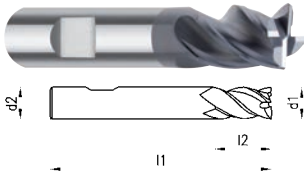
Application

For machining alloyed and unalloyed steels **up to 1200 N/mm²**, tool steels and cast materials.

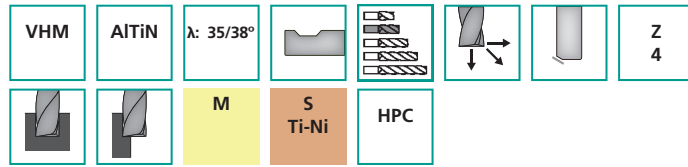
Tolerances: d1: h10 / d2: h6

Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Protective chamfer mm	Price EUR
227881.0100	6	22	63	6	0.2	34.20
227881.0200	8	28	80	8	0.2	42.50
227881.0300	10	33	100	10	0.2	54.20
227881.0400	12	42	100	12	0.3	69.20
227881.0500	16	53	150	16	0.3	126.70
227881.0600	20	68	150	20	0.4	184.20

NERIOX

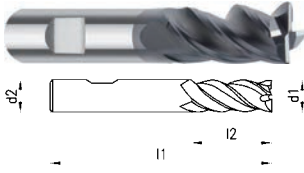
**227886 Solid carbide end mill NERIOX**

INOX

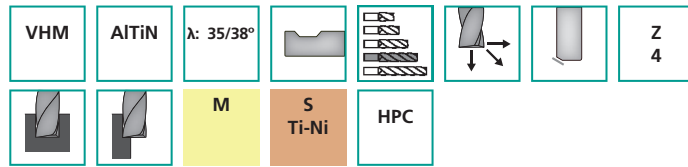
**Application**For work on stainless steels, titanium and super alloys **up to 1200 N/mm²**.**Tolerances:** d1: h10 / d2: h6

Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Protective chamfer mm	Price EUR
227886.0030	3	6	54	6	0.1	21.70
227886.0040	4	8	54	6	0.13	21.70
227886.0050	5	9	54	6	0.18	21.70
227886.0100	6	10	54	6	0.2	21.70
227886.0200	8	12	58	8	0.2	27.50
227886.0300	10	14	66	10	0.2	38.30
227886.0400	12	16	73	12	0.3	54.20
227886.0500	16	22	82	16	0.3	93.30
227886.0600	20	26	92	20	0.4	140.00

NERIOX

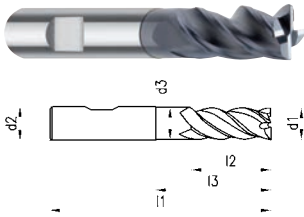
**227891 Solid carbide end mill NERIOX**

INOX

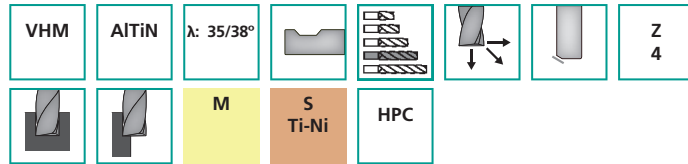
**Application**For work on stainless steels, titanium and super alloys **up to 1200 N/mm²**.**Tolerances:** d1: h10 / d2: h6

Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Protective chamfer mm	Price EUR
227891.0100	6	13	57	6	0.2	23.30
227891.0200	8	19	63	8	0.2	30.80
227891.0300	10	22	72	10	0.2	45.00
227891.0400	12	26	83	12	0.3	60.80
227891.0500	16	32	92	16	0.3	95.80
227891.0600	20	38	104	20	0.4	148.30

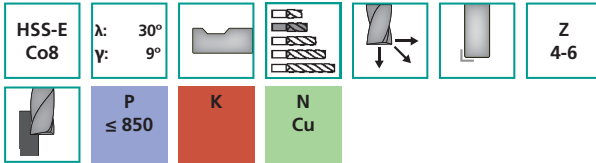
NERIOX

**227896 Solid carbide end mill NERIOX**

INOX

**Application**For work on stainless steels, titanium and super alloys **up to 1200 N/mm²**.**Tolerances:** d1: h10 / d2: h6

Order ID	d1 mm	l2 mm	l3 mm	d2 mm	l1 mm	d3 mm	Protective chamfer mm	Price EUR
227896.0030	3	8	18	3	57	2.75	0.1	27.50
227896.0040	4	11	21	4	57	3.5	0.13	27.50
227896.0050	5	13	21	5	57	4.5	0.2	27.50
227896.0100	6	13	21	6	57	5.8	0.2	27.50
227896.0200	8	19	27	8	63	7.6	0.2	36.70
227896.0300	10	22	32	10	72	9.5	0.2	50.00
227896.0400	12	26	38	12	83	11.5	0.3	69.20
227896.0500	16	32	44	16	92	15.5	0.3	105.00
227896.0600	20	38	54	20	104	19.5	0.4	156.70

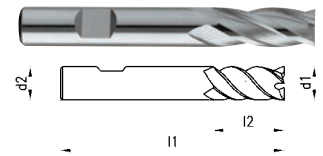
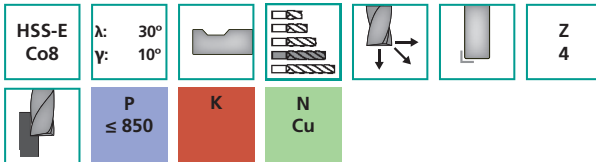
216001 Finishing end mill NERIOX

Type N, 2 teeth to the centre, DIN 844

Tolerances: d1: 0/+0.04 ; d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Number of teeth	Price EUR
216001.0100	2	7	6	51	4	10.00
216001.0200	3	8	6	52	4	10.00
216001.0300	4	11	6	55	4	10.00
216001.0400	5	13	6	57	4	10.00
216001.0500	6	13	6	57	4	10.00
216001.0600	7	16	10	66	4	14.20
216001.0700	8	19	10	69	4	14.20
216001.0800	9	19	10	69	4	14.20
216001.0900	10	22	10	72	4	14.20
216001.1000	11	22	12	79	4	19.20
216001.1100	12	26	12	83	4	19.20
216001.1200	14	26	12	83	4	20.80
216001.1300	16	32	16	92	4	25.80
216001.1400	18	32	16	92	4	31.70
216001.1500	20	38	20	104	4	37.50
216001.1700	25	45	25	121	6	60.00

NERIOX

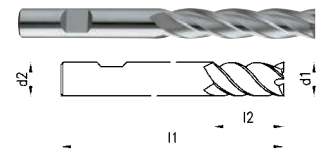
**216061 Finishing end mill NERIOX**

Type N, 2 teeth to the centre, DIN 844

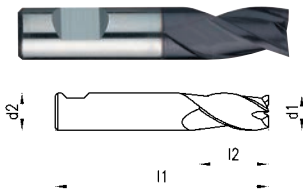
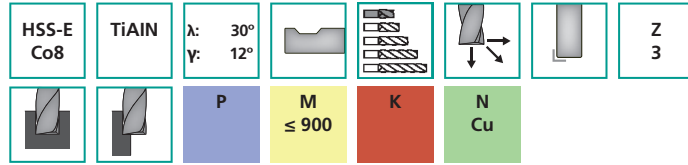
Tolerances: d1: 0/+0.05 ; d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Price EUR
216061.0100	3	12	6	56	13.30
216061.0200	4	19	6	63	13.30
216061.0300	5	24	6	68	13.30
216061.0400	6	24	6	68	13.30
216061.0600	8	38	10	88	18.30
216061.0700	10	45	10	95	18.30
216061.0800	12	53	12	110	25.80
216061.1000	16	63	16	123	35.80
216061.1200	20	75	20	141	52.50

NERIOX



NERIOX

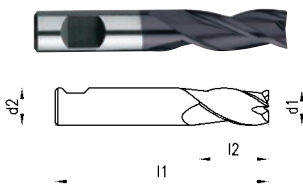
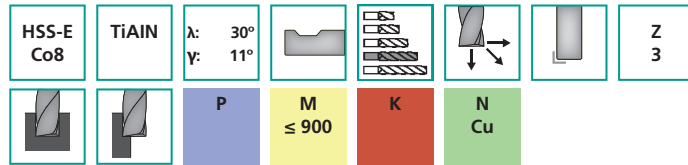
**216141 Economy end mill NERIOX**

Type N, works standard

Tolerances: d1: e8 / d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Price EUR
216141.0100	1	2	6	34	12.50
216141.0200	1.5	3	6	34	12.50
216141.0400	2	4	6	35	12.50
216141.0500	2.5	5	6	36	12.50
216141.0600	2.8	5	6	36	12.50
216141.0700	3	5	6	36	12.50
216141.0800	3.5	6	6	37	12.50
216141.0900	3.8	7	6	38	12.50
216141.1000	4	7	6	38	12.50
216141.1100	4.5	7	6	38	12.50
216141.1200	4.8	8	6	39	12.50
216141.1300	5	8	6	39	12.50
216141.1400	5.5	8	6	39	12.50
216141.1500	5.75	8	6	39	12.50
216141.1600	6	8	6	39	12.50
216141.1700	6.5	10	8	42	16.70
216141.1800	7	10	8	42	16.70
216141.1900	8	11	8	43	16.70
216141.2100	10	13	10	50	20.00

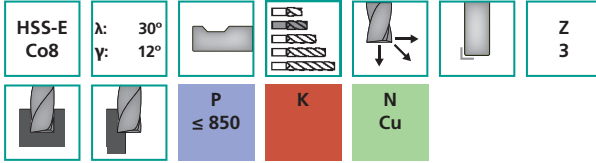
NERIOX

**216181 Economy end mill NERIOX**

Type N, works standard

Tolerances: d1: e8 / d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Price EUR
216181.0100	2	7	6	38	13.30
216181.0300	3	8	6	39	13.30
216181.0500	4	11	6	42	13.30
216181.0700	5	13	6	44	13.30
216181.0900	6	13	6	44	13.30
216181.1100	8	19	8	51	17.50
216181.1300	10	22	10	59	20.80

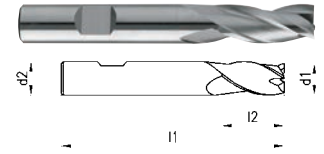
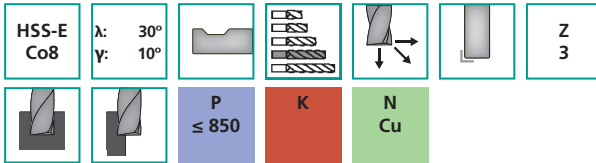
216221 Slot cutter NERIOX

Type N, DIN 844K

Tolerances: d1: e8 / d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Price EUR
216221.0100	1.5	7	6	51	10.80
216221.0200	2	7	6	51	10.00
216221.0300	2.5	8	6	52	10.00
216221.0400	3	8	6	52	10.00
216221.0500	3.5	10	6	54	10.00
216221.0600	4	11	6	55	10.00
216221.0700	4.5	11	6	55	10.00
216221.0800	5	13	6	57	10.00
216221.0900	5.5	13	6	57	10.00
216221.1000	6	13	6	57	10.00
216221.1100	6.5	16	10	66	14.20
216221.1200	7	16	10	66	14.20
216221.1300	7.5	16	10	66	14.20
216221.1400	8	19	10	69	14.20
216221.1500	8.5	19	10	69	14.20
216221.1600	9	19	10	69	14.20
216221.1700	10	22	10	72	14.20
216221.1800	12	26	12	83	18.30
216221.1900	14	26	12	83	20.00
216221.2000	16	32	16	92	24.20
216221.2100	18	32	16	92	30.00
216221.2200	20	38	20	104	35.80

NERIOX

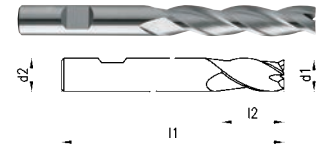
**216241 Slot cutter NERIOX**

Type N, DIN 844L

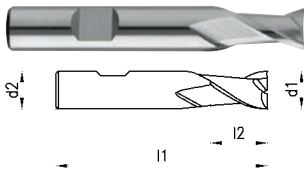
Tolerances: d1: e8 / d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Price EUR
216241.0100	3	12	6	56	13.30
216241.0200	4	19	6	63	13.30
216241.0300	5	24	6	68	13.30
216241.0400	6	24	6	68	13.30
216241.0600	8	38	10	88	18.30
216241.0700	10	45	10	95	18.30
216241.0800	12	53	12	110	24.20
216241.1000	16	63	16	123	34.20
216241.1200	20	75	20	141	50.00

NERIOX



NERIOX



216261 Slot cutter NERIOX

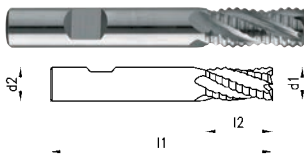
HSS-E Co8	$\lambda: 30^\circ$ $\gamma: 12^\circ$					Z 2
		P ≤ 850	K	N Cu		

Type N, DIN 327

Tolerances: d1: e8 / d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Price EUR
216261.0100	1	2.5	6	47	10.00
216261.0200	1.5	3	6	47	10.00
216261.0300	2	4	6	48	8.30
216261.0400	2.5	5	6	49	8.30
216261.0500	3	5	6	49	8.30
216261.0600	3.5	6	6	50	8.30
216261.0700	4	7	6	51	8.30
216261.0800	4.5	7	6	51	8.30
216261.0900	4.8	8	6	52	8.30
216261.1000	5	8	6	52	8.30
216261.1100	5.5	8	6	52	8.30
216261.1300	6	8	6	52	8.30
216261.1400	6.5	10	10	60	11.70
216261.1500	7	10	10	60	11.70
216261.1600	7.5	10	10	60	11.70
216261.1800	8	11	10	61	11.70
216261.2000	9	11	10	61	11.70
216261.2200	10	13	10	63	11.70
216261.2300	11	13	12	70	15.80
216261.2400	12	16	12	73	15.80
216261.2500	14	16	12	73	17.50
216261.2600	15	16	12	73	20.00
216261.2700	16	19	16	79	20.80
216261.2800	18	19	16	79	25.80
216261.2900	20	22	20	88	30.80

NERIOX



216401 Roughing end mill NERIOX

HSS-E Co8	$\lambda: 30^\circ$ $\gamma: 12^\circ$					Z 3-6
			P ≤ 850	K	N Cu	

$\le \varnothing 20\text{mm}$ >math> > \varnothing 21\text{mm}</math>

Type NR, DIN 844

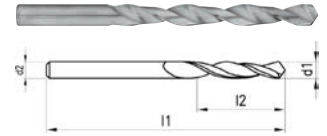
Tolerances: d1: js12 / d2: h6

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	Protective chamfer mm	Number of teeth	Price EUR
216401.0100	6	13	6	57	0.25	3	21.70
216401.0300	8	19	10	69	0.25	3	23.30
216401.0500	10	22	10	72	0.35	4	23.30
216401.0600	12	26	12	83	0.5	4	25.80
216401.0800	16	32	16	92	0.6	4	36.70
216401.1000	20	38	20	104	0.6	4	44.20
216401.1300	25	45	25	121	0.6	5	66.70

256131 Solid carbide twist drill NERIOX DIN338

NERIOX

VHM	$\lambda: 30^\circ$ $\alpha: 118^\circ$		DIN 338	Z 2
P ≤ 850	K	N Al		



Type N

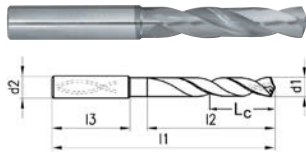
Application:

For processing steel, cast steel, chilled and malleable cast iron, non-ferrous light metal alloys, abrasive plastics.

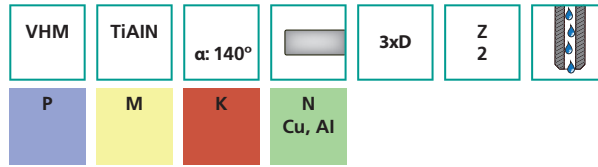
Tolerances: d1: h7 / d2: h6

Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Price EUR	Order ID	d1 mm	l2 mm	l1 mm	d2 mm	Price EUR
256131.0010	1	12	34	1	5.30	256131.0360	4.5	47	80	4.5	11.10
256131.0020	1.1	14	36	1.1	5.30	256131.0370	4.6	47	80	4.6	12.60
256131.0030	1.2	16	38	1.2	5.30	256131.0380	4.7	47	80	4.7	12.60
256131.0040	1.3	16	38	1.3	5.10	256131.0390	4.8	52	86	4.8	13.00
256131.0050	1.4	18	40	1.4	5.10	256131.0400	4.9	52	86	4.9	13.00
256131.0060	1.5	18	40	1.5	4.90	256131.0410	5	52	86	5	12.10
256131.0070	1.6	20	43	1.6	4.90	256131.0420	5.1	52	86	5.1	14.70
256131.0080	1.7	20	43	1.7	4.90	256131.0430	5.2	52	86	5.2	14.70
256131.0090	1.8	22	46	1.8	4.90	256131.0440	5.3	52	86	5.3	14.70
256131.0100	1.9	22	46	1.9	4.90	256131.0450	5.4	57	93	5.4	16.60
256131.0110	2	24	49	2	4.70	256131.0460	5.5	57	93	5.5	16.10
256131.0120	2.1	24	49	2.1	5.20	256131.0470	5.6	57	93	5.6	17.50
256131.0130	2.2	27	53	2.2	5.80	256131.0480	5.7	57	93	5.7	17.50
256131.0140	2.3	27	53	2.3	5.80	256131.0490	5.8	57	93	5.8	17.50
256131.0150	2.4	30	57	2.4	5.80	256131.0500	5.9	57	93	5.9	17.50
256131.0160	2.5	30	57	2.5	5.60	256131.0510	6	57	93	6	17.00
256131.0170	2.6	30	57	2.6	7.40	256131.0520	6.1	63	101	6.1	21.80
256131.0180	2.7	33	61	2.7	7.40	256131.0530	6.2	63	101	6.2	21.80
256131.0190	2.8	33	61	2.8	7.40	256131.0540	6.3	63	101	6.3	21.80
256131.0200	2.9	33	61	2.9	7.40	256131.0550	6.4	63	101	6.4	21.80
256131.0210	3	33	61	3	7.20	256131.0560	6.5	63	101	6.5	21.00
256131.0220	3.1	36	65	3.1	7.20	256131.0570	6.8	69	109	6.8	25.50
256131.0230	3.2	36	65	3.2	7.20	256131.0580	7	69	109	7	25.20
256131.0240	3.3	36	65	3.3	7.30	256131.0590	7.5	69	109	7.5	25.10
256131.0250	3.4	39	70	3.4	8.10	256131.0600	8	75	117	8	30.00
256131.0260	3.5	39	70	3.5	7.80	256131.0610	8.5	75	117	8.5	34.90
256131.0270	3.6	39	70	3.6	8.30	256131.0620	9	81	125	9	35.40
256131.0280	3.7	39	70	3.7	8.30	256131.0630	9.5	81	125	9.5	39.30
256131.0290	3.8	43	75	3.8	8.80	256131.0640	10	87	133	10	44.10
256131.0300	3.9	43	75	3.9	8.90	256131.0650	10.2	87	133	10.2	53.30
256131.0310	4	43	75	4	9.00	256131.0660	10.5	87	133	10.5	50.60
256131.0320	4.1	43	75	4.1	9.20	256131.0670	11	94	142	11	62.70
256131.0330	4.2	43	75	4.2	9.20	256131.0680	11.5	94	142	11.5	66.90
256131.0340	4.3	47	80	4.3	12.10	256131.0690	12	101	151	12	72.50
256131.0350	4.4	47	80	4.4	12.10	256131.0700	13	101	151	13	86.90

NERIOX



256151 Solid carbide twist drill NERIOX



TiAlN, without flat, DIN 6537, short.


For drilling depths 3 x D, with internal cooling.

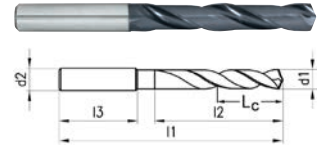
Tolerances: d1: m7 / d2: h6

Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Price EUR	Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Price EUR
256151.0100	3	14	20	62	6	36	34.20	256151.4500	7.4	29	41	79	8	36	45.00
256151.0200	3.1	14	20	62	6	36	34.20	256151.4600	7.5	29	41	79	8	36	45.00
256151.0300	3.2	14	20	62	6	36	34.20	256151.4700	7.6	29	41	79	8	36	45.00
256151.0400	3.3	14	20	62	6	36	34.20	256151.4800	7.7	29	41	79	8	36	45.00
256151.0500	3.4	14	20	62	6	36	34.20	256151.4900	7.8	29	41	79	8	36	45.00
256151.0600	3.5	14	20	62	6	36	34.20	256151.5000	7.9	29	41	79	8	36	45.00
256151.0700	3.6	14	20	62	6	36	34.20	256151.5100	8	29	41	79	8	36	45.00
256151.0800	3.7	14	20	62	6	36	34.20	256151.5200	8.1	35	47	89	10	40	57.50
256151.0900	3.8	17	24	66	6	36	34.20	256151.5300	8.2	35	47	89	10	40	57.50
256151.1000	3.9	17	24	66	6	36	34.20	256151.5400	8.3	35	47	89	10	40	57.50
256151.1100	4	17	24	66	6	36	34.20	256151.5500	8.4	35	47	89	10	40	57.50
256151.1200	4.1	17	24	66	6	36	34.20	256151.5600	8.5	35	47	89	10	40	57.50
256151.1300	4.2	17	24	66	6	36	34.20	256151.5700	8.6	35	47	89	10	40	57.50
256151.1400	4.3	17	24	66	6	36	34.20	256151.5800	8.7	35	47	89	10	40	57.50
256151.1500	4.4	17	24	66	6	36	34.20	256151.5900	8.8	35	47	89	10	40	57.50
256151.1600	4.5	17	24	66	6	36	34.20	256151.6000	8.9	35	47	89	10	40	57.50
256151.1700	4.6	17	24	66	6	36	34.20	256151.6100	9	35	47	89	10	40	57.50
256151.1800	4.7	17	24	66	6	36	34.20	256151.6200	9.1	35	47	89	10	40	57.50
256151.1900	4.8	20	28	66	6	36	34.20	256151.6300	9.2	35	47	89	10	40	57.50
256151.2000	4.9	20	28	66	6	36	34.20	256151.6400	9.3	35	47	89	10	40	57.50
256151.2100	5	20	28	66	6	36	34.20	256151.6500	9.4	35	47	89	10	40	57.50
256151.2200	5.1	20	28	66	6	36	34.20	256151.6600	9.5	35	47	89	10	40	57.50
256151.2300	5.2	20	28	66	6	36	34.20	256151.6700	9.6	35	47	89	10	40	57.50
256151.2400	5.3	20	28	66	6	36	34.20	256151.6800	9.7	35	47	89	10	40	57.50
256151.2500	5.4	20	28	66	6	36	34.20	256151.6900	9.8	35	47	89	10	40	57.50
256151.2600	5.5	20	28	66	6	36	34.20	256151.7000	9.9	35	47	89	10	40	57.50
256151.2700	5.6	20	28	66	6	36	34.20	256151.7100	10	35	47	89	10	40	57.50
256151.2800	5.7	20	28	66	6	36	34.20	256151.7200	10.2	40	55	102	12	45	80.00
256151.2900	5.8	20	28	66	6	36	34.20	256151.7300	10.5	40	55	102	12	45	80.00
256151.3000	5.9	20	28	66	6	36	34.20	256151.7400	10.8	40	55	102	12	45	80.00
256151.3100	6	20	28	66	6	36	34.20	256151.7500	11	40	55	102	12	45	80.00
256151.3200	6.1	24	34	79	8	36	45.00	256151.7600	11.2	40	55	102	12	45	80.00
256151.3300	6.2	24	34	79	8	36	45.00	256151.7700	11.5	40	55	102	12	45	80.00
256151.3400	6.3	24	34	79	8	36	45.00	256151.7800	11.8	40	55	102	12	45	80.00
256151.3500	6.4	24	34	79	8	36	45.00	256151.7900	12	40	55	102	12	45	80.00
256151.3600	6.5	24	34	79	8	36	45.00	256151.8000	12.5	43	60	107	14	45	103.30
256151.3700	6.6	24	34	79	8	36	45.00	256151.8100	13	43	60	107	14	45	103.30
256151.3800	6.7	24	34	79	8	36	45.00	256151.8200	13.5	43	60	107	14	45	103.30
256151.3900	6.8	24	34	79	8	36	45.00	256151.8300	14	43	60	107	14	45	103.30
256151.4000	6.9	24	34	79	8	36	45.00	256151.8400	14.5	45	65	115	16	48	123.30
256151.4100	7	24	34	79	8	36	45.00	256151.8500	15	45	65	115	16	48	123.30
256151.4200	7.1	29	41	79	8	36	45.00	256151.8600	15.5	45	65	115	16	48	123.30
256151.4300	7.2	29	41	79	8	36	45.00	256151.8700	16	45	65	115	16	48	123.30
256151.4400	7.3	29	41	79	8	36	45.00								

256156 Solid carbide twist drill NERIOX

NERIOX

VHM	TiAlN	$\alpha: 140^\circ$		DIN 6537	5xD	Z 2
P	M	K	N Cu, Al			



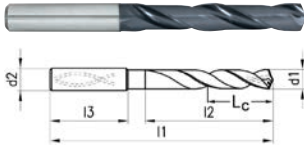
TiAlN, without flat, DIN 6537.

For drilling depths 5 x D.

Tolerances: d1: m7 / d2: h6

Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Price EUR	Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Price EUR
256156.0100	3	23	28	66	6	36	32.50	256156.4500	7.4	43	53	91	8	36	39.20
256156.0200	3.1	23	28	66	6	36	32.50	256156.4600	7.5	43	53	91	8	36	39.20
256156.0300	3.2	23	28	66	6	36	32.50	256156.4700	7.6	43	53	91	8	36	39.20
256156.0400	3.3	23	28	66	6	36	32.50	256156.4800	7.7	43	53	91	8	36	39.20
256156.0500	3.4	23	28	66	6	36	32.50	256156.4900	7.8	43	53	91	8	36	39.20
256156.0600	3.5	23	28	66	6	36	32.50	256156.5000	7.9	43	53	91	8	36	39.20
256156.0700	3.6	23	28	66	6	36	32.50	256156.5100	8	43	53	91	8	36	39.20
256156.0800	3.7	23	28	66	6	36	32.50	256156.5200	8.1	49	61	103	10	40	44.20
256156.0900	3.8	29	36	74	6	36	32.50	256156.5300	8.2	49	61	103	10	40	44.20
256156.1000	3.9	29	36	74	6	36	32.50	256156.5400	8.3	49	61	103	10	40	44.20
256156.1100	4	29	36	74	6	36	32.50	256156.5500	8.4	49	61	103	10	40	44.20
256156.1200	4.1	29	36	74	6	36	32.50	256156.5600	8.5	49	61	103	10	40	44.20
256156.1300	4.2	29	36	74	6	36	32.50	256156.5700	8.6	49	61	103	10	40	44.20
256156.1400	4.3	29	36	74	6	36	32.50	256156.5800	8.7	49	61	103	10	40	44.20
256156.1500	4.4	29	36	74	6	36	32.50	256156.5900	8.8	49	61	103	10	40	44.20
256156.1600	4.5	29	36	74	6	36	32.50	256156.6000	8.9	49	61	103	10	40	44.20
256156.1700	4.6	29	36	74	6	36	32.50	256156.6100	9	49	61	103	10	40	44.20
256156.1800	4.7	29	36	74	6	36	32.50	256156.6200	9.1	49	61	103	10	40	44.20
256156.1900	4.8	35	44	82	6	36	32.50	256156.6300	9.2	49	61	103	10	40	44.20
256156.2000	4.9	35	44	82	6	36	32.50	256156.6400	9.3	49	61	103	10	40	44.20
256156.2100	5	35	44	82	6	36	32.50	256156.6500	9.4	49	61	103	10	40	44.20
256156.2200	5.1	35	44	82	6	36	32.50	256156.6600	9.5	49	61	103	10	40	44.20
256156.2300	5.2	35	44	82	6	36	32.50	256156.6700	9.6	49	61	103	10	40	44.20
256156.2400	5.3	35	44	82	6	36	32.50	256156.6800	9.7	49	61	103	10	40	44.20
256156.2500	5.4	35	44	82	6	36	32.50	256156.6900	9.8	49	61	103	10	40	44.20
256156.2600	5.5	35	44	82	6	36	32.50	256156.7000	9.9	49	61	103	10	40	44.20
256156.2700	5.6	35	44	82	6	36	32.50	256156.7100	10	49	61	103	10	40	44.20
256156.2800	5.7	35	44	82	6	36	32.50	256156.7200	10.2	56	71	118	12	45	63.30
256156.2900	5.8	35	44	82	6	36	32.50	256156.7300	10.5	56	71	118	12	45	63.30
256156.3000	5.9	35	44	82	6	36	32.50	256156.7400	10.8	56	71	118	12	45	63.30
256156.3100	6	35	44	82	6	36	32.50	256156.7500	11	56	71	118	12	45	63.30
256156.3200	6.1	43	53	91	8	36	39.20	256156.7600	11.2	56	71	118	12	45	63.30
256156.3300	6.2	43	53	91	8	36	39.20	256156.7700	11.5	56	71	118	12	45	63.30
256156.3400	6.3	43	53	91	8	36	39.20	256156.7800	11.8	56	71	118	12	45	63.30
256156.3500	6.4	43	53	91	8	36	39.20	256156.7900	12	56	71	118	12	45	63.30
256156.3600	6.5	43	53	91	8	36	39.20	256156.8000	12.5	60	77	124	14	45	87.50
256156.3700	6.6	43	53	91	8	36	39.20	256156.8100	13	60	77	124	14	45	87.50
256156.3800	6.7	43	53	91	8	36	39.20	256156.8200	13.5	60	77	124	14	45	87.50
256156.3900	6.8	43	53	91	8	36	39.20	256156.8300	14	60	77	124	14	45	87.50
256156.4000	6.9	43	53	91	8	36	39.20	256156.8400	14.5	63	83	133	16	48	107.50
256156.4100	7	43	53	91	8	36	39.20	256156.8500	15	63	83	133	16	48	107.50
256156.4200	7.1	43	53	91	8	36	39.20	256156.8600	15.5	63	83	133	16	48	107.50
256156.4300	7.2	43	53	91	8	36	39.20	256156.8700	16	63	83	133	16	48	107.50
256156.4400	7.3	43	53	91	8	36	39.20								

NERIOX

256161 Solid carbide twist drill NERIOX

VHM	TiAlN	$\alpha: 140^\circ$		5xD	Z 2	
P	M	K	N			
			Cu, Al			


TiAlN, without flat, DIN 6537.

For drilling depths 5 x D, with internal cooling.

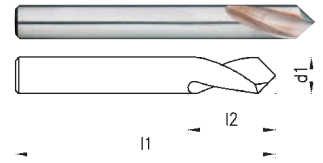
Tolerances: d1: m7 / d2: h6

Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Price EUR	Order ID	d1 mm	Lc mm	l2 mm	l1 mm	d2 mm	l3 mm	Price EUR
256161.0052	1	7	10	55	3	42	45.00	256161.3500	6.4	43	53	91	8	36	52.50
256161.0054	1.1	10	12	55	3	38	45.00	256161.3600	6.5	43	53	91	8	36	52.50
256161.0056	1.2	10	12	55	3	38	45.00	256161.3700	6.6	43	53	91	8	36	52.50
256161.0058	1.3	10	12	55	3	38	45.00	256161.3800	6.7	43	53	91	8	36	52.50
256161.0060	1.4	10	12	55	3	38	45.00	256161.3900	6.8	43	53	91	8	36	52.50
256161.0062	1.5	10	12	55	3	38	45.00	256161.4000	6.9	43	53	91	8	36	52.50
256161.0064	1.6	13	16	55	3	36	45.00	256161.4100	7	43	53	91	8	36	52.50
256161.0066	1.7	13	16	55	3	36	45.00	256161.4200	7.1	43	53	91	8	36	52.50
256161.0068	1.8	13	16	55	3	36	45.00	256161.4300	7.2	43	53	91	8	36	52.50
256161.0070	1.9	13	16	55	3	36	45.00	256161.4400	7.3	43	53	91	8	36	52.50
256161.0072	2	16	21	57	3	32	45.00	256161.4500	7.4	43	53	91	8	36	52.50
256161.0074	2.1	16	21	57	3	32	45.00	256161.4600	7.5	43	53	91	8	36	52.50
256161.0076	2.2	16	21	57	3	32	45.00	256161.4700	7.6	43	53	91	8	36	52.50
256161.0078	2.3	16	21	57	3	32	45.00	256161.4800	7.7	43	53	91	8	36	52.50
256161.0080	2.4	16	21	57	3	32	45.00	256161.4900	7.8	43	53	91	8	36	52.50
256161.0082	2.5	16	21	57	3	32	45.00	256161.5000	7.9	43	53	91	8	36	52.50
256161.0084	2.6	19	21	57	3	32	45.00	256161.5100	8	43	53	91	8	36	52.50
256161.0086	2.7	19	21	57	3	32	45.00	256161.5200	8.1	49	61	103	10	40	60.00
256161.0088	2.8	19	21	57	3	32	45.00	256161.5300	8.2	49	61	103	10	40	60.00
256161.0090	2.9	19	21	57	3	32	45.00	256161.5400	8.3	49	61	103	10	40	60.00
256161.0100	3	23	28	66	6	36	45.00	256161.5500	8.4	49	61	103	10	40	60.00
256161.0200	3.1	23	28	66	6	36	45.00	256161.5600	8.5	49	61	103	10	40	60.00
256161.0300	3.2	23	28	66	6	36	45.00	256161.5700	8.6	49	61	103	10	40	60.00
256161.0400	3.3	23	28	66	6	36	45.00	256161.5800	8.7	49	61	103	10	40	60.00
256161.0500	3.4	23	28	66	6	36	45.00	256161.5900	8.8	49	61	103	10	40	60.00
256161.0600	3.5	23	28	66	6	36	45.00	256161.6000	8.9	49	61	103	10	40	60.00
256161.0700	3.6	23	28	66	6	36	45.00	256161.6100	9	49	61	103	10	40	60.00
256161.0800	3.7	23	28	66	6	36	45.00	256161.6200	9.1	49	61	103	10	40	60.00
256161.0900	3.8	29	36	74	6	36	45.00	256161.6300	9.2	49	61	103	10	40	60.00
256161.1000	3.9	29	36	74	6	36	45.00	256161.6400	9.3	49	61	103	10	40	60.00
256161.1100	4	29	36	74	6	36	45.00	256161.6500	9.4	49	61	103	10	40	60.00
256161.1200	4.1	29	36	74	6	36	45.00	256161.6600	9.5	49	61	103	10	40	60.00
256161.1300	4.2	29	36	74	6	36	45.00	256161.6700	9.6	49	61	103	10	40	60.00
256161.1400	4.3	29	36	74	6	36	45.00	256161.6800	9.7	49	61	103	10	40	60.00
256161.1500	4.4	29	36	74	6	36	45.00	256161.6900	9.8	49	61	103	10	40	60.00
256161.1600	4.5	29	36	74	6	36	45.00	256161.7000	9.9	49	61	103	10	40	60.00
256161.1700	4.6	29	36	74	6	36	45.00	256161.7100	10	49	61	103	10	40	60.00
256161.1800	4.7	29	36	74	6	36	45.00	256161.7200	10.2	56	71	118	12	45	85.00
256161.1900	4.8	35	44	82	6	36	45.00	256161.7300	10.5	56	71	118	12	45	85.00
256161.2000	4.9	35	44	82	6	36	45.00	256161.7400	10.8	56	71	118	12	45	85.00
256161.2100	5	35	44	82	6	36	45.00	256161.7500	11	56	71	118	12	45	85.00
256161.2200	5.1	35	44	82	6	36	45.00	256161.7600	11.2	56	71	118	12	45	85.00
256161.2300	5.2	35	44	82	6	36	45.00	256161.7700	11.5	56	71	118	12	45	85.00
256161.2400	5.3	35	44	82	6	36	45.00	256161.7800	11.8	56	71	118	12	45	85.00
256161.2500	5.4	35	44	82	6	36	45.00	256161.7900	12	56	71	118	12	45	85.00
256161.2600	5.5	35	44	82	6	36	45.00	256161.8000	12.5	60	77	124	14	45	108.30
256161.2700	5.6	35	44	82	6	36	45.00	256161.8100	13	60	77	124	14	45	108.30
256161.2800	5.7	35	44	82	6	36	45.00	256161.8200	13.5	60	77	124	14	45	108.30
256161.2900	5.8	35	44	82	6	36	45.00	256161.8300	14	60	77	124	14	45	108.30
256161.3000	5.9	35	44	82	6	36	45.00	256161.8400	14.5	63	83	133	16	48	133.30
256161.3100	6	35	44	82	6	36	45.00	256161.8500	15	63	83	133	16	48	133.30
256161.3200	6.1	43	53	91	8	36	52.50	256161.8600	15.5	63	83	133	16	48	133.30
256161.3300	6.2	43	53	91	8	36	52.50	256161.8700	16	63	83	133	16	48	133.30
256161.3400	6.3	43	53	91	8	36	52.50								

250101 NC spotting drill 90° NERIOX

HSS-E Co8		
P ≤ 850	M ≤ 900	N Cu, Al

NERIOX




Type N, HSSE-Co8, cylindrical shank

Application:

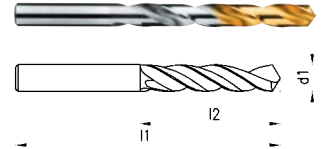
For fast and accurate spot drilling with NC/CNC machines and machining centres. The version with the 90° tip angle allows both centring and pre-drilling for the next-largest diameter.

Order ID	d1 mm	l2 mm	l1 mm	Price EUR	Order ID	d1 mm	l2 mm	l1 mm	Price EUR
250101.0100	3	12	46	6.50	250101.0600	10	25	88	12.90
250101.0200	4	12	55	6.50	250101.0700	12	30	102	16.30
250101.0300	5	15	60	6.90	250101.0800	16	35	115	29.30
250101.0400	6	20	66	8.90	250101.0900	20	40	131	40.80
250101.0500	8	25	79	9.90					

254031 Twist drill NERIOX

HSS	TiN	α: 118°		DIN 338
P	K	N Cu Al≤4%Si	S Ti	

NERIOX



Type N, made of HSS, TiN-coated drill head, grinded grooves, DIN 338.

Application

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

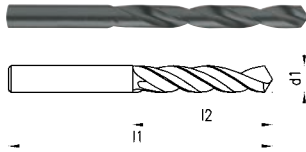
Designs:

1 mm...8 mm: Packaging unit [Stk] 10 pieces

8.5 mm...13 mm: Packaging unit [Stk] 5 pieces

Order ID	d1 mm	l2 mm	l1 mm	Price EUR	Order ID	d1 mm	l2 mm	l1 mm	Price EUR
254031.0100	1	12	34	1.00	254031.3900	4.8	52	86	1.90
254031.0200	1.1	14	36	1.00	254031.4000	4.9	52	86	1.90
254031.0300	1.2	16	38	1.00	254031.4100	5	52	86	2.10
254031.0400	1.3	16	38	1.00	254031.4200	5.1	52	86	2.60
254031.0500	1.4	18	40	1.00	254031.4300	5.2	52	86	2.60
254031.0600	1.5	18	40	1.00	254031.4400	5.3	52	86	2.60
254031.0700	1.6	20	43	1.20	254031.4500	5.4	57	93	2.60
254031.0800	1.7	20	43	1.20	254031.4600	5.5	57	93	2.80
254031.0900	1.8	22	46	1.20	254031.4700	5.6	57	93	2.80
254031.1000	1.9	22	46	1.20	254031.4800	5.7	57	93	2.80
254031.1100	2	24	49	1.20	254031.4900	5.8	57	93	2.80
254031.1200	2.1	24	49	1.30	254031.5000	5.9	57	93	2.80
254031.1300	2.2	27	53	1.30	254031.5100	6	57	93	2.80
254031.1400	2.3	27	53	1.30	254031.5200	6.1	63	101	2.90
254031.1500	2.4	30	57	1.30	254031.5300	6.2	63	101	2.90
254031.1600	2.5	30	57	1.30	254031.5400	6.3	63	101	2.90
254031.1700	2.6	30	57	1.20	254031.5500	6.4	63	101	2.90
254031.1800	2.7	33	61	1.20	254031.5600	6.5	63	101	3.10
254031.1900	2.8	33	61	1.20	254031.5700	6.6	63	101	3.60
254031.2000	2.9	33	61	1.20	254031.5800	6.7	63	101	3.60
254031.2100	3	33	61	1.30	254031.5900	6.8	69	109	3.60
254031.2200	3.1	36	65	1.30	254031.6000	6.9	69	109	3.60
254031.2300	3.2	36	65	1.30	254031.6100	7	69	109	3.90
254031.2400	3.3	36	65	1.30	254031.6200	7.5	69	109	4.60
254031.2500	3.4	39	70	1.30	254031.6300	7.8	75	117	4.60
254031.2600	3.5	39	70	1.70	254031.6400	8	75	117	5.20
254031.2700	3.6	39	70	1.70	254031.6500	8.5	75	117	6.00
254031.2800	3.7	39	70	1.70	254031.6600	9	81	125	6.80
254031.2900	3.8	43	75	1.70	254031.6700	9.5	81	125	7.40
254031.3000	3.9	43	75	1.70	254031.6800	10	87	133	7.80
254031.3100	4	43	75	1.80	254031.6900	10.2	87	133	8.60
254031.3200	4.1	43	75	1.80	254031.7000	10.5	87	133	8.60
254031.3300	4.2	43	75	1.80	254031.7100	11	94	142	10.40
254031.3400	4.3	47	80	1.80	254031.7200	11.5	94	142	10.60
254031.3500	4.4	47	80	1.80	254031.7300	12	101	151	12.30
254031.3600	4.5	47	80	1.90	254031.7400	12.5	101	151	12.80
254031.3700	4.6	47	80	1.90	254031.7500	13	101	151	14.90
254031.3800	4.7	47	80	1.90					

NERIOX



254191 Twist drill NERIOX

Type N, DIN 338, roll-forged

HSS	$\alpha: 118^\circ$		DIN 338
P ≤ 850	K		

HSS-R, point angle 118°, steam-tempered

Application

For drilling steel and cast steel (alloyed and unalloyed), cast iron, malleable cast iron, ductile cast iron, sintered iron, etc. (up to 900 N/mm²).


Designs:

1 mm...10 mm: Packaging unit [Stk] 10 pieces

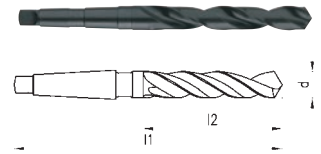
10.2 mm...13 mm: Packaging unit [Stk] 5 pieces

Order ID	d1 mm	l2 mm	l1 mm	Price EUR	Order ID	d1 mm	l2 mm	l1 mm	Price EUR
254191.0050	1	12	34	0.20	254191.2500	5.9	57	93	0.60
254191.0100	1.1	14	36	0.30	254191.2550	6	57	93	0.60
254191.0150	1.2	16	38	0.30	254191.2600	6.1	63	101	0.70
254191.0200	1.3	16	38	0.30	254191.2650	6.2	63	101	0.70
254191.0250	1.4	18	40	0.30	254191.2700	6.3	63	101	0.70
254191.0300	1.5	18	40	0.30	254191.2750	6.4	63	101	0.70
254191.0350	1.6	20	43	0.30	254191.2800	6.5	63	101	0.70
254191.0400	1.7	20	43	0.30	254191.2850	6.6	63	101	0.70
254191.0450	1.8	22	46	0.30	254191.2900	6.7	63	101	0.70
254191.0500	1.9	22	46	0.30	254191.2950	6.8	69	109	0.70
254191.0550	2	24	49	0.30	254191.3000	6.9	69	109	0.70
254191.0600	2.1	24	49	0.30	254191.3050	7	69	109	0.70
254191.0650	2.2	27	53	0.30	254191.3100	7.1	69	109	0.80
254191.0700	2.3	27	53	0.30	254191.3150	7.2	69	109	0.80
254191.0750	2.4	30	57	0.30	254191.3200	7.3	69	109	0.80
254191.0800	2.5	30	57	0.30	254191.3250	7.4	69	109	0.80
254191.0850	2.6	30	57	0.30	254191.3300	7.5	69	109	0.80
254191.0900	2.7	33	61	0.30	254191.3350	7.6	75	117	1.00
254191.0950	2.8	33	61	0.30	254191.3400	7.7	75	117	1.00
254191.1000	2.9	33	61	0.30	254191.3450	7.8	75	117	1.00
254191.1050	3	33	61	0.30	254191.3500	7.9	75	117	1.00
254191.1100	3.1	36	65	0.30	254191.3550	8	75	117	1.00
254191.1150	3.2	36	65	0.30	254191.3600	8.1	75	117	1.20
254191.1200	3.3	36	65	0.30	254191.3650	8.2	75	117	1.20
254191.1250	3.4	39	70	0.30	254191.3700	8.3	75	117	1.20
254191.1300	3.5	39	70	0.30	254191.3750	8.4	75	117	1.20
254191.1350	3.6	39	70	0.40	254191.3800	8.5	75	117	1.20
254191.1400	3.7	39	70	0.40	254191.3850	8.6	81	125	1.30
254191.1450	3.8	43	75	0.40	254191.3900	8.7	81	125	1.30
254191.1500	3.9	43	75	0.40	254191.3950	8.8	81	125	1.30
254191.1550	4	43	75	0.40	254191.4000	8.9	81	125	1.30
254191.1600	4.1	43	75	0.40	254191.4050	9	81	125	1.30
254191.1650	4.2	43	75	0.40	254191.4100	9.1	81	125	1.30
254191.1700	4.3	47	80	0.40	254191.4150	9.2	81	125	1.30
254191.1750	4.4	47	80	0.40	254191.4200	9.3	81	125	1.30
254191.1800	4.5	47	80	0.40	254191.4250	9.4	81	125	1.30
254191.1850	4.6	47	80	0.40	254191.4300	9.5	81	125	1.30
254191.1900	4.7	47	80	0.40	254191.4350	9.6	87	133	1.80
254191.1950	4.8	52	86	0.40	254191.4400	9.7	87	133	1.80
254191.2000	4.9	52	86	0.40	254191.4450	9.8	87	133	1.80
254191.2050	5	52	86	0.40	254191.4500	9.9	87	133	1.80
254191.2100	5.1	52	86	0.50	254191.4550	10	87	133	1.80
254191.2150	5.2	52	86	0.50	254191.4600	10.2	87	133	2.00
254191.2200	5.3	52	86	0.50	254191.4650	10.5	87	133	2.00
254191.2250	5.4	57	93	0.50	254191.4750	11	94	142	2.20
254191.2300	5.5	57	93	0.50	254191.4850	11.5	94	142	2.30
254191.2350	5.6	57	93	0.60	254191.4950	12	101	151	2.80
254191.2400	5.7	57	93	0.60	254191.5050	12.5	101	151	2.80
254191.2450	5.8	57	93	0.60	254191.5150	13	101	151	3.00

254351 Morse taper shank drill NERIOX

HSS	$\alpha: 118^\circ$		DIN 345
P ≤ 850	K	N Cu Al≤4%Si	

NERIOX



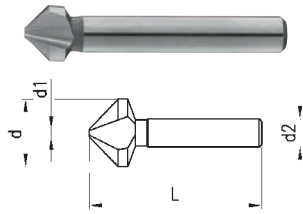
Type N, HSS, ground flutes; from 32 mm milled, DIN 345.

Application

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

Order ID	d mm	l2 mm	l1 mm	MT	Price EUR	Order ID	d mm	l2 mm	l1 mm	MT	Price EUR
254351.0170	13	101	182	1	14.30	254351.0430	19	135	233	2	22.50
254351.0200	13.5	108	189	1	14.80	254351.0450	19.5	140	238	2	24.20
254351.0210	13.75	108	189	1	16.50	254351.0460	19.75	140	238	2	27.00
254351.0230	14	108	189	1	14.80	254351.0470	20	140	238	2	25.70
254351.0250	14.5	114	212	2	14.90	254351.0490	20.5	145	243	2	26.20
254351.0260	14.75	114	212	2	21.20	254351.0510	21	145	243	2	26.70
254351.0270	15	114	212	2	16.00	254351.0530	21.5	150	248	2	28.80
254351.0280	15.25	120	218	2	19.80	254351.0540	21.75	150	248	2	34.80
254351.0290	15.5	120	218	2	17.80	254351.0550	22	150	248	2	28.00
254351.0300	15.75	120	218	2	18.30	254351.0570	22.5	155	253	2	31.00
254351.0310	16	120	218	2	17.80	254351.0590	23	155	253	2	33.00
254351.0320	16.25	125	223	2	24.70	254351.0610	23.5	155	276	3	34.70
254351.0330	16.5	125	223	2	19.20	254351.0630	24	160	281	3	36.20
254351.0340	16.75	125	223	2	20.20	254351.0650	24.5	160	281	3	38.00
254351.0350	17	125	223	2	20.20	254351.0670	25	160	281	3	40.40
254351.0360	17.25	130	228	2	22.70	254351.0710	26	165	286	3	42.10
254351.0370	17.5	130	228	2	20.30	254351.0750	27	170	291	3	45.00
254351.0380	17.75	130	228	2	22.80	254351.0790	28	170	291	3	48.80
254351.0390	18	130	228	2	21.50	254351.0830	29	175	296	3	51.70
254351.0410	18.5	135	233	2	22.50	254351.0870	30	175	296	3	57.10

NERIOX

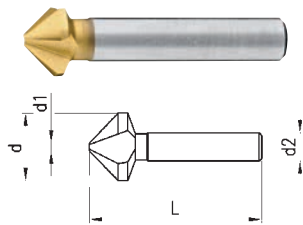
276151 Countersink 90° NERIOX

HSS		DIN 335C	Z 3
P ≤ 850	K	N Cu, Al	

Tolerance d: z9

Order ID	d mm	d1 mm	L mm	d2 mm	Price EUR
276151.0100	4.3	1.3	40	4	6.40
276151.0200	5	1.5	40	4	6.40
276151.0300	6	1.5	45	5	6.40
276151.0400	6.3	1.5	45	5	6.40
276151.0500	7	1.8	50	6	6.90
276151.0600	8	2	50	6	6.90
276151.0700	8.3	2	50	6	6.90
276151.0800	10	2.5	50	6	7.40
276151.0900	10.4	2.5	50	6	7.40
276151.1000	11.5	2.8	55	8	8.30
276151.1100	12.4	2.8	55	8	8.30
276151.1200	15	3.2	60	10	10.20
276151.1300	16.5	3.2	60	10	10.20
276151.1400	19	3.5	63	10	13.70
276151.1500	20.5	3.5	63	10	14.30
276151.1600	23	3.8	65	10	21.50
276151.1700	25	3.8	65	10	21.50
276151.1800	31	3.2	70	12	26.80

NERIOX

276153 Countersink 90° NERIOX


HSS	TiN		DIN 335C	Z 3
P ≤ 850	M ≤ 900	K	N Cu, Al	

Tolerance d: z9

Order ID	d mm	d1 mm	L mm	d2 mm	Price EUR
276153.0100	4.3	1.3	40	4	9.00
276153.0200	5	1.5	40	4	9.00
276153.0300	6	1.5	45	5	9.00
276153.0400	6.3	1.5	45	5	9.00
276153.0500	8	2	50	6	10.30
276153.0600	8.3	2	50	6	10.30
276153.0700	10	2.5	50	6	10.30
276153.0800	10.4	2.5	50	6	10.30
276153.0900	11.5	2.8	55	8	13.00
276153.1000	12.4	2.8	55	8	11.00
276153.1100	15	3.2	60	10	15.30
276153.1200	16.5	3.2	60	10	16.00
276153.1300	19	3.5	63	10	21.50
276153.1400	20.5	3.5	63	10	22.70
276153.1500	23	3.8	65	10	29.80
276153.1600	25	3.8	65	10	30.20
276153.1700	31	3.2	70	12	30.20

264181 Machine tap NERIOX

Metric ISO thread

HSS-E	VAP FeO	M	ISO 2 (6H)	B 3.5-5.5
	P ≤ 850	M ≤ 900	K	N Cu Al≤4%Si

Type UNI

Power class

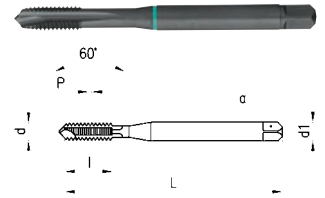
Universally applicable.

Designs:


M3...M10: reinforced shaft, DIN 371

Order ID	d	P	l	L	d1	a	Ø	Price EUR
		mm	mm	mm	mm	mm	mm	
264181.0100	M3	0.5	10	56	3.5	2.7	2.5	10.40
264181.0200	M4	0.7	12	63	4.5	3.4	3.3	10.60
264181.0300	M5	0.8	14	70	6	4.9	4.2	10.60
264181.0400	M6	1	16	80	6	4.9	5	10.80
264181.0500	M8	1.25	18	90	8	6.2	6.8	12.50
264181.0600	M10	1.5	20	100	10	8	8.5	15.00

NERIOX

**264186 Machine tap NERIOX**

Metric ISO thread

HSS-E	VAP FeO	M	ISO 2 (6H)	B 3.5-5.5
	P ≤ 850	M ≤ 900	K	N Cu Al≤4%Si

Type UNI

Power class

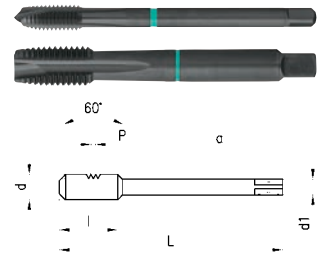
Universally applicable.

Designs:


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

Order ID	d	P	l	L	d1	a	Ø	Price EUR
		mm	mm	mm	mm	mm	mm	
264186.0100	M3	0.5	10	56	2.2	-	2.5	11.60
264186.0200	M4	0.7	12	63	2.8	2.1	3.3	11.40
264186.0300	M5	0.8	14	70	3.5	2.7	4.2	11.40
264186.0400	M6	1	16	80	4.5	3.4	5	12.00
264186.0500	M8	1.25	18	90	6	4.9	6.8	14.10
264186.0600	M10	1.5	20	100	7	5.5	8.5	16.20
264186.0700	M12	1.75	24	110	9	7	10.2	26.70
264186.0800	M14	2	26	110	11	9	12	39.20
264186.0900	M16	2	26	110	12	9	14	39.20
264186.1000	M18	2.5	30	125	14	11	15.5	62.10
264186.1100	M20	2.5	32	140	16	12	17.5	62.10
264186.1200	M22	2.5	32	140	18	14.5	19.5	80.80
264186.1300	M24	3	36	160	18	14.5	21	82.50
264186.1400	M27	3	36	160	20	16	24	102.90
264186.1500	M30	3.5	40	180	22	18	26.5	135.80
264186.1600	M36	4	50	200	28	22	32	210.80

NERIOX

**264191 Machine tap NERIOX**

Metric ISO thread

HSS-E	VAP FeO	M	ISO 2 (6H)	C 2-3
	P ≤ 850	M ≤ 900	K	N Cu Al≤4%Si

Type UNI

Power class

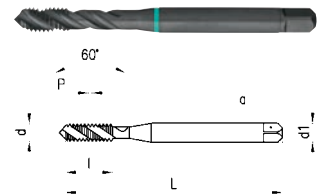
Universally applicable.

Designs:

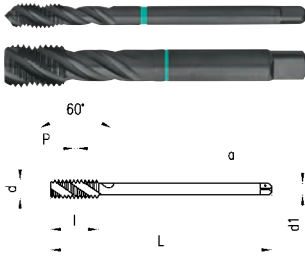
M3...M10: reinforced shaft, DIN 371

Order ID	d	P	l	L	d1	a	Ø	Price EUR
		mm	mm	mm	mm	mm	mm	
264191.0100	M3	0.5	6	56	3.5	2.7	2.5	11.10
264191.0200	M4	0.7	7.5	63	4.5	3.4	3.3	11.10
264191.0300	M5	0.8	8.5	70	6	4.9	4.2	11.60
264191.0400	M6	1	11	80	6	4.9	5	12.00
264191.0500	M8	1.25	14	90	8	6.2	6.8	14.10
264191.0600	M10	1.5	16	100	10	8	8.5	16.20

NERIOX



NERIOX

**264196 Machine tap NERIOX**

Metric ISO thread

HSS-E	VAP FeO	M	ISO 2 (6H)	C 2-3
	P ≤ 850	M ≤ 900	K	N Cu Al≤4%Si

Type UNI**Power class**

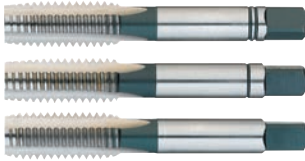
Universally applicable.

Designs:

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

Order ID	d	P	l	L	d1	a	Ø	Price EUR
	mm	mm	mm	mm	mm	mm	mm	
264196.0100	M3	0.5	6	56	2.2	-	2.5	13.50
264196.0200	M4	0.7	7.5	63	2.8	2.1	3.3	12.20
264196.0300	M5	0.8	8.5	70	3.5	2.7	4.2	12.00
264196.0400	M6	1	11	80	4.5	3.4	5	11.80
264196.0500	M8	1.25	14	90	6	4.9	6.8	12.30
264196.0600	M10	1.5	16	100	7	5.5	8.5	16.70
264196.0700	M12	1.75	18.5	110	9	7	10.2	25.80
264196.0800	M14	2	20	110	11	9	12	38.30
264196.0900	M16	2	20	110	12	9	14	37.70
264196.1000	M18	2.5	25	125	14	11	15.5	58.30
264196.1100	M20	2.5	25	140	16	12	17.5	56.70
264196.1200	M22	2.5	27	140	18	14.5	19.5	98.30
264196.1300	M24	3	30	160	18	14.5	21	80.80
264196.1400	M27	3	30	160	20	16	24	119.20
264196.1500	M30	3.5	35	180	22	18	26.5	143.30
264196.1600	M36	4	40	200	28	22	32	230.00

NERIOX

**264381 Tap set NERIOX**

Metric ISO thread

HSS	M	ISO 2 (6H)	
	P	K	N Cu, Al

set of 3 pieces, taper, second and bottoming tap

Power classFor general low-carbon steels, free-machining steels, tempered steels, high-alloy steels, cast steel up to 900 N/mm².**Hole Type:** through holes and pocket holes.**Designs:**

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

Order ID	d	P	L	l	d1	a	Ø	Price EUR
	mm	mm	mm	mm	mm	mm	mm	
264381.0100	M2	0.4	36	8	2.8	2.1	1.6	12.30
264381.0200	M2.5	0.45	40	9	2.8	2.1	2.05	12.30
264381.0300	M3	0.5	40	10	3.5	2.7	2.5	12.30
264381.0400	M4	0.7	45	12	4.5	3.4	3.3	12.30
264381.0500	M5	0.8	50	14	6	4.9	4.2	13.80
264381.0600	M6	1	56	16	6	4.9	5	14.00
264381.0700	M8	1.25	63	20	6	4.9	6.8	17.80
264381.0800	M10	1.5	70	22	7	5.5	8.5	21.40
264381.0900	M12	1.75	75	24	9	7	10.2	30.80
264381.0950	M14	2	80	26	11	9	12	35.25
264381.1000	M16	2	80	27	12	9	14	44.20
264381.1100	M18	2.5	95	30	14	11	15.5	69.50
264381.1200	M20	2.5	95	32	16	12	17.5	82.80
264381.1300	M22	2.5	95	32	18	14.5	19.5	109.60
264381.1400	M24	3	110	34	18	14.5	21	128.30
264381.1500	M27	3	110	36	20	16	24	149.60
264381.1600	M30	3.5	125	40	22	18	26.5	214.20

264471 Hand tap set NERIOX M3 - M12

NERIOX

Metric ISO thread

HSS	M	ISO 2 (6H)
	P ≤ 600	K N Cu, Al

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 metal case.

Designs:

reinforced/falling trough shaft, DIN 371 / 376

Order ID	Size	DIN	Price EUR
264471.0100	M3 - M12	352	105.80



264472 Tap set NERIOX M3 - M12

NERIOX

Metric ISO thread

HSS	M	ISO 2 (6H)
	P ≤ 600	K N Cu, Al

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 metal case.

Designs:

reinforced/falling trough shaft, DIN 371 / 376


Order ID	Size	Standard	Price EUR
264472.0100	M3 - M12	DIN 371 / DIN 376	105.00



264491 Tap set NERIOX

NERIOX

Metric ISO thread

HSS-E	VAP FeO	M	ISO 2 (6H)	B 3.5-5.5
	P ≤ 850	M ≤ 900	K	N Cu Al≤4% Si

Type UNI

Power class

Universally applicable.

Designs:

reinforced/falling trough shaft, DIN 371 / 376


Order ID	Size	Price EUR
264491.0100	M5...M12	74.60



264496 Tap set NERIOX

NERIOX

Metric ISO thread

HSS-E	VAP FeO	M	ISO 2 (6H)	B 3.5-5.5
	P ≤ 850	M ≤ 900	K	N Cu Al≤4% Si

Type UNI

Power class

Universally applicable.

Designs:

reinforced/falling trough shaft, DIN 371 / 376

Order ID	Size	Price EUR
264496.0100	M5...M12	74.60



NERIOX

**265112 Die set NERIOX M3-M12 HSS**

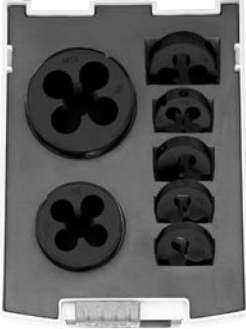
Metric ISO thread

HSS	M	6g
P ≤ 600	N Cu Al≤4%Si	

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

Order ID	Size	Price EUR
265112.0100	M3-M12	77.20

NERIOX

**265113 Die set NERIOX M3-M12 HSS-E**

Metric ISO thread

HSS-E	M	6g
P	M ≤ 900	

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

Order ID	Size	Price EUR
265113.0100	M3-M12	147.10

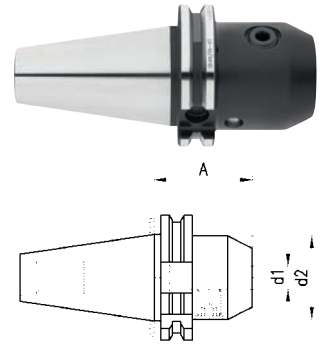
330601 End mill chuck NERIOX SK40

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	Price EUR
330601.0100	SK 40	6	50	25	40.20
330601.0200	SK 40	8	50	28	40.20
330601.0300	SK 40	10	50	35	37.60
330601.0400	SK 40	12	50	42	37.60
330601.0500	SK 40	14	50	44	37.60
330601.0600	SK 40	16	63	48	37.60
330601.0700	SK 40	18	63	50	37.60
330601.0800	SK 40	20	63	50	37.60
330601.0900	SK 40	25	100	62.5	44.10
330601.1000	SK 40	32	100	72	44.10

NERIOX



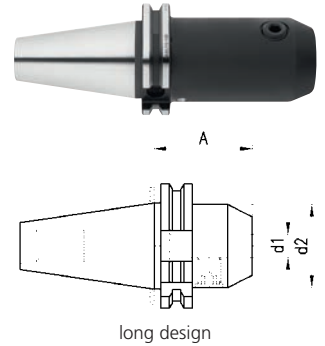
330611 End mill chuck NERIOX SK40, A=100

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	Price EUR
330611.0100	SK 40	6	100	25	48.00
330611.0200	SK 40	8	100	28	48.00
330611.0300	SK 40	10	100	35	44.10
330611.0400	SK 40	12	100	42	44.10
330611.0500	SK 40	14	100	44	44.10
330611.0600	SK 40	16	100	48	44.10
330611.0700	SK 40	18	100	50	44.10
330611.0800	SK 40	20	100	52	52.70

NERIOX



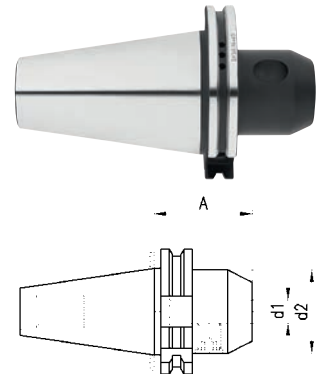
330631 End mill chuck NERIOX SK50

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	Price EUR
330631.0100	SK 50	6	63	25	67.90
330631.0200	SK 50	8	63	28	67.90
330631.0300	SK 50	10	63	35	66.25
330631.0400	SK 50	12	63	42	66.25
330631.0500	SK 50	14	63	44	66.25
330631.0600	SK 50	16	63	48	66.25
330631.0700	SK 50	18	63	50	66.25
330631.0800	SK 50	20	63	52	66.25
330631.0900	SK 50	25	80	65	71.60
330631.1000	SK 50	32	100	72	78.30

NERIOX



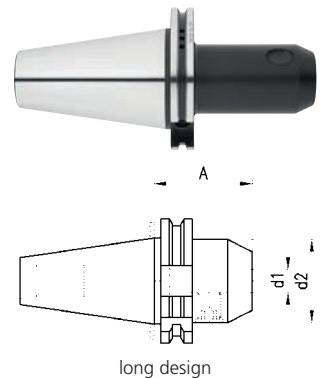
330641 End mill chuck NERIOX SK50, A=100

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	Price EUR
330641.0100	SK 50	6	100	25	67.50
330641.0200	SK 50	8	100	28	67.50
330641.0300	SK 50	10	100	35	66.30
330641.0400	SK 50	12	100	42	66.30
330641.0500	SK 50	14	100	44	66.30
330641.0600	SK 50	16	100	48	66.30
330641.0700	SK 50	18	100	50	66.30
330641.0800	SK 50	20	100	52	66.30

NERIOX

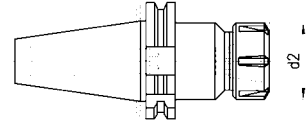
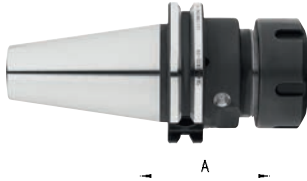


NERIOX

330701 ER collet chuck NERIOX 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



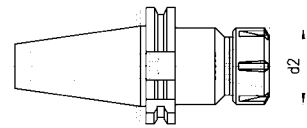
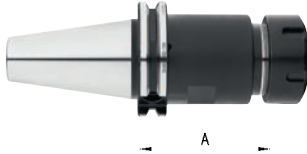
Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm	Price EUR
330701.0100	SK 40	ER 16	70	28	1-10	49.30
330701.0200	SK 40	ER 25	70	42	2-16	49.30
330701.0300	SK 40	ER 32	70	50	2-20	51.80
330701.0400	SK 40	ER 40	80	63	3-26	54.40

NERIOX

330711 ER collet chuck NERIOX 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



Long version

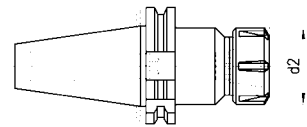
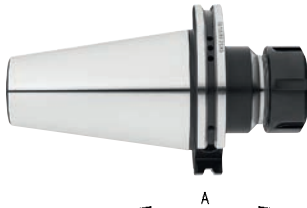
Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm	Price EUR
330711.0100	SK 40	ER 16	100	28	1-10	55.60
330711.0200	SK 40	ER 25	100	42	2-16	62.10
330711.0300	SK 40	ER 32	100	50	2-20	62.10
330711.0400	SK 40	ER 40	100	63	3-36	68.80

NERIOX

330731 ER collet chuck NERIOX 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



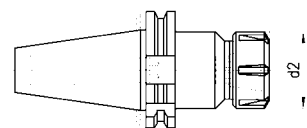
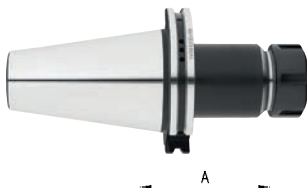
Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm	Price EUR
330731.0100	SK 50	ER 16	63	28	1-10	77.80
330731.0200	SK 50	ER 25	70	42	2-16	76.70
330731.0300	SK 50	ER 32	70	50	2-20	78.90
330731.0400	SK 50	ER 40	80	63	3-26	78.90

NERIOX

330741 ER collet chuck NERIOX 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



Long version

Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm	Price EUR
330741.0100	SK 50	ER 16	100	28	1-10	88.33
330741.0200	SK 50	ER 25	100	42	2-16	88.33
330741.0300	SK 50	ER 32	100	50	2-20	90.00
330741.0400	SK 50	ER 40	100	63	3-26	92.50

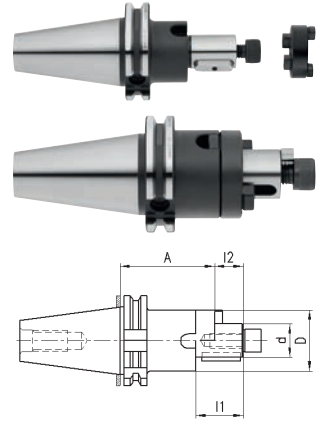
330801 Comb. shell mill arbour NERIOX SK40

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	l2 mm	D mm	l1 mm	Price EUR
330801.0100	SK 40	16	55	17	32	27	51.80
330801.0200	SK 40	22	55	19	40	31	53.10
330801.0300	SK 40	27	55	21	48	33	53.10
330801.0400	SK 40	32	60	24	58	38	58.40
330801.0500	SK 40	40	60	27	70	41	66.30

NERIOX



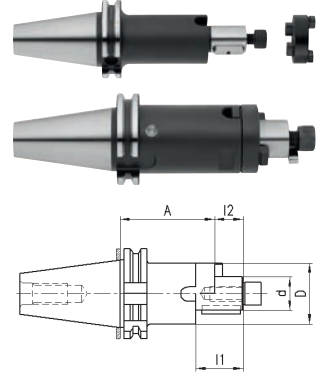
330811 Comb. shell mill arbour NERIOX SK40

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	l2 mm	D mm	l1 mm	Price EUR
330811.0100	SK 40	16	100	17	32	27	64.90
330811.0200	SK 40	22	100	19	40	31	66.30
330811.0300	SK 40	27	100	21	48	33	67.70
330811.0400	SK 40	32	100	24	58	38	70.10
330811.0500	SK 40	40	100	27	70	41	78.90

NERIOX



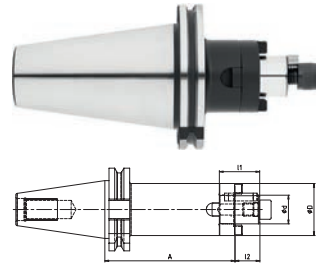
330821 Comb. shell mill arbour NERIOX SK50

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	l2 mm	D mm	l1 mm	Price EUR
330821.0100	SK 50	16	55	17	32	27	71.30
330821.0200	SK 50	22	55	19	40	31	71.30
330821.0300	SK 50	27	55	21	48	33	72.40
330821.0400	SK 50	32	60	24	58	38	75.30
330821.0500	SK 50	40	60	27	70	41	83.00

NERIOX



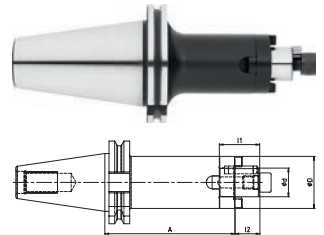
330831 Comb. shell mill arbour NERIOX SK50

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	l2 mm	D mm	l1 mm	Price EUR
330831.0100	SK 50	16	100	17	32	27	98.50
330831.0200	SK 50	22	100	19	40	31	100.50
330831.0300	SK 50	27	100	21	48	33	104.60
330831.0400	SK 50	32	100	24	58	38	111.70
330831.0500	SK 50	40	100	27	70	41	111.70

NERIOX

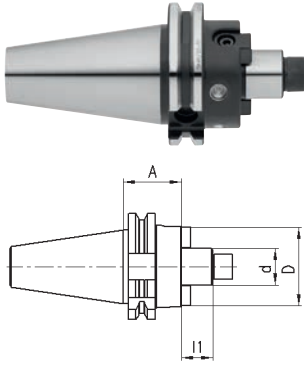


NERIOX

330841 Face mill holder NERIOX 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.



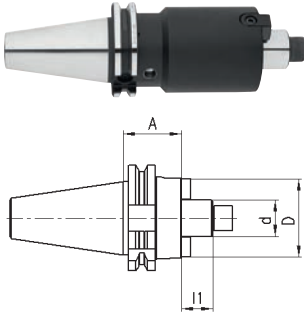
Order ID	Cone	d mm	A mm	l1 mm	D mm	Price EUR
330841.0100	SK 40	16	35	17	38	40.83
330841.0200	SK 40	22	35	19	48	42.92
330841.0300	SK 40	27	40	21	58	45.42
330841.0400	SK 40	32	50	24	78	46.67
330841.0500	SK 40	40	50	27	88	35.42

NERIOX

330851 Face mill holder NERIOX 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.



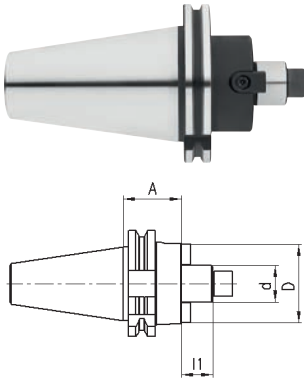
Order ID	Cone	d mm	A mm	l1 mm	D mm	Price EUR
330851.0100	SK 40	16	100	17	38	48.33
330851.0200	SK 40	22	100	19	48	50.42
330851.0300	SK 40	27	100	21	58	52.08
330851.0400	SK 40	32	100	24	78	54.17
330851.0500	SK 40	40	100	27	88	59.17

NERIOX

330871 Face mill holder NERIOX 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.



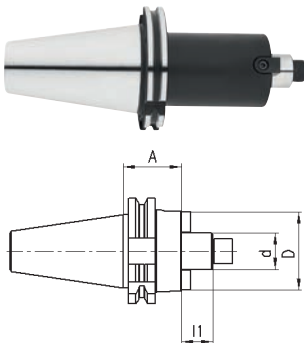
Order ID	Cone	d mm	A mm	l1 mm	D mm	Price EUR
330871.0100	SK 50	22	44	19	48	74.16
330871.0200	SK 50	27	44	21	58	75.83
330871.0300	SK 50	32	40	24	78	79.16
330871.0400	SK 50	40	50	27	88	87.50

NERIOX

330881 Face mill holder NERIOX 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	Price EUR
330881.0100	SK 50	22	100	19	48	90.00
330881.0200	SK 50	27	100	21	58	92.50
330881.0300	SK 50	32	100	24	78	96.00
330881.0400	SK 50	40	100	27	88	106.60

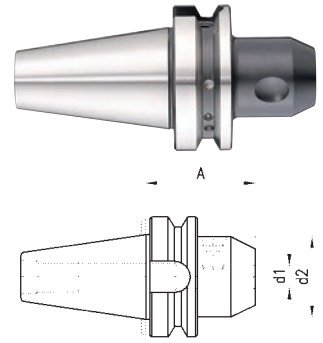
331343 End mill chuck NERIOX BT40

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	Price EUR
331343.0100	BT 40	6	50	25	40.20
331343.0200	BT 40	8	50	28	40.20
331343.0300	BT 40	10	63	35	37.60
331343.0400	BT 40	12	63	42	37.60
331343.0500	BT 40	14	63	44	37.60
331343.0600	BT 40	16	63	48	37.60
331343.0700	BT 40	18	63	50	37.60
331343.0800	BT 40	20	63	52	37.60
331343.0900	BT 40	25	90	62.5	44.10
331343.1000	BT 40	32	100	72	44.10

NERIOX



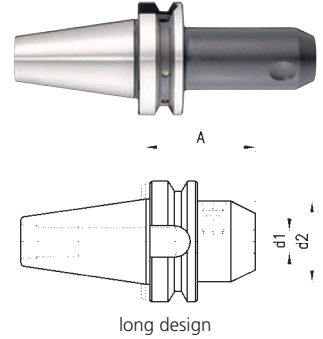
331345 End mill chuck NERIOX BT40, A=100

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	Price EUR
331345.0100	BT 40	6	100	25	48.00
331345.0200	BT 40	8	100	28	48.00
331345.0300	BT 40	10	100	35	44.10
331345.0400	BT 40	12	100	42	44.10
331345.0500	BT 40	14	100	44	44.10
331345.0600	BT 40	16	100	48	44.10
331345.0700	BT 40	18	100	50	44.10
331345.0800	BT 40	20	100	52	52.70

NERIOX



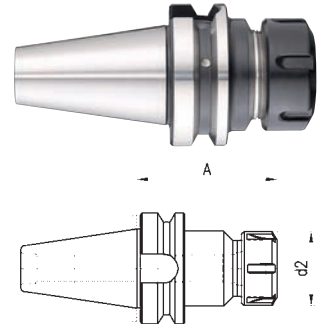
331347 ER collet chuck NERIOX BT40

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	Price EUR
331347.0100	BT 40	ER 16	70	28	1...10	49.30
331347.0200	BT 40	ER 25	70	42	2...16	49.30
331347.0300	BT 40	ER 32	70	50	2...20	51.80
331347.0400	BT 40	ER 40	80	63	3...26	54.40

NERIOX



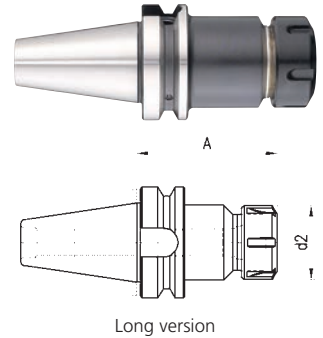
331349 ER collet chuck NERIOX BT40, A=100

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

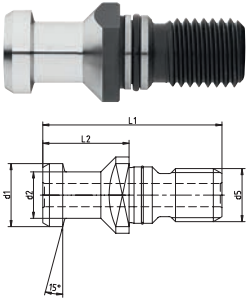
Application: clamping tools with cylindrical shank in the collet according to DIN 6499

Order ID	Cone	Collet chucks	A mm	d2 mm	Clamping capacity mm	Price EUR
331349.0100	BT 40	ER 16	100	28	1...10	55.60
331349.0200	BT 40	ER 25	100	42	2...16	62.10
331349.0300	BT 40	ER 32	100	50	2...20	62.10
331349.0400	BT 40	ER 40	100	63	3...36	68.80

NERIOX



NERIOX

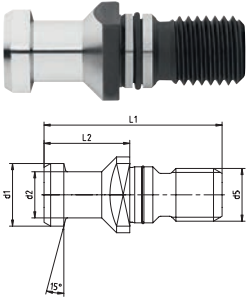


333111 Pull stud NERIOX DIN 69872 form A DIN69872A

With bore, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333111.0100	SK 40	19	14	15°	54	26	M16	8.10
333111.0200	SK 50	28	21	15°	74	34	M24	11.30

NERIOX

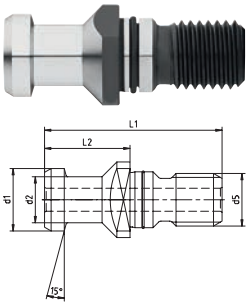


333121 Pull stud NERIOX DIN 69872 form B DIN69872B

Without hole, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333121.0100	SK 40	19	14	15°	26	26	M16	10.00
333121.0200	SK 50	28	21	15°	34	34	M24	12.30

NERIOX

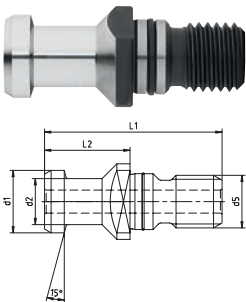


333126 Pull stud NERIOX Mori-Seiki L2=26

With hole Ø 7 mm, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333126.0100	SK 40	19	14	15°	54	26	M16	10.10

NERIOX

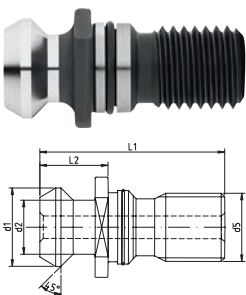


333131 Pull stud NERIOX Mori-Seiki L2=29

With hole Ø 7 mm, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333131.0100	SK 40	19	14	15°	54	29	M16	10.10

NERIOX



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

With bore, sealed.

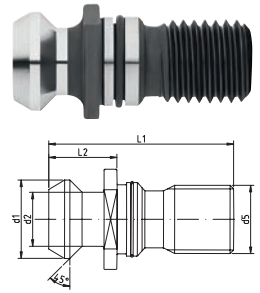
Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333141.0100	SK 40	18.95	12.95	45°	44.5	16.4	M16	8.20
333141.0200	SK 50	29.1	19.6	45°	65.5	25.5	M24	8.20

333146 Pull stud NERIOX 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	Price EUR
333146.0100	SK 40	18.95	12.95	45°	44.5	16.4	M16	10.00
333146.0200	SK 50	29.1	19.6	45°	65.5	25.5	M24	12.30

NERIOX



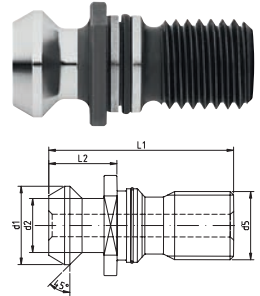
333151 Pull stud NERIOX for Mazak CAT

CAT

With hole \varnothing 6 mm, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333151.0100	SK 40	18.8	12.95	45°	41.25	16.4	M16	9.30

NERIOX



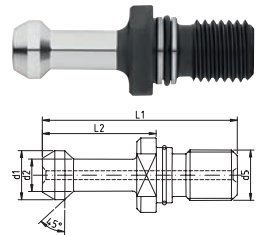
333176 Pull stud 45° NERIOX for JIS B 6339 MAS BT I

MAS BT I

With hole, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333176.0100	BT 40	15	10	45°	60	35	M16	10.60
333176.0200	BT 50	23	17	45°	85	45	M24	10.60

NERIOX



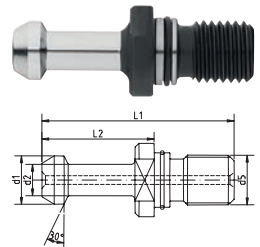
333186 Pull stud 30° NERIOX JIS-B 6339 MAS BT II

MAS BT II

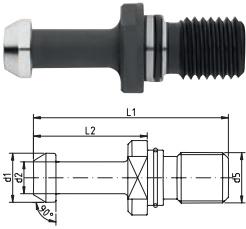
With hole, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333186.0100	BT 40	15	10	30°	60	35	M16	10.60
333186.0200	BT 50	23	17	30°	85	45	M24	15.20

NERIOX



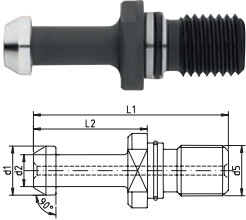
NERIOX

**333191 Pull stud 90° NERIOX for JIS B 6339****MAS BT**

Without hole, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333191.0100	BT 40	15	10	90°	60	35	M16	10.60
333191.0200	BT 50	23	17	90°	85	45	M24	10.60

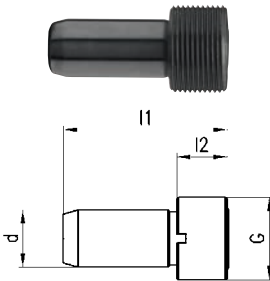
NERIOX

**333196 Pull stud 90° NERIOX for JIS B 6339****MAS BT**

With hole, sealed.

Order ID	for cone	d1 mm	d2 mm	Alpha	L1 mm	L2 mm	d5 mm	Price EUR
333196.0100	BT 40	15	10	90°	60	35	M16	10.60
333196.0200	BT 50	23	17	90°	85	45	M24	15.20

NERIOX

**333201 Coolant transfer tube NERIOX****DIN 69893, Form A+E**

for tool holders DIN 69893

Order ID	Type	G	d mm	l2 mm	l1 mm	Price EUR
333201.0100	HSK-25	M 8x1	5	4.5	17	11.50
333201.0200	HSK-32	M 10x1	6	5.5	26	10.30
333201.0300	HSK-40	M 12x1	8	7.5	29.5	10.30
333201.0400	HSK-50	M 16x1	10	9.5	33	10.30
333201.0500	HSK-63	M 18x1	12	11.5	36.5	10.30
333201.0600	HSK-80	M 20x1.5	14	13.5	40	11.50
333201.0700	HSK-100	M 24x1.5	16	15.5	44	11.50

218701 Saw blade holder NERIOX

Is part of:

218706 Saw blade holders set NERIOX

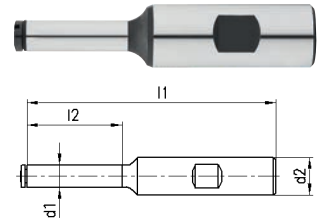
Appropriate spare parts:

218711 Replacement washer NERIOX

218716 Replacement screw NERIOX

Order ID	for saw blade Ø mm	Clamping Ø mm	d1 mm	d2 mm	l1 mm	l2 mm	Price EUR
218701.0100	20	5	10	20	90	32	62.50
218701.0200	25	8	13	20	100	42	66.70
218701.0300	32	8	16	20	105	53	72.10
218701.0400	40	10	19.5	20	110	59	75.80
218701.0500	50	13	24.5	25	136	77	80.40
218701.0600	63	16	24.5	25	136	77	84.60
218701.0700	80	22	34	25	150	92	112.50
218701.0800	100	22	39.5	25	150	92	112.50

NERIOX



218706 Saw blade holders set NERIOX

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

Consisting of:

218701.0100: 1 pieces Saw blade holder NERIOX 20

218701.0200: 1 pieces Saw blade holder NERIOX 25

218701.0300: 1 pieces Saw blade holder NERIOX 32

218701.0400: 1 pieces Saw blade holder NERIOX 40

218701.0500: 1 pieces Saw blade holder NERIOX 50

218701.0600: 1 pieces Saw blade holder NERIOX 63

Appropriate spare parts:

218711 Replacement washer NERIOX

218716 Replacement screw NERIOX

Order ID	for saw blade Ø mm	Price EUR
218706.0100	20 - 63	458.30

NERIOX



218711 Replacement washer NERIOX

Suitable for:

218701 Saw blade holder NERIOX

218706 Saw blade holders set NERIOX

Order ID	for mm	Price EUR
218711.0100	20	8.30
218711.0200	25	8.30
218711.0300	32	8.30
218711.0400	40	8.30
218711.0500	50	8.30
218711.0600	63	8.30
218711.0700	80	17.60
218711.0800	100	17.60

NERIOX



218716 Replacement screw NERIOX

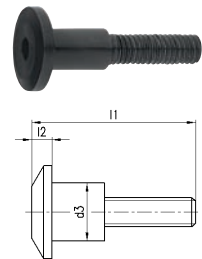
Suitable for:

218701 Saw blade holder NERIOX

218706 Saw blade holders set NERIOX

Order ID	for mm	d3 mm	l1 mm	l2 mm	Price EUR
218716.0100	20	5	31	3	18.60
218716.0200	25	8	35	3	20.80
218716.0300	32	8	35	3	23.00
218716.0400	40	10	46	3	25.00
218716.0500	50	10	46	4	27.20
218716.0600	63	13	50	4	29.50
218716.0700	80	16	52	4	30.70
218716.0800	100	16	52	4	33.00

NERIOX



NERIOX

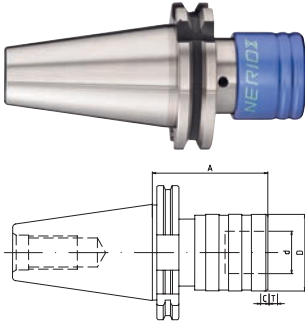
273301 Quick change tapping chuck NERIOX SK DIN 69871A

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.

Appropriate accessories:

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



Order ID	Cone	Tap drill	Inserts	d mm	D mm	A mm	T mm	C mm	Price EUR
273301.0100	SK 40	M3-M14	T1	19	38.5	60	7.5	7.5	135.80
273301.0200	SK 50	M3-M14	T1	19	38.5	63	7.5	7.5	210.00
273301.0300	SK 40	M6-M20	T2	31	55.2	100	12.5	12.5	180.00
273301.0400	SK 50	M6-M20	T2	31	55.2	75	12.5	12.5	216.70

NERIOX

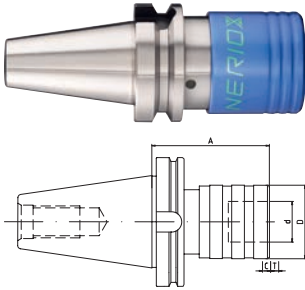
273306 Quick change tapping chuck NERIOX BT JIS-B 6339, Form A

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.

Appropriate accessories:

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



Order ID	Cone	Tap drill	Inserts	d mm	D mm	A mm	T mm	C mm	Price EUR
273306.0100	BT 40	M3-M14	T1	19	38.2	66	7.5	7.5	139.20
273306.0200	BT 50	M3-M14	T1	19	38.2	78	7.5	7.5	218.30
273306.0300	BT 40	M6-M20	T2	31	55.2	91	12.5	12.5	181.70
273306.0400	BT 50	M6-M20	T2	31	55.2	101	12.5	12.5	228.30

273311 Quick change tapping chuck NERIOX MT

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

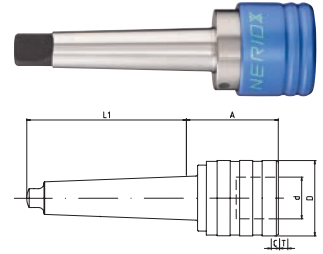
- For cutting threads exactly true gauge.
- For cutting right- and left-hand threads.
- For NC machines and CHC machining centres.

Appropriate accessories:

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

Order ID	Cone	Tap drill	Inserts	d mm	D mm	A mm	T mm	C mm	Price EUR
273311.0100	MK 2	M3-M12	T1	19	38.2	40	7.5	7.5	115.80
273311.0200	MK 3	M3-M12	T1	19	38.2	40	7.5	7.5	118.30
273311.0300	MK 3	M6-M20	T2	31	55.2	64	12.5	12.5	145.00
273311.0400	MK 4	M6-M20	T2	31	55.2	64	12.5	12.5	146.70

NERIOX



273316 Quick change tapping chuck NERIOX

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

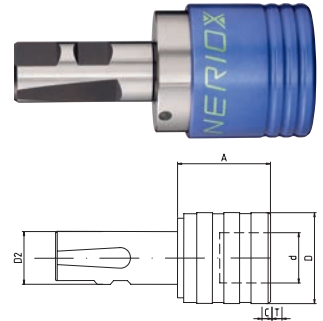
- For cutting threads exactly true gauge.
- For cutting right- and left-hand threads.
- For NC machines and CHC machining centres.

Appropriate accessories:

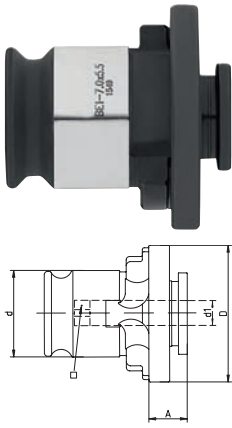
- 330901 Quick-change insert NERIOX without coupling (M3-M14)
- 330911 Quick-change insert NERIOX without coupling (M6-M20)
- 330921 Quick-change insert NERIOX with coupling M3-M14
- 330931 Quick-change insert NERIOX with coupling (M6-M20)

Order ID	Shaft mm	Tap drill	Inserts	D2 mm	d mm	D mm	A mm	T mm	C mm	Price EUR
273316.0100	20	M3-M12	T1	20	19	38.2	42	7.5	7.5	115.80
273316.0200	25	M3-M12	T1	25	19	38.2	42	7.5	7.5	115.80
273316.0300	25	M6-M20	T2	25	31	55.2	64	12.5	12.5	145.00

NERIOX



NERIOX

**330901 Quick-change insert NERIOX 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

Usable with:

273301 Quick change tapping chuck NERIOX SK DIN 69871A

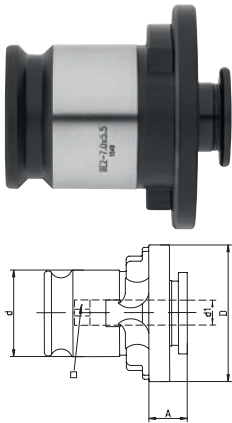
273306 Quick change tapping chuck NERIOX BT JIS-B 6339, Form A

273311 Quick change tapping chuck NERIOX MT

273316 Quick change tapping chuck NERIOX

Order ID	d1 mm	Square piece mm	d mm	D mm	A mm	Type	Price EUR
330901.0100	3.5	2.7	19	30	7	T1	11.50
330901.0200	4.5	3.4	19	30	7	T1	11.50
330901.0300	6	4.9	19	30	7	T1	11.50
330901.0400	7	5.5	19	30	7	T1	11.50
330901.0500	8	6.2	19	30	7	T1	11.50
330901.0600	9	7	19	30	7	T1	11.50
330901.0700	10	8	19	30	7	T1	11.50
330901.0800	11	9	19	30	7	T1	11.50

NERIOX

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

- For holding taps and thread formers

- Also suitable for central coolant feed (IKP) through the tap shank

Usable with:

273301 Quick change tapping chuck NERIOX SK DIN 69871A

273306 Quick change tapping chuck NERIOX BT JIS-B 6339, Form A

273311 Quick change tapping chuck NERIOX MT

273316 Quick change tapping chuck NERIOX

Order ID	d1 mm	Square piece mm	d mm	D mm	A mm	Type	Price EUR
330911.0100	6	4.9	31	48	11	T2	15.30
330911.0200	7	5.5	31	48	11	T2	15.30
330911.0300	8	6.2	31	48	11	T2	15.30
330911.0400	9	7	31	48	11	T2	15.30
330911.0500	10	8	31	48	11	T2	15.30
330911.0600	11	9	31	48	11	T2	15.30
330911.0700	12	9	31	48	11	T2	15.30
330911.0800	14	11	31	48	11	T2	15.30
330911.0900	16	12	31	48	11	T2	15.30

330921 Quick-change insert NERIOX with coupling M3-M14

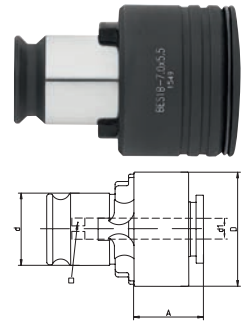
NERIOX

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

Usable with:

273301 Quick change tapping chuck NERIOX SK DIN 69871A
 273306 Quick change tapping chuck NERIOX BT JIS-B 6339, Form A
 273311 Quick change tapping chuck NERIOX MT
 273316 Quick change tapping chuck NERIOX

Order ID	d1 mm	Square piece mm	d mm	D mm	A mm	Type	Price EUR
330921.0100	3.5	2.7	19	32	25	T1	30.80
330921.0200	4.5	3.4	19	32	25	T1	30.80
330921.0300	6	4.9	19	32	25	T1	30.80
330921.0400	7	5.5	19	32	25	T1	30.80
330921.0500	8	6.2	19	32	25	T1	30.80
330921.0600	9	7	19	32	25	T1	30.80
330921.0700	10	8	19	32	25	T1	30.80
330921.0800	11	9	19	32	25	T1	30.80

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

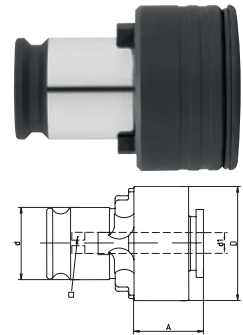
NERIOX

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

Usable with:

273301 Quick change tapping chuck NERIOX SK DIN 69871A
 273306 Quick change tapping chuck NERIOX BT JIS-B 6339, Form A
 273311 Quick change tapping chuck NERIOX MT
 273316 Quick change tapping chuck NERIOX

Order ID	d1 mm	Square piece mm	d mm	D mm	A mm	Type	Price EUR
330931.0100	6	4.9	31	50	34	T2	41.30
330931.0200	7	5.5	31	50	34	T2	41.30
330931.0300	8	6.2	31	50	34	T2	41.30
330931.0400	9	7	31	50	34	T2	41.30
330931.0500	10	8	31	50	34	T2	41.30
330931.0600	11	9	31	50	34	T2	41.30
330931.0700	12	9	31	50	34	T2	41.30
330931.0800	14	11	31	50	34	T2	41.30
330931.0900	16	12	31	50	34	T2	41.30

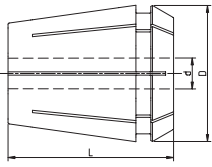


NERIOX

339201 Collet chuck NERIOX ER

DIN 6499

Type ER Standard



Application: For drilling, milling, reaming and thread cutting, as well as grinding.
Concentricity precision: $\leq 10 \mu\text{m}$ over the entire clamping range.

Is part of:

339211 Assortment of collet chucks NERIOX ER DIN 6499

Order ID	Type	d mm	Range mm	L mm	D mm	Price EUR	Order ID	Type	d mm	Range mm	L mm	D mm	Price EUR
339201.0010	ER 11	1	1...0.5	18	11.5	16.50	339201.0440	ER 25	16	16...15	34	26	10.80
339201.0020	ER 11	2	1...1.5	18	11.5	16.50	339201.0445	ER 32	2	2...1.5	40	33	18.70
339201.0030	ER 11	3	3...2.5	18	11.5	12.60	339201.0450	ER 32	3	3...2	40	33	14.10
339201.0040	ER 11	4	4...3.5	18	11.5	10.80	339201.0460	ER 32	4	4...3	40	33	11.80
339201.0050	ER 11	5	5...4.5	18	11.5	10.80	339201.0470	ER 32	5	5...4	40	33	11.80
339201.0060	ER 11	6	6...5.5	18	11.5	10.80	339201.0480	ER 32	6	6...5	40	33	11.80
339201.0070	ER 11	7	7...6.5	18	11.5	10.80	339201.0490	ER 32	7	7...6	40	33	11.80
339201.0080	ER 16	1	1...0.5	27.5	17	16.50	339201.0500	ER 32	8	8...7	40	33	11.80
339201.0090	ER 16	2	2...1.5	27.5	17	16.50	339201.0510	ER 32	9	9...8	40	33	11.80
339201.0100	ER 16	3	3...2	27.5	17	12.60	339201.0520	ER 32	10	10...9	40	33	11.80
339201.0110	ER 16	4	4...3	27.5	17	10.80	339201.0530	ER 32	11	11...10	40	33	11.80
339201.0120	ER 16	5	5...4	27.5	17	10.80	339201.0540	ER 32	12	12...11	40	33	11.80
339201.0130	ER 16	6	6...5	27.5	17	10.80	339201.0550	ER 32	13	13...12	40	33	11.80
339201.0140	ER 16	7	7...6	27.5	17	10.80	339201.0560	ER 32	14	14...13	40	33	11.80
339201.0150	ER 16	8	8...7	27.5	17	10.80	339201.0570	ER 32	15	15...14	40	33	11.80
339201.0160	ER 16	9	9...8	27.5	17	10.80	339201.0580	ER 32	16	16...15	40	33	11.80
339201.0170	ER 16	10	10...9	27.5	17	10.80	339201.0590	ER 32	17	17...16	40	33	11.80
339201.0175	ER 20	1	1...0.5	31.5	21	16.50	339201.0600	ER 32	18	18...17	40	33	11.80
339201.0180	ER 20	2	2...1.5	31.5	21	16.50	339201.0610	ER 32	19	19...18	40	33	11.80
339201.0190	ER 20	3	3...2	31.5	21	12.60	339201.0620	ER 32	20	20...19	40	33	11.80
339201.0200	ER 20	4	4...3	31.5	21	10.80	339201.0625	ER 40	3	3...2.5	60	52	15.10
339201.0210	ER 20	5	5...4	31.5	21	10.80	339201.0630	ER 40	4	4...3	60	52	15.10
339201.0220	ER 20	6	6...5	31.5	21	10.80	339201.0640	ER 40	5	5...4	60	52	15.10
339201.0230	ER 20	7	7...6	31.5	21	10.80	339201.0650	ER 40	6	6...5	60	52	15.10
339201.0240	ER 20	8	8...7	31.5	21	10.80	339201.0660	ER 40	7	7...6	60	52	15.10
339201.0250	ER 20	9	9...8	31.5	21	10.80	339201.0670	ER 40	8	8...7	60	52	15.10
339201.0260	ER 20	10	10...9	31.5	21	10.80	339201.0680	ER 40	9	9...8	60	52	15.10
339201.0270	ER 20	11	11...10	31.5	21	10.80	339201.0690	ER 40	10	10...9	60	52	15.10
339201.0280	ER 20	12	12...11	31.5	21	10.80	339201.0700	ER 40	11	11...10	60	52	15.10
339201.0290	ER 20	13	13...12	31.5	21	10.80	339201.0710	ER 40	12	12...11	60	52	15.10
339201.0295	ER 25	1	1...0.5	34	26	16.50	339201.0720	ER 40	13	13...12	60	52	15.10
339201.0300	ER 25	2	2...1.5	34	26	16.50	339201.0730	ER 40	14	14...13	60	52	15.10
339201.0310	ER 25	3	3...2	34	26	12.60	339201.0740	ER 40	15	15...14	60	52	15.10
339201.0320	ER 25	4	4...3	34	26	10.80	339201.0750	ER 40	16	16...15	60	52	15.10
339201.0330	ER 25	5	5...4	34	26	10.80	339201.0760	ER 40	17	17...16	60	52	15.10
339201.0340	ER 25	6	6...5	34	26	10.80	339201.0770	ER 40	18	18...17	60	52	15.10
339201.0350	ER 25	7	7...6	34	26	10.80	339201.0780	ER 40	19	19...18	60	52	15.10
339201.0360	ER 25	8	8...7	34	26	10.80	339201.0790	ER 40	20	20...19	60	52	15.10
339201.0370	ER 25	9	9...8	34	26	10.80	339201.0800	ER 40	21	21...20	60	52	15.10
339201.0380	ER 25	10	10...9	34	26	10.80	339201.0810	ER 40	22	22...21	60	52	15.10
339201.0390	ER 25	11	11...10	34	26	10.80	339201.0820	ER 40	23	23...22	60	52	15.10
339201.0400	ER 25	12	12...11	34	26	10.80	339201.0830	ER 40	24	24...23	60	52	15.10
339201.0410	ER 25	13	13...12	34	26	10.80	339201.0840	ER 40	25	25...24	60	52	15.10
339201.0420	ER 25	14	14...13	34	26	10.80	339201.0850	ER 40	26	26...25	60	52	15.10
339201.0430	ER 25	15	15...14	34	26	10.80							

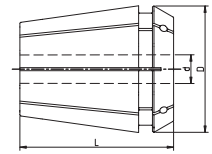
339203 Collet chuck NERIOX ER

DIN 6499

Type ER Standard

Application: For drilling, milling, reaming and thread cutting, as well as grinding.
Concentricity precision: $\leq 10 \mu\text{m}$ over the entire clamping range.

NERIOX



Order ID	Type	d mm	Range mm	L mm	D mm	Price EUR	Order ID	Type	d mm	Range mm	L mm	D mm	Price EUR
339203.0005	ER 16	2	2	27.5	17	23.70	339203.0210	ER 25	15	15	34	26	18.70
339203.0010	ER 16	3	3	27.5	17	23.70	339203.0220	ER 25	16	16	34	26	18.70
339203.0020	ER 16	4	4	27.5	17	17.30	339203.0225	ER 32	2	2	40	33	26.50
339203.0030	ER 16	5	5	27.5	17	17.30	339203.0230	ER 32	3	3	40	33	26.50
339203.0040	ER 16	6	6	27.5	17	17.30	339203.0240	ER 32	4	4	40	33	19.40
339203.0050	ER 16	7	7	27.5	17	17.30	339203.0250	ER 32	5	5	40	33	19.40
339203.0060	ER 16	8	8	27.5	17	17.30	339203.0260	ER 32	6	6	40	33	19.40
339203.0070	ER 16	9	9	27.5	17	17.30	339203.0270	ER 32	7	7	40	33	19.40
339203.0080	ER 16	10	10	27.5	17	17.30	339203.0280	ER 32	8	8	40	33	19.40
339203.0085	ER 25	2	2	34	26	25.80	339203.0290	ER 32	9	9	40	33	19.40
339203.0090	ER 25	3	3	34	26	25.80	339203.0300	ER 32	10	10	40	33	19.40
339203.0100	ER 25	4	4	34	26	18.70	339203.0310	ER 32	11	11	40	33	19.40
339203.0110	ER 25	5	5	34	26	18.70	339203.0320	ER 32	12	12	40	33	19.40
339203.0120	ER 25	6	6	34	26	18.70	339203.0330	ER 32	13	13	40	33	19.40
339203.0130	ER 25	7	7	34	26	18.70	339203.0340	ER 32	14	14	40	33	19.40
339203.0140	ER 25	8	8	34	26	18.70	339203.0350	ER 32	15	15	40	33	19.40
339203.0150	ER 25	9	9	34	26	18.70	339203.0360	ER 32	16	16	40	33	19.40
339203.0160	ER 25	10	10	34	26	18.70	339203.0370	ER 32	17	17	40	33	19.40
339203.0170	ER 25	11	11	34	26	18.70	339203.0380	ER 32	18	18	40	33	19.40
339203.0180	ER 25	12	12	34	26	18.70	339203.0390	ER 32	19	19	40	33	19.40
339203.0190	ER 25	13	13	34	26	18.70	339203.0400	ER 32	20	20	40	33	19.40
339203.0200	ER 25	14	14	34	26	18.70							

339211 Assortment of collet chucks NERIOX ER

DIN 6499

ER Standard

Assorted on plastic plug board.

Consisting of:

339201 Collet chuck NERIOX ER DIN 6499

NERIOX



Order ID	Type	Range mm	Each	d mm	Price EUR
339211.0100	ER 11	0.5...7	7	1...7	83.80
339211.0200	ER 16	0.5...10	10	1...10	124.60
339211.0300	ER 20	1.5...13	12	2...13	142.10
339211.0400	ER 25	1.5...16	15	2...16	175.00
339211.0500	ER 32	2.5...20	18	3...20	220.80
339211.0600	ER 40	3...26	23	4...26	353.30

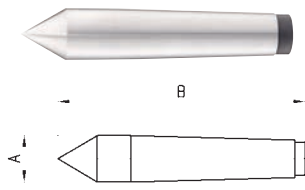
NERIOX

343001 Fixed centring tips NERIOX

DIN 806

60° with complete tip.

Made of tool steel, hardened, ground.



Order ID	MT	A mm	B mm	Weight kg	Price EUR
343001.0100	MK1	12.2	80	0.057	12.10
343001.0200	MK2	18	100	0.15	12.10
343001.0300	MK3	24.1	125	0.334	15.10
343001.0400	MK4	31.6	160	0.746	25.60
343001.0500	MK5	44.7	200	1.862	55.80

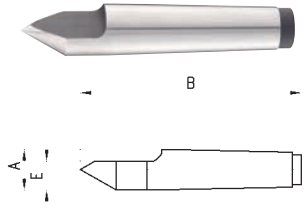
NERIOX

343021 Fixed centring tips NERIOX

DIN 806

60° with half tip.

Made of tool steel, hardened, ground.



Order ID	MT	E mm	A mm	B mm	Weight kg	Price EUR
343021.0100	MK1	7.6	12.065	80	0.057	13.60
343021.0200	MK2	11	17.78	100	0.15	16.50
343021.0300	MK3	15	23.825	125	0.334	22.70
343021.0400	MK4	21	31.267	160	0.746	30.20
343021.0500	MK5	29.4	44.399	200	1.862	61.80

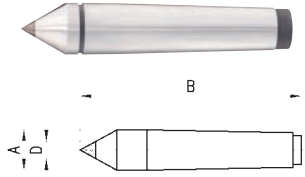
NERIOX

343041 Fixed centring tips NERIOX

With carbide insert

DIN 806

60° with complete tip.



Order ID	MT	D mm	A mm	B mm	Weight kg	Price EUR
343041.0100	MK1	8	12.2	80	0.057	33.16
343041.0200	MK2	8	18	100	0.151	36.16
343041.0300	MK3	12	24.1	125	0.335	48.16
343041.0400	MK4	15	31.6	160	0.746	72.25
343041.0500	MK5	18	44.7	200	1.826	127.50

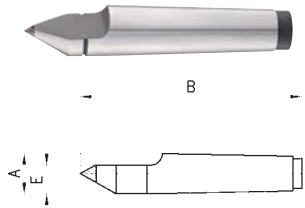
NERIOX

343061 Fixed centring tips NERIOX

With carbide insert

DIN 806

60° with complete tip.



Order ID	MT	E mm	A mm	B mm	Weight kg	Price EUR
343061.0100	MK1	7.6	12.2	80	0.06	49.70
343061.0200	MK2	11	18	100	0.15	51.20
343061.0300	MK3	15	24.1	125	0.34	75.30
343061.0400	MK4	21	31.6	160	0.71	107.00
343061.0500	MK5	29.4	44.7	200	1.78	177.50

314950 Reducing adapter NERIOX

NERIOX

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.

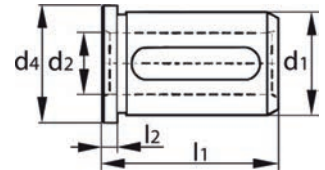
Order ID	d1 mm	d2 mm	d4 mm	l1 mm	l2 mm	Type	Price EUR
314950.0100	25	4	29	50	4	A	48.70
314950.0200	25	5	29	50	4	A	48.70
314950.0300	25	6	29	50	4	A	48.70
314950.0400	25	8	29	50	4	A	48.70
314950.0500	25	10	29	50	4	A	48.70
314950.0600	25	12	29	50	4	A	48.70
314950.0650	25	14	29	50	4	B	48.70
314950.0700	25	16	29	50	4	B	43.20
314950.0800	25	20	29	50	4	B	43.20
314950.0900	32	5	40	58	5	A	54.50
314950.1000	32	6	40	58	5	A	54.50
314950.1100	32	8	40	58	5	A	54.50
314950.1200	32	10	40	58	5	A	54.50
314950.1300	32	12	40	58	5	A	54.50
314950.1350	32	14	40	58	5	B	54.50
314950.1400	32	16	40	58	5	B	48.20
314950.1500	32	20	40	58	5	B	48.20
314950.1600	32	25	40	58	5	B	48.20
314950.1700	40	6	44	58	5	A	62.90
314950.1800	40	8	44	58	5	A	62.90
314950.1900	40	10	44	58	5	A	62.90
314950.2000	40	12	44	58	5	A	62.90
314950.2050	40	14	44	58	5	B	62.90
314950.2100	40	16	44	58	5	B	55.50
314950.2200	40	20	44	58	5	B	55.50
314950.2300	40	25	44	58	5	B	55.50
314950.2400	40	32	44	58	5	B	55.50
314950.2500	50	12	54	75	5	A	69.20
314950.2550	50	14	54	75	5	B	69.20
314950.2600	50	16	54	75	5	B	69.20
314950.2700	50	20	54	75	5	B	69.20
314950.2800	50	25	54	75	5	B	69.20
314950.2900	50	32	54	75	5	B	69.20
314950.3000	50	40	54	75	5	B	69.20



A



B

**342562 Conical clamping sleeve for taps NERIOX**

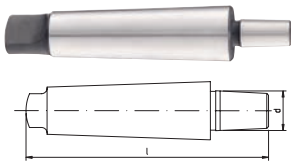
NERIOX

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	Price EUR
342562.0100	MK1	4	3.2	18.10
342562.0200	MK1	4.5	3.4	18.10
342562.0300	MK1	5	4.2	18.10
342562.0400	MK1	6	5.4	18.10
342562.0500	MK2	6.3	5.5	24.00
342562.0600	MK2	8	6.2	24.00
342562.0700	MK2	9	7.3	24.00
342562.0800	MK2	10	8.2	24.00
342562.0900	MK2	11	9.2	24.00
342562.1000	MK2	12	9.2	24.00
342562.1100	MK2	12.5	10.5	24.00
342562.1200	MK3	12.5	10.5	34.70
342562.1300	MK3	14	11.2	34.70
342562.1400	MK3	16	12.1	34.70
342562.1500	MK4	18	15.2	34.70
342562.1600	MK4	20	16.4	34.70
342562.1700	MK4	22	12.2	34.70

NERIOX

**342501 Insert cone NERIOX****Taper shank shaft**

Taper drill chuck DIN 238.

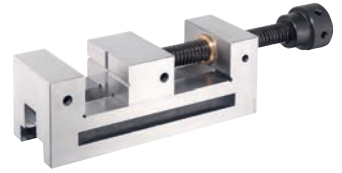
Order ID	Morse taper	Taper drill chuck	d mm	l mm	Price EUR
342501.0100	MK0	B10	10.09	80	6.40
342501.0200	MK0	B12	12.06	84	6.40
342501.0300	MK1	B10	10.09	86	6.40
342501.0400	MK1	B12	12.06	90	6.40
342501.0500	MK1	B16	15.73	97	6.40
342501.0600	MK1	B18	17.78	105	6.40
342501.0700	MK2	B10	10.09	101	7.20
342501.0800	MK2	B12	12.06	105	7.20
342501.0900	MK2	B16	15.73	112	7.20
342501.1000	MK2	B18	17.78	120	7.20
342501.1100	MK2	B22	21.79	128	7.20
342501.1200	MK3	B12	12.06	124	9.00
342501.1300	MK3	B16	15.73	131	9.00
342501.1400	MK3	B18	17.78	139	9.00
342501.1500	MK3	B22	21.79	147	9.00
342501.1600	MK3	B24	23.82	157	9.00
342501.1700	MK4	B12	12.06	149	12.00
342501.1800	MK4	B16	15.73	156	12.00
342501.1900	MK4	B18	17.78	164	12.00
342501.2000	MK4	B22	21.79	172	12.00
342501.2100	MK4	B24	23.82	182	12.00
342501.2200	MK5	B16	15.73	188	24.40
342501.2300	MK5	B18	17.78	196	24.40
342501.2400	MK5	B22	21.79	204	24.40
342501.2500	MK5	B24	23.82	214	24.40

410121 Vice NERIOX

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
Price EUR		158.80	199.60	246.70	455.00

NERIOX

**410601 Machine vice NERIOX**

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

Slot for T-nut: 20mm

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
Price EUR		383.30	437.50	583.30	650.00

NERIOX





80

Screwdrivers
and files



S. 82

Files



S. 84

Wrenches





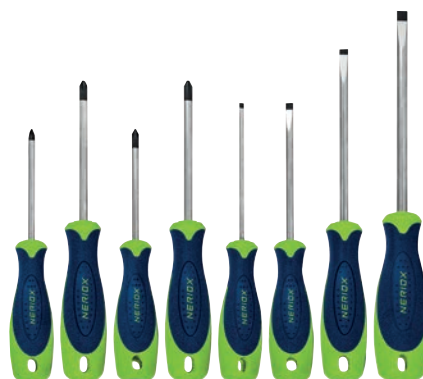
S. 90

Hexagon keys, Torx



S. 93

Socket wrenches, sets



S. 105

Screwdrivers

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	Price EUR
318650.0100	8	2 second cut	200	19.2 x 4.3	5.10
318650.0200	10	2 second cut	250	23.2 x 5	6.10

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	Price EUR
318655.0100	8	2 second cut	200	20.2 x 5.6	7.00
318655.0200	10	2 second cut	250	23.2 x 6.5	8.80

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	Price EUR
318660.0100	8	2 second cut	200	12.5	6.00
318660.0200	10	2 second cut	250	15.5	7.90

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	Price EUR
318665.0100	8	2 second cut	200	6.6	5.30
318665.0200	10	2 second cut	250	8.6	6.30

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	Price EUR
318670.0100	8	2 second cut	200	6.8	4.90
318670.0200	10	2 second cut	250	8.9	6.00

318675 Set of engineer's files NERIOX

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	Price EUR
318675.0100	8	2 second cut	200	Flat hand Half-round Three-square Square Round	27.20
318675.0200	10	2 second cut	250	Flat hand Half-round Three-square Square Round	35.20



NERIOX

420185 Adjustable wrench NERIOX

Chrome-vanadium steel, matt chrome-plated, polished head, with scale on both sides.



Order ID	Length mm	Clamping width mm	Price EUR
420185.0100	100	13	5.80
420185.0200	150	19	6.10
420185.0300	200	24	7.30
420185.0400	250	30	9.40
420185.0500	300	34	12.40
420185.0600	375	44	29.30
420185.0700	450	55	48.70
420185.0800	600	63	84.50

NERIOX

421016 Single open-end wrench NERIOXSized to DIN 894/ISO 3318, forged from special steel, tempered, **galvanised**. Tensile strength 140–170 kg/mm².

Order ID	Wrench size mm	Head mm	Length mm	Price EUR
421016.0100	6	3.5	73	0.80
421016.0200	7	3.5	77	0.80
421016.0300	8	3.8	95	0.80
421016.0400	9	4	100	0.80
421016.0500	10	4.5	105	0.80
421016.0600	11	5	110	0.80
421016.0700	12	5.5	125	0.90
421016.0800	13	5.8	130	0.90
421016.0900	14	6	140	1.20
421016.1000	15	6	150	1.20
421016.1100	16	6.2	155	1.20
421016.1200	17	6.4	155	1.30
421016.1300	18	6.8	161	1.40
421016.1400	19	7	170	1.40
421016.1500	21	8	181	1.80
421016.1600	22	8.2	193	1.90
421016.1700	24	8.6	216	2.40
421016.1800	27	9.5	240	2.80
421016.1900	30	10.5	260	4.10
421016.2000	32	11	274	4.40
421016.2100	34	11.5	295	6.40
421016.2200	36	12.8	299	6.50
421016.2300	38	13.2	324	7.70
421016.2400	41	15	339	9.20
421016.2500	46	15.5	380	11.60
421016.2600	50	16.5	401	13.80
421016.2700	55	17	442	18.30
421016.2800	60	17.5	473	25.50

421021 Single open-end wrench NERIOX

Sized to DIN 894/ISO 3318, forged from special steel, tempered, **phosphated**. Tensile strength 140–170 kg/mm².

NERIOX



Order ID	Wrench size mm	Head mm	Length mm	Price EUR
421021.0100	6	3.5	73	0.60
421021.0200	7	3.5	77	0.60
421021.0300	8	3.8	95	0.60
421021.0400	9	4	100	0.60
421021.0500	10	4.5	105	0.60
421021.0600	11	5	110	0.60
421021.0700	12	5.5	125	0.80
421021.0800	13	5.8	130	0.80
421021.0900	14	6	140	0.80
421021.1000	15	6	150	1.00
421021.1100	16	6.2	155	1.00
421021.1200	17	6.4	155	1.00
421021.1300	18	6.8	161	1.20
421021.1400	19	7	170	1.20
421021.1500	21	8	181	1.60
421021.1600	22	8.2	193	1.60
421021.1700	24	8.6	216	1.90
421021.1800	27	9.5	240	2.20
421021.1900	30	10.5	260	3.30
421021.2000	32	11	274	3.40
421021.2100	34	11.5	295	5.70
421021.2200	36	12.8	299	5.70
421021.2300	38	13.2	324	6.80
421021.2400	41	15	339	7.30
421021.2500	46	15.5	380	9.40
421021.2600	50	16.5	401	9.80
421021.2700	55	17	442	12.70
421021.2800	60	17.5	473	16.30
421021.2900	65	18	522	20.30
421021.3000	70	19.5	570	30.20
421021.3100	75	20.5	608	42.90
421021.3200	80	21.5	644	65.80
421021.3300	85	22.5	686	71.70
421021.3400	90	24.5	738	96.70
421021.3500	95	24.5	738	120.80
421021.3600	100	28	855	136.70
421021.3700	105	28	855	170.00
421021.3800	110	30	1100	188.30
421021.3900	115	30	1100	213.30
421021.4000	120	30	1100	236.70

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

Order ID	Wrench size mm	Head mm	Length mm	Price EUR
421165.0100	5.5 x 7	3.7	125	1.90
421165.0200	6 x 7	3.7	125	1.40
421165.0300	7 x 8	4	142	1.80
421165.0400	7 x 9	4	142	1.80
421165.0500	8 x 9	4	142	1.80
421165.0600	8 x 10	4.5	142	1.90
421165.0700	10 x 11	5	157	2.10
421165.0800	10 x 13	5.5	170	2.40
421165.0900	11 x 13	5.5	175	2.40
421165.1000	11 x 14	5.5	175	3.30
421165.1100	12 x 13	5.5	175	2.30
421165.1200	12 x 14	5.5	175	2.40
421165.1300	13 x 14	6	188	2.80
421165.1400	13 x 15	6	188	2.80
421165.1500	13 x 17	6.5	205	3.30
421165.1600	14 x 15	6	188	2.80
421165.1700	14 x 17	6.5	205	3.40
421165.1800	16 x 17	6.5	205	3.60
421165.1900	16 x 18	6.5	205	3.90
421165.2000	17 x 19	7	222	4.30
421165.2100	17 x 22	8	222	6.20
421165.2200	18 x 19	7.5	222	4.30
421165.2300	19 x 22	8	233	4.80
421165.2400	19 x 24	9	249	5.60
421165.2500	20 x 22	8	233	4.90
421165.2600	21 x 23	8	249	5.60
421165.2700	22 x 24	9	249	5.90
421165.2800	22 x 27	9	266	8.30
421165.2900	24 x 26	9	266	6.60
421165.3000	24 x 27	9	266	6.60
421165.3100	24 x 30	10	282	8.60
421165.3200	25 x 28	9	282	7.70
421165.3300	27 x 30	10	282	9.20
421165.3400	27 x 32	10	305	9.60
421165.3500	30 x 32	10	305	9.60
421165.3600	32 x 36	10	330	14.80
421165.3700	36 x 41	11	360	18.20
421165.3800	41 x 46	11	405	28.40
421165.3900	46 x 50	11	455	40.80

NERIOX

**421175 Double open-end wrench set NERIOX**

Sized to DIN 3110/ISO 10102, in chrome-vanadium steel, chrome-plated.

Consisting of:

421175 Double open-end wrench NERIOX

Order ID	Number of wrenches	Size mm	containing mm	Price EUR
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	23.10
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	40.30
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	43.70

421195 Double open-end wrench NERIOX

Sized to DIN 895/ISO 3318, forged from special steel, tempered, **phosphated**. Tensile strength 140–170 kg/mm².

NERIOX



Order ID	Wrench size mm	Head mm	Length mm	Price EUR
421195.0100	6 x 7	3.5	95	0.80
421195.0200	7 x 8	4	110	0.80
421195.0300	8 x 9	4	110	0.80
421195.0400	8 x 10	4.5	115	0.80
421195.0500	10 x 11	5.5	125	0.90
421195.0600	10 x 13	5.5	130	0.90
421195.0700	12 x 13	6	140	0.90
421195.0800	13 x 17	7	155	1.00
421195.0900	14 x 17	7	160	1.00
421195.1000	17 x 19	7.5	170	1.30
421195.1100	17 x 22	8.5	190	1.50
421195.1200	19 x 22	8.5	195	1.60
421195.1300	19 x 24	9.5	215	2.30
421195.1400	20 x 22	8.5	195	2.10
421195.1500	22 x 24	9.5	220	3.10
421195.1600	22 x 27	10.5	235	3.10
421195.1700	24 x 27	10.5	245	3.10
421195.1800	30 x 32	12.5	275	4.10
421195.1900	30 x 36	13.5	305	5.30
421195.2000	32 x 36	13.5	305	5.50
421195.2100	36 x 41	15	345	8.90
421195.2200	41 x 46	16	390	9.80
421195.2300	46 x 50	17	420	13.90
421195.2400	50 x 55	18	440	18.60
421195.2500	55 x 60	19	480	26.80

421355 Combination wrench NERIOX

Sized to DIN 3113A/ISO 3318, chrome-plated, ring wrench offset by 15°.

NERIOX

**Is part of:**

421365 Combination wrench set NERIOX

Order ID	Wrench size mm	Head mm	Ring height mm	Length mm	Price EUR
421355.0100	6	3.5	5.4	100	2.00
421355.0200	7	3.5	5.4	110	2.10
421355.0300	8	4	6.0	120	2.30
421355.0400	9	4	6.4	130	2.60
421355.0500	10	4.5	7.9	140	2.70
421355.0600	11	5	8.4	150	2.80
421355.0700	12	5	8.4	160	3.20
421355.0800	13	5.9	9.4	170	3.30
421355.0900	14	5.9	9.9	180	3.80
421355.1000	15	5.9	9.9	190	4.00
421355.1100	16	6.3	10.9	200	4.30
421355.1200	17	6.5	10.9	210	4.50
421355.1300	18	6.7	11.9	220	4.80
421355.1400	19	7.2	11.9	230	5.00
421355.1500	20	7.7	12.4	240	5.50
421355.1600	21	8.2	12.9	250	5.90
421355.1700	22	8.7	12.9	260	6.70
421355.1800	24	8.9	13.9	280	8.90
421355.1900	27	9.7	15.4	310	10.90
421355.2000	30	10.2	16.4	340	12.30
421355.2100	32	10.2	16.9	360	13.30
421355.2200	36	14	21.8	400	21.10
421355.2300	41	15	22.8	442	30.00
421355.2400	46	16	25.8	492	36.10
421355.2500	50	17	26.8	531	50.00

421365 Combination wrench set NERIOX

Sized to DIN 3113A/ISO 3318, chrome-plated, ring wrench offset by 15°.

NERIOX

Consisting of:

421355 Combination wrench NERIOX

Order ID	Number of wrenches	Size mm	containing mm	Price EUR
421365.0100	8	8...19	8 9 10 11 13 14 17 19	27.30
421365.0200	12	6...22	6 7 8 9 10 11 12 13 14 17 19 22	41.30



NERIOX

**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

Order ID	Wrench size mm	Head mm	Ring height mm	Length mm	Price EUR
421435.0100	6	3.5	6	110	2.70
421435.0200	7	3.5	6.5	120	2.80
421435.0300	8	4	7	135	3.00
421435.0400	9	4	7	140	3.40
421435.0500	10	4.5	8	150	3.60
421435.0600	11	4.5	8	160	3.80
421435.0700	12	5	9	170	4.00
421435.0800	13	5	10	175	4.20
421435.0900	14	5	10	185	4.30
421435.1000	15	5.5	10.5	195	4.80
421435.1100	16	5.5	11	215	4.90
421435.1200	17	6	11.5	225	5.10
421435.1300	18	6	11.5	240	5.60
421435.1400	19	6.5	12	250	6.30
421435.1500	20	7	12.5	275	6.90
421435.1600	21	7	13	285	7.50
421435.1700	22	7	13.5	295	8.40
421435.1800	23	7	13.5	295	9.50
421435.1900	24	9.5	15.5	330	10.00
421435.2000	25	10	16	360	10.60
421435.2100	26	10	16	360	11.80
421435.2200	27	10	16.5	360	12.40
421435.2300	28	10	16.5	360	13.20
421435.2400	30	11.5	16.5	395	16.50
421435.2500	32	12	19.5	435	16.80
421435.2600	36	13.5	22.5	453	37.20
421435.2700	41	14.8	22.5	521	47.00

NERIOX

**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	Price EUR
421445.0100	12	6...22	6 7 8 9 10 11 12 13 14 17 19 22	47.30
421445.0200	17	6...22	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	74.80
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	179.60

NERIOX

**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	Price EUR
421865.0100	6 x 7	6	168	3.00
421865.0200	8 x 9	7	183	3.40
421865.0300	10 x 11	8	197	3.80
421865.0400	10 x 13	9.1	216	4.30
421865.0500	12 x 13	9.1	216	4.20
421865.0600	13 x 14	9.1	216	4.70
421865.0700	13 x 17	10.7	263	5.20
421865.0800	14 x 15	10.7	239	4.70
421865.0900	16 x 17	10.7	263	5.20
421865.1000	17 x 19	11.3	290	6.30
421865.1100	18 x 19	11.3	290	6.30
421865.1200	19 x 22	12.4	318	7.40
421865.1300	19 x 24	13	325	7.40
421865.1400	20 x 22	12.4	318	7.40
421865.1500	21 x 23	13	325	7.40
421865.1600	22 x 24	13	325	7.80
421865.1700	24 x 26	14	337	9.20
421865.1800	24 x 27	14	337	9.20
421865.1900	24 x 30	15.2	346	10.40
421865.2000	25 x 28	14.5	346	11.40
421865.2100	27 x 30	15.5	346	12.70
421865.2200	30 x 32	16.5	360	12.70
421865.2300	32 x 36	17.5	410	15.00
421865.2400	36 x 41	19	440	18.50
421865.2500	41 x 46	21	475	49.80

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	Price EUR
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	65.20

NERIOX



NERIOX

**424025 Angled hex key NERIOX**

Short version, ISO 2936, chromium-molybdenum-vanadium steel, manganese phosphated, deburred ends, for hexagon socket screws.

Suitable for:

424395 Angled hex key set NERIOX

Order ID	Wrench size mm	Side length mm	Price EUR
424025.0100	1.5	45 x 14	0.20
424025.0200	2	50 x 16	0.20
424025.0300	2.5	56 x 18	0.20
424025.0400	3	63 x 20	0.20
424025.0500	4	70 x 25	0.30
424025.0550	5	80 x 28	0.40
424025.0600	6	90 x 32	0.60
424025.0700	8	100 x 36	1.00
424025.0800	10	112 x 40	1.50

NERIOX

**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	Price EUR
424125.0100	1.5	90 x 14	0.60
424125.0200	2	100 x 16	0.70
424125.0300	2.5	112 x 18	0.90
424125.0400	3	126 x 20	0.90
424125.0500	4	140 x 25	1.10
424125.0600	5	160 x 28	1.30
424125.0700	6	180 x 32	1.70
424125.0800	8	200 x 36	2.20
424125.0900	10	224 x 40	3.30

NERIOX

**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.

Suitable for:

424405 Angled hex key set NERIOX

Order ID	Wrench size mm	Side length mm	Price EUR
424135.0100	1.5	45 x 14	0.60
424135.0200	2	50 x 16	0.60
424135.0300	2.5	56 x 18	0.70
424135.0400	3	63 x 20	0.70
424135.0500	4	70 x 25	0.80
424135.0600	5	80 x 28	1.00
424135.0700	6	90 x 32	1.10
424135.0800	8	100 x 36	1.80
424135.0900	10	112 x 40	2.40

424185 Angled hex key NERIOX

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.

Suitable for:

424405 Angled hex key set NERIOX

Order ID	Wrench size mm	Side length mm	Price EUR
424185.0100	1.5	90 x 14	0.80
424185.0200	2	100 x 16	0.80
424185.0300	2.5	112 x 18	1.00
424185.0400	3	126 x 20	1.10
424185.0500	4	140 x 25	1.20
424185.0600	5	160 x 28	1.50
424185.0700	6	180 x 32	1.90
424185.0800	8	200 x 36	2.40
424185.0900	10	224 x 40	3.80

**424395 Angled hex key set NERIOX**

NERIOX



ISO 2936, chromium-molybdenum-vanadium steel, manganese phosphated, ends deburred, for hexagon socket screws, in plastic holder.

Appropriate spare parts:

424025 Angled hex key NERIOX

Order ID	Size	Version	Number of wrenches	with wrenches mm	Price EUR
424395.0100	1.5...10	Short	9	1.5 2 2.5 3 4 5 6 8 10	6.20
424395.0200	1.5...10	Long	9	1.5 2 2.5 3 4 5 6 8 10	11.20

**424405 Angled hex key set NERIOX**

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.

Appropriate spare parts:

424135 Angled hex key NERIOX

424185 Angled hex key NERIOX

Order ID	Size	Version	Number of wrenches	with wrenches mm	Price EUR
424405.0100	1.5...10	Short	9	1.5 2 2.5 3 4 5 6 8 10	8.70
424405.0200	1.5...10	Long	9	1.5 2 2.5 3 4 5 6 8 10	16.10

**425135 Angled head key for TORX® screws NERIOX**

NERIOX



Long version, chromium-molybdenum-vanadium steel, manganese phosphated, ends deburred, for TORX® screws.

Suitable for:

425185 Angled hex key set for TORX® screws NERIOX

Order ID	Size	Side length mm	Price EUR
425135.0100	T 9	80 x 16	1.40
425135.0200	T 10	86 x 17	1.40
425135.0300	T 15	90 x 18	1.40
425135.0400	T 20	95 x 19	1.40
425135.0500	T 25	100 x 20	1.40
425135.0600	T 27	105 x 21	1.40
425135.0700	T 30	114 x 24	1.50
425135.0800	T 40	124 x 26	1.90



NERIOX

**425185 Angled hex key set for TORX® screws NERIOX**

Chromium-molybdenum-vanadium steel, manganese phosphated, ends deburred, for TORX® screws, in plastic holder.

Appropriate spare parts:

425135 Angled head key for TORX® screws NERIOX

Order ID	Size	Number of wrenches	with spanners				Price EUR
425185.0100	T10...T45	8	T10	T15	T20	T25	15.00
			T27	T30	T40	T45	

426305 Hexagon socket wrench set NERIOX

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
Bit for Torx® screws		10 15 20 25 27 30 40
Dimensions WxDxH	mm	260 x 160 x 60
Price EUR		42.90



426310 Hexagon socket wrench set NERIOX

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 / 150
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
Price EUR		68.80



427415 Hexagon socket wrench set NERIOX

NERIOX



15-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	427415.0100	
Reversible ratchet	in	3/8
Extensions	mm	75 / 250
Universal joint	in	3/8
Hex 3/8"		8 10 11 12 13 14 15 16 17 18 19
Dimensions WxDxH	mm	300 x 190 x 60
Price EUR		50.00



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
Price EUR	74.60	

NERIOX



427435 Hexagon socket wrench set NERIOX



54-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	427435.0100	
Reversible ratchet	in	3/8
Spin type speeder	in	1/4
Sliding tee bar	mm	165
Universal joint	in	3/8
Bit holder with retaining spring		1/4
Hex 3/8"		6 7 8 9 10 11 12 13 14 17 19 21 22
Hex 1/4"		4 4.5 5 5.5 6 7 8 9 10 11 12 13
Spark plug wrench 3/8"	mm	16 / 21
Allen-Bit	mm	4 5 6 8
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	360 x 260 x 75
Price EUR	84.60	

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
Price EUR	96.30	

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
Price EUR		122.50

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
Price EUR		131.70

NERIOX



547290 ToolCase empty NERIOX

Plastic tool case with foam protection in the cover and metal fasteners (without tool foam).

Order ID	Dimensions WxDxH mm	Price EUR
547290.0100	260 x 160 x 60	15.50
547290.0200	300 x 190 x 60	20.20
547290.0300	360 x 260 x 75	30.75
547290.0400	400 x 290 x 80	35.80
547290.0500	460 x 350 x 90	45.50

NERIOX



547295 Metal Fastener NERIOX

Order ID	547295.0100
Price EUR	4.75

NERIOX



NERIOX

**428590 Set of hex bits NERIOX**

1/2"



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 8 10 12 14 17 19
Dimensions WxDxH	mm	260 x 160 x 60
Price EUR	35.30	

NERIOX

**428595 Set of bits for TORX® screws NERIOX**

1/2"



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 40 45 50 55 60
Dimensions WxDxH	mm	260 x 160 x 60
Price EUR	33.50	

426350 Hex socket NERIOX

NERIOX



DIN 3124/ISO 2725-1, chrome-vanadium steel, chrome-plated, knurled, length 25 mm.

Order ID	Wrench size mm	Price EUR
426350.0100	3.2	1.30
426350.0200	4	1.20
426350.0300	4.5	1.20
426350.0400	5	1.20
426350.0500	5.5	1.20
426350.0600	6	1.20
426350.0700	7	1.20
426350.0800	8	1.20
426350.0900	9	1.20
426350.1000	10	1.20
426350.1100	11	1.20
426350.1200	12	1.30
426350.1300	13	1.30

**426355 Hex socket NERIOX**

NERIOX

DIN 3124/ISO 2725-1, chrome-vanadium steel, chrome-plated, knurled, **long version**, length 50 mm.

Order ID	Wrench size mm	Price EUR
426355.0100	8	2.10
426355.0200	10	2.20
426355.0300	11	2.30
426355.0400	13	2.40

**426475 Socket wrench bit for TORX® screws NERIOX**

NERIOX



For external Torx® screws, chrome-vanadium steel, chrome-plated, knurled, length 25 mm.

Order ID	For outside Torx®	Price EUR
426475.0100	E4	2.20
426475.0200	E5	2.20
426475.0300	E6	2.20
426475.0400	E7	2.20
426475.0500	E8	2.20
426475.0600	E10	2.20
426475.0700	E11	2.20

**426485 Hexagon insert bit NERIOX**

NERIOX



for hexagon socket screws, chrome-vanadium steel, chrome-plated.

Order ID	Wrench size mm	Overall length mm	Price EUR
426485.0100	3	32	2.30
426485.0200	3	55	2.30
426485.0300	4	32	2.30
426485.0400	4	55	2.30
426485.0500	5	32	2.70
426485.0600	5	55	2.70
426485.0700	6	32	2.30
426485.0800	6	55	3.50
426485.0900	7	32	2.60
426485.1000	8	32	2.60



NERIOX



426505 Bit for TORX® screws NERIOX



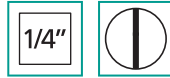
chrome-vanadium steel, chrome-plated, for internal Torx® screws, length 32 mm.

Order ID	for Torx®	Price EUR
426505.0100	T8	2.30
426505.0200	T9	2.30
426505.0300	T10	2.30
426505.0400	T15	2.30
426505.0500	T20	2.30
426505.0600	T25	2.30
426505.0700	T27	2.30
426505.0800	T30	2.30
426505.0900	T40	2.30
426505.1000	T45	2.70

NERIOX



426540 Slotted bit NERIOX



chrome-vanadium steel, chrome-plated, for slotted screws, length 32 mm.

Order ID	Width x thickness mm	Price EUR
426540.0100	4 x 0.8	2.30
426540.0200	5.5 x 1	2.30
426540.0300	6.5 x 1.2	2.30

NERIOX



426545 Phillips bit NERIOX



chrome-vanadium steel, chrome-plated, for Phillips Recess® screws, length 32 mm.

Order ID	Phillips	Price EUR
426545.0100	PH1	2.30
426545.0200	PH2	2.30
426545.0300	PH3	2.30

NERIOX



426550 Pozidriv bit NERIOX



chrome-vanadium steel, chrome-plated, for Pozidriv/Supadriv® screws, length 32 mm.

Order ID	Pozidriv No.	Price EUR
426550.0100	PZ1	2.30
426550.0200	PZ2	2.30
426550.0300	PZ3	2.30

NERIOX



426685 Reversible ratchet NERIOX



Chrome-vanadium steel, chrome-plated, 60 teeth, with ergonomic 2-comp. handle

Order ID	Length mm	Price EUR
426685.0100	137	21.20

NERIOX



426705 Sliding T-handle NERIOX



Chrome-vanadium steel, chrome-plated

Order ID	Length mm	Price EUR
426705.0100	115	5.10

426735 Spin type speeder NERIOX

NERIOX



1/4"

chrome-plated, with 2-comp. handle

Order ID	Shank length mm	Length mm	Price EUR
426735.0100	60	145	8.10

426825 Extension NERIOX

NERIOX



1/4"

chrome-vanadium steel, chrome-plated, knurled.

Order ID	Length mm	Price EUR
426825.0100	50	2.90
426825.0200	100	3.50
426825.0300	150	4.40

426890 Universal joint NERIOX

NERIOX



1/4"

DIN 3123/ISO 3316, chrome-vanadium steel, chrome-plated, spring-stiffened joint.

Order ID	Length mm	Price EUR
426890.0100	40	4.30

426895 Bit holder NERIOX

NERIOX



1/4"



1/4" C 6.3

1/4" square drive, chrome-vanadium steel, for holding bits with coupler hexagon 1/4" C 6.3.

Order ID	Hexagon socket in	Length mm	Price EUR
426895.0100	1/4"	25	1.70

437155 Universal holder NERIOX

NERIOX



1/4" E 6.3



1/4" C 6.3

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	Price EUR
437155.0100	1/4" C 6.3	10	60	2.90

NERIOX



427525 Hex socket NERIOX



chrome-vanadium steel, chrome-plated, knurled.

Order ID	Wrench size mm	Length mm	Price EUR
427525.0100	6	28	1.60
427525.0200	7	28	1.60
427525.0300	8	28	1.60
427525.0400	9	28	1.60
427525.0500	10	28	1.60
427525.0600	11	28	1.60
427525.0700	12	28	1.60
427525.0800	13	28	1.60
427525.0900	14	28	1.60
427525.1000	15	28	1.90
427525.1100	16	28	1.90
427525.1200	17	28	2.00
427525.1300	18	30	2.40
427525.1400	19	30	2.50
427525.1500	20	30	2.80
427525.1600	21	30	2.80
427525.1700	22	30	3.10

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	Price EUR
427565.0100	16	65	5.30
427565.0200	21	67	7.20

NERIOX



427675 Hex bit insert NERIOX



Chrome-vanadium steel, chrome-plated

Order ID	Wrench size mm	Length mm	Price EUR
427675.0100	3	48	2.50
427675.0200	4	48	2.50
427675.0300	5	48	2.50
427675.0400	6	48	2.50
427675.0500	7	48	2.60
427675.0600	8	48	2.60
427675.0700	10	48	2.90

NERIOX



427895 Reversible ratchet NERIOX



Chrome-vanadium steel, chrome-plated, 60 teeth, with ergonomic 2-comp. handle

Order ID	Length mm	Price EUR
427895.0100	197	25.00

NERIOX



427925 Sliding tee bar NERIOX



chrome-vanadium steel, chrome-plated.

Order ID	Length mm	Price EUR
427925.0100	165	6.20

428020 Extension NERIOX

NERIOX



3/8"

chrome-vanadium steel, chrome-plated, knurled.

Order ID	Length mm	Price EUR
428020.0100	75	2.80
428020.0200	150	4.10
428020.0300	250	6.00

428025 Socket adapter NERIOX

NERIOX

3/8"

Chrome-vanadium steel, chrome-plated, square socket and bit to DIN 3120.

Designs:**428025.0100** 1/4" max. load capacity 62 Nm**428025.0200** -

Order ID	External square (male)	Internal square (female)	Price EUR
428025.0100	1/4"	3/8"	3.30
428025.0200	1/2"	3/8"	3.00

**428030 Adapter and sliding tee NERIOX**

NERIOX

3/8"

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".

Designs:**428030.0100** 1/4" max. load capacity 62 Nm**428030.0200** -

Order ID	External square (male)	Internal square (female)	Hole Ø mm	Price EUR
428030.0100	1/4"	3/8"	8.7	3.50
428030.0200	1/2"	3/8"	16.8	5.00

**428035 Universal joint NERIOX**

NERIOX

3/8"

DIN 3123/ISO 3316, chrome-vanadium steel, chrome-plated, spring-stiffened joint.

Order ID	Length mm	Price EUR
428035.0100	55	7.30



NERIOX



429015 Hex socket NERIOX



DIN 3124/ISO 2725-1, chrome-vanadium steel, chrome-plated, knurled.

Order ID	Wrench size mm	Length mm	Price EUR
429015.0100	8	38	2.60
429015.0200	9	38	2.60
429015.0300	10	38	2.60
429015.0400	11	38	2.70
429015.0500	12	38	2.70
429015.0600	13	38	2.70
429015.0700	14	38	2.70
429015.0800	15	38	2.70
429015.0900	16	38	2.60
429015.1000	17	38	2.70
429015.1100	18	38	3.00
429015.1200	19	38	3.00
429015.1300	20	38	3.30
429015.1400	21	38	3.40
429015.1500	22	38	3.80
429015.1600	23	38	4.30
429015.1700	24	40	4.30
429015.1800	26	42	5.50
429015.1900	27	42	5.70
429015.2000	28	44	6.20
429015.2100	30	45	6.70
429015.2200	32	45	7.30
429015.2300	34	45	9.30

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	Price EUR
429035.0100	16	65	6.00
429035.0200	21	67	7.90

NERIOX



429055 Hex bit insert NERIOX



Chrome-vanadium steel, chrome-plated

Order ID	Wrench size mm	Length mm	Price EUR
429055.0100	4	55	4.20
429055.0200	5	55	4.20
429055.0300	6	55	4.20
429055.0400	7	55	4.20
429055.0500	8	55	4.20
429055.0600	10	55	4.20
429055.0700	12	55	4.30
429055.0800	14	55	4.90
429055.0900	17	55	6.10
429055.1000	19	55	6.70

NERIOX



429065 Bit insert for TORX® screws NERIOX



Chrome-vanadium steel, chrome-plated

Order ID	Size	Length mm	Price EUR
429065.0100	T20	55	4.70
429065.0200	T25	55	4.70
429065.0300	T27	55	4.70
429065.0400	T30	55	4.70
429065.0500	T40	55	4.70
429065.0600	T45	55	4.70
429065.0700	T50	55	4.70
429065.0800	T55	55	4.70
429065.0900	T60	55	4.90

429215 Universal driver socket NERIOX

NERIOX

1/4"

3/8"

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	Price EUR
429215.0100	6...14	53	9	1/4	9.30
429215.0200	9...21	65	9	3/8	13.00

**429465 Reversible ratchet NERIOX**

NERIOX

1/2"

Chrome-vanadium steel, chrome-plated, 60 teeth, with ergonomic 2-comp. handle

Order ID	Length mm	Price EUR
429465.0100	250	30.60

**429475 Sliding T-handle NERIOX**

NERIOX

1/2"

chrome-vanadium steel, chrome-plated.

Order ID	Length mm	Price EUR
429475.0100	300	12.80

**429580 Extension NERIOX**

NERIOX

1/2"

chrome-vanadium steel, chrome-plated, knurled.

Order ID	Length mm	Price EUR
429580.0100	75	4.60
429580.0200	125	5.80
429580.0300	250	8.20

**429615 Adapter NERIOX**

NERIOX

1/2"

Chrome-vanadium steel, chrome-plated, male and female square according to DIN 3120

Order ID	External square (male)	Internal square (female)	Price EUR
429615.0100	3/8"	1/2"	3.00
429615.0200	3/4"	1/2"	6.50

**429670 Universal joint NERIOX**

NERIOX

1/2"

chrome-vanadium steel, chrome-plated, spring-stiffened joint.

Order ID	Length mm	Price EUR
429670.0100	75	8.60



NERIOX



429925 Hexagon socket NERIOX



DIN 3124/ISO 2725-1, chrome-vanadium steel, chrome-plated, straight knurled.

Order ID	Wrench size mm	Length mm	Price EUR
429925.0100	22	50	14.80
429925.0200	24	51	14.80
429925.0300	27	52	15.70
429925.0400	30	54	16.70
429925.0500	32	56	17.70
429925.0600	34	56	22.80
429925.0700	36	58	24.50
429925.0800	41	64	27.40
429925.0900	46	68	30.00
429925.1000	50	72	32.60

NERIOX



430125 Reversible ratchet NERIOX



Chrome-vanadium steel, chrome-plated, 48 teeth, with lock pin, insert knurled handle.

Order ID	Length mm	Price EUR
430125.0100	495	80.40

NERIOX



430165 Sliding T-handle NERIOX



Chrome-vanadium steel, chrome-plated, with lock pin.

Order ID	Length mm	Price EUR
430165.0100	460	52.50

NERIOX



430195 Extension NERIOX



Chrome-vanadium steel, chrome-plated, with lock pin.

Order ID	Length mm	Price EUR
430195.0100	200	26.60
430195.0200	400	42.20

NERIOX



430245 Adapter NERIOX



Chrome-vanadium steel, chrome-plated.

Order ID	External square (male)	Internal square (female)	Price EUR
430245.0100	1/2"	3/4"	17.80

NERIOX



430250 Universal joint NERIOX



Chrome-vanadium steel, chrome-plated, knurled.

Order ID	Length mm	Price EUR
430250.0100	105	52.00

434363 Screwdriver slot-head NERIOX

NERIOX



Chromium-molybdenum-vanadium steel, chrome-plated satin, for slotted screws, with ergonomic 2-component power handle.

Order ID	Tip width mm	- thickn. mm	Blade length mm	Length mm	Price EUR	Order ID	Tip width mm	- thickn. mm	Blade length mm	Length mm	Price EUR
434363.0100	2.5	0.4	75	155	2.20	434363.0500	5.5	1.0	100	215	3.90
434363.0200	3	0.5	80	160	2.30	434363.0600	6.5	1.2	125	240	4.10
434363.0300	3.5	0.6	100	200	2.40	434363.0700	8.0	1.2	150	270	5.20
434363.0400	4	0.8	100	200	2.40	434363.0800	10.0	1.6	175	295	7.00

434362 Screwdriver slot-head Knirps NERIOX

NERIOX



Chromium-molybdenum-vanadium steel, **short blade with short handle**, chrome-plated satin, for slot-head screws, with 2-component handle.

Order ID	Tip width mm	- thickn. mm	Blade length mm	Length mm	Price EUR	Order ID	Tip width mm	- thickn. mm	Blade length mm	Length mm	Price EUR
434362.0100	4.0	0.8	30	88	3.30	434362.0300	6.5	1.2	30	88	3.30
434362.0200	5.5	1.0	30	88	3.30						

435078 Cross-head screwdriver NERIOX

NERIOX



For **Phillips screws**, chromium-molybdenum-vanadium steel, chromium-plated satin finish, with ergonomic two-part power handle.

Order ID	Size	Blade length mm	Length mm	Price EUR	Order ID	Size	Blade length mm	Length mm	Price EUR
435078.0100	PH 0	60	140	2.50	435078.0400	PH 3	150	270	5.80
435078.0200	PH 1	80	180	4.00	435078.0500	PH 4	200	320	7.70
435078.0300	PH 2	100	215	4.30					

435077 Cross-head screwdriver Knirps NERIOX

NERIOX



For **Phillips screws**, chromium-molybdenum-vanadium steel, **short blade with short handle**, chrome-plated satin, with 2-component handle.

Order ID	Size	Blade length mm	Length mm	Price EUR	Order ID	Size	Blade length mm	Length mm	Price EUR
435077.0100	PH 1	30	88	3.70	435077.0200	PH 2	30	88	3.70

435349 Cross-head screwdriver NERIOX

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	Price EUR	Order ID	Size	Blade length mm	Length mm	Price EUR
435349.0100	PZ 0	60	140	2.50	435349.0300	PZ 2	100	215	4.30
435349.0200	PZ 1	80	180	4.00	435349.0400	PZ 3	150	270	5.80

435347 Short cross-head screwdriver NERIOX

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	Price EUR	Order ID	Size	Blade length mm	Length mm	Price EUR
435347.0100	PZ 1	30	88	3.70	435347.0200	PZ 2	30	88	3.70

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	Price EUR
425276.0100	T 5	60	140	3.10
425276.0200	T 6	60	140	3.10
425276.0300	T 7	60	140	3.10
425276.0400	T 8	60	140	3.10
425276.0500	T 9	60	140	3.70
425276.0600	T 10	80	160	4.10
425276.0700	T 15	80	180	4.10
425276.0800	T 20	100	215	4.10
425276.0900	T 25	100	215	4.60
425276.1000	T 27	115	230	4.70
425276.1100	T 30	115	235	5.10
425276.1200	T 40	130	250	6.10

NERIOX

**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	Price EUR
434401.0100	5	3.5 4.0 5.5 6.5 8.0	19.70
434401.0200	8	2.5 3.0 3.5 4.0 5.5 6.5 8.0 10.0	31.80

NERIOX

**434407 Cross-head screwdriver set NERIOX**

For **Phillips screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

Appropriate spare parts:

435078 Cross-head screwdriver NERIOX

Order ID	Parts	Size	Price EUR
434407.0100	3	PH1 PH2 PH3	12.50
434407.0200	5	PH0 PH1 PH2 PH3 PH4	21.40

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	Price EUR
434416.0100	3	PZ1 PZ2 PZ3	13.30

NERIOX

**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	Price EUR
425431.0100	7	T6 T7 T8 T9 T10 T15 T20	22.50
425431.0200	10	T6 T7 T8 T9 T10 T15 T20 T25 T27 T30	35.00

435418 Screwdriver sets NERIOX

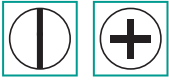
For **Phillips-, Pozidriv- and slot-head screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

Appropriate spare parts:

434363 Screwdriver slot-head NERIOX
435078 Cross-head screwdriver NERIOX
435349 Cross-head screwdriver NERIOX

Order ID	Parts	Slot	Phillips	Pozidriv	Price EUR
435418.0100	8	3.5 5.5 6.5 8	PH1 PH2	PZ1 PZ2	30.70

NERIOX

**435413 Screwdriver set NERIOX**

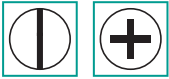
For **Phillips- and slot-head screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

Appropriate spare parts:

434363 Screwdriver slot-head NERIOX
435078 Cross-head screwdriver NERIOX

Order ID	Parts	Slot	Phillips	Price EUR
435413.0100	6	3.5 5.5 6.5 8	PH1 PH2	23.50

NERIOX

**435414 Screwdriver set NERIOX**

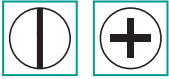
For **Pozidriv- and slot-head screws**, chromium-molybdenum-vanadium steel, chrome-plated satin, with ergonomic 2-component power handle.

Appropriate spare parts:

434363 Screwdriver slot-head NERIOX
435349 Cross-head screwdriver NERIOX

Order ID	Parts	Slot	Pozidriv	Price EUR
435414.0100	6	3.5 5.5 6.5 8	PZ1 PZ2	23.50

NERIOX

**435419 Screwdriver set Knirps NERIOX**

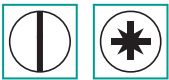
For **slot-head and Phillips screws**, chromium-molybdenum-vanadium steel, **short blade with short handle**, chrome-plated satin, with 2-component handle.

Appropriate spare parts:

434362 Screwdriver slot-head Knirps NERIOX
435077 Cross-head screwdriver Knirps NERIOX

Order ID	Parts	Slot	Phillips	Price EUR
435419.0100	5	4 5.5 6.5	PH1 PH2	16.50

NERIOX

**435420 Screwdriver set Knirps NERIOX**

For **Phillips and Pozidriv screws**, chromium-molybdenum-vanadium steel, **short blade with short handle**, chrome-plated satin, with 2-component handle.

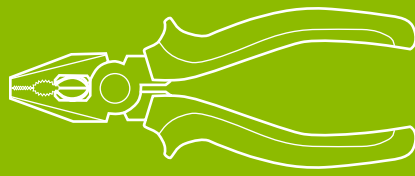
Appropriate spare parts:

434362 Screwdriver slot-head Knirps NERIOX
435347 Short cross-head screwdriver NERIOX

Order ID	Parts	Slot	Pozidriv	Price EUR
435420.0100	5	4 5.5 6.5	PZ1 PZ2	16.50

NERIOX





108

Gripping and cutting tools



S. 110

Pliers



S. 114

VDE Pliers





S. 116

Gripping pliers



S. 117

Tweezers,
Precision tweezers ESD

NERIOX

**445046 Circlip pliers for internal rings NERIOX**

Tool steel, polished head, **straight shape**, drop-forged with cylindrical precision tips for applying/removing circlips on the inside of bore holes, plastic-coated handles.

Order ID	Type	for circlips mm	Length mm	Price EUR
445046.0100	J0	8...13	140	9.80
445046.0200	J1	12...25	140	9.80
445046.0300	J2	19...60	180	10.10
445046.0400	J3	40...100	240	11.50
445046.0500	J4	85...140	310	13.10

NERIOX

**445066 Circlip pliers for internal rings NERIOX**

Tool steel, polished head, **angled shape**, drop-forged with cylindrical precision tips for applying/removing circlips on the inside of bore holes, plastic-coated handles.

Order ID	Type	for circlips mm	Length mm	Price EUR
445066.0100	J01	8...13	140	10.80
445066.0200	J11	12...25	140	10.80
445066.0300	J21	19...60	180	11.20
445066.0400	J31	40...100	240	12.70
445066.0500	J41	85...140	310	14.40

NERIOX

**445124 Circlip pliers for external rings NERIOX**

Tool steel, polished head, **straight shape**, drop-forged with cylindrical precision tips for applying/removing circlips on the outside of shafts or axles, plastic-coated handles.

Order ID	Type	for circlips mm	Length mm	Price EUR
445124.0100	A0	3...10	140	10.50
445124.0200	A1	10...25	140	10.50
445124.0300	A2	19...60	180	10.90
445124.0400	A3	40...100	240	12.40
445124.0500	A4	85...140	310	14.10

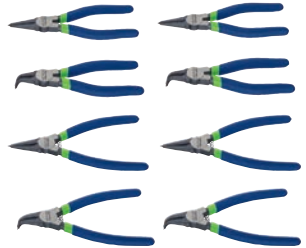
NERIOX

**445144 Circlip pliers for external rings NERIOX**

Tool steel, polished head, **angled shape**, drop-forged with cylindrical precision tips for applying/removing circlips on the outside of shafts or axles, plastic-coated handles.

Order ID	Type	for circlips mm	Length mm	Price EUR
445144.0100	A01	3...10	140	11.70
445144.0200	A11	10...25	140	11.70
445144.0300	A21	19...60	180	12.10
445144.0400	A31	40...100	240	13.70
445144.0500	A41	85...140	310	15.50

NERIOX

**445175 Circlip pliers set NERIOX**

8-piece, made of tool steel, polished heads, in box.

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	Price EUR
445175.0100	8	91.60

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	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
441723.0100	140	19	2.2	1.6	1.2	11.40
441723.0200	160	21	2.5	1.8	1.4	12.30

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	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
441727.0100	160	21	2.5	1.8	1.4	9.80

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.

Order ID	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
441724.0100	160	21	3.0	2.2	1.8	15.50
441724.0200	180	23	3.5	2.5	2.0	16.80
441724.0300	200	25	3.8	2.7	2.3	18.00

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.

Order ID	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
441726.0100	160	21	3.0	2.2	1.8	12.90

NERIOX



NERIOX

**440063 Combination pliers NERIOX**

Tool steel, polished head, extra-long cutting edge for flat and round cables, with ergonomic two-component grip sleeves.

Order ID	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
440063.0100	160	35	2.5	1.8	1.4	10.40
440063.0200	180	37	2.8	2.0	1.6	11.00
440063.0300	200	41	3.1	2.2	1.8	11.80

NERIOX

**440064 Combination pliers NERIOX**

Tool steel, polished head, extra-long cutting edge for flat and round cables, plastic-coated handles.

Order ID	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
440064.0100	160	35	2.5	1.8	1.4	8.80
440064.0200	180	37	2.8	2.0	1.6	9.20

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	Price EUR
440657.0100	160	50	13.00

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	Price EUR
440335.0100	160	50	10.90

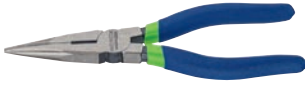
NERIOX

**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	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
440243.0100	160	59	2.2	1.6	1.2	11.00
440243.0200	200	84	2.5	1.8	1.4	13.10

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	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
440244.0100	160	59	2.2	1.6	1.2	9.80
440244.0200	200	84	2.5	1.8	1.4	11.60

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	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
440331.0100	160	56	2.2	1.6	1.2	14.60
440331.0200	200	79	2.5	1.8	1.4	16.10

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	Length mm	Jaw length mm	for medium-hard wire mm	for hard wire mm	for piano wire mm	Price EUR
440332.0100	160	56	2.2	1.6	1.2	12.40

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	Price EUR
443173.0100	250	50.8	50	11.70
443173.0200	300	63.5	63	15.60

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	Price EUR
443185.0100	240	36	32	7.90

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	Price EUR
440085.0100	4	51.20

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	Price EUR
440090.0100	4	37.20

NERIOX



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	Length	Jaw length		for medium-hard wire	for hard wire	for piano wire	Price EUR
	mm	mm	mm	mm	mm	mm	
441771.0100	140	19		2.2	1.6	1.2	14.75
441771.0200	160	21		2.5	1.8	1.4	15.83

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	Length	Jaw length		for medium-hard wire	for hard wire	for piano wire	Price EUR
	mm	mm	mm	mm	mm	mm	
441772.0100	160	21		3.0	2.2	1.8	19.17
441772.0200	200	25		3.8	2.7	2.3	20.83

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	Length	Jaw length		for medium-hard wire	for hard wire	for piano wire	Price EUR
	mm	mm	mm	mm	mm	mm	
440131.0100	160	35		2.5	1.8	1.4	13.33
440131.0200	180	37		2.8	2.0	1.6	14.00
440131.0300	200	41		3.1	2.2	1.8	15.83

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	Length	Jaw length		for medium-hard wire	for hard wire	for piano wire	Price EUR
	mm	mm	mm	mm	mm	mm	
440281.0100	160	59		2.2	1.6	1.2	14.50
440281.0200	200	84		2.5	1.8	1.4	15.92

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	Length	Jaw length		for medium-hard wire	for hard wire	for piano wire	Price EUR
	mm	mm	mm	mm	mm	mm	
440361.0100	160	56		2.2	1.6	1.2	15.67
440361.0200	200	79		2.5	1.8	1.4	17.58

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	for cable Ø	for strands and conductors	Price EUR
	mm	mm	mm ²	
449332.0100	160	5	10	16.42

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	Price EUR
441406.0100	250	50.8	50	18.00

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	Price EUR
440095.0100	3	42.80

NERIOX



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	Price EUR
444026.0100	187	35	10.60
444026.0200	229	40	11.30

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	Price EUR
444106.0100	189	38	10.50
444106.0200	228	48	11.50

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	Price EUR
444156.0100	171	45	42	8.30

NERIOX

**444316 Gripping pliers NERIOX**

Chrome molybdenum 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	Price EUR
444316.0100	178	37	37	13.50
444316.0200	288	80	70	19.10

NERIOX

**444317 Gripping pliers NERIOX**

Chrome molybdenum 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	Price EUR
444317.0100	171	37	40	13.60
444317.0200	278	80	80	19.50

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	Price EUR
444371.0100	265	54	40	17.00

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	Price EUR
444372.0100	275	72	45	17.00

448625 Tweezers NERIOX

Special stainless steel, **fine tips with corrugated gripping faces**, inexpensive workshop design.

Order ID	Length mm	Price EUR
448625.0100	115	5.00

NERIOX

**448655 Tweezers NERIOX**

Special stainless steel, **half-round, corrugated tips**, inexpensive workshop design.

Order ID	Length mm	Price EUR
448655.0100	130	4.10
448655.0200	155	5.30
448655.0300	200	8.40

NERIOX

**448665 Tweezers NERIOX**

Special stainless steel, **half-round, corrugated tips, PVC-coated** up to the tip, inexpensive workshop design.

Order ID	Length mm	Price EUR
448665.0100	145	9.60

NERIOX

**448695 Tweezers NERIOX**

Special stainless steel, with centring pin, angled tips, corrugated gripping faces, inexpensive workshop design.

Order ID	Length mm	Price EUR
448695.0100	115	5.00
448695.0200	150	5.80

NERIOX

**448715 Tweezers NERIOX**

Special stainless steel, bent tips, PVC-coated up to the tip, inexpensive workshop design.

Order ID	Length mm	Price EUR
448715.0100	150	10.80

NERIOX

**448725 Tweezer set NERIOX**

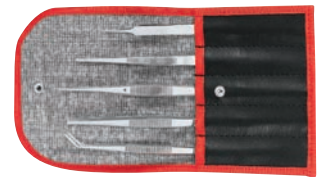
5-piece, special stainless steel, inexpensive workshop design, in plastic pocket.

Contents:**448725.0100**

- 1 general-purpose tweezers 150 mm, straight, half-round tips, coarse corrugation on gripping faces
- 1 general-purpose tweezers 145 mm, straight, half-round tips, fine corrugation on gripping faces
- 1 general-purpose tweezers 155 mm, with centring pin, straight, fine tips, fine corrugation on gripping faces
- 1 general-purpose tweezers 155 mm, angled, fine tips, fine corrugation on gripping faces
- 1 precision tweezers 115 mm, straight, needle tips, smooth gripping faces

Order ID	Tweezers	Price EUR
448725.0100	5	34.00

NERIOX



NERIOX

**448735 Precision tweezers NERIOX**

Special stainless steel, smooth gripping faces.

Designs:

- 448735.0200 3-SS** Fine tips, for very fine assembly work
448735.0300 AA-SS Strong tips, for general assembly work
448735.0400 RR-SS Very strong tips, for demanding work

Order ID	Type	Length mm	Price EUR
448735.0200	3-SS	115	7.30
448735.0300	AA-SS	125	6.50
448735.0400	RR-SS	140	8.40

NERIOX

**448742 Precision tweezers NERIOX**

Special stainless steel, antimagnetic, smooth gripping faces.

Designs:

- 448742.0100 00-SA** Fine tips, for very fine assembly work

Order ID	Type	Length mm	Price EUR
448742.0100	00-SA	120	7.30

NERIOX

**448747 Precision tweezers NERIOX ESD**

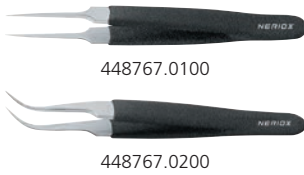
Special stainless steel, antimagnetic, with **ESD coating**, dissipative, smooth gripping faces.

Designs:

- 448747.0100 00-SA** Fine tips, for very fine assembly work
448747.0200 AA-SA Strong tips, for general assembly work
448747.0300 RR-SA Very strong tips, for demanding work

Order ID	Type	Length mm	Price EUR
448747.0100	00-SA	120	9.50
448747.0200	AA-SA	127	9.50
448747.0300	RR-SA	140	9.90

NERIOX

**448767 Precision tweezers NERIOX ESD**

Special stainless steel, antimagnetic, with **ESD coating**, dissipative.

Designs:

- 448767.0100 5-SA** Straight, very fine tips
448767.0200 7-SA Curved, very fine tips

Order ID	Type	Length mm	Price EUR
448767.0100	5-SA	115	9.50
448767.0200	7-SA	120	9.90

448775 Cross jaw tweezers NERIOX

Special stainless steel, flat, trapezoidal tip, corrugated gripping faces.

Order ID	Length mm	Price EUR
448775.0100	160	14.50

NERIOX

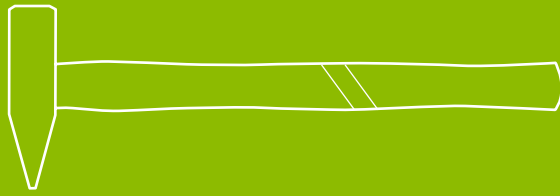
**446465 Fitting pliers NERIOX**

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	Price EUR
446465.0100	160	75	11.50

NERIOX





120

Hand, punch and assembly tools



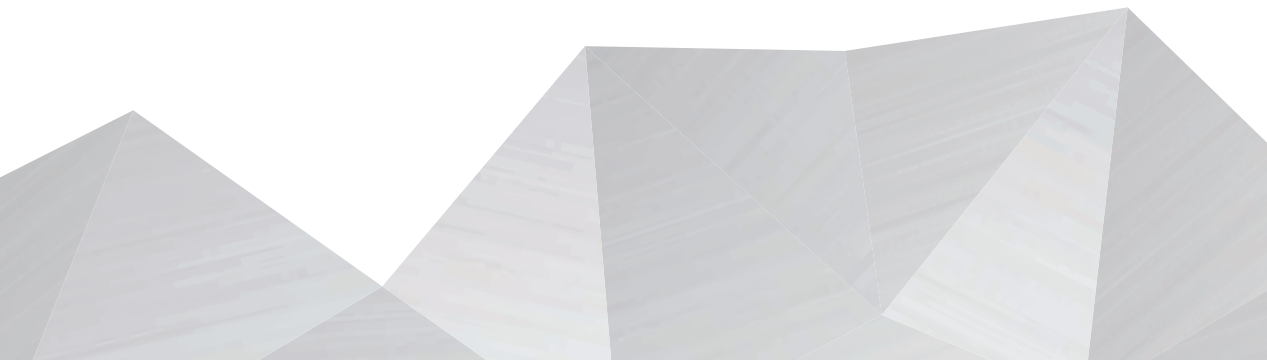
S. 122

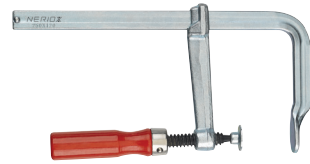
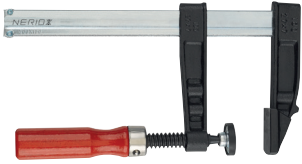
Hammers



S. 123

Cutters and replacement blades





S. 125

Screw clamps



S. 126

Punching tools



S. 129

Safety washing containers,
sealing tapes, batteries

NERIOX

**452021 Cross pein hammer NERIOX**

DIN 1041, GS-tested, painted head, face and pein fine-ground, with cambered hickory handle, FSC-certified.

Order ID	Weight g	Price EUR
452021.0100	100	3.80
452021.0200	200	4.30
452021.0300	300	4.80
452021.0400	400	5.10
452021.0500	500	5.30
452021.0600	600	6.30
452021.0700	800	7.10
452021.0800	1000	7.80

NERIOX

**452121 Club hammer NERIOX**

DIN 6475, with cambered handle.

Order ID	Weight g	Price EUR
452121.0100	1000	8.30
452121.0200	1500	9.80
452121.0300	2000	11.10

457210 Universal knife TAJIMA

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	Price EUR
457210.0100	18	155	2.83

NERIOX

**457225 Universal knife TAJIMA**

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 4 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	Price EUR
457225.0100	9	140	2.33
457225.0200	18	165	3.67

NERIOX



457225.0100



457225.0200

457240 Universal knife TAJIMA

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	Price EUR
457240.0100	9	145	1.67
457240.0200	18	175	2.67

NERIOX



457240.0100



457240.0200

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	Price EUR
457245.0100	145	3.50

NERIOX

**457195 Replacement blades NERIOX**

Blades made of SK5 steel, **pack of 10 blades**.

Usable with:

457210 Universal knife TAJIMA

457225 Universal knife TAJIMA

457240 Universal knife TAJIMA

457245 Safety knife NERIOX

Order ID	Blade width mm	Price EUR
457195.0100	9	1.67
457195.0200	18	2.33
457195.0300	19	2.00

NERIOX



9 mm



18 mm



19 mm

457250 Universal scraper NERIOX

Plastic housing and ergonomic two-component handle, supplied with 1 blade.

Order ID	Length mm	Blade width mm	Price EUR
457250.0100	100	38	2.08

NERIOX



NERIOX

**457495 Scalpel NERIOX**

Scoring and cutting knife, for fine work, stainless, with 1 blade type 10.

Appropriate accessories:

457505 Scalpel blades NERIOX
 457510 Scalpel blade MARTOR

Order ID	Length mm	Price EUR
457495.0100	125	4.30

NERIOX



457505.0100



457505.0200



457505.0300



457505.0400

457505 Scalpel blades NERIOX

Packs of 10 blades.

Usable with:

457495 Scalpel NERIOX

Order ID	Type	Price EUR
457505.0100	10	5.80
457505.0200	11	5.80
457505.0300	12	5.80
457505.0400	15	5.80

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	Price EUR
419524.0100	120	50	15 x 5	0.56	4.80
419524.0200	160	80	25 x 6	0.76	7.40
419524.0300	200	100	27 x 7	1.38	11.30
419524.0400	250	120	30 x 8	1.62	15.10
419524.0500	300	100	27 x 7	1.36	14.60
419524.0600	300	140	32 x 10	2.3	20.30
419524.0700	400	120	30 x 8	2.85	19.80
419524.0800	400	175	32 x 10	2.87	23.20
419524.0900	500	120	35 x 11	3	24.20
419524.1000	500	175	32 x 10	3	25.30
419524.1100	600	120	35 x 11	3.28	26.30

NERIOX

**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	Price EUR
419538.0100	120	60	13.5 x 6.5	0.3	10.20
419538.0200	160	80	16 x 7.5	0.5	11.60
419538.0300	200	100	19.5 x 9.5	0.9	15.10
419538.0400	250	120	19.5 x 9.5	1.3	19.10
419538.0500	300	140	25 x 12	1.8	23.80
419538.0600	400	120	25 x 12	1.9	25.90

NERIOX



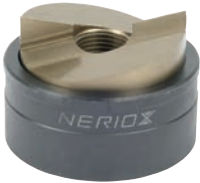
NERIOX

**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.

Order ID	Size	Ø mm	For steel sheet thickness mm	Thread	Price EUR
460730.0100	M16	16.2	2	9.5 mm	30.75
460730.0200	M20	20.4	2	9.5 mm	30.85
460730.0300	M25	25.4	2	9.5 mm	37.00
460730.0400	M32	32.5	3	19 mm	45.40
460730.0500	M40	40.5	3	19 mm	51.50
460730.0600	M50	50.5	3	19 mm	89.00
460730.0700	M63	63.5	3	19 mm	106.00
460730.0800	PG9	15.2	2	9.5 mm	30.90
460730.0900	PG11	18.6	2	9.5 mm	31.65
460730.1000	PG13	20.4	2	9.5 mm	30.85
460730.1100	PG16	22.5	2	9.5 mm	32.10
460730.1200	PG21	28.3	2	9.5 mm	36.80
460730.1300	PG29	37.0	3	19 mm	50.00
460730.1400	PG36	47.0	3	19 mm	71.75
460730.1500	PG42	54.0	3	19 mm	89.70
460730.1600	PG48	60.0	3	19 mm	94.85
460730.1700	-	30.5	2	9.5 mm	39.15
460730.1800	-	43.2	3	19 mm	65.00
460730.1900	-	61.5	3	19 mm	94.85

NERIOX

**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.

Order ID	Size	Ø mm	For VA sheet thickness mm	Thread	Price EUR
460740.0100	M16	16.2	2	11.1 mm	80.95
460740.0200	M20	20.4	2	11.1 mm	82.65
460740.0300	M25	25.5	2	11.1 mm	87.65
460740.0400	M32	32.5	3	19 mm	94.85
460740.0500	M40	40.5	3	19 mm	108.25
460740.0600	M50	50.5	3	19 mm	139.20
460740.0700	M63	63.5	3	19 mm	164.45
460740.0800	PG9	15.2	2	11.1 mm	78.35
460740.0900	PG11	18.6	2	11.1 mm	80.75
460740.1100	PG16	22.5	2	11.1 mm	84.00
460740.1200	PG21	28.3	3	19 mm	88.15
460740.1300	PG29	37.0	3	19 mm	99.00
460740.1400	PG36	47.0	3	19 mm	128.65
460740.1500	PG 54	54.0	3	19 mm	149.50
460740.1600	PG48	60.0	3	19 mm	168.05
460740.1700	-	30.5	2	11.1 mm	88.15
460740.1800	-	43.2	3	19 mm	129.90
460740.1900	-	61.5	3	19 mm	168.05

NERIOX

**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	Price EUR
460750.0100	24.0 x 24.0	2.0	Manual and automatic operation	194.85
460750.0200	25.4 x 25.4	2.0	Manual and automatic operation	190.75
460750.0300	45 x 45	3.0	Automatic operation	484.50
460750.0400	46 x 46	3.0	Automatic operation	484.50
460750.0500	68 x 68	3.0	Automatic operation	665.00
460750.0600	92 x 92	3.0	Automatic operation	752.60
460750.0700	29 x 71	2.0	Automatic operation	559.80

NERIOX

**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	Price EUR
460760.0100	36 x 52	3.0	Automatic operation	570.10
460760.0200	36 x 65	3.0	Automatic operation	625.75
460760.0300	36 x 86	3.0	Automatic operation	706.20
460760.0400	36 x 112	3.0	Automatic operation	840.20

460770 Hole punch set NERIOX

Triple splitter hole punch for **steel material**. Supplied in a plastic box

Order ID	Parts	Scope of delivery	Price EUR
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)	659.80
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)	561.85
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)	329.90

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	Price EUR
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)	726.80

NERIOX



460790 Tension screws NERIOX

For manually operating the NERIOX hole punches. The ball bearing screw reduces the effort considerably.

Order ID	Size mm	for mm	Application	Price EUR
460790.0100	9,5 x 50.0	12.7 - 31.7	Round punch	11.00
460790.0200	11.1 x 50.0		Round punch	15.50
460790.0300	19.0 x 55.0	28.3 - 44.0	Round punch	22.45
460790.0400	19.0 x 75	47.0 - 82.0	Round punch	24.70

NERIOX



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).

Order ID	Parts	Scope of delivery	Price EUR
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	650.00

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)

	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	1 plastic case, without hole punch
Price EUR	1450.00	1375.00

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 l	Ø x height mm	Price EUR
552601.0100	1.2	150 x 85	144.98
552601.0200	2	200 x 85	167.17
552601.0300	5	300 x 125	190.56

NERIOX

**552606 Replacement fuse NERIOX**

Solder-type.

Order ID	552606.0100
Price EUR	11.20

NERIOX

**518205 PTFE sealing tape NERIOX**

PTFE thread sealing tape, on a plastic spool.

Order ID	Tape width mm	Price EUR
518205.0100	12	1.30

NERIOX

**155055 Batterie NERIOX alkaline**

Primary batteries, non-rechargeable.

Features:

Flexible use
High performance capacity with long service life
Good storability
Low self-discharge with a shelf life of 5 years
Especially recommended for devices with high power consumption

NERIOX

**Package contents:**

Delivered in transport packaging.

Remarque:

According to the Battery Act (BattG), batteries and accumulators must not be disposed of with household waste, but only at the designated collection points.

Order ID	IEC code	Size	Type	Voltage V	Dimensions mm	Material	Packaging unit	Price EUR
155055.0304	LR6	AA Mignon	LR6	1.5	Ø 14.4 x 50.4	Zn/KOH-H ₂ O/MnO ₂	Pack of 4	2.50
155055.0340	LR6	AA Mignon	LR6	1.5	Ø 14.4 x 50.4	Zn/KOH-H ₂ O/MnO ₂	Pack of 40	15.50
155055.0404	LR03	AAA Micro	LR03	1.5	Ø 10.4 X 44.4	Zn/KOH-H ₂ O/MnO ₂	Pack of 4	2.50
155055.0440	LR03	AAA Micro	LR03	1.5	Ø 10.4 X 44.4	Zn/KOH-H ₂ O/MnO ₂	Pack of 40	15.85



130

Safety at work



S. 132

Hand protection



S. 138

Eye protectors





S. 141 Foot protection



S. 144 Clothes

Hand protection

Info page **European standards for protective gloves****CE Category I**

Low risk - e.g. working in the garden. Protective gloves in this category are largely insignificant for health and safety at the workplace.

CE Category II

Medium risk - e.g. protection against cut injuries.

Protective gloves in this category satisfy the requirements for most workplaces. In addition to the CE mark, they must undergo a type test.

CE Category III

High risk - e.g. particular chemical hazards. Protective gloves in this category are also subject to regular quality monitoring.

Material**Leather (CE II)**

Breathable and highly resistant when used for assembly, fitting and metalworking. Hot objects can also be touched to a certain extent.

Cotton (CE I + II)

Suitable for dry areas in which sensitivity and a tactile feel are required, e.g. apparatus construction, precision engineering, fine sheet metal processing, precision work. Materials are protected from fingerprints. Better grip, cut and wear resistance thanks to special coating and fabric construction.

Natural latex (CE II + III)

Liquid- and air-tight, highly elastic and tear-resistant.

Resistant to cleaning solutions and solvents, acids and lyes. Avoid contact with oils and greases.

Synthetic materials (CE II + III)

For example, nitrile, neoprene or PVC, depending on individual requirements.

To protect against aggressive chemicals such as oils, greases, varnish, acids, lyes, paint, alcohol, solvents, etc.

The following EN tests are intended for protective gloves:

EN 420 General requirements

Defines the basic requirements for safety gloves with regard to suitability, harmlessness, construction, storage, sizes, product information, marking, packaging.

**EN 388 Mechanical hazards**

Abrasion resistance	0-4
Coupe-Test cut resistance	0-5
Tear resistance	0-4
Puncture resistance	0-4
TDM cut resistance	A-F
x = untested, not relevant	

**EN 374-2 Protection from micro-organisms**

The glove achieves the Acceptable Quality Level (AQL) for penetration by micro-organisms

**EN 388 Anti-static**

Dissipates static electricity

**EN 374-3 Chemical hazards**

Measurements of the time a chemical requires to penetrate the glove material

**EN 374 Simple chemical protection**

The gloves are waterproof, but do not satisfy the above requirement for chemical hazards. A practical test must be presented before use

**EN 407 Thermal hazards**

a Burning behaviour	1-4
b Contact heat	1-4
c Convective heat	1-4
d Radiated heat	1-4
e Liquid metal splashes	1-4
f Liquid metal	1-4
x = not tested, therefore not relevant	

**EN 511 Cold hazards**

a Convective cold	0-4
b Contact cold	0-4
c Water vapour permeability	0-1

**EN 421 Radiation hazards**

Protection against ionising radiation and radioactive contamination

**EN 60903 Electrical hazards**

Live working - Gloves of insulating material

**Foodstuff gloves**

Confirms the harmlessness of the gloves on contact with foodstuffs by an accredited test institute

530002 Polyester knitted gloves NERIOX

Worker, white



In pairs, palm and fingertips reinforced with thin white **PU coating**, elastic cuff, **for work requiring high abrasion resistance and extremely sensitive touch**, suitable for precision work, in pack of 12 pairs.

CE Category II
EN 388:2016 4131X
Pack of 12 pairs
Price per pair

Order ID	Size	Price EUR
530002.0100	6	1.30
530002.0200	7	1.30
530002.0300	8	1.30
530002.0400	9	1.30
530002.0500	10	1.30
530002.0600	11	1.30

NERIOX

**530003 Polyester knitted gloves NERIOX**

Worker, grey



In pairs, palm and fingertips reinforced with thin, grey **PU coating**, elastic cuff, **for work requiring high abrasion resistance and extremely sensitive touch**, suitable for precision work, in pack of 12 pairs.

CE Category II
EN 388:2016 3131X
Pack of 12 pairs
Price per pair

Order ID	Size	Price EUR
530003.0100	6	1.30
530003.0200	7	1.30
530003.0300	8	1.30
530003.0400	9	1.30
530003.0500	10	1.30
530003.0600	11	1.30

NERIOX

**530004 Polyester knitted gloves NERIOX**

Worker, black



In pairs, palm and fingertips reinforced with thin, black **PU coating**, elastic cuff, **for work requiring high abrasion resistance and extremely sensitive touch**, suitable for precision work, in pack of 12 pairs.

CE Category II
EN 388:2016 3121X
Pack of 12 pairs
Price per pair

Order ID	Size	Price EUR
530004.0100	6	1.30
530004.0200	7	1.30
530004.0300	8	1.30
530004.0400	9	1.30
530004.0500	10	1.30
530004.0600	11	1.30

NERIOX



NERIOX

530005 Polyester knitted gloves NERIOX**Grip**

In pairs, palm and fingertips with black **nitrile micro-foam coating**, especially breathable, **very good tactile sensitivity, high abrasion resistance, very good fit and secure grip** pack of 12 pairs.

CE Category II
EN 388:4131X
Pack of 12 pairs
Price per pair



Order ID	Size	Price EUR
530005.0100	6	2.30
530005.0200	7	2.30
530005.0300	8	2.30
530005.0400	9	2.30
530005.0500	10	2.30
530005.0600	11	2.30

NERIOX

530006 Polyester knitted gloves NERIOX**Lamina**

In pairs, seamless white polyester knit fabric, **palm reinforced with thin grey nitrile coating**, elasticated cuff.

CE Category II
EN 388:4131X
Pack of 12 pairs
Price per pair



Order ID	Size	Price EUR
530006.0100	6	1.60
530006.0200	7	1.60
530006.0300	8	1.60
530006.0400	9	1.60
530006.0500	10	1.60
530006.0600	11	1.60

NERIOX

530007 Leather gloves NERIOX**Driver**

Made of **natural white cowhide leather**, wing thumb, blue ribbon band at the hem, elastic drawingstring on the back, good comfort, length approx. 26 cm in size 10.

CE Category II
EN 388:2016 2122X
Pack of 10 pairs
Price per pair



Order ID	Size	Price EUR
530007.0100	7	4.80
530007.0200	8	4.80
530007.0300	9	4.80
530007.0400	10	4.80
530007.0500	11	4.80

530008 Leather gloves NERIOX

Dermis



In pairs, **natural grey split leather**, fingertips with split leather reinforcement, wing thumb, highly elastic band with hook and loop fastening for optimum grip, length approx. 26 cm in size 10.

CE Category II
EN 388:2016 4133X
Pack of 1 pair
Price per pair

Order ID	Size	Price EUR
530008.0100	7	10.80
530008.0200	8	10.80
530008.0300	9	10.80
530008.0400	10	10.80
530008.0500	11	10.80

NERIOX

**530009 Leather gloves NERIOX**

Expert



In pairs, made of **natural grey split cowhide leather**, cuff made of natural white cotton fabric with wrist protection made of split leather, green ribbon band at the hem, length approx. 26 cm in size 10.

CE Category II
EN 388:2016 4144X
Pack of 10 pairs
Price per pair

Order ID	Size	Price EUR
530009.0100	9	3.00
530009.0200	10	3.00
530009.0300	11	3.00

NERIOX

**530010 Leather gloves NERIOX**

Strong



In pairs, made of **natural grey split leather**, lining made of fluffy polyester, cuffs made of raw white cotton fabric with wrist protection made of split leather, blue ribbon band at the hem, length approx. 29 cm in size 10.

CE Category II
EN 388:2016 4234X
Pack of 10 pairs
Price per pair

Order ID	Size	Price EUR
530010.0100	8	3.90
530010.0200	9	3.90
530010.0300	10	3.90
530010.0400	11	3.90
530010.0500	12	3.90

NERIOX

**530011 Leather gloves NERIOX**

Fighter



In pairs, made of **natural white textured cowhide leather**, cuff made of raw white cotton fabric with wrist protection made of textured buffalo leather, green ribbon band at the hem, length approx. 26 cm in size 10.

CE Category II
EN 388:2016 3143X
Pack of 10 pairs
Price per pair

Order ID	Size	Price EUR
530011.0100	9	4.70
530011.0200	10	4.70
530011.0300	11	4.70

NERIOX



NERIOX

530012 Leather gloves NERIOX

Stone



Sold by pair, made of **soft natural white cowhide leather**, back of the hand and cuff made of high-quality, natural cotton, **knuckle and wrist protection**, blue ribbon band at the hem, length approx. 29 cm in size 10.

CE Category II
EN 388:2016 3144X
Pack of 10 pairs
Price per pair

Order ID	Size	Price EUR
530012.0100	8	5.70
530012.0200	9	5.70
530012.0300	10	5.70
530012.0400	11	5.70

NERIOX

530013 Welding gloves NERIOX

Blaze



In pairs, made of **natural white sheepskin leather** with layered cut and thumb inserts, cuffs made of split leather, **very soft and comfortable to wear**, length approx. 36 cm in size 10.

CE Category II
EN 388:2016 2122X
EN 407:2004 412X4X
Pack of 5 pairs
Price per pair

Order ID	Size	Price EUR
530013.0100	9	5.50
530013.0200	10	5.50
530013.0300	11	5.50

NERIOX

530014 Winter leather gloves NERIOX

Winter Cold



In pairs, made of **natural white cotton fabric**, inner glove made from napped cotton lining, **inner glove made entirely from warm, synthetic lining**, cuff made of raw white cotton fabric, wrist protection made of textured cowhide leather, length approx. 27 cm in size 10.

CE Category II
EN 388:2016 3243X
Pack of 10 pairs
Price per pair

Order ID	Size	Price EUR
530014.0100	9	6.30
530014.0200	10	6.30
530014.0300	11	6.30

NERIOX

530015 Cotton gloves NERIOX

Sensation



As pair, **100% cotton (heavy duty quality)**, with knitted cuff; all-purpose gloves for light, general work; thin sheet metal and other metalwork, work with heavy fouling and to protect materials from fingerprints.

CE Category I
Pack of 12 pairs
Price per pair

Order ID	Size	Price EUR
530015.0100	10	0.90

530016 Cotton gloves NERIOX**Cord**

As pair, **in cotton tricot, for delicate jobs** e.g. precision engineering, gusset/décolletage machining, apparatus construction; also to prevent fingerprints, pack of 12 pairs.

CE Category I

Pack of 12 pairs

Price per pair

Order ID	Size	Price EUR
530016.0100	6	0.80
530016.0200	7	0.80
530016.0300	8	0.80
530016.0400	9	0.80
530016.0500	10	0.80
530016.0600	11	0.80

NERIOX

**530017 Cotton gloves NERIOX****Tender**

As pair, **100% cotton jersey**; all-purpose gloves for light, general work; thin sheet metal and other metalwork, work with heavy fouling and to protect materials from fingerprints, pack of 12 pairs.

CE Category I

Pack of 12 pairs

Price per pair

Order ID	Size	Price EUR
530017.0100	8	1.10
530017.0200	10	1.10

NERIOX



Eye protection Info page 

Good to know

Our eyes – Why so important?

None of our sensory organs is as important as the eye. No other sensory organ transmits so much information to us. We perceive approx. 90% of sensory impressions with the eye. An no other sensory organ can be so easily injured.

As a result we have to protect it, particularly on the job, against:

- mechanical effects (dust, grains, chips, flakes)
- optical effects (UV rays, light glare)
- chemical effects (vapours, gases, lyes, smoke, acids)
- thermal effects (heat, cold, glowing particles)
- specific effects (laser rays, X-rays, electric arcs)

Standard EN 166 lays down the requirements for the personal eye protection, however not what has to be worn when.

Take advantage of our expert advisers' expertise. Just ask which type of safety glasses provides the best protection for your conditions of use.

NERIOX



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.

Appropriate accessories:

531544 Glasses case NERIOX Protect

Order ID	531002.0100
Color frame	Transparent/green
Color lenses	Transparent
Coating	beschlagfrei
Price EUR	5,40

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.

Appropriate accessories:

531544 Glasses case NERIOX Protect

The glasses are supplied complete with strap and padding.

Order ID	Color frame	Color lenses	Coating	Price EUR
531003.0100	black/green	Transparent	beschlagfrei	11.50



NERIOX



transparent

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.

Designs:

531004.0100: Transparent lenses

531004.0200: Tinted lenses

Appropriate accessories:

531544 Glasses case NERIOX Protect

Order ID	Color frame	Color lenses	Coating	Price EUR
531004.0100	Transparent/green	Transparent	beschlagfrei	4.90
531004.0200	Transparent/green	tinted	beschlagfrei	5.30



tinted

531005 Safety glasses NERIOX

Vogue

The mist-free polycarbonate lens **extends far back** to protect the entire field of view, while the colour-red/transparent polycarbonate frame adds a fashionable touch.

Appropriate accessories:

531544 Glasses case NERIOX Protect

Order ID	Color frame	Color lenses	Coating	Price EUR
531005.0100	Transparent/green	Transparent	beschlagfrei	5.40

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.

Appropriate accessories:

531544 Glasses case NERIOX Protect

Adjustable frame length and inclination.

Order ID	Color frame	Color lenses	Coating	Price EUR
531007.0100	black	Transparent	beschlagfrei	4.50

NERIOX



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**.

Order ID	Color frame	Color lenses	Coating	Price EUR
531008.0100	Transparent	Transparent	beschlagfrei	2.60

NERIOX



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.

Order ID	Color frame	Color lenses	Coating	Price EUR
531009.0100	transparent/black	transparent	beschlagfrei	4.30

NERIOX



531302 Safety goggles NERIOX

Diver

Panoramic, mist-free polycarbonate safety goggles with **very good all-round visibility**, the soft PVC (polyvinyl chloride) material fits well to the head and **is comfortable to wear** even for long periods, elastic strap for the perfect hold.

Order ID	Color frame	Color lenses	Coating	Price EUR
531302.0100	Transparent	Transparent	beschlagfrei	8.20

NERIOX



NERIOX



531303 Safety goggles NERIOX

Dusky

Sporty safety goggles with large, polycarbonate field of view, **four vents for good air circulation, while still protecting against dust and liquids**, the soft PVC (polyvinyl chloride) material fits well to the head and the elastic strap keeps the goggles snug to the head.

Order ID	Color frame	Color lenses	Coating	Price EUR
531303.0100	tinted	tinted	beschlagfrei	9.10

NERIOX



531304 Safety goggles NERIOX

Ace

The safety goggles are **excellently suited for wearing with a hard hat and/or respiratory protection mask**, the large, polycarbonate lenses offer perfect vision, the **soft, injection moulded sealing lip provides a high level of comfort**, the wide elastic strap provides the perfect hold.

Order ID	Color frame	Color lenses	Coating	Price EUR
531304.0100	grey	Transparent	beschlagfrei	10.40

NERIOX



531544 Glasses case NERIOX

Protect

Textile belt pocket with **zip** and fixed, closed **belt loop**. Ideal for glasses with extremely curved frames, also provides space for replacement lenses.

Usable with:

- 531002 Safety glasses NERIOX
- 531003 Safety glasses NERIOX
- 531004 Safety glasses NERIOX
- 531005 Safety glasses NERIOX
- 531007 Safety glasses NERIOX

Order ID	Dimensions mm	Price EUR
531544.0100	180 x 110	4.90

Standards overview**EN 20344**

Lays down the basic requirements for safety, protective and occupational footwear.

EN 20345-1 Safety footwear

In accordance with EN 20344, steel or plastic toe caps must withstand a test energy of 200 J.

EN 20346 Protective footwear

In accordance with EN 20344, steel or plastic toe caps must withstand a test energy of 100 J.

EN 20347 Occupational footwear

In accordance with EN 20344, steel or plastic toe caps are not required.

Categories to EN 20345-1

- SB Satisfies all basic requirements. Toe protection cap (200 J), open heel area, oil-resistant sole
- S1 Satisfies all basic requirements. Toe protection cap (200 J), oil-resistant sole. In addition, however, closed heel area, anti-static, anti-shock and fuel-resistant sole
- S1P as S1. In addition, however, puncture-resistant soles
- S2 as S1. In addition, however, protection against water penetration and water absorption
- S3 as S2. In addition, however, puncture-resistant, profiled soles
- S4 PU or PVC safety boots. Satisfies all requirements of S2, 100 % waterproof
- S5 PU or PVC safety boots. Fulfills all requirements of S3

Our tip

You are not sure which safety footwear is right for you, or whether it fits comfortably?
We will gladly visit you with a selection of appropriate footwear, inlays and sizes for a free-of-charge fitting.

534033 Safety sandals S1P NERIOX**Prato 1**

Quality shoes according to EN ISO 20345:2011, upper made of suede and Cordura, abrasion-resistant and breathable lining, **steel toecap, puncture-resistant steel midsole**, non-slip and oil-resistant PU/PU outsole.

Alternatively also available:

534034 Safety lace-up shoes S1P NERIOX Prato 2

Order ID	Size	Price EUR	Order ID	Size	Price EUR
534033.0100	39	37.50	534033.0600	44	37.50
534033.0200	40	37.50	534033.0700	45	37.50
534033.0300	41	37.50	534033.0800	46	37.50
534033.0400	42	37.50	534033.0900	47	37.50
534033.0500	43	37.50			

NERIOX



NERIOX

534034 Safety lace-up shoes S1P NERIOX**Prato 2**

Quality shoes according to EN ISO 20345:2011, upper made of suede and Cordura, abrasion-resistant and breathable lining, **steel toecap**, **puncture-resistant steel midsole**, non-slip and oil-resistant PU/PU outsole.

Alternatively also available:

534033 Safety sandals S1P NERIOX Prato 1

Order ID	Size	Price EUR	Order ID	Size	Price EUR
534034.0100	39	41.70	534034.0600	44	41.70
534034.0200	40	41.70	534034.0700	45	41.70
534034.0300	41	41.70	534034.0800	46	41.70
534034.0400	42	41.70	534034.0900	47	41.70
534034.0500	43	41.70			



NERIOX

534233 Safety lace-up shoes S3 NERIOX**Lucca 1**

Quality shoes according to EN ISO 20345:2011, upper made of water-repellent leather, abrasion-resistant and breathable lining, **steel toecap**, **puncture-resistant steel midsole**, non-slip and oil-resistant PU/PU outsole.

Alternatively also available:

534234 Safety shoes S3 NERIOX Lucca 2

Order ID	Size	Price EUR	Order ID	Size	Price EUR
534233.0100	39	37.50	534233.0600	44	37.50
534233.0200	40	37.50	534233.0700	45	37.50
534233.0300	41	37.50	534233.0800	46	37.50
534233.0400	42	37.50	534233.0900	47	37.50
534233.0500	43	37.50			



534234 Safety shoes S3 NERIOX

NERIOX

Lucca 2

Quality shoes according to EN ISO 20345:2011, upper made of water-repellent leather, abrasion-resistant and breathable lining, **steel toe cap, puncture-resistant steel midsole**, non-slip and oil-resistant PU/PU outsole.

Alternatively also available:

534233 Safety lace-up shoes S3 NERIOX Lucca 1

Order ID	Size	Price EUR	Order ID	Size	Price EUR
534234.0100	39	39.20	534234.0600	44	39.20
534234.0200	40	39.20	534234.0700	45	39.20
534234.0300	41	39.20	534234.0800	46	39.20
534234.0400	42	39.20	534234.0900	47	39.20
534234.0500	43	39.20			



NERIOX

**536371 Softshell jacket NERIOX Lenny**

Lenny, black

95% polyester, 5% elastane, inner: Warm micro-polar polyester, 300 g/m².**Alternatively also available:**

536372 Softshell jacket NERIOX Lenny, navy blue

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	Price EUR
536371.0100	S	32.50
536371.0200	M	32.50
536371.0300	L	32.50
536371.0400	XL	32.50
536371.0500	XXL	32.50
536371.0600	XXXL	32.50

NERIOX

**536372 Softshell jacket NERIOX**

Lenny, navy blue

95% polyester, 5% elastane, inner: Extra warm micro-polar polyester, 300 g/m².**Alternatively also available:**

536371 Softshell jacket NERIOX Lenny Lenny, black

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	Price EUR
536372.0100	S	32.50
536372.0200	M	32.50
536372.0300	L	32.50
536372.0400	XL	32.50
536372.0500	XXL	32.50
536372.0600	XXXL	32.50

NERIOX

**536373 Softshell sleeveless jacket NERIOX**

Adam black

95% polyester, 5% elastane, inner: Warm micro-polar polyester, 300 g/m².**Alternatively also available:**

536374 Softshell sleeveless jacket NERIOX Adam, navy blue

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	Price EUR
536373.0100	S	30.00
536373.0200	M	30.00
536373.0300	L	30.00
536373.0400	XL	30.00
536373.0500	XXL	30.00
536373.0600	XXXL	30.00

NERIOX

**536374 Softshell sleeveless jacket NERIOX**

Adam, navy blue

Outer: 92% polyester, 8% elastane, inner: 100% polyester, 300 g/m².**Alternatively also available:**

536373 Softshell sleeveless jacket NERIOX Adam black

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	Price EUR
536374.0100	S	30.00
536374.0200	M	30.00
536374.0300	L	30.00
536374.0400	XL	30.00
536374.0500	XXL	30.00
536374.0600	XXXL	30.00

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