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Standards for your success.

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WORKSHOP EQUIPMENT

AUTUMN
SPECIAL
OFFERS

Valid from 01/10 to 17/12/2024



meusburger

Standards for your success.



They stick to their word!

From threadlockers and thread sealants to retaining compounds: anaerobic adhesives are suitable for many applications. We reveal some tips and tricks to you, so you achieve the best possible results.

› Discover more from page 32



SPECIAL OFFER

Permanent lifting magnet THL 100

› Read more on page 36



UP TO
-50%

FOR A LIMITED TIME ONLY

Great offers in autumn

From **1 October to 17 December 2024**, you can benefit from unique discounts on selected products from our workshop equipment range.

See for yourself!

All-rounder at work

Get a set of our high-quality M-Line micro motor system and the appropriate handpieces for your workshop.

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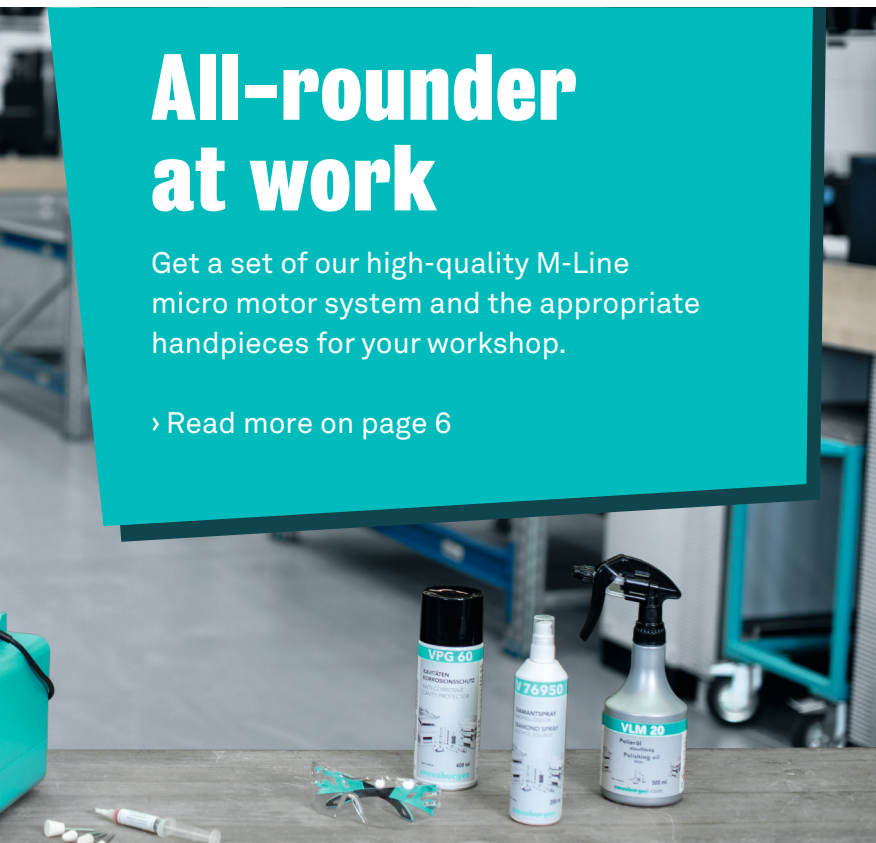
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SURFACE FINISHING EQUIPMENT

ULTRASONIC SYSTEM 100W GESU 1300/SET
PRODUCT DESCRIPTION

- » Powerful ultrasonic system
- » For fast work on large areas or fine applications
- » Amplitude value adjustable in 99 steps
- » Mode for every work situation: soft - hard
- » Easy operation via LCD display

SCOPE OF DELIVERY

- » An adequate cable for connection to your mains



Set contents	Power	No.	EUR
<ul style="list-style-type: none"> » Control unit for ultrasonic polisher 100W » Ultrasonic handpiece GESU 2300/N » Micro motor handpiece GESU 2310/35/3 » Tip holder » Cable for GESU 2300 Ultrasonic handpiece » Handpiece stand » Connecting cable, 230 V, Euro socket outlet with earthing contact » A set of tools (various diamond files and ceramic fibre stones) » Clamping equipment 	45	GESU 1300/Set-1	7,121.00 5,125.70
<ul style="list-style-type: none"> » Control unit for ultrasonic polisher 100W » Ultrasonic handpiece GESU 2300/P » Micro motor handpiece GESU 2310/35/3 » Tip holder » Cable for GESU 2300 Ultrasonic handpiece » Handpiece stand » Connecting cable, 230 V, Euro socket outlet with earthing contact » A set of tools (various diamond files and ceramic fibre stones) » Clamping equipment 	100	GESU 1300/Set-2	7,121.00 5,125.70
<ul style="list-style-type: none"> » Control unit for ultrasonic polisher 100W » Ultrasonic handpiece GESU 2300/N » Ultrasonic handpiece GESU 2300/P » Micro motor handpiece GESU 2310/35/3 » Tip holder » Cable for GESU 2300 Ultrasonic handpiece » Handpiece stand » Connecting cable, 230 V, Euro socket outlet with earthing contact » A set of tools (various diamond files and ceramic fibre stones) » Clamping equipment 	45/100	GESU 1300/Set-3	8,624.00 6,211.00



CERAMIC FIBRE STONE, NEW SUPER STONE, FLAT **V 74620**

PRODUCT DESCRIPTION

- » Especially for small and very small surfaces, crosspieces and complex contours
- » For hardened and unhardened tool steels
- » Ideal for removing EDM scale
- » High resistance to fractures



RECOMMENDATION FOR USE

- » Cuts on the front end only; when combined with diamond compound, cutting from the side is also possible
- » Ideally suited for ultrasonic polishing systems
- » If possible, cut to length with a diamond cutting wheel and then hone the front end with a fine diamond file

s	b	l	Grit	No.	EUR	%
1	6	100	120	V 74620/ 1,0x 6/100/ 120	27.20	19.60
1	6	100	180	V 74620/ 1,0x 6/100/ 180	25.90	18.60
1	6	100	300	V 74620/ 1,0x 6/100/ 300	25.90	18.60
1	6	100	400	V 74620/ 1,0x 6/100/ 400	25.90	18.60
1	6	100	600	V 74620/ 1,0x 6/100/ 600	25.90	18.60
1	6	100	800	V 74620/ 1,0x 6/100/ 800	24.00	17.30
1	6	100	1000	V 74620/ 1,0x 6/100/1000	24.00	17.30
1	6	100	1200	V 74620/ 1,0x 6/100/1200	24.00	17.30

s	b	l	Grit	No.	EUR	%
2	10	100	120	V 74620/ 2,0x10/100/ 120	72.50	52.20
2	10	100	180	V 74620/ 2,0x10/100/ 180	68.00	49.00
2	10	100	300	V 74620/ 2,0x10/100/ 300	68.00	49.00
2	10	100	400	V 74620/ 2,0x10/100/ 400	68.00	49.00
2	10	100	600	V 74620/ 2,0x10/100/ 600	68.00	49.00
2	10	100	800	V 74620/ 2,0x10/100/ 800	68.00	49.00
2	10	100	1000	V 74620/ 2,0x10/100/1000	85.00	61.20
2	10	100	1200	V 74620/ 2,0x10/100/1200	68.00	49.00

COLD-LIGHT SOURCE WITH LED LAMPS
BAL 4120

PRODUCT DESCRIPTION

- » High light output through LED technology
- » Energy-saving and durable
- » Infinitely variable



Output	No.	EUR	%
2 x 1 W	BAL 4120/ 2/ 1	300.00	222.00

LED MAGNIFYING LAMP, PREMIUM
BAL 2410

PRODUCT DESCRIPTION

- » Flexibly lockable arm joint
- » 48 LEDs, continuously dimmable to 10% with memory function
- » Scratch-proof lens
- » Arm out of aluminium in closed design
- » Segment lighting for individual illumination



SCOPE OF DELIVERY

- » Lens protection

d	Dioptries	No.	EUR	%
160	3.5	BAL 2410/160/3,5	931.00	651.70

MAGNETIC CLAMPING BALL **HPO 4400**

PRODUCT DESCRIPTION

- » For ergonomic polishing
- » Ball can rotate and swivel in all directions
- » Magnet can be switched on and off
- » Ball is held in position by stick-slip effect



d	No.	EUR	%
80	HPO 4400/ 80	1,044.00	752.10
100	HPO 4400/100	1,251.00	901.10
130	HPO 4400/130	1,545.00	1,112.40
160	HPO 4400/160	1,876.00	1,351.10

SET: CONTROL UNIT FOR M-LINE MICRO MOTOR
GESM 1000/SET
PRODUCT DESCRIPTION

- » 4.3" TFT colour display with speed and load display
- » Automatic type and speed detection of all M-Line micro motor handpieces
- » Infinitely variable speed from 1,000-80,000 min⁻¹
- » Connection options for two handpieces enables efficient working
- » Rotation key for quickly changing the direction of rotation
- » 2x USB port for software updates, for operating USB LED lights (GESM 10006) or for charging USB battery-powered devices


SCOPE OF DELIVERY

- » Control unit (GESM 1000)
- » Micro motor handpiece of your choice (incl. accessories)
- » 2x Handpiece stand (GESM 10003)
- » Mains cable (C13 type F)
- » Safety glasses (ASA 1453)
- » User manual

Set contents	n max.	No.	EUR	%
<ul style="list-style-type: none"> » GESM 1000/80 Control unit » GESM 2001/260/60 Micro motor handpiece, allround, Ø3 mm 	60,000	GESM 1000/Set-1	2,278.00 1,708.50	
<ul style="list-style-type: none"> » GESM 1000/80 Control unit » GESM 2007/260/60 Micro motor handpiece, power, Ø3 mm 	60,000	GESM 1000/Set-2	2,366.00 1,774.50	
<ul style="list-style-type: none"> » GESM 1000/80 Control unit » GESM 2008/260/60 Micro motor handpiece, long, Ø3 mm 	50,000	GESM 1000/Set-3	2,377.00 1,782.80	
<ul style="list-style-type: none"> » GESM 1000/80 Control unit » GESM 2011/260/30/ 6 Micro motor handpiece, torque, Ø6 mm 	30,000	GESM 1000/Set-4	2,377.00 1,782.80	
<ul style="list-style-type: none"> » GESM 1000/80 Control unit » GESM 2012/260/60/ 3 Micro motor handpiece, collet, Ø3 mm 	60,000	GESM 1000/Set-5	2,377.00 1,782.80	
<ul style="list-style-type: none"> » GESM 1000/80 Control unit » GESM 2016/260/80 Micro motor handpiece, high speed, Ø3 mm 	80,000	GESM 1000/Set-7	2,488.00 1,866.00	
<ul style="list-style-type: none"> » GESM 1000/80 Control unit » GESM 2023/260/30/45 Micro motor angle-type handpiece, 45°, Ø3 mm 	30,000	GESM 1000/Set-8	2,488.00 1,866.00	
<ul style="list-style-type: none"> » GESM 1000/80 Control unit » GESM 2023/260/30/90 Micro motor angle-type handpiece, 90°, Ø3 mm 	30,000	GESM 1000/Set-9	2,488.00 1,866.00	
<ul style="list-style-type: none"> » Control unit GESM 1000/80 » Micro motor handpiece, Mini, ø 3 mm GESM 2004/260/70 	70,000	GESM 1000/Set-10	2,234.00 1,675.50	

SET: SOLID CARBIDE MINI ROTARY BURR, DIAMOND CUT, SHANK Ø 3
V 72225/SET
PRODUCT DESCRIPTION

- » Shank ø 3 mm
- » Also for hardened materials
- » High surface quality
- » For pre-toughened and hardened steel up to 55 HRC



Set contents	No.	EUR	%
» All V 72225 Mini rotary burrs in a set	V 72225/Set-20	230.00 172.50	

SET: SOLID CARBIDE ROTARY BURRS, CROSS CUT, FINE, SHANK Ø 6, PREMIUM V 72254/SET

PRODUCT DESCRIPTION

- » Shank ø 6 mm
- » For pre-toughened and hardened steel < 54 HRC and chrome steel



Set contents	No.	EUR	%
<ul style="list-style-type: none"> » Solid carbide rotary burr, cross cut, fine V 72254/A2/ 6,0x16,0 » Solid carbide rotary burr, cross cut, fine V 72254/A3/ 6,0x16,0 » Solid carbide rotary burr, cross cut, fine V 72254/J11/10,0 » Solid carbide rotary burr, cross cut, fine V 72254/L1/ 6,0x18,0 	V 72254/Set-1	105.00 77.70	
<ul style="list-style-type: none"> » Solid carbide rotary burr, cross cut, fine V 72254/A2/12,0x25,0 » Solid carbide rotary burr, cross cut, fine V 72254/A3/12,0x25,0 » Solid carbide rotary burr, cross cut, fine V 72254/G3/12,0x25,0 » Solid carbide rotary burr, cross cut, fine V 72254/J11/10,0 » Solid carbide rotary burr, cross cut, fine V 72254/L1/12,0x30,0 	V 72254/Set-2	210.00 155.40	

ABRASIVE FABRIC BALL WITH SHANK V 74982

PRODUCT DESCRIPTION

- » For cleaning or fine polishing
- » Suitable for steel or non-ferrous metals
- » Fits the contour optimally



Version	d1	No.	EUR	%
01 extra rough	25	V 74982/01/25	35.60 25.60	
02 very rough	25	V 74982/02/25	32.60 23.50	
03 rough	25	V 74982/03/25	31.20 22.50	
03 rough	40	V 74982/03/40	55.50 40.00	
04 medium	30	V 74982/04/30	38.70 27.90	
04 medium	40	V 74982/04/40	44.10 31.80	
05 medium SiC	25	V 74982/05/25	31.20 22.50	
05 medium SiC	40	V 74982/05/40	46.50 33.50	
06 fine	25	V 74982/06/25	31.20 22.50	
06 fine	40	V 74982/06/40	47.70 34.30	
07 very fine	25	V 74982/07/25	31.20 22.50	
07 very fine	40	V 74982/07/40	47.70 34.30	
08 ultra fine	25	V 74982/08/25	31.20 22.50	

AIR FILE, PREMIUM GDSF 1010
PRODUCT DESCRIPTION

- » Linear stroke
- » Ergonomic design
- » High frequency
- » Non-lubricated use

RECOMMENDATION FOR USE

- » Do not use with lubricated air!
- » Best suited for rough work and prolonged use

SCOPE OF DELIVERY

- » Hoses and clamping equipment

Stroke	No.	EUR	
0.3	GDSF 1010/0,3	472.00	347.30
0.7	GDSF 1010/0,7	472.00	347.30
1.2	GDSF 1010/1,2	472.00	347.30


AIR FILE WITH PENDULUM STROKE, PREMIUM GDSF 5010
PRODUCT DESCRIPTION

- » Pendulum stroke
- » Ergonomic design
- » High frequency
- » Non-lubricated use

RECOMMENDATION FOR USE

- » Do not use with lubricated air!
- » Best suited for rough work and prolonged use

SCOPE OF DELIVERY

- » Hoses and clamping equipment

Stroke	No.	EUR	
0.3	GDSF 5010/0,3	490.00	352.80
0.7	GDSF 5010/0,7	490.00	352.80
1.2	GDSF 5010/1,2	490.00	352.80


AIR ANGLE GRINDER, UNIVERSAL GDSW 1040
PRODUCT DESCRIPTION

- » Compact grinder for various applications
- » Supplied with interchangeable attachments
- » Adjustable speed
- » Light weight and a low vibration level
- » With lever operation

SCOPE OF DELIVERY

- » Hoses, plastic box and attachments

n max.	No.	EUR	
13,000	GDSW 1040/13	833.00	637.00



AIR PREPARATION UNIT WITH FILTER AND LUBRICATOR GDZW 1210

PRODUCT DESCRIPTION

- » Comprises of lubricator, filter and drain valves
- » Adjustable from 0 to 10 bar
- » Adjustable oil volume
- » Manual condensate drain

Version	M	No.	EUR	
Standard	1/4"	GDZW 1210/1/4/S	199.00	143.30



AIR PREPARATION UNIT WITH FILTER GDZW 1110

PRODUCT DESCRIPTION

- » Convenient for permanently lubricated devices
- » Manual condensate drain
- » Adjustable from 0 to 10 bar
- » With the GDZW 2620 Miniature lubricator even lubricated air can be produced



Version	M	No.	EUR	
Standard	1/4"	GDZW 1110/1/4/S	132.00	95.00

DISTRIBUTOR FOR AIR PREPARATION UNIT GDZW 2460

PRODUCT DESCRIPTION

- » For branching off unlubricated compressed air in the GDZW 1210
- » With 4 outlets - can also be used as a distributor
- » With non-return valves



M	No.	EUR	
1/4"	GDZW 2460/1/4	67.00	48.20

COMPRESSED AIR HOSE WITH SAFETY HOSE COUPLER GDZS 2335

PRODUCT DESCRIPTION

- » Mounted safety coupling
- » Light, flexible hose for compressed air
- » Comprising of 3 layers of thermoplastic
- » Optimal for use with air tools

d1	l	No.	EUR	
9	10	GDZS 2335/9/10	86.50	62.30



SPEED LAP SET V 76860
PRODUCT DESCRIPTION

- » Includes all shapes of the Speed Lap system
- » Hard pads and bars for applying diamond compound in order to carry out lapping work
- » Supplied in a convenient plastic case



Content			No.	EUR	
	V 76862/4x 4/140	1 pce.	V 76860/Set	493.00	139.00
	V 76862/6x10/140	1 pce.			
	V 76862/8x 8/140	1 pce.			
	V 76863/3/ 50	2 pce.			
	V 76863/5/140	1 pce.			
	V 76863/8/140	1 pce.			
	V 76866/V1/4	5 pce.			
	V 76866/V1/5	5 pce.			
	V 76866/V1/6	5 pce.			
	V 76866/V1/8	5 pce.			
	V 76866/R1/4	5 pce.			
	V 76866/R1/5	5 pce.			
	V 76866/R1/6	5 pce.			
	V 76866/R1/8	5 pce.			
	V 76866/D1/6	5 pce.			
	V 76866/D1/8	5 pce.			
	V 76868/2,5	1 pce.			
	V 76868/3,3	1 pce.			

SET: DIAMOND HAND FILES, TAPERED NEEDLE V 74410/SET
PRODUCT DESCRIPTION

- » Plastic coated shank
- » Diamond grit with galvanic bond

Set contents	Grit	Type	No.	EUR	
» All diamond hand files V 74410 in one set	150, 200, 400, 600	Set 12	V 74410/Set-12	78.50	58.10


SET: DIAMOND HABILIS FILES, PREMIUM V 74450/SET
PRODUCT DESCRIPTION

- » High service life
- » Habilis files enable a high working pressure
- » High-quality galvanic coating
- » Best diamond quality with thick diamond layer

Set contents	Grit	Type	No.	EUR	
» V 74450 Diamond habilis file, all shapes in a set	80/D181	Set 5	V 74450/Set-5/ 80	326.00	232.70
» V 74450 Diamond habilis file, all shapes in a set	120/D126	Set 5	V 74450/Set-5/120	326.00	232.70





**DIAMOND COMPOUND, HIGHLY CONCENTRATED
V 76902**

PRODUCT DESCRIPTION

- » Highly concentrated synthetic grit
- » Marked with food colouring
- » Resistant to elevated temperatures, very creamy texture
- » Oil and water soluble
- » Silicone-free



Grit	Content	No.	EUR	%
0.25	20 g	V 76902/ 0,25/20	88.50	66.40
0.5	20 g	V 76902/ 0,5 /20	88.50	66.40
1	20 g	V 76902/ 1 /20	81.50	61.10
3	20 g	V 76902/ 3 /20	82.50	61.90
6	20 g	V 76902/ 6 /20	89.00	66.80
9	20 g	V 76902/ 9 /20	95.00	71.30
13	20 g	V 76902/13 /20	97.50	73.10
17	20 g	V 76902/17 /20	99.50	74.60
25	20 g	V 76902/25 /20	103.00	77.30
35	20 g	V 76902/35 /20	107.00	80.30
50	20 g	V 76902/50 /20	110.00	82.50

**CLEANING CLOTH, PREMIUM
V 76980**

PRODUCT DESCRIPTION

- » Cleaning of sensitive surfaces
- » Absolutely lint and dust free
- » Optimal for polishing applications
- » Tear-resistant and durable



Dimensions	PU Pcs./PU	No.	EUR	%
400 x 380	20	V 76980/20	22.20	16.90

**DIAMOND SUSPENSION
V 76962**

PRODUCT DESCRIPTION

- » Diamond evenly distributed in each drop
- » For application on small surfaces
- » Alcohol soluble, easy to clean
- » Silicone-free



Content	Grit	No.	EUR	%
100ml	0.25	V 76962/0,25	45.40	34.10
100ml	0.5	V 76962/0,5	46.40	34.80
100ml	1	V 76962/ 1	47.00	35.30
100ml	3	V 76962/ 3	47.70	35.80
100ml	6	V 76962/ 6	49.30	37.00
100ml	9	V 76962/ 9	51.50	38.60

**POLISHING OIL, THIN
VLM 20**

PRODUCT DESCRIPTION

- » Thin polishing oil for polishing stones and oil-soluble diamond compounds

ADVANTAGES

- » Diamond compounds sprayed with polishing oil will stay smooth during the polishing process
- » The low viscosity guarantees a good rinsing effect
- » Excellent base for all lapping powders (aluminium oxide, silicon carbide, CBN, etc.)



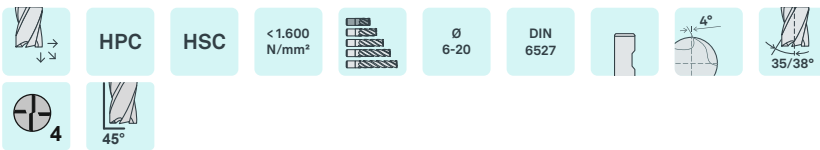
Containers	Content	No.	EUR	%
Spray bottle	500ml	VLM 20/ 500	16.70	12.40
Bottle	1000ml	VLM 20/1000	26.30	19.50

CUTTING TOOLS



CARBIDE ROUGH / FINISH MILLING CUTTER, SHORT

WZF 12238



PRODUCT DESCRIPTION

- » High-performance milling cutter with non-uniform pitch and centre cut
- » Relieved behind the cutting edge

MATERIAL

- » Carbide, TiAlN multi-layer coated



d	No.	EUR	%
6	WZF 12238/ 6	35.10	19.00
8	WZF 12238/ 8	44.80	25.00
10	WZF 12238/10	62.50	34.00

d	No.	EUR	%
12	WZF 12238/12	84.00	46.00
16	WZF 12238/16	135.00	72.00
20	WZF 12238/20	225.00	124.00

CARBIDE ROUGH / FINISH MILLING CUTTER, LONG **WZF 12248P**



PRODUCT DESCRIPTION

» High-performance milling cutter with different helix angle and centre cut

MATERIAL

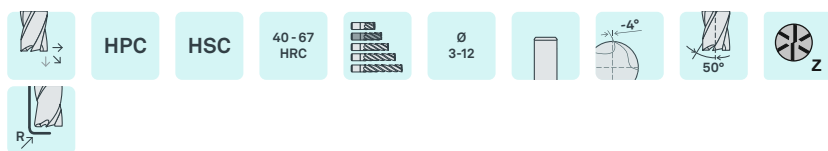
» Carbide, TiAlN multi-layer coated



d	No.	EUR	%
3	WZF 12248P/ 3	20.10	13.00
4	WZF 12248P/ 4	20.10	13.00
5	WZF 12248P/ 5	20.10	13.00
6	WZF 12248P/ 6	24.70	16.00
8	WZF 12248P/ 8	33.40	22.00

d	No.	EUR	%
10	WZF 12248P/10	50.50	33.00
12	WZF 12248P/12	64.50	42.00
16	WZF 12248P/16	112.00	73.00
20	WZF 12248P/20	171.00	111.00

CARBIDE FINISHING CUTTER WITH RADIUS, FOR HARD MACHINING, LONG **WZF 137461**



PRODUCT DESCRIPTION

» High-performance milling cutter with centre cut for fine finishing
 » Relieved behind the cutting edge

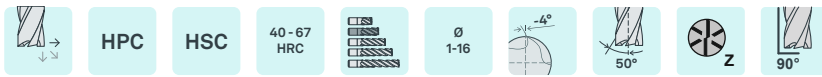
MATERIAL

» Carbide, TiSiN coated



d	R	No.	EUR	%
3	0.3	WZF 137461/ 3/0,3	54.00	35.00
4	0.3	WZF 137461/ 4/0,3	63.50	41.00
5	0.3	WZF 137461/ 5/0,3	63.50	41.00
5	0.5	WZF 137461/ 5/0,5	66.00	43.00
6	0.5	WZF 137461/ 6/0,5	68.50	45.00
6	1	WZF 137461/ 6/ 1	68.50	45.00

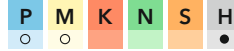
d	R	No.	EUR	%
8	0.5	WZF 137461/ 8/0,5	91.00	59.00
8	1	WZF 137461/ 8/ 1	91.00	59.00
10	0.5	WZF 137461/10/0,5	106.00	69.00
10	1	WZF 137461/10/ 1	106.00	69.00
12	0.5	WZF 137461/12/0,5	148.00	95.00
12	1	WZF 137461/12/ 1	148.00	95.00

CARBIDE FINISH MILLING CUTTER FOR HARD MACHINING, EXTRA LONG
WZF 13756

PRODUCT DESCRIPTION

» High-performance milling cutter with centre cut for fine finishing

MATERIAL

» Carbide, TiSiN coated



d	No.	EUR	%
1	WZF 13756/ 1	46.90	30.00
2	WZF 13756/ 2	46.90	30.00
3	WZF 13756/ 3	44.00	29.00
4	WZF 13756/ 4	57.00	37.00
5	WZF 13756/ 5	56.00	36.00

d	No.	EUR	%
6	WZF 13756/ 6	65.00	42.00
8	WZF 13756/ 8	76.50	50.00
10	WZF 13756/10	110.00	72.00
12	WZF 13756/12	132.00	86.00
16	WZF 13756/16	200.00	130.00

CARBIDE ROUGH / FINISH MILLING CUTTER FOR ALUMINIUM, LONG
WZF 12848

PRODUCT DESCRIPTION

- » High-performance milling cutter for aluminium materials
- » With non-uniform pitch and centre cut
- » Relieved behind the cutting edge

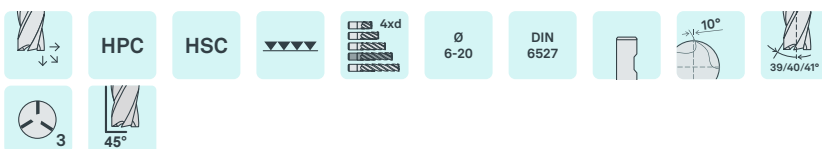
MATERIAL

» Carbide, polished



d	No.	EUR	%
3	WZF 12848/ 3	33.30	20.00
4	WZF 12848/ 4	36.90	22.00
5	WZF 12848/ 5	36.90	22.00
6	WZF 12848/ 6	35.10	21.00
8	WZF 12848/ 8	47.00	28.00

d	No.	EUR	%
10	WZF 12848/10	62.00	37.00
12	WZF 12848/12	84.00	50.00
16	WZF 12848/16	137.00	81.50
20	WZF 12848/20	231.00	138.00

CARBIDE ROUGH / FINISH MILLING CUTTER FOR ALUMINIUM, EXTRA LONG, 4XD
WZF 12868

PRODUCT DESCRIPTION

- » High-performance milling cutter for aluminium materials
- » With non-uniform pitch and centre cut
- » Cutting edge length 4xd

MATERIAL

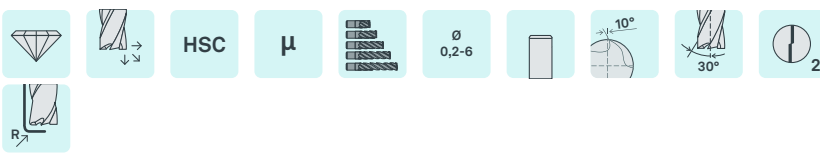
» Carbide, polished



d	No.	EUR	%
6	WZF 12868/ 6	45.00	27.00
8	WZF 12868/ 8	62.50	38.00
10	WZF 12868/10	86.50	52.00

d	No.	EUR	%
12	WZF 12868/12	113.00	68.00
16	WZF 12868/16	211.00	127.00
20	WZF 12868/20	321.00	191.00

CARBIDE 3D TORUS MILLING CUTTER FOR GRAPHITE, RELIEVED **WZF 27996**



PRODUCT DESCRIPTION

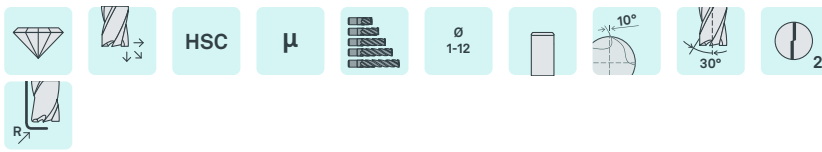
- » with highest precision in the μ range
- » For highly precise contours and perfect concentricity
- » High-performance milling cutter for graphite

MATERIAL

- » Carbide, diamond coated

d	l2	R	No.	EUR	%
0.2	0.6	0.02	WZF 27996/0,2/ 0,6/0,02	87.50	66.00
0.2	1.5	0.02	WZF 27996/0,2/ 1,5/0,02	87.50	66.00
0.3	3	0.02	WZF 27996/0,3/ 3 /0,02	84.00	63.00
0.4	4	0.04	WZF 27996/0,4/ 4 /0,04	84.00	63.00
0.5	3.5	0.05	WZF 27996/0,5/ 3,5/0,05	82.50	62.00
0.5	5	0.05	WZF 27996/0,5/ 5 /0,05	82.50	62.00
0.5	7.5	0.05	WZF 27996/0,5/ 7,5/0,05	82.50	62.00
0.6	3	0.06	WZF 27996/0,6/ 3 /0,06	80.50	60.00
0.6	6	0.06	WZF 27996/0,6/ 6 /0,06	80.50	60.00
0.6	9	0.06	WZF 27996/0,6/ 9 /0,06	80.50	60.00
0.8	4	0.08	WZF 27996/0,8/ 4 /0,08	78.50	59.00
0.8	8	0.08	WZF 27996/0,8/ 8 /0,08	78.50	59.00
0.8	12	0.08	WZF 27996/0,8/12 /0,08	78.50	59.00
1	5	0.1	WZF 27996/1 / 5 /0,1	78.50	59.00
1	10	0.1	WZF 27996/1 /10 /0,1	78.50	59.00
1	15	0.1	WZF 27996/1 /15 /0,1	78.50	59.00
1	20	0.1	WZF 27996/1 /20 /0,1	78.50	59.00
1.2	10	0.12	WZF 27996/1,2/10 /0,12	78.50	59.00
1.2	15	0.12	WZF 27996/1,2/15 /0,12	78.50	59.00
1.5	10	0.15	WZF 27996/1,5/10 /0,15	78.50	59.00
1.5	15	0.15	WZF 27996/1,5/15 /0,15	78.50	59.00
1.5	20	0.15	WZF 27996/1,5/20 /0,15	78.50	59.00
2	6	0.2	WZF 27996/2 / 6 /0,2	78.50	59.00
2	12	0.2	WZF 27996/2 /12 /0,2	78.50	59.00
2	18	0.2	WZF 27996/2 /18 /0,2	78.50	59.00
2	20	0.2	WZF 27996/2 /20 /0,2	78.50	59.00
2	24	0.2	WZF 27996/2 /24 /0,2	78.50	59.00
2	30	0.2	WZF 27996/2 /30 /0,2	78.50	59.00

d	l2	R	No.	EUR	%
2	12	0.5	WZF 27996/2 /12 /0,5	78.50	59.00
2	18	0.5	WZF 27996/2 /18 /0,5	78.50	59.00
2	20	0.5	WZF 27996/2 /20 /0,5	78.50	59.00
2	24	0.5	WZF 27996/2 /24 /0,5	78.50	59.00
2	30	0.5	WZF 27996/2 /30 /0,5	78.50	59.00
3	12	0.3	WZF 27996/3 /12 /0,3	95.50	72.00
3	18	0.3	WZF 27996/3 /18 /0,3	95.50	72.00
3	24	0.3	WZF 27996/3 /24 /0,3	95.50	72.00
3	30	0.3	WZF 27996/3 /30 /0,3	95.50	72.00
3	45	0.3	WZF 27996/3 /45 /0,3	113.00	85.00
3	12	0.5	WZF 27996/3 /12 /0,5	95.50	72.00
3	18	0.5	WZF 27996/3 /18 /0,5	95.50	72.00
3	24	0.5	WZF 27996/3 /24 /0,5	95.50	72.00
3	30	0.5	WZF 27996/3 /30 /0,5	95.50	72.00
3	45	0.5	WZF 27996/3 /45 /0,5	113.00	85.00
4	12	0.5	WZF 27996/4 /12 /0,5	95.50	72.00
4	24	0.5	WZF 27996/4 /24 /0,5	95.50	72.00
4	30	0.5	WZF 27996/4 /30 /0,5	95.50	72.00
4	40	0.5	WZF 27996/4 /40 /0,5	113.00	85.00
5	30	0.5	WZF 27996/5 /30 /0,5	95.50	72.00
5	40	0.5	WZF 27996/5 /40 /0,5	95.50	72.00
5	50	0.5	WZF 27996/5 /50 /0,5	113.00	85.00
6	18	0.5	WZF 27996/6 /18 /0,5	95.50	72.00
6	20	0.5	WZF 27996/6 /20 /0,5	95.50	72.00
6	30	0.5	WZF 27996/6 /30 /0,5	95.50	72.00
6	45	0.5	WZF 27996/6 /45 /0,5	113.00	85.00
6	60	0.5	WZF 27996/6 /60 /0,5	113.00	85.00

CARBIDE 3D TORUS MILLING CUTTER FOR GRAPHITE, RELIEVED
WZF 279967

PRODUCT DESCRIPTION

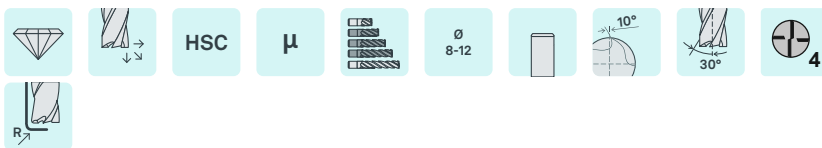
- » with highest precision in the μ range
- » For highly precise contours and perfect concentricity
- » High-performance milling cutter for graphite
- » Especially for finish milling with extremely short cutting edges

MATERIAL

- » Carbide, diamond coated

d	l2	R	No.	EUR	%
1	10	0.1	WZF 279967/ 1/10/0,1	76.00	57.00
2	12	0.3	WZF 279967/ 2/12/0,3	81.50	61.00
2	12	0.5	WZF 279967/ 2/12/0,5	81.50	61.00
2	24	0.3	WZF 279967/ 2/24/0,3	81.50	61.00
2	24	0.5	WZF 279967/ 2/24/0,5	81.50	61.00
3	18	0.1	WZF 279967/ 3/18/0,1	96.00	72.00
3	30	0.3	WZF 279967/ 3/30/0,3	96.00	72.00
3	18	0.5	WZF 279967/ 3/18/0,5	96.00	72.00
3	30	0.1	WZF 279967/ 3/30/0,1	96.00	72.00
4	30	0.2	WZF 279967/ 4/30/0,2	90.50	68.00
4	30	0.3	WZF 279967/ 4/30/0,3	90.50	68.00
4	30	0.5	WZF 279967/ 4/30/0,5	90.50	68.00

d	l2	R	No.	EUR	%
6	45	0.3	WZF 279967/ 6/45/0,3	107.00	80.00
6	45	0.5	WZF 279967/ 6/45/0,5	107.00	80.00
6	45	1	WZF 279967/ 6/45/1	107.00	80.00
8	40	0.5	WZF 279967/ 8/40/0,5	178.00	134.00
8	40	1	WZF 279967/ 8/40/1	178.00	134.00
8	60	0.5	WZF 279967/ 8/60/0,5	178.00	134.00
8	60	1	WZF 279967/ 8/60/1	178.00	134.00
8	85	0.5	WZF 279967/ 8/85/0,5	178.00	134.00
10	70	0.5	WZF 279967/10/70/0,5	242.00	180.00
10	70	1	WZF 279967/10/70/1	242.00	180.00
12	70	1	WZF 279967/12/70/1	307.00	227.00

CARBIDE 3D TORUS MILLING CUTTER FOR GRAPHITE, RELIEVED
WZF 27998

PRODUCT DESCRIPTION

- » with highest precision in the μ range
- » For highly precise contours and perfect concentricity
- » High-performance milling cutter for graphite

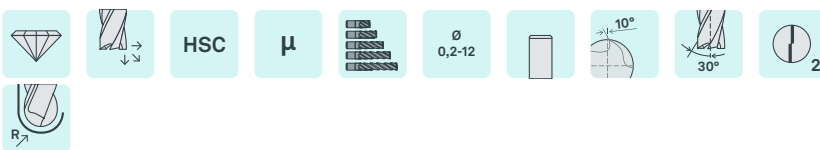
MATERIAL

- » Carbide, diamond coated

d	l2	R	No.	EUR	%
8	30	0.5	WZF 27998/8 /30 /0,5	170.00	119.00
8	30	1	WZF 27998/8 /30 / 1	172.00	120.00
8	60	0.5	WZF 27998/8 /60 /0,5	194.00	135.00
8	60	1	WZF 27998/8 /60 / 1	194.00	135.00
8	80	0.5	WZF 27998/8 /80 /0,5	209.00	145.00
8	80	1	WZF 27998/8 /80 / 1	210.00	147.00
10	35	0.5	WZF 27998/10/35 /0,5	210.00	147.00
10	35	1	WZF 27998/10/35 / 1	210.00	147.00
10	60	0.5	WZF 27998/10 /60 /0,5	217.00	147.00

d	l2	R	No.	EUR	%
10	60	1	WZF 27998/10 /60 / 1	217.00	147.00
10	80	0.5	WZF 27998/10 /80 /0,5	233.00	162.00
10	80	1	WZF 27998/10 /80 / 1	243.00	170.00
12	40	0.5	WZF 27998/12 /40 /0,5	252.00	176.00
12	40	1	WZF 27998/12 /40 / 1	252.00	176.00
12	60	0.5	WZF 27998/12 /60 /0,5	267.00	183.00
12	60	1	WZF 27998/12 /60 / 1	267.00	183.00
12	80	0.5	WZF 27998/12 /80 /0,5	284.00	199.00
12	80	1	WZF 27998/12 /80 / 1	295.00	195.00

CARBIDE 3D FULL-RADIUS MILLING CUTTER FOR GRAPHITE, RELIEVED WZF 28996



PRODUCT DESCRIPTION

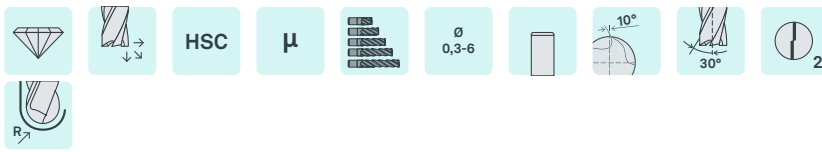
- » High-performance milling cutter for graphite
- » with highest precision in the μ range
- » For highly precise contours and perfect concentricity

MATERIAL

- » Carbide, diamond coated

d	l2	No.	EUR	%
0.2	0.6	WZF 28996/0,2/ 0,6	87.50	63.00
0.2	1	WZF 28996/0,2/ 1	87.50	63.00
0.2	1.5	WZF 28996/0,2/ 1,5	87.50	63.00
0.3	1	WZF 28996/0,3/ 1	84.00	60.00
0.3	1.5	WZF 28996/0,3/ 1,5	84.00	60.00
0.3	3	WZF 28996/0,3/ 3	84.00	60.00
0.3	4.5	WZF 28996/0,3/ 4,5	84.00	60.00
0.4	2	WZF 28996/0,4/ 2	84.00	60.00
0.4	4	WZF 28996/0,4/ 4	84.00	60.00
0.4	6	WZF 28996/0,4/ 6	84.00	60.00
0.4	8	WZF 28996/0,4/ 8	84.00	60.00
0.5	2.5	WZF 28996/0,5/ 2,5	82.50	59.00
0.5	3.5	WZF 28996/0,5/ 3,5	82.50	59.00
0.5	5	WZF 28996/0,5/ 5	82.50	59.00
0.5	7.5	WZF 28996/0,5/ 7,5	82.50	59.00
0.5	10	WZF 28996/0,5/10	82.50	59.00
0.6	3	WZF 28996/0,6/ 3	80.50	58.00
0.6	6	WZF 28996/0,6/ 6	80.50	58.00
0.6	9	WZF 28996/0,6/ 9	80.50	58.00
0.6	11	WZF 28996/0,6/11	80.50	58.00
0.8	4	WZF 28996/0,8/ 4	78.50	57.00
0.8	8	WZF 28996/0,8/ 8	78.50	57.00
0.8	12	WZF 28996/0,8/12	78.50	57.00
1	5	WZF 28996/1 / 5	78.50	57.00
1	10	WZF 28996/1 /10	78.50	57.00
1	15	WZF 28996/1 /15	78.50	57.00
1	20	WZF 28996/1 /20	78.50	57.00
1	25	WZF 28996/1 /25	78.50	57.00
1.2	10	WZF 28996/1,2/10	78.50	57.00
1.2	15	WZF 28996/1,2/15	78.50	57.00

d	l2	No.	EUR	%
1.5	5	WZF 28996/1,5/ 5	78.50	57.00
1.5	10	WZF 28996/1,5/10	78.50	57.00
1.5	15	WZF 28996/1,5/15	78.50	57.00
1.5	20	WZF 28996/1,5/20	78.50	57.00
2	12	WZF 28996/2 /12	78.50	57.00
2	18	WZF 28996/2 /18	78.50	57.00
2	20	WZF 28996/2 /20	78.50	57.00
2	24	WZF 28996/2 /24	78.50	57.00
2	30	WZF 28996/2 /30	78.50	57.00
3	12	WZF 28996/3 /12	95.50	69.00
3	18	WZF 28996/3 /18	95.50	69.00
3	24	WZF 28996/3 /24	95.50	69.00
3	30	WZF 28996/3 /30	95.50	69.00
3	45	WZF 28996/3 /45	113.00	81.00
4	12	WZF 28996/4 /12	95.50	69.00
4	24	WZF 28996/4 /24	95.50	69.00
4	30	WZF 28996/4 /30	95.50	69.00
4	40	WZF 28996/4 /40	113.00	81.00
5	30	WZF 28996/5 /30	95.50	69.00
5	50	WZF 28996/5 /50	113.00	81.00
6	20	WZF 28996/6 /20	95.50	69.00
6	30	WZF 28996/6 /30	95.50	69.00
6	45	WZF 28996/6 /45	113.00	81.00
6	60	WZF 28996/6 /60	113.00	81.00
8	30	WZF 28996/8 /30	156.00	110.00
8	80	WZF 28996/8 /80	193.00	139.00
10	30	WZF 28996/10 /30	180.00	130.00
10	80	WZF 28996/10 /80	211.00	152.00
12	80	WZF 28996/12 /80	252.00	179.00

CARBIDE 3D FULL-RADIUS MILLING CUTTER FOR GRAPHITE, RELIEVED
WZF 289967

PRODUCT DESCRIPTION

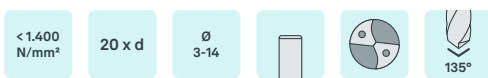
- » High-performance milling cutter for graphite
- » with highest precision in the μ range
- » For highly precise contours and perfect concentricity
- » Especially for finish milling with extremely short cutting edges

MATERIAL

- » Carbide, diamond coated

d	l2	No.	EUR	%
0.3	3	WZF 289967/ 0,3/ 3	98.00	74.00
0.4	4	WZF 289967/ 0,4/ 4	98.00	74.00
0.5	5	WZF 289967/ 0,5/ 5	85.50	64.00
0.6	3	WZF 289967/ 0,6/ 3	85.50	64.00
0.6	6	WZF 289967/ 0,6/ 6	85.50	64.00
0.8	4	WZF 289967/ 0,8/ 4	85.50	64.00
0.8	8	WZF 289967/ 0,8/ 8	85.50	64.00
1	5	WZF 289967/ 1 / 5	82.50	62.00
1	10	WZF 289967/ 1 /10	82.50	62.00
1	15	WZF 289967/ 1 /15	82.50	62.00
1	20	WZF 289967/ 1 /20	82.50	62.00
1.5	10	WZF 289967/ 1,5/10	82.50	62.00

d	l2	No.	EUR	%
1.5	15	WZF 289967/ 1,5/15	82.50	62.00
2	12	WZF 289967/ 2 /12	89.50	67.00
2	18	WZF 289967/ 2 /18	89.50	67.00
2	20	WZF 289967/ 2 /20	89.50	67.00
2	24	WZF 289967/ 2 /24	89.50	67.00
3	18	WZF 289967/ 3 /18	105.00	79.00
3	24	WZF 289967/ 3 /24	105.00	79.00
3	30	WZF 289967/ 3 /30	105.00	79.00
4	30	WZF 289967/ 4 /30	98.00	74.00
4	40	WZF 289967/ 4 /40	105.00	79.00
6	45	WZF 289967/ 6 /45	130.00	95.00

CARBIDE DRILL WITH INNER COOLANT SUPPLY, 20XD
WZB 10229

PRODUCT DESCRIPTION

- » High-performance drill with parabolic slot profile

MATERIAL

- » Carbide, TiAlN coated



d	No.	EUR	%
3	WZB 10229/ 3	171.00	102.00
3.5	WZB 10229/ 3,5	207.00	123.00
4	WZB 10229/ 4	207.00	123.00
4.5	WZB 10229/ 4,5	236.00	142.00
5	WZB 10229/ 5	236.00	142.00
5.5	WZB 10229/ 5,5	270.00	162.00
6	WZB 10229/ 6	270.00	162.00
6.5	WZB 10229/ 6,5	342.00	204.00

d	No.	EUR	%
7	WZB 10229/ 7	342.00	204.00
8	WZB 10229/ 8	342.00	204.00
8.5	WZB 10229/ 8,5	414.00	246.00
9	WZB 10229/ 9	414.00	246.00
10	WZB 10229/10	421.00	251.00
11	WZB 10229/11	564.00	334.00
12	WZB 10229/12	565.00	339.00
14	WZB 10229/14	733.00	442.00

SET: HSS DRILLS DIN 338 **WZB 30213/SET**

< 1.100 N/mm²
S length
∅ 1-10,5
DIN 338






PRODUCT DESCRIPTION

- » Can be used as pilot hole or core hole drill
- » High-performance drill with parabolic slot profile

MATERIAL

- » HSS, TiN coated

d	Type	No.	EUR
1-10,5	Set 1-10KB	WZB 30213/Set1-10KB	140.00 101.00
1-5,9	Set 1-5,9	WZB 30213/Set1-5,9	192.00 135.00
6-10	Set 6-10	WZB 30213/Set6-10	343.00 245.00

SET: HSS COUNTERSINKS 90° **WZB 31722/SET**

< 1.100 N/mm²
∅ 6,3-20,5





PRODUCT DESCRIPTION

- » For deburring and countersinking

MATERIAL

- » HSS

Type	No.	EUR
Set 6,3-20,5	WZB 31722/Set6,3-20,5	121.00 85.00

SET: HSS-E METRIC THREAD TAPS FOR BLIND HOLE & HSS DRILLS **WZG 341217/SET**

M

< 1.300 N/mm²
M3-M12
DIN 371





PRODUCT DESCRIPTION

- » For ISO metric threads

MATERIAL

- » HSS-E (5% Co), TiAlN coated

d	Type	No.	EUR
3-12	Set 3-12 KB	WZG 341217/Set 3-12 KB	253.00 177.00

CARBIDE HIGH-PERFORMANCE REAMER FOR THROUGH HOLES H7
WZR 102520

PRODUCT DESCRIPTION

- » Bore tolerance H7
- » For soft and hardened steel up to 65 HRC
- » Excellent performance and process reliability

MATERIAL

- » Carbide, TiAlN multi-layer coated



d	No.	EUR	%
2	WZR 102520/ 2	112.00 69.00	
3	WZR 102520/ 3	95.50 59.00	
4	WZR 102520/ 4	95.50 59.00	

d	No.	EUR	%
5	WZR 102520/ 5	108.00 67.00	
6	WZR 102520/ 6	111.00 69.00	
8	WZR 102520/ 8	126.00 77.00	

d	No.	EUR	%
10	WZR 102520/10	180.00 112.00	
12	WZR 102520/12	230.00 142.00	


CARBIDE HIGH-PERFORMANCE REAMER, FINISHED SIZE
WZR 102522

PRODUCT DESCRIPTION

- » Tool tolerance 0/+0.005
- » For soft and hardened steel up to 65 HRC
- » Excellent performance and process reliability

MATERIAL

- » Carbide, TiAlN multi-layer coated



d	No.	EUR	%
1.98	WZR 102522/ 1,98	95.00 59.00	
1.99	WZR 102522/ 1,99	95.00 59.00	
2	WZR 102522/ 2,00	95.00 59.00	
2.01	WZR 102522/ 2,01	95.00 59.00	
2.02	WZR 102522/ 2,02	95.00 59.00	
2.98	WZR 102522/ 2,98	102.00 63.00	
2.99	WZR 102522/ 2,99	102.00 63.00	
3	WZR 102522/ 3,00	102.00 63.00	
3.01	WZR 102522/ 3,01	102.00 63.00	
3.02	WZR 102522/ 3,02	102.00 63.00	
3.98	WZR 102522/ 3,98	102.00 63.00	
3.99	WZR 102522/ 3,99	102.00 63.00	
4	WZR 102522/ 4,00	102.00 63.00	
4.01	WZR 102522/ 4,01	102.00 63.00	

d	No.	EUR	%
4.02	WZR 102522/ 4,02	102.00 63.00	
4.98	WZR 102522/ 4,98	108.00 67.00	
4.99	WZR 102522/ 4,99	108.00 67.00	
5	WZR 102522/ 5,00	108.00 67.00	
5.01	WZR 102522/ 5,01	108.00 67.00	
5.02	WZR 102522/ 5,02	108.00 67.00	
5.98	WZR 102522/ 5,98	105.00 65.00	
5.99	WZR 102522/ 5,99	105.00 65.00	
6	WZR 102522/ 6,00	105.00 65.00	
6.01	WZR 102522/ 6,01	105.00 65.00	
6.02	WZR 102522/ 6,02	105.00 65.00	
7.98	WZR 102522/ 7,98	126.00 77.00	
7.99	WZR 102522/ 7,99	126.00 77.00	
8	WZR 102522/ 8,00	126.00 77.00	

d	No.	EUR	%
8.01	WZR 102522/ 8,01	126.00 77.00	
8.02	WZR 102522/ 8,02	126.00 77.00	
9.98	WZR 102522/ 9,98	159.00 96.00	
9.99	WZR 102522/ 9,99	159.00 96.00	
10	WZR 102522/10,00	159.00 96.00	
10.01	WZR 102522/10,01	159.00 96.00	
10.02	WZR 102522/10,02	159.00 96.00	
11.98	WZR 102522/11,98	224.00 137.00	
11.99	WZR 102522/11,99	224.00 137.00	
12	WZR 102522/12,00	224.00 137.00	
12.01	WZR 102522/12,01	224.00 137.00	
12.02	WZR 102522/12,02	224.00 137.00	





CLAMPING EQUIPMENT



SHORT DRILL CHUCK, DIN 69871 HWZ 2273

ISO 7388-1	DIN 69871	Form A	G 6.3 25000 min ⁻¹	
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PRODUCT DESCRIPTION

- » Suitable for clockwise and counter clockwise rotation
- » With Balluff chip hole

SCOPE OF DELIVERY

- » Includes hexagon key and user manual



Interface	d1	A	No.	EUR	
SK 40	0.5-13	90	HWZ 2273/SK40/0,5-13/ 90	300.00	204.00
SK 40	2.5-16	95	HWZ 2273/SK40/2,5-16/ 95	326.00	228.00

SHORT DRILL CHUCK, DIN 69893 HWZ 1173

ISO 12164-1	DIN 69893	Form A	G 6.3 25000 min ⁻¹	
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PRODUCT DESCRIPTION

- » Suitable for clockwise and counter clockwise rotation
- » With Balluff chip hole

SCOPE OF DELIVERY

- » Includes hexagon key and user manual



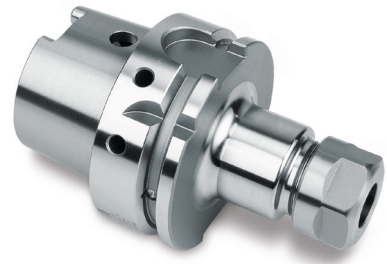
Interface	d1	A	No.	EUR	
HSK-A 63	0.5-13	104	HWZ 1173/HSK-A 63/0,5-13/104	371.00	259.00
HSK-A 63	2.5-16	109	HWZ 1173/HSK-A 63/2,5-16/109	381.00	267.00

ER COLLET CHUCK, DIN 69893 **HWZ 1119**

ISO 12164-1	DIN 69893	DIN 69882-6	Form A	G 2.5 25000 min ⁻¹	≤3µm	HSC
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PRODUCT DESCRIPTION

- » Optimal running smoothness due to hard turned shanks
- » Hard reworked puller grooves, HSK shoulder and HSK ejection surface
- » With length adjustment thread (without adjusting screw)
- » With Balluff chip hole



RECOMMENDATION FOR USE

- » For clamping tools with cylindrical shank in ER collets

SCOPE OF DELIVERY

- » Includes clamping nut

Interface	ER	A	No.	EUR	%
HSK-A 63	16	75	HWZ 1119/HSK-A 63/16/ 75	433.00	95.00
HSK-A 63	25	75	HWZ 1119/HSK-A 63/25/ 75	434.00	96.00
HSK-A 63	32	75	HWZ 1119/HSK-A 63/32/ 75	436.00	98.00

ER COLLET CHUCK, DIN 69871 **HWZ 2219**

ISO 7388-1	DIN 69871	Form AD/AF	G 2.5 25000 min ⁻¹	≤3µm	HSC
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PRODUCT DESCRIPTION

- » Optimal running smoothness due to hard turned shanks
- » Bored through hole (without adjusting screw)
- » With Balluff chip hole



RECOMMENDATION FOR USE

- » For clamping tools with cylindrical shank in ER collets

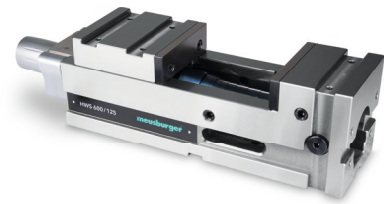
SCOPE OF DELIVERY

- » Includes clamping nut

Interface	ER	A	No.	EUR	%
SK 40	16	70	HWZ 2219/SK40/16/ 70	78.00	60.00
SK 40	25	70	HWZ 2219/SK40/25/ 70	79.50	63.00
SK 40	32	70	HWZ 2219/SK40/32/ 70	80.50	63.00

HIGH-PRESSURE MECHANICAL VICE, ALL SURFACES GROUND **HWS 600**
PRODUCT DESCRIPTION

- » Version R with regulator for presetting the clamping force
- » All surfaces ground with a parallelism of 0.02 mm, therefore ideal for horizontal and vertical machining
- » Compact and stable monoblock body from GGG-70 which maintains its total length
- » Easy to clean through fully enclosed spindle and additional side window
- » Accuracy of 0.01 mm in clamping repeatability


SCOPE OF DELIVERY

- » HWS 5602 Clamping jaws (2 pcs.)
- » HWS 5660 Clamping shoes (4 Pcs.)
- » HWS 5670 Handle

SK	b	No.	EUR	
40	125	HWS 600R/125	3,025.00	2,142.00
50	160	HWS 600R/160	4,234.00	3,018.00

STEPPED JAW WITH CLAWS **HWS 5610**
PRODUCT DESCRIPTION

- » Suitable for HWS 500, HWS 600 and HWS 650

MATERIAL

- » 1.2510 hardened

SCOPE OF DELIVERY

- » 1 clamping jaw
- » Including screws



b	No.	EUR	
125	HWS 5610/125	319.00	221.00
160	HWS 5610/160	380.00	260.00

STEPPED JAW **HWS 5606**
PRODUCT DESCRIPTION

- » Suitable for HWS 500, HWS 600 and HWS 650

MATERIAL

- » 1.2510 hardened

SCOPE OF DELIVERY

- » 1 clamping jaw
- » Including screws





b	No.	EUR	
125	HWS 5606/125	201.00	145.00
160	HWS 5606/160	232.00	170.20



POWER CLAMP FOR INJECTION MOULDING **HWS 100**

PRODUCT DESCRIPTION

- » Easy positioning of each clamping element
- » Quick clamping of injection moulds onto injection moulding machines
- » Robust design made from forged and tempered steel



SK	b	 Pcs./PU	No.	EUR	
16	38	1	HWS 100/16/10	231.00	158.00
16	38	4	HWS 100/16/10/Set-4	748.00	504.00
16	38	1	HWS 100/16/12	236.00	161.00
16	38	4	HWS 100/16/12/Set-4	767.00	504.00
20	48	1	HWS 100/20/12	251.00	170.00
20	48	4	HWS 100/20/12/Set-4	817.00	550.00
20	48	1	HWS 100/20/16	257.00	177.00
20	48	4	HWS 100/20/16/Set-4	831.00	565.00
25	55	1	HWS 100/25/16	273.00	184.00

SK	b	 Pcs./PU	No.	EUR	
25	55	4	HWS 100/25/16/Set-4	891.00	600.00
25	55	1	HWS 100/25/18	274.00	185.00
25	55	4	HWS 100/25/18/Set-4	895.00	606.00
25	55	1	HWS 100/25/20	279.00	190.00
25	55	4	HWS 100/25/20/Set-4	912.00	626.00
55	74	1	HWS 100/55/20	497.00	339.00
55	74	4	HWS 100/55/20/Set-4	1,617.00	1,096.00
55	74	1	HWS 100/55/24	503.00	343.00
55	74	4	HWS 100/55/24/Set-4	1,643.00	1,122.00

PRODUCT RECOMMENDATION



TORQUE WRENCH WITH REVERSIBLE RATCHET

V 36002

44



WHITE ASSEMBLY PASTE

VAP 1000

35

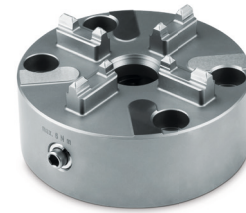
QUICK-ACTION CLAMPING CHUCK FOR ITS-50/ITS-100, THREADED COUPLING HER 3032
PRODUCT DESCRIPTION

- » Compatible with ITS-50 and ITS-100 adapters
- » Fast and process-reliable clamping via the threaded coupling
- » Ideal for electrode machining
- » Max. tightening torque 6 Nm

MATERIAL

- » 1.2083

d	No.	EUR	
100	HER 3032/100	1,234.00	848.00

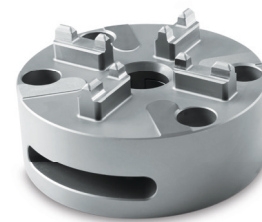

QUICK-ACTION CLAMPING CHUCK FOR ITS-50/ITS-100, HAND CHUCK HER 3030
PRODUCT DESCRIPTION

- » Compatible with ITS-50 and ITS-100 adapters
- » With quick clamping function
- » Includes hand chuck

MATERIAL

- » 1.2083

d	No.	EUR	
100	HER 3030/100	1,195.00	842.00

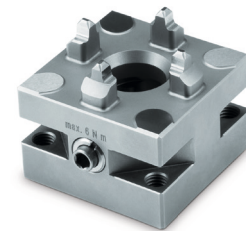

QUICK-ACTION CLAMPING CHUCK FOR ITS-50, THREADED COUPLING HER 3012
PRODUCT DESCRIPTION

- » Compatible with ITS-50
- » Fast and process-reliable clamping via the threaded coupling
- » Ideal for electrode machining
- » Max. tightening torque 6 Nm

MATERIAL

- » 1.2083

b	No.	EUR	
55.6	HER 3012/55,6	882.00	620.40

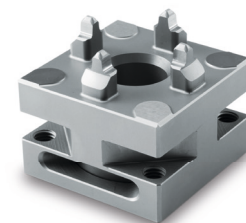

QUICK-ACTION CLAMPING CHUCK FOR ITS-50, HAND CHUCK HER 3010
PRODUCT DESCRIPTION

- » Compatible with ITS-50
- » With quick clamping function
- » Includes hand chuck

MATERIAL

- » 1.2083

b	No.	EUR	
55.6	HER 3010/55,6	850.00	599.00



QUICK-ACTION CLAMPING CHUCK 75, THREADED COUPLING ON CLAMPING CUBE **HER 3535**

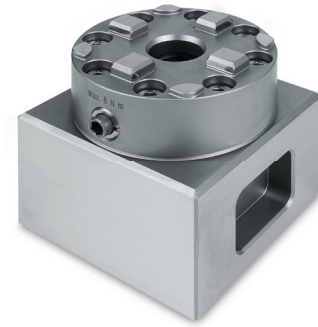
PRODUCT DESCRIPTION

- » Vertical and horizontal mounting on the machine table possible
- » 3 sides ground
- » HER 1912 clamping spigot WEDM for clamping operations required
- » Max. tightening torque 6 Nm

MATERIAL

- » 1.2083

d	No.	EUR	
75	HER 3535/75	1,520.00 919.60	



QUICK-ACTION CLAMPING CHUCK 75, THREADED COUPLING **HER 3534**

PRODUCT DESCRIPTION

- » Low overall height
- » HER 1912 clamping spigot WEDM for clamping operations required
- » Max. tightening torque 6 Nm

MATERIAL

- » 1.2083

d	No.	EUR	
75	HER 3534/75	900.00 559.60	



PRODUCT RECOMMENDATION



REDUCTION SLEEVE FOR ELECTRODE HOLDER, SQUARE, ADJUSTABLE
HER 1840 29



ELECTRODE HOLDER, SQUARE, ADJUSTABLE, BRASS
HER 1412 29



ELECTRODE HOLDER, SQUARE, ALUMINIUM **HER 1672**
PRODUCT DESCRIPTION



- » Compatible with ITS-50
- » Prepared for chip encoding
- » Includes fastening screws

MATERIAL

- » 3.3547



b3	 Pcs./PU	No.	EUR 	
10	1	HER 1672/10	34.00	24.00
10	12	HER 1672/10/Set-12	366.00	254.00
15	1	HER 1672/15	34.00	24.00
15	12	HER 1672/15/Set-12	366.00	254.00

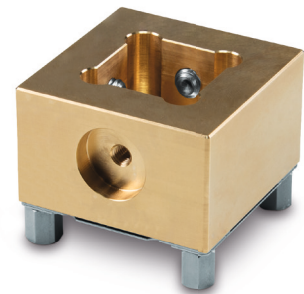
b3	 Pcs./PU	No.	EUR 	
20	1	HER 1672/20	34.00	24.00
20	12	HER 1672/20/Set-12	366.00	254.00
25	1	HER 1672/25	34.00	24.00
25	12	HER 1672/25/Set-12	366.00	254.00



ELECTRODE HOLDER, SQUARE, BRASS **HER 1472**
PRODUCT DESCRIPTION



- » Compatible with ITS-50
- » Prepared for chip encoding
- » Includes fastening screws

MATERIAL

- » 2.0401



b3	 Pcs./PU	No.	EUR 	
10	1	HER 1472/10	46.40	32.00
10	12	HER 1472/10/Set-12	472.00	327.00
15	1	HER 1472/15	46.40	32.00
15	12	HER 1472/15/Set-12	472.00	327.00

b3	 Pcs./PU	No.	EUR 	
20	1	HER 1472/20	46.40	32.00
20	12	HER 1472/20/Set-12	472.00	327.00
25	1	HER 1472/25	46.40	32.00
25	12	HER 1472/25/Set-12	472.00	327.00

ELECTRODE HOLDER, SQUARE, ADJUSTABLE, BRASS **HER 1412**

PRODUCT DESCRIPTION

» Compatible with ITS-50

MATERIAL

» Head: 1.2083, Base: 2.0401

b2	No.	EUR	
15	HER 1412/15	292.00	195.00
25	HER 1412/25	340.00	233.00



REDUCTION SLEEVE FOR ELECTRODE HOLDER, SQUARE, ADJUSTABLE **HER 1840**

PRODUCT DESCRIPTION

- » Reduction sleeve for electrode holder, square, adjustable
- » Compatible with HER 1112/ 25, HER 1118/ 25, HER 1212/ 25 and HER 1412/ 25
- » For clamping round copper electrodes

MATERIAL

» 1.2083



d	No.	EUR	
6	HER 1840/ 6	22.00	19.90
7	HER 1840/ 7	22.00	19.90
8	HER 1840/ 8	22.00	19.90
9	HER 1840/ 9	22.00	19.90
10	HER 1840/10	22.00	19.90

d	No.	EUR	
12	HER 1840/12	22.00	19.90
14	HER 1840/14	22.00	19.90
16	HER 1840/16	22.00	19.90
18	HER 1840/18	22.00	19.90
20	HER 1840/20	22.00	19.90

CLAMPING SPIGOT WITHOUT RINSE HOLE **HER 1805**

PRODUCT DESCRIPTION

- » Compatible with the ITS system
- » Suitable for automatic change
- » Suitable for EDM and light machining work

Pcs./PU	No.	EUR	
1	HER 1805/ 1	29.90	21.00
12	HER 1805/12	339.00	235.10
50	HER 1805/50	1,344.00	924.00



EDM ACCESSORIES



ROD ELECTRODE ROUND, COPPER V 91411

MATERIAL

» 2.0060 (E-Cu 57)



D	L	No.	EUR	%
6	505	V 91411/ 6/505	7.60 5.50	
7	505	V 91411/ 7/505	8.40 6.00	
8	505	V 91411/ 8/505	9.30 6.80	
9	505	V 91411/ 9/505	11.30 8.00	
10	505	V 91411/ 10/505	13.30 9.50	

D	L	No.	EUR	%
12	505	V 91411/ 12/505	18.20 13.00	
14	505	V 91411/ 14/505	24.10 17.50	
16	505	V 91411/ 16/505	31.00 22.00	
18	505	V 91411/ 18/505	38.60 28.00	
20	505	V 91411/ 20/505	47.20 34.00	

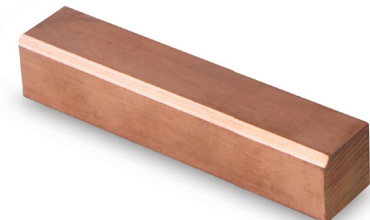
SQUARE COPPER ELECTRODE WITH CHAMFER, DRAWN V 91570

PRODUCT DESCRIPTION

» Square and drawn with through chamfer, length sawn

MATERIAL

» 2.0060 (E-Cu 57)



B	H	L	No.	EUR	%
15	15	75	V 91570/15 15/75	7.75 5.30	
25	25	80	V 91570/25 25/80	18.80 12.90	





from € **18.70**

Thread sealant, medium strength and medium viscosity VBA 5M42

They stick to their word!

Reliable bonding with anaerobic adhesives

Anaerobic adhesives

Anaerobic adhesives are used to completely fill the gap between different components. They seal and fasten mechanical connections. Our range includes thread sealants, threadlockers and retaining compounds.

How do anaerobic adhesives work?

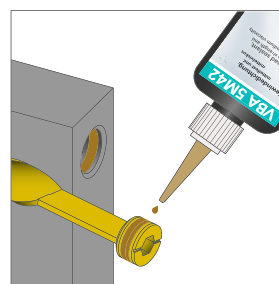
The components need to be thoroughly cleaned before the adhesive is applied. We recommend using our express cleaner VCG 10, which enables quick and efficient dirt removal.

Anaerobic adhesives remain liquid until they come into contact with active metal ions in the absence of air. They are very strong and temperature resistant. At room temperature, the curing time

for fixture is just a few minutes and full strength is normally reached after 24 hours.

How to seal threads

In order to seal a threaded joint, the adhesive is applied on both the male and the female thread in order to ensure optimal distribution and sealing.





PLAY IT SAFE



from € **19.40**

Threadlocker, medium strength
VBA 2M43

Read more from page **34**

EXPERTISE



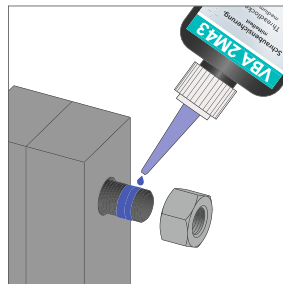
When adhesives are used, the distinction between active and passive materials plays an important role.

Active materials are high in iron or copper and can release a high number of metal ions, which leads to short curing times.

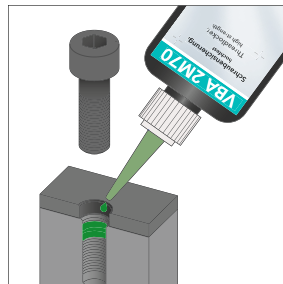
Passive materials, on the other hand, are either metallic materials with a low catalytic effect or non-metallic. They can only release a few or no ions, so that the adhesive cures very slowly or not at all.

How to lock screws

To lock screws in through holes, the screw is first inserted into the hole. Then, going round and round, the adhesive is applied directly on the thread.



If the screw is to be locked in a blind threaded hole, the adhesive should be applied circumferentially on the thread inside the hole. This guarantees an optimal distribution of the adhesive on the thread.



To the video

Technical tip

www.meusburger.com/threadlocker

OPTIONALLY AVAILABLE



Industrial express cleaner
VCQ 10

Details in our portal:
www.meusburger.com/vcq10-en



THREADLOCKER, MEDIUM STRENGTH VBA 2M43
PRODUCT DESCRIPTION

Medium strength, anaerobic one-part adhesive for locking and sealing metallic screw joints that have to be disassembled using manual tools. After the setting process inside the thread is completed, the solvent-free adhesive will permanently protect the joint against loosening and rust.

ADVANTAGES

- » For threads up to M36 and gaps up to 0.25 mm
- » The connection can be disassembled using manual tools
- » Vibration and impact resistant
- » Can be used on passive materials
- » No labelling required



Content	 Pcs./PU	No.	EUR 	
50ml	1	VBA 2M43/ 1/ 50	38.00	19.40
50ml	6	VBA 2M43/ 6/ 50	194.00	97.00
50ml	12	VBA 2M43/12/ 50	388.00	194.00



THREAD SEALANT, MEDIUM STRENGTH AND MEDIUM VISCOSITY VBA 5M42
PRODUCT DESCRIPTION

Medium strength, anaerobic one-part adhesive for sealing fine metallic threaded joints such as joints used for hydraulic, pneumatic or temperature regulating systems, up to burst pressure. The adhesive/sealant is solvent-free and resistant to chemicals. After the setting process is completed, it forms a strong bond ensuring that the components are permanently sealed.

ADVANTAGES

- » For threads up to M36 and gaps up to 0.18 mm
- » The connection can be disassembled using manual tools
- » High resistance to chemicals
- » Vibration and impact resistant
- » No labelling required



Content	 Pcs./PU	No.	EUR 	
50ml	1	VBA 5M42/ 1/ 50	37.30	18.70
50ml	6	VBA 5M42/ 6/ 50	186.00	93.00
50ml	12	VBA 5M42/12/ 50	373.00	189.00

WORKSHOP CLEANER CONCENTRATE **VCW 25**

ADVANTAGES

- » Very economical through high active substance concentration
- » Special additives leave behind a temporary corrosion protection
- » Biodegradable and compatible with oil separators (Austrian Standard B 5105)

Content	Pcs./PU	No.	EUR	
5l	1	VCW 25/ 1/5000	86.50	56.00



COMPRESSED AIR SPRAYER **VZB 400**

PRODUCT DESCRIPTION

- » FKM (Viton) sealing, resistant to oil
- » EPDM sealing, resistant to cleaning agents
- » High chemical resistance by active components out of PA
- » Optimal vaporisation through adjustable nozzle

Capacity	Version	No.	EUR	
1500	EPDM	VZB 400/1500/E	43.10	25.80



FULLY SYNTHETIC LUBRICANT WITH PTFE **VLS 175**

ADVANTAGES

- » High PTFE content
- » Outstanding penetration capacity
- » High corrosion and wear protection
- » EP-additives

Content	Pcs./PU	No.	EUR	
400ml	1	VLS 175/ 1/400	26.40	18.50
400ml	12	VLS 175/12/400	293.00	200.00



WHITE ASSEMBLY PASTE **VAP 1000**

ADVANTAGES

- » Usable up to 1400°C
- » Contains neither toxic nor metallic substances
- » White coloured solid lubricants
- » Extremely pressure resistant
- » Resistant to hot water, acids and alkali
- » H1 registered

Content	No.	EUR	
250g	VAP 1000/250	21.30	14.90
750g	VAP 1000/750	48.00	33.60



LIFTING EQUIPMENT



PERMANENT LIFTING MAGNET THL 100

PRODUCT DESCRIPTION

- » Suitable for lifting flat and round material
- » Safety factor: >3
- » Neodymium magnets ensure high lifting capacity

kg max. FM	No.	EUR	
100	THL 100/ 100	482.00	265.00
250	THL 100/ 250	744.00	406.00
500	THL 100/ 500	1,055.00	585.00
1000	THL 100/1000	1,845.00	1,007.00





MEASURING EQUIPMENT

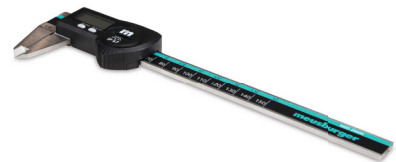
DIGITAL CALLIPER IP67
MSD 20000
PRODUCT DESCRIPTION

- » Ideal for using around machinery because of protection class IP67
- » Rapid switching from mm to inches and vice versa, in any position

SCOPE OF DELIVERY

- » Certificate of calibration, a battery (CR2032) and a plastic case

MB	TM	Pcs./PU	No.	EUR	
0-150	flat	1	MSD 20000/150/F	189.00 133.00	
0-150	Ø 1.5 mm	1	MSD 20000/150/R	189.00 133.00	



Pre-calibrated

DIGITAL DEPTH GAUGE IP67
MTD 22000
PRODUCT DESCRIPTION

- » Good readability, big LCD display
- » Completely protected against ingress of water through IP67-protection
- » Rapid switching from mm to inches and vice versa, in any position

SCOPE OF DELIVERY

- » Certificate of calibration, a battery (CR2032) and a plastic case

MB	No.	EUR	
0-150	MTD 22000/150	436.00 310.00	
0-200	MTD 22000/200	494.00 350.00	
0-300	MTD 22000/300	561.00 395.00	



Pre-calibrated



MEASURING EQUIPMENT KIT, BASIC
MSET 1100

PRODUCT DESCRIPTION

- » Classic kit for apprentices
- » Either analogue or digital callipers
- » Empty field on cover for name entry
- » With USB flash drive and writing materials
- » Empty space for MSZ 5015 Depth base



Version	No.	EUR	
Analogue	MSET 1100/3/Analog	194.00	168.00
Digital	MSET 1100/3/Digital	209.00	231.00
Digital IP67	MSET 1100/3/Digital-IP67	329.00	263.20

MEASURING EQUIPMENT KIT, PLUS
MSET 1000

PRODUCT DESCRIPTION

- » Comprehensive kit for apprentices
- » Either analogue or digital callipers
- » Empty field on cover for name entry
- » With USB flash drive and writing materials



Version	No.	EUR	
Analogue	MSET 1000/10/Analog	299.00	198.00
Digital	MSET 1000/10/Digital	402.00	266.00
Digital IP67	MSET 1000/10/Digital-IP67	453.00	307.00

MINI DIAL INDICATOR
MUA 10240

PRODUCT DESCRIPTION

- » Dial indicator in smallest design, ideal for jigs
- » Adjustable tolerance markers
- » Stainless clamping shank
- » Ideal for MAU 5004



MB	No.	EUR	
3,5	MUA 10240/3,5	121.00	88.00

ANALOGUE DIAL INDICATOR, SHOCKPROOF
MUA 12200

PRODUCT DESCRIPTION

- » Perfect for adjustment or inspection
- » High-quality shockproof and soft end stop
- » Adjustable tolerance markers
- » Lapped measuring spindle, stainless steel clamping shank



SCOPE OF DELIVERY

- » A plastic case

MB	No.	EUR	
10	MUA 12200/10	62.50	45.00

i Pre-calibrated on request

ANALOGUE LEVER DIAL INDICATOR, 0.002 MM **MFH 10400**

PRODUCT DESCRIPTION

- » For high-precision adjustment or inspection of workpieces
- » Optimal fixing through dovetail guide
- » Resistant to shocks
- » Rotatable bezel

SCOPE OF DELIVERY

- » Clamping shank, wrench and a plastic case

MB	l1	No.	EUR	
0,2	15.2	MFH 10400/0,2/15,2	147.00	109.00

i Pre-calibrated on request



HYDRAULIC MEASURING STAND MAU 4553
PRODUCT DESCRIPTION

- » Optimal for MFH Lever dial indicators and MUA Dial indicators
- » Fixed and centred through a locking screw
- » Fine adjustment at the fixture
- » Magnet with prismatic base, can be switched on and off

AR	No.	EUR	
220	MAU 4553/220	180.00	144.90
300	MAU 4553/300	248.00	186.00
400	MAU 4553/400	313.00	233.00


INFRARED TEMPERATURE MEASURING DEVICE MTM 1100
PRODUCT DESCRIPTION

- » Fast, non-contact measurement
- » Laser measurement spot marker
- » Display of min./max. values
- » External temperature probe MTM 5010 can be connected to T2 and T4
- » Optimal for plastic parts
- » Visual and acoustic alarm in case of limit violations

RECOMMENDATION FOR USE

- » The infrared temperature measuring device MTM 1100 is a universally usable infrared thermometer for contactless measuring of surface temperatures in crafts and industrial areas. A new processor and thus better resolution enable even more precise measurements: the temperature can now be measured with a tolerance of just 0.1 °C. The min./max. function allows for the display and thus better control of the limit values of the last measurement.

SCOPE OF DELIVERY

- » Certificate of calibration and a battery (9V block)
- » Calibration protocol

Optics	MB	No.	EUR	
30 : 1	-30 - +400°C	MTM 1100/830-T4	152.00	119.00


TEMPERATURE MEASURING DEVICE FOR EXTERNAL PROBES MTM 3300
PRODUCT DESCRIPTION

- » For measuring with MTM 5010 External sensor
- » All-round measuring device, with acoustic alarm
- » Display of min./max. values
- » Matching product MTM 5010 Sensor

SCOPE OF DELIVERY

- » Certificate of calibration and a battery (3 x AA)
- » Transport bag and thermal wire type K

MB	No.	EUR	
-50 - +1000°C	MTM 3300/925	116.00	90.00



SHORE HARDNESS TESTER **MHM 1211**

PRODUCT DESCRIPTION

- » Professional Shore hardness tester
- » Large display with back lighting
- » Recommended especially for internal comparison measurements



RECOMMENDATION FOR USE

- » Shore A: Rubber, elastomers, neoprene, silicone, vinyl, soft plastics, felt, leather and similar materials
- » Shore D: Plastics, synthetic resin, formica, epoxy, plexiglass, etc.

MB	Hardness type	No.	EUR	
1-100 HA	Shore A	MHM 1211/100/A	420.00	336.00
1-100 HD	Shore D	MHM 1211/100/D	420.00	336.00

HARDNESS COMPARISON PLATES **MHMZ 1110**

PRODUCT DESCRIPTION

- » Hardness comparison plates for Shore A or Shore D
- » Tolerance up to ± 2 HD
- » Suitable for Shore hardness tester models MHM 1111 and MHM 1211



n	Hardness type	No.	EUR	
3	Shore D	MHMZ 1110/3/D	86.00	69.00
7	Shore A	MHMZ 1110/7/A	105.00	81.00

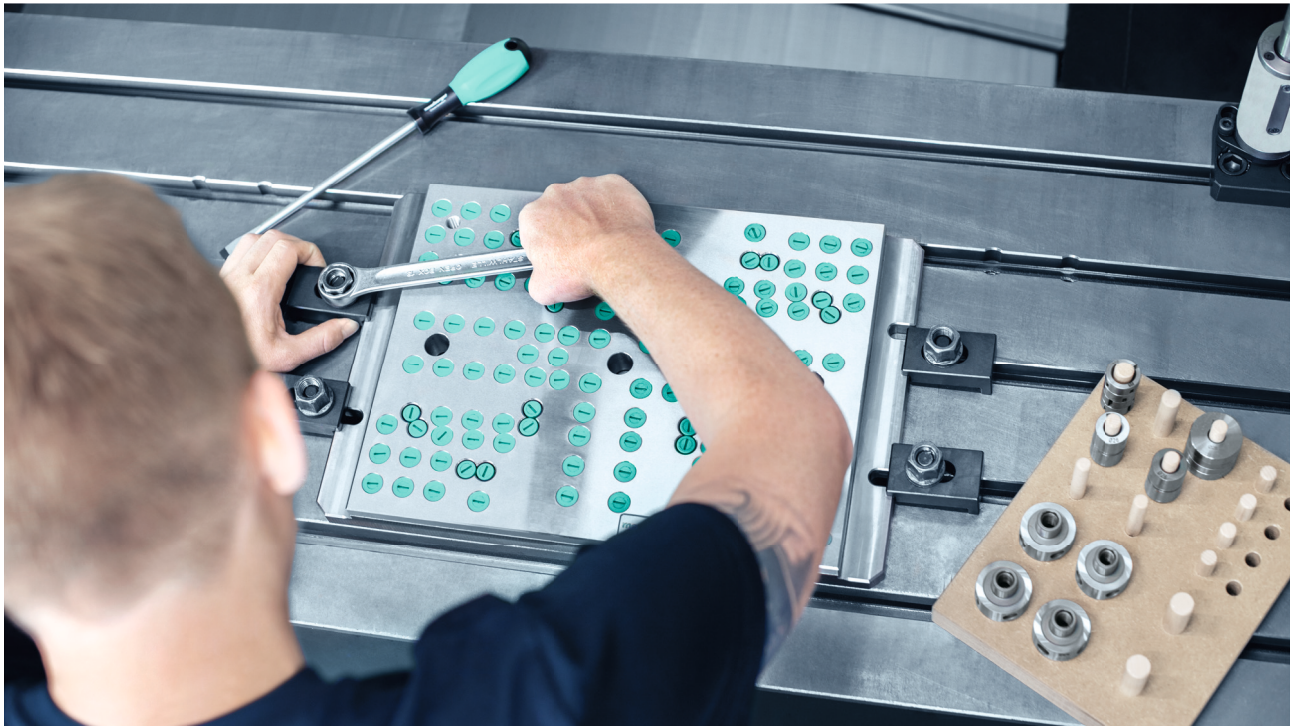
COUNTING SCALE **MWK 2106**

PRODUCT DESCRIPTION

- » For counting up to 60,000 pieces
- » Automatic reference sample
- » Easy adding of quantity possible
- » Separate displays for total and part weight and quantity



max. kg	No.	EUR	
6	MWK 2106/ 6	290.00	217.50
15	MWK 2106/15	290.00	217.50
30	MWK 2106/30	290.00	217.50

ASSEMBLY EQUIPMENT

DEMAGNETISER, DESKTOP MODEL
GEME 1000
PRODUCT DESCRIPTION

- » Ensures quick and easy demagnetisation
- » 100% duty cycle enables permanent use in measuring rooms, workshops and production lines
- » Perfect for the demagnetisation of plates, punches, dies, moulds and tools



I	No.	EUR	
160	GEME 1000/ 160	1,000.00	806.10
250	GEME 1000/ 250	1,225.00	906.50
400	GEME 1000/ 400	1,475.00	1,091.50


SET: FLAT SCREWDRIVERS, MICRO
V 30220/SET
PRODUCT DESCRIPTION

- » Ergonomic handle with satin chrome finish enables fast screwing and transferring of high torque
- » Hardened and black oxidized blade out of molybdenum vanadium steel, interchangeable and anti-rotation protected through positive-locking fit
- » Blades specially adapted to arrow inserts of the date stamps (see recommendation for use)



Set contents	No.	EUR	
» V 30220 Flat-head screwdriver: 0.8 - 1.5 - 2.0 - 3.0 - 3.5 - 4.0	V 30220/Set 0,8-4,0	45.50	35.50





PIPE PLIERS, RAPID ADJUSTMENT
V 20200

PRODUCT DESCRIPTION

- » Quick adjustment for ergonomic one-hand-operation
- » Polished surface with satin chrome finish



MATERIAL

- » Forged vanadium electric steel

I	No.	EUR	%
250	V 20200/250	35.40 28.10	
330	V 20200/330	51.50 41.20	

ENGINEER'S PLIERS
V 20000

PRODUCT DESCRIPTION

- » Polished surface with satin chrome finish
- » Versatilely usable by gripping zones for flat and round material, as well as cutting edges for cable and wire



MATERIAL

- » Forged special tool steel with induction hardened cutting edges (60 HRC)

I	No.	EUR	%
140	V 20000/140	21.30 17.00	
160	V 20000/160	22.20 17.80	
180	V 20000/180	23.70 19.00	
200	V 20000/200	25.00 20.00	

NEEDLE-NOSED PLIERS, EDGED
V 20010

PRODUCT DESCRIPTION

- » Flat and round, long, pointed jaws
- » Polished surface with satin chrome finish



MATERIAL

- » Forged vanadium electric steel with induction hardened cutting edges (61 HRC)

I	No.	EUR	%
160	V 20010/160	21.50 17.20	
200	V 20010/200	26.60 21.30	

HIGH LEVERAGE DIAGONAL CUTTER
V 20410

PRODUCT DESCRIPTION

- » Low effort and high cutting performance through optimal force transmission
- » Polished surface with satin chrome finish



MATERIAL

- » Forged chrome vanadium high-performance steel with induction hardened precision cutting edges (64 HRC)

I	No.	EUR	%
160	V 20410/160	30.20 24.20	
180	V 20410/180	32.10 25.70	
200	V 20410/200	35.70 28.60	

SLIDE HAMMER KIT V 28440

PRODUCT DESCRIPTION

- » For the extraction of dowel pins, e.g. of E 1302 up to M12
- » Includes six adapters: M3, M4, M5, M6, M8 and M10
- » Sliding rods in 2 different lengths

SCOPE OF DELIVERY

- » A plastic case with foam insert



SG	No.	EUR	%
900	V 28440/ 900	158.00 99.60	

i Spare V 284401 adapter and spare V 284402 sliding bar sold separately

REVERSIBLE RATCHET
V 34210
PRODUCT DESCRIPTION

- » 2-component handle
- » Square with ball lock
- » Lowered switch lever

MATERIAL

- » High-quality chrome vanadium steel, chrome finish



I	VKT	No.	EUR	%
115	6,3 mm / 1/4"	V 34210/1/4/115	52.50 39.90	
275	12,5 mm / 1/2"	V 34210/1/2/275	72.50 55.10	

TORQUE WRENCH WITH REVERSIBLE RATCHET
V 36002
PRODUCT DESCRIPTION

- » Accuracy is ± 4% of scale value (in direction of actuation)
- » Precise and easy adjustment of torque by fine scale graduation
- » Audible and palpable release when the desired torque is reached



DB	VKT	No.	EUR	%
2,5 - 25 Nm	6,3 mm / 1/4"	V 36002/ 3- 25/1/4	237.00 182.60	
20 -120 Nm	12,5 mm / 1/2"	V 36002/ 20-120/1/2	243.00 184.70	
60 -320 Nm	12,5 mm / 1/2"	V 36002/ 60-320/1/2	270.00 205.20	

SET: HEXAGON SOCKETS
V 34402/SET
PRODUCT DESCRIPTION

- » Drive: square, 1/4 and 1/2 inch
- » Chrome-plated surface for high corrosion resistance

MATERIAL

- » Forged chrome vanadium steel, hardened and tempered



Set contents	No.	EUR	%
» V34402 Hexagon socket inserts in a set: 5,5, 6, 7, 8, 9, 10, 11, 12, 13, 14 + V 344022/1/4	V 34402/1/4/Set 5,5-14	43.50 33.90	
» V34402 Hexagon socket inserts in a set: 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24 + V 344022/1/2	V 34402/1/2/Set 10-24	98.00 76.40	

SET: HEXAGON SCREWDRIVER SOCKET
V 34422/SET
PRODUCT DESCRIPTION

- » Drive: square, 1/4 and 1/2 inch
- » Chrome-plated head and black oxidized pin for high corrosion resistance

MATERIAL

- » Head from chrome vanadium steel, pin from tool steel, through-hardened and tempered



Set contents	No.	EUR	%
Hexagon screwdriver sockets, V 34422 in set: 3, 4, 5, 6 + V 344022/1/4	V 34422/1/4/Set 3-6	22.10 17.20	
Hexagon screwdriver sockets, V 34422 in set: 4, 5, 6, 7, 8, 10, 12, 14, 17 + V 344022/1/2	V 34422/1/2/Set 4-17	114.00 75.00	



SET: CRANKED HEXAGON SCREWDRIVERS, BALLPOINT, LONG V 30000/SET

PRODUCT DESCRIPTION

- » Nickel-plated surface with high corrosion resistance
- » Hexagon ball point enables screwing at angles up to 25°



MATERIAL

- » High-quality, thoroughly hardened chrome vanadium steel

Set contents	No.	EUR	
» Cranked hexagon screwdrivers SW 1,5; 2; 2,5; 3; 4; 5; 6; 8; 10 including functional plastic holder in set	V 30000/Set 1,5-10	27.40 19.80	

SET: HEXAGON SCREWDRIVERS WITH T-HANDLE V 30030/SET

PRODUCT DESCRIPTION

- » Nickel-plated surface with high corrosion resistance
- » Ergonomic T-handle enables a high torque transmission



MATERIAL

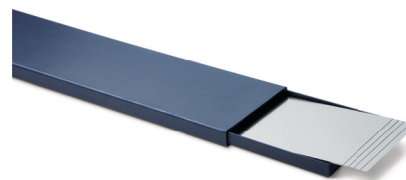
- » High-quality, thoroughly hardened chrome vanadium steel

Set contents	No.	EUR	
» All V 30030 Cranked hexagon screwdrivers, including functional plastic holder in a set	V 30030/Set 2-8	37.30 26.90	

SET: REFERENCE SHEETS V 56060

PRODUCT DESCRIPTION

- » Helps align the workpieces on surface grinding and milling machines
- » Simplifies the adjustment of slide units in injection moulds
- » Ideal for adjusting the length of cutting punches and cutting dies in stamping dies



MATERIAL

- » 1.4310
- » 1.1274

b	l	No.	EUR	
50	300	V 56060/ 50x 300/Set-25	80.50 64.40	
100	500	V 56060/100x 500/Set- 9	98.50 78.80	

HOT RUNNER CONTROL



HOT RUNNER DIAGNOSIS DEVICE PROFITEMP TM RH 1100

PRODUCT DESCRIPTION

- » Adapted to the requirements of mould makers as well as maintenance and service technicians
- » Complete and professional diagnosis of the condition of a hot runner
- » Easy to operate on 7" touch screen
- » Support in 15 languages
- » Can also be used for heating and preheating of the hot runner



Number of zones	Pin assignment	No.	EUR	
12	MEU	RH 1100/12/001/WI24B/32A	2,617.00	1,963.80
12	121	RH 1100/12/121/WI24B/32A	2,617.00	1,963.80
12	522	RH 1100/12/522/WI24B/32A	2,639.00	1,974.50
8	620	RH 1100/ 8/620/HA16 /32A	2,639.00	1,974.50

PROFITEMP DEVICE CART RHZ 1000

PRODUCT DESCRIPTION

- » Device cart adapted to the dimensions of the profiTEMP+, profiTEMP TM and profiTEMP IM
- » Secure support of the devices due to four attached retaining rings
- » Additional shelf as storage option
- » Smooth-running sturdy solid rubber castors, two with brake
- » RHZ 1010/345x205/270 cable holder optionally available



Type	No.	EUR	
S	RHZ 1000/S	529.00	396.80
L	RHZ 1000/L	662.00	496.50

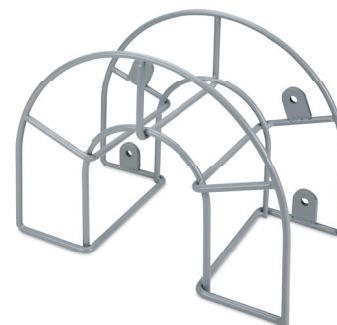
PROFITEMP CABLE HOLDER FOR DEVICE CART

RHZ 1010

PRODUCT DESCRIPTION

» Suitable for RHZ 1000

b	h	l	No.	EUR	
205	270	345	RHZ 1010/345x205/270	113.00	84.80



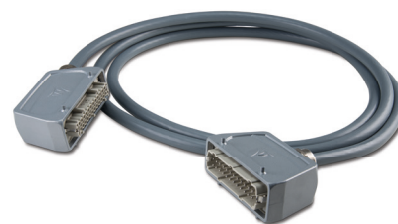
CONNECTING CABLE, HEATER + THERMOCOUPLE

RHZ 2000

PRODUCT DESCRIPTION

» Cable for connecting the hot runner controllers profiTEMP+ and profiTEMP IM as well as the hot runner diagnosis device profiTEMP TM with the hot runner system

l	Poles	Pin assignment	No.	EUR	
3	24	MEU	RHZ 2000/ 3/001/WI24B/S/M/001/WI24B/B/S	317.00	236.80
6	24	MEU	RHZ 2000/ 6/001/WI24B/S/M/001/WI24B/B/S	383.00	285.30
3	24	121	RHZ 2000/ 3/121/WI24B/S/M/121/WI24B/B/S	317.00	236.80
6	24	121	RHZ 2000/ 6/121/WI24B/S/M/121/WI24B/B/S	383.00	285.30



CONNECTING CABLE, HEATER

RHZ 2100

PRODUCT DESCRIPTION

» Cable for connecting the hot runner controllers profiTEMP+ and profiTEMP IM as well as the hot runner diagnosis device profiTEMP TM with the hot runner system

l	Poles	Pin assignment	No.	EUR	
3	24	522	RHZ 2100/ 3/522/WI24B/S/M/522/WI24B/B/S	249.00	186.80
6	24	522	RHZ 2100/ 6/522/WI24B/S/M/522/WI24B/B/S	274.00	205.50
3	16	620	RHZ 2100/ 3/620/HA16B/S/M/620/HA16B/B/S	262.00	196.50
6	16	620	RHZ 2100/ 6/620/HA16B/S/M/620/HA16B/B/S	285.00	214.80



CONNECTING CABLE, THERMOCOUPLE

RHZ 2200

PRODUCT DESCRIPTION

» Cable for connecting the hot runner controllers profiTEMP+ and profiTEMP IM as well as the hot runner diagnosis device profiTEMP TM with the hot runner system

l	Poles	Pin assignment	No.	EUR	
3	24	522	RHZ 2200/ 3/522/WI24B/B/M/522/WI24B/S/S	283.00	210.30
6	24	522	RHZ 2200/ 6/522/WI24B/B/M/522/WI24B/S/S	345.00	255.40
3	16	620	RHZ 2200/ 3/620/HA16A/B/M/620/HA16A/S/S	289.00	213.80
6	16	620	RHZ 2200/ 6/620/HA16A/B/M/620/HA16A/S/S	351.00	260.30



PROTECTIVE EQUIPMENT




SAFETY GLASSES, UVEX I-3 ASA 1400

PRODUCT DESCRIPTION

- » Soft, adjustable nose piece
- » Adjusts to any face shape
- » Flexible side arms with variable inclination
- » Secure fit in every situation

uvex

Version	No.	EUR	
01	ASA 1400/01	20.70 14.80	




SAFETY GLASSES, UVEX SUPER F OTG ASA 3200

PRODUCT DESCRIPTION

- » Fits over most prescription spectacles
- » Unrestricted peripheral vision
- » Hinge with extremely soft ear pieces
- » Perfect wearing comfort

uvex

Version	No.	EUR	
01	ASA 3200/01	19.00 14.20	



LENS CLEANING TOWELETTES ASA 9610

PRODUCT DESCRIPTION

- » Individually wrapped
- » Silicone-free
- » For all uvex eyewear lenses

 Pcs./PU	No.	EUR 	
100	ASA 9610/100	14.90	10.90





uvex

ALL-PURPOSE GLOVE, UNIPUR ASH 1210

PRODUCT DESCRIPTION

- » Standard polyamide PU safety glove
- » For general tasks
- » High flexibility
- » High abrasion resistance

Size	 Pair / PU	No.	EUR 	
7	10	ASH 1210/10/ 7	27.00	19.90
8	10	ASH 1210/10/ 8	27.00	19.90
9	10	ASH 1210/10/ 9	27.00	19.90
10	10	ASH 1210/10/10	27.00	19.90
11	10	ASH 1210/10/11	27.00	19.90





uvex

CUT PROTECTION GLOVE, CLASS C, C300 FOAM ASH 4340

PRODUCT DESCRIPTION

- » Medium cut protection (class C/3)
- » Outstanding tactile feel
- » High abrasion resistance
- » For assembly work in the metal industry
- » For assembly and fine assembly work in dry areas



Size	 Pair / PU	No.	EUR 	
7	5	ASH 4340/ 5/ 7	103.00	73.90
8	5	ASH 4340/ 5/ 8	103.00	73.90
9	5	ASH 4340/ 5/ 9	103.00	73.90
10	5	ASH 4340/ 5/10	103.00	73.90
11	5	ASH 4340/ 5/11	103.00	73.90



uvex

LEATHER SAFETY GLOVE, FULL-GRAIN LEATHER **ASH 5225**
PRODUCT DESCRIPTION



- » Exceptional grip on dry and damp workpieces
- » High abrasion resistance
- » Outstanding wearing comfort
- » For light to medium metal processing
- » Full-grain cowhide leather

Size	 Pair / PU	No.	EUR 	
9	5	ASH 5225/5/ 9	57.00	41.00
10	5	ASH 5225/5/10	57.00	41.00
11	5	ASH 5225/5/11	57.00	41.00

uvex

ANTI-VIBRATION GLOVES **ASH 9110**
PRODUCT DESCRIPTION

- » For working with air files such as GDSF 2030
- » Palm padded with vibrothane
- » Velcro fastener for optimal fit

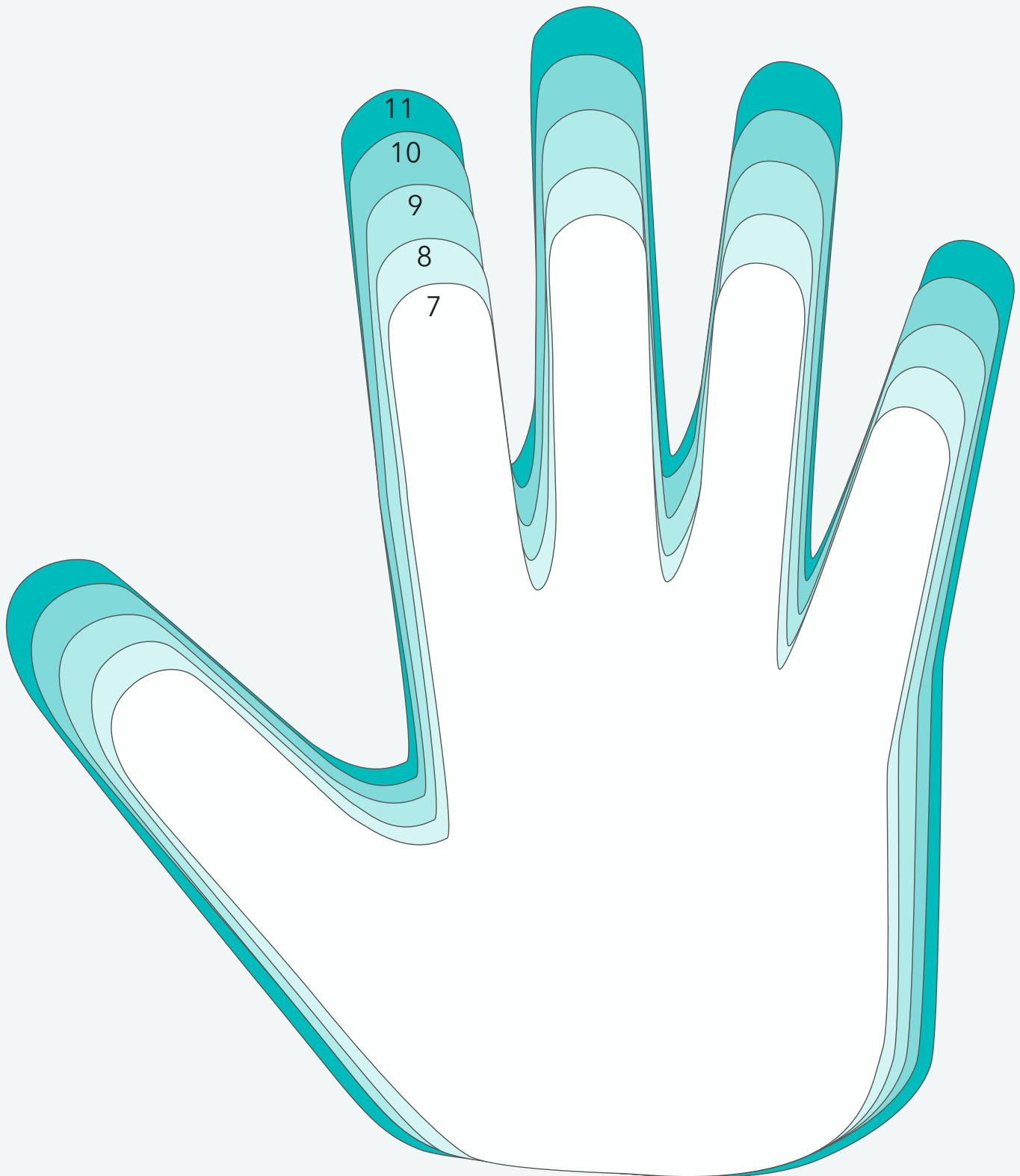
Size	 Pair / PU	No.	EUR 	
9	1	ASH 9110/ 1/ 9	62.00	45.10
10	1	ASH 9110/ 1/10	62.00	45.10
11	1	ASH 9110/ 1/11	62.00	45.10
12	1	ASH 9110/ 1/12	62.00	45.10










GLOVE SIZES - SIZE SELECTION MADE EASY

You do not have to measure the circumference of your hand. Simply place your hand on the template and read the appropriate size.



For very small or big hands, a smaller or larger size should be chosen for optimum wearing comfort.



-  Full-range supplier
-  Continuous availability
-  Top quality
-  Online service
-  Personal support

Ordered today – immediately dispatched



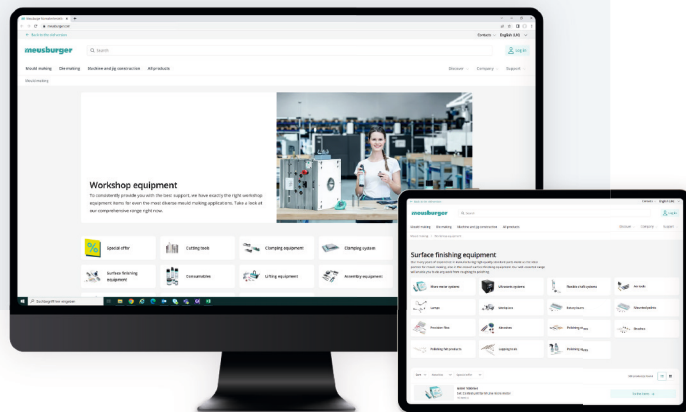
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