

4.0 Files

Page 652 - 662



4.1 Rotary burs

Page 663 - 669



4.2 Saw blades

Band saw blades

Holesaws/Hand hacksaws

Page 670 - 694



4.3 Grinding discs

Diamond cutting blades

Roughing and cutting off discs

Page 695 - 718

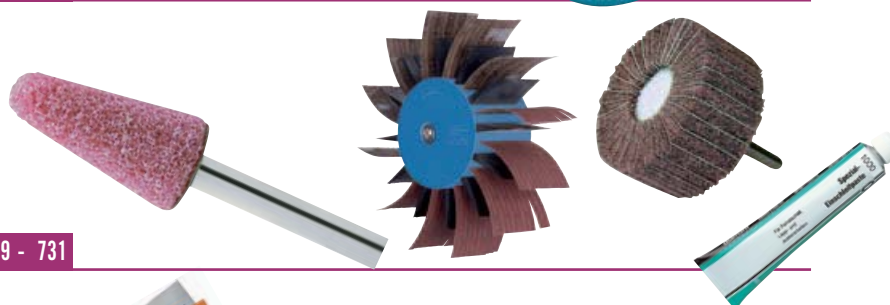


4.4 Rotary grinding tools

Non-woven flap sanders

Diamond grinding bits

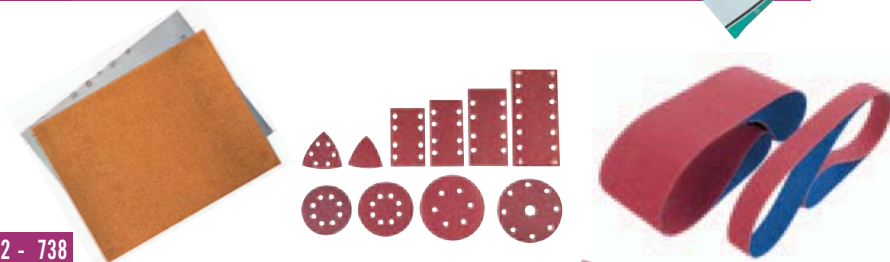
Page 719 - 731



4.5 Emery cloths

Sanding discs

Seite 732 - 738



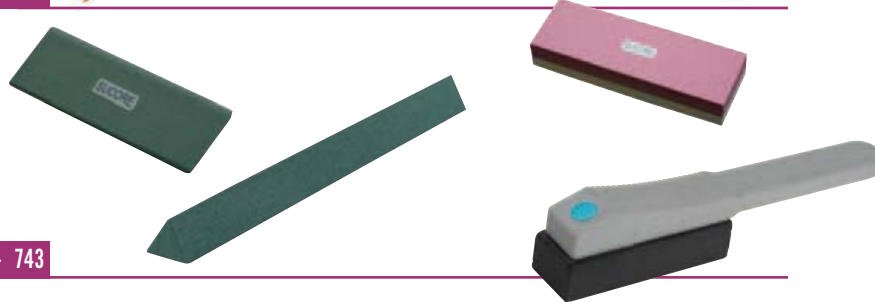
4.6 Whetstones /

Sharpening blocks /

Hand finishing sticks

Dressers

Page 739 - 743



4.7 Wire brushes

Handbrushes

Brooms

Page 744 - 756



40 001 Engineers' flat files

cut on three sides, parallel, blunt ended



40 001...

Length mm	Grade of cut	40 001...		Grade of cut	40 001...		Grade of cut	40 001...		Cross-section mm
100	1	101		2	102		3	103		10 x 2.5
150	1	151		2	152		3	153		16 x 4
200	1	201		2	202		3	203		20 x 5
250	1	251		2	252		3	253		25 x 6.3
300	1	301		2	302		3	303		30 x 7
350	1	351		2	352		3	353		35 x 7.5
400	1	401		-	-	-	-	-	-	39 x 9

40 008 Engineers' three-square files

cut on all sides, tapered end



40 008...

Cut length mm	Grade of cut	40 008...		Grade of cut	40 008...		Grade of cut	40 008...		Side width mm
100	1	101		2	102		3	103		6.3
150	1	151		2	152		3	153		11
200	1	201		2	202		3	203		14
250	1	251		2	252		3	253		17
300	-	301		2	302		3	303		20

40 011 Engineers' square files

cut on all sides, tapered end



40 011...

Length mm	Grade of cut	40 011...		Grade of cut	40 011...		Grade of cut	40 011...		Cross-section mm
100	1	101		-	-	-	3	103		4
150	1	151		2	152		3	153		6.3
200	1	201		2	202		3	203		8
250	1	251		2	252		3	253		10
300	1	301		2	302		3	303		12.5

40 014 Engineers' half-round files

tapered end



40 014...

Length mm	Grade of cut	40 014...		Grade of cut	40 014...		Grade of cut	40 014...		Cross-section mm
100	1	101		-	-	-	3	103		10 x 3.3
150	1	151		2	152		3	153		16 x 5
200	1	201		2	202		3	203		21 x 6
250	1	251		2	252		3	253		25 x 7
300	1	301		2	302		3	303		30 x 9
350	1	351		-	-	-	-	-	-	35 x 10

40 017 Engineers' round files

tapered end



40 017...

Length mm	Grade of cut	40 017...		Grade of cut	40 017...		Grade of cut	40 017...		Cross-section mm
100	1	101		2	102		3	103		4
150	1	151		2	152		3	153		6.3
200	1	201		2	202		3	203		7.1
250	1	251		2	252		3	253		9.2
300	1	301		2	302		3	303		12
350	1	351		-	-	-	-	-	-	16



40 021 Knife files

wide narrow side uncut



40 021...

Cut length mm	Grade of cut	40 021...		Grade of cut	40 021...		Cross-section mm
150	2	152		3	153		20 x 5.0
200	2	202		3	203		25 x 6.0
250	2	252		3	253		30 x 7.5

40 027 Lathe files

single cut, narrow sides uncut



40 027...

Cut length mm	Grade of cut	40 027...		Cross-section mm
250	2	252		25 x 6.3
250	3	253		25 x 6.3
300	2	254		25 x 6.3
300	3	255		25 x 6.3
350	3	256		25 x 6.3

40 029 General purpose files

with additional cutting tooth, parallel, flat



40 029...

Cut length mm	Grade of cut	40 029...		Cross-section mm
200	Special cut	201		20 x 5
250	Special cut	251		25 x 6.3

40 032 Soft metal files

parallel



40 032...

Shape	Cut length mm	Grade of cut	40 032...		Cross-section mm
flat, parallel	200	0	110		20 x 5
flat, parallel	250	0	120		25 x 6.3
flat, parallel	300	0	130		30 x 7

40 042 Milled files

Flat, parallel, helical cut, three sides milled



40 042...

Length mm	Grade of cut	40 042...		Cross-section mm
250	1	251		25 x 6.3
300	1	301		30 x 6.3

40 052 Car body/panel file blades

for the adjustable holder 40 053 001, flat, parallel, convex cut surface, flexible, with curved cutting teeth without swarf removal



40 052...

Length mm	40 052...		Teeth/cut	Cross-section mm
350	351		1 - coarse	35 x 5
350	352		2 - medium	35 x 5



40 053 Adjustable holder

for 350 mm car body/panel file blades **No. 40 052...**, a clamping screw can be used to curve the mounted file blade up or downwards

40 053...	
001	

Primat



40 053 001

40 064 Rasps

half-round, for wood, teeth cut extra deep

Primat



DIN
7263 C



40 064...

Cut length mm	Grade of cut	40 064...		Grade of cut	40 064...		Cross-section mm
200	-	-	-	2	202		20 x 5.5
250	1	251		2	252		25 x 7
300	1	301		2	302		29 x 9

40 066 Cabinet rasps

flat, half-round, for wood, teeth cut extra deep

Primat



DIN
7263 D



40 066...

Cut length mm	Grade of cut	40 066...		Cross-section mm
200	2	202		24 x 5
250	2	252		29 x 6
300	2	302		34 x 7

40 067 Rasps

round, for wood, teeth cut extra deep

Primat



DIN
7263 E



40 067...

Cut length mm	Grade of cut	40 067...		Cross-section mm
200	2	202		8
250	2	252		10

40 080 Engineers' file sets

in PVC bag, with securely pressed on plastic handles, set consisting of one of each of the file types

- flat
- half-round
- three-square
- square
- round

Primat



40 080...

Cut length mm	Grade of cut	40 080...		Contents
200	1	001		5
200	2	002		5
200	3	003		5
250	1	011		5
250	2	012		5
250	3	013		5

40 082 Engineers' file and rasp set

in PVC bag, with securely pressed on plastic handles, set consisting of one of each of the file types

- flat, parallel
- round
- half-round
- three-square
- rasp, half-round

Primat



with rasp



40 082 005

Cut length mm	Grade of cut	40 082...		Contents
200	2	005		5

Precision files

Special features: chrome alloy tool steel, slender and well-balanced shape, sharp, deep cut, high swarf removal, sharp edges, fine tips, hardness HRC 66 - 67, long cutting durability

40 101 Precision flat files

flat, parallel, **normal shape**, parallel, flat end, cut on three sides



40 101...

Cut length mm	Grade of cut	40 101...		Grade of cut	40 101...		Cross-section mm
100	1	101		2	102		9.5 x 2.5
150	1	151		2	152		16 x 4
200	1	201		2	202		21.3 x 4.8
250	1	251		2	252		25.3 x 6.3
300	1	301		2	302		25.3 x 6.3
100	3	103		4	104		9.5 x 2.5
150	3	153		4	154		16 x 4
200	3	203		4	204		21.3 x 4.8
250	3	253		4	254		25.3 x 6.3
300	3	303		-	-	-	25.3 x 6.3

40 103 Precision pillar files

flat, parallel, **semi-narrow shape**, cut on three sides, flat parallel end



40 103...

Cut length mm	Grade of cut	40 103...		Grade of cut	40 103...		Grade of cut	40 103...		Cross-section mm
200	1	201		2	202		3	203		14.5 x 4.5

40 105 Precision pillar files

flat, parallel, **narrow shape**, parallel, flat end, cut on three sides



40 105...

Cut length mm	Grade of cut	40 105...		Grade of cut	40 105...		Grade of cut	40 105...		Cross-section mm
150	1	151		2	152		3	153		8.3 x 3.8
200	1	201		2	202		3	203		12 x 4

40 106 Precision pillar files

flat, parallel, **particularly narrow shape**, parallel, flat end, cut on three sides



40 106...

Cut length mm	Grade of cut	40 106...		Grade of cut	40 106...		Cross-section mm
150	1	151		2	152		8 x 3
200	1	201		2	202		8.3 x 3.8
150	3	153		-	-	-	8 x 3
200	3	203		-	-	-	8.3 x 3.8
250	3	253		-	-	-	12 x 4

40 108 Precision three-square files

normal shape, cut on all sides, end tapers to a point



40 108...

Cut length mm	Grade of cut	40 108...		Grade of cut	40 108...		Grade of cut	40 108...		Side width mm
100	1	101		2	102		-	-	-	5.8
150	1	151		2	152		3	153		10.3
200	1	201		2	202		3	203		14.2
250	1	251		-	-	-	3	253		17.2

40 111 Precision square files

normal shape, cut on all sides, end tapers to a point



40 111...

Cut length mm	Grade of cut	40 111...		Grade of cut	40 111...		Grade of cut	40 111...		Cross-section mm
150	1	151		2	152		3	153		5.5
200	1	201		2	202		3	203		7.5

40 114 Precision half-round files

normal shape, cut on all sides, blades up to 200 mm long taper to a point



40 114...

Cut length mm	Grade of cut	40 114...		Grade of cut	40 114...		Grade of cut	40 114...		Cross-section mm
100	1	101		2	102		3	103		12.7 x 3.5
150	1	151		2	152		3	153		18 x 5.5
200	1	201		2	202		3	203		21.1 x 6.3
250	1	251		2	252		3	253		25.5 x 7.5

40 117 Precision round files

normal shape, end tapers to a point



40 117...

Cut length mm	Grade of cut	40 117...		Grade of cut	40 117...		Grade of cut	40 117...		Cross-section mm
100	1	101		2	102		3	103		3.8
150	1	151		2	152		3	153		5.8
200	1	201		2	202		3	203		7.8
250	1	251		2	252		3	253		9.1

40 118 Precision lenticular cross-section files

unevenly curved, sharp edges, end tapers to a point, cut on all sides



40 118...

Cut length mm	Grade of cut	40 118...		Grade of cut	40 118...		Cross-section mm
200	1	201		3	203		21.3 x 6.3

40 121 Precision knife files

side surfaces and bottom edge cut, sharp edges, end tapers to a point

for suitable file handles, see 40 341...

40 345...

40 350...



40 121...

Cut length mm	Grade of cut	40 121...		Grade of cut	40 121...		Cross-section mm
200	2	202		3	203		22 x 4.2

40 125 Precision barrette files

also known as safety back file, flat side only cut, back uncut with ridge



40 125...

Cut length mm	Grade of cut	40 125...		Grade of cut	40 125...		Cross-section mm
150	-	-	-	3	153		15.5 x 3.5
200	2	202	-	3	203		21.5 x 5

40 201 Three-square saw files

with slightly bevelled edges, normal and commonly used shape



40 201...

Cut length mm	Grade of cut	40 201...		Side width mm
150	2	152		13
200	2	202		16

40 204 Three-square saw files

with slightly bevelled edges, normal and slender shape



40 204...

Cut length mm	Grade of cut	40 204...		Side width mm
125	2	122		7.2
150	2	152		9

40 208 Three-square saw files

with slightly bevelled edges, extra narrow and slender shape



40 208...

Cut length mm	Grade of cut	40 208...		Side width mm
100	2	102		5
125	2	152		6
150	2	202		7.5

40 211 Tapered bandsaw file

with rounded edges



40 211...

Cut length mm	Grade of cut	40 211...		Side width mm
175	2	172		16

40 214 Millsaw file

all sides cut, narrow sides flat



40 214...

Cut length mm	Grade of cut	40 214...		Cross-section mm
250	3	253		25 x 5

40 217 Millsaw files

all sides cut, narrow sides rounded



40 217...

Cut length mm	Grade of cut	40 217...		Cross-section mm
200	3	203		20 x 4
250	3	253		25 x 5

40 219 Chainsaw files

round, with spiral cut, completely cylindrical



40 219...

Cut length	Grade of cut	40 219...		Cross-section mm
200	3	203		4.8
200	3	204		5.5

40 220 Chainsaw sharpeners CHAIN SHARP

Chainsaw sharpeners file teeth and depth limiters in one go, precise sharpening by hand as the tooth pitch and depth limiter are filed simultaneously in correct relation to each other, cost-saving and economic



40 220...

File Ø	40 220...	
4	001	
4.8	003	

40 252 Universal thread files

for outer and inner threads, for thread types with millimetre or imperial threads



40 252...

Thread pitch mm / threads per inch	40 252...		Length mm	Thread type
0.8 - 1 - 1.25 - 1.5 - 1.75 - 2 - 2.5 - 3 mm	010		230	Metric
24 - 20 - 18 - 16 - 14 - 12 - 11 - 10 threads	020		230	Whitworth

40 253 Universal thread file set

in wooden box with thread chart



40 253 013

Set contents	40 253...	
1 universal thread file No. 40 252 010 1 universal thread file No. 40 252 020	013	

40 301 Warding files

DIN 7283 A - F, this shape, without handle



40 301 001



40 301 011



40 301 021



40 301 041



40 301 051

Shape	Cut length mm	Grade of cut	40 301...		Cross-section mm
flat, parallel	100	2	001		10 x 1.4
flat, parallel	125	2	002		10 x 1.4
flat pointed	100	2	011		10 x 1.4
three-square	100	2	021		5
square	100	2	031		3.2
half-round	100	2	041		8.0 x 2.6
round	100	2	051		3.2

40 303 Warding file sets

with securely pressed on handles, 6-piece



40 303 060



40 303 160

Cut length mm	Grade of cut	40 303...		Packaging
100	2	060		Plastic bag
100	2	160		Metal box

40 304 Ignition files

with handle end



40 304 001

Total length mm	Grade of cut	40 304...		Cross-section mm
150	2	001		8 x 1

40 312 Precision (Swiss) needle files

with round handle shaft



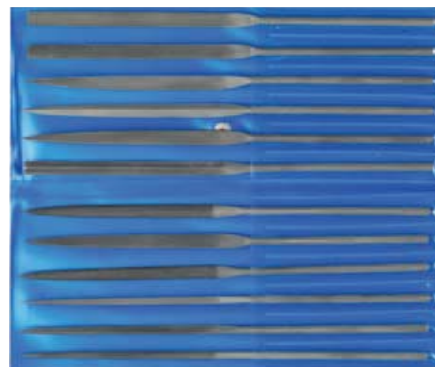
40 312...

Shape	40 312...		Grade of cut	Cut length mm	Shank Ø	Total length mm
flat, parallel	001		1	80	3.0	160
flat, parallel	002		2	80	3.0	160
flat, parallel	003		3	80	3.0	160
flat pointed	021		1	80	3.0	160
flat pointed	022		2	80	3.0	160
flat pointed	023		3	80	3.0	160
three-square	031		1	80	3.0	160
three-square	032		2	80	3.0	160
three-square	033		3	80	3.0	160
square	041		1	80	3.0	160
square	042		2	80	3.0	160
square	043		3	80	3.0	160
half-round	051		1	80	3.0	160
half-round	052		2	80	3.0	160
half-round	053		3	80	3.0	160
round	061		1	80	3.0	160
round	062		2	80	3.0	160
round	063		3	80	3.0	160

Shape	40 312...		Grade of cut	Cut length mm	Shank Ø	Total length mm
knife-edge	071		1	80	3.0	160
knife-edge	072		2	80	3.0	160
knife-edge	073		3	80	3.0	160
lenticular	092		2	80	3.0	160
barrette	102		2	80	3.0	160
flat, parallel	201		1	100	3.5	200
flat, parallel	202		2	100	3.5	200
three-square	211		1	100	3.5	200
three-square	212		2	100	3.5	200
three-square	213		3	100	3.5	200
square	222		2	100	3.5	200
square	223		3	100	3.5	200
half-round	232		2	100	3.5	200
half-round	233		3	100	3.5	200
round	241		1	100	3.5	200
round	242		2	100	3.5	200
round	243		3	100	3.5	200

40 314 Range of (Swiss) needle files

with 12 shapes, in plastic bag



40 314...

Total length mm	Grade of cut	40 314...		Cut length mm
160	2	001		80
200	2	002		100



40 322 Diamond (Swiss) needle files

form machining hardened steel, tungsten carbide, ceramic, glass, synthetic carbon, hard rock, etc.,

- Total length: 140 mm
- Diamond surface: 70 mm
- Shank diameter: 3 mm
- Diamond grit: medium D 126 universal grit

Shape	40 322...	
flat, parallel	002	
three-square	032	
square	042	
half-round	052	
round	062	
knife-edge	072	
lenticular	092	

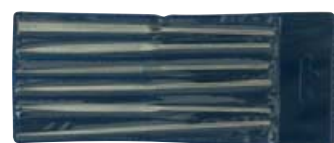


40 323 Diamond (Swiss) needle file sets

in stable plastic bag

Total length of the files: 140 mm

Contents Qty	Diamond grit	40 323...	
6	D 126 medium	002	
10	D 126 medium	003	



40 323 002



40 323 003

40 328 Collet chuck handle

suitable for all precision and diamond needle files 40 312... and 40 322...

Total length	40 328...		for file length	Clamping Ø
mm			mm	mm
80	001		140 - 200	2.8 - 4.0



40 328 001

40 341 File handles, wood

with metal ferrule, made of beechwood, waxed

Primat



Total length	40 341...		for file length
mm			mm
80	001		100 / 150
90	002		100 - 150
100	003		150 - 200
110	004		150 - 200
120	005		250
140	007		300 / 350
160	009		350 - 400



40 341...

40 345 File handles, plastic

with large hang hole, optimum ergonomic shape, made of shockproof plastic, can be reused on many files



Total length	40 345...		for file length	Type
mm			mm	
90	001		100 - 150	Narrow tangs
90	003		100 - 150	
110	005		200 - 250	
125	007		300 - 350	



40 345...

40 350 Ergonomic file handles

- optimum grip
- ergonomic shape
- outside soft plastic with hard, stable core
- large, rounded contact surfaces
- protects the hand against sharp edges and corners
- angular collar prevents the file from rolling away



40 350...

suitable for file length mm	40 350...		suitable for
100 - 150	002		Warding files, very narrow tangs
100 - 150	003		Normal tangs
200 - 250	004		Profiles: three-square, square, round, special shapes
300 - 350	005		Profiles: three-square, square, round, special shapes

Surform tools

for planing, filing, moulding, smoothing, honing and rasping, for materials such as hardwood, softwood, end-grain wood, particle boards, plywood, laminated boards, vinyl, rubber, gypsum, Thermalite, chalk, fibreglass, brass, lead, aluminium, copper, soft metals, plastic, nylon, linoleum and ceramic

40 401 Standard files

Model 101, complete with standard blade **No. 505**, ideal, where the usual file shape is pulled forward, strong plastic handle, black metal body

For replacement blades, see 40 408...

STANLEY



40 401 001

Total length mm	40 401...		Blade length mm	Blade width mm
440	001		250	42

40 402 Standard plane

Model 107, complete with standard blade **No. 505**, with original plane handle made of plastic, black metal body

For replacement blades, see 40 408...

STANLEY



40 402 001

Total length mm	40 402...		Blade length mm	Blade width mm
315	001		250	42

40 403 Planer file

Model 122, complete with standard blade **No. 505**, dual-purpose tool can be used as a plane with the handle upright or handle can be swivelled flat for use as a file, yellow plastic handle, black enamelled metal body

For replacement blades, see 40 408...

STANLEY

Handle can be swivelled flat for use as file!



40 403 001

Total length mm	40 403...		Blade length mm	Blade width mm
310	001		250	42

40 404 Round file

Model 124, complete with round blade **No. 558**, for enlarging holes and finishing and smoothing curved or tightly contoured edges, ideal for wood turning work, strong plastic handle

For replacement blades, see 40 408...

STANLEY



40 404 001

Total length mm	40 404...		Blade length mm	Blade Ø mm
365	001		250	15

40 405 Block plane

Model 111, complete with fine cut blade **No. 520**, handy tool for finishing corners and small areas, metal bodies, blade can be reversed

For replacement blades, see 40 408...

STANLEY



40 405 001

Total length mm	40 405...		Blade length mm	Blade width mm
155	001		140	42



40 406 Shaver tool

Model 115, complete with shaver blade **No. 515**, handy plastic handle, increased cutting effect due to slightly curved shape of the blade

For replacement blades, see 40 408...

STANLEY



40 406 001

Total length mm	40 406...		Blade length mm	Blade width mm
185	001		60	42

40 408 Surform replacement blades

suitable for Surform tools 40 401... to 40 406...

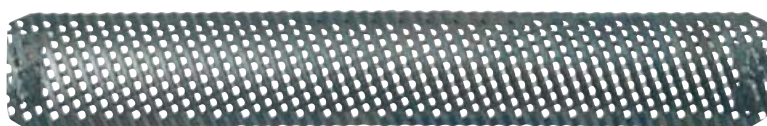
STANLEY



...001



...002



...003



...005



...006



...007

Blade No.	40 408...		Type	For tool No.	Blade length mm	Blade width mm
505	001		Standard blade	40 401... 40 402... 40 403...	250	42
506	002		Fine cut blade	40 401... 40 402... 40 403...	250	42
507	003		Half-round blade	40 401... 40 402... 40 403...	250	42
515	005		Scraper blade	40 406...	60	42
520	006		Fine cut blade	40 405...	140	42
558	007		Round blade	40 404...	250	15





HSS burrs

Cutting speeds

Recommended speeds (min⁻¹) for HSS burrs

The table shows the recommended speeds (min⁻¹) depending on the burr diameter. Please refer to the table below for the precise speeds (min⁻¹) in accordance with the recommended cutting speed (m /min).

Example:

HSS burrs, Cut (toothing) 1, Burr head Ø 12 mm
Coarse machining of non-ferrous metals.
Cutting speed: 200 m/min
Speed: 5300 min⁻¹

Recommendations for use

HSS burrs must be used with lower speeds compared to sintered carbide burrs. For application situations when high speeds are not available. For soft materials, HSS burrs are the economic alternative to sintered carbide burrs. The toughness of the high speed steel (HSS) results in a high degree of cutting teeth stability.

m/min ⁻¹ Ø mm	Cutting speed (m/min)								
	60	70	80	90	100	150	200	250	300
	Speeds (min ⁻¹)								
1.6	11,900	13,900	15,900	17,900	19,900	29,800	39,800	49,700	59,700
2.3	8,300	9,700	11,000	12,400	13,800	20,700	27,700	34,600	41,500
3.2	5,900	6,900	7,900	8,900	9,900	14,900	19,900	24,800	29,800
4.0	4,700	5,500	6,300	7,100	7,900	11,900	15,900	19,900	23,800
5.0	3,800	4,400	5,100	5,700	6,300	9,500	12,700	15,900	19,100
6.0	3,100	3,700	4,200	4,700	5,300	7,900	10,600	13,200	15,900
7.0	2,700	3,100	3,600	4,100	4,500	6,800	9,100	11,300	13,600
8.0	2,400	2,700	3,100	3,500	3,900	5,900	7,900	9,900	11,900
10.0	1,900	2,200	2,500	2,800	3,100	4,700	6,300	7,900	9,500
12.0	1,600	1,800	2,100	2,300	2,600	3,900	5,300	6,600	7,900
14.0	1,300	1,600	1,800	2,000	2,200	3,400	4,500	5,600	6,800
16.0	1,200	1,400	1,600	1,800	2,000	2,900	3,900	4,900	5,900

HSS burrs (rotary milling cutters/burrs)

Cut 3, medium, with chip-breaker flutes, most common toothing can be used for all materials: malleable cast iron, cast steel, all types of steel, **except austenitic materials**

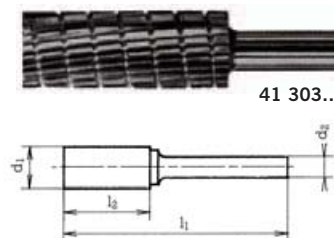


41 303 HSS burrs

Cut 3, Shape: Cylinder with end cut



d1 mm	41 303...		L2 mm	L1 mm	d2 mm
6	001		16	60	6
10	002		13	53	6
12	003		25	65	6
16	004		25	65	6

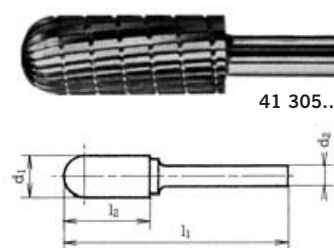


41 305 HSS burrs

Cut 3, Shape: Bullnose



d1 mm	41 305...		L2 mm	L1 mm	d2 mm
6	001		16	60	6
12	002		25	65	6

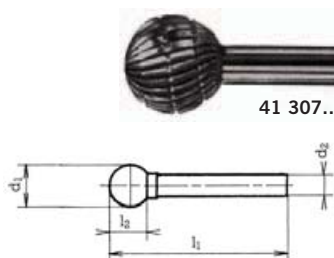


41 307 HSS burrs

Cut 3, Shape: Ball end



d1 mm	41 307...		L2 mm	L1 mm	d2 mm
4	001		3.6	55	6
6	002		5.4	55	6
8	003		7.0	55	6
12	004		10.8	51	6
16	005		14.3	54	6

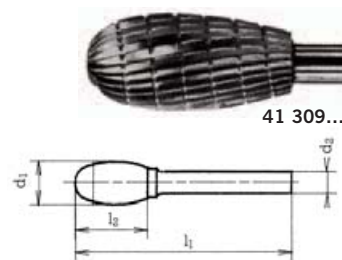


41 309 HSS burrs

Cut 3, Shape: Oval



d1 mm	41 309...		L2 mm	L1 mm	d2 mm
6	001		10	55	6
12	002		20	60	6
16	003		25	65	6



41 309...

41 313 HSS burrs

Cut 3, Shape: Tree



41 313...

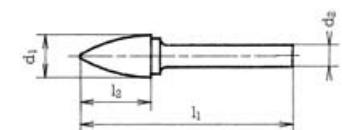
41 314 HSS burrs

Cut 1, Shape: Tree, suitable for aluminium alloy, copper, zinc



41 314...

d1 mm	41 313...		41 314...		L2 mm	Total length mm	d2 mm
6	001		-	-	18	60	6
12	002		-	-	25	65	6
12	003		003	-	30	70	6
16	004		-	-	30	70	6



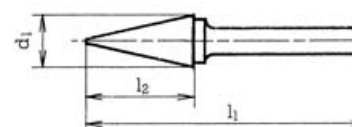
41 315 HSS burrs

Cut 3, Shape: Cone



41 315...

d1 mm	41 315...		L2 mm	L1 mm	d2 mm
6	001		18	60	6
10	002		20	60	6
12	003		25	65	6



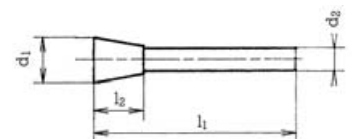
41 319 HSS burrs

Cut 3, Shape: Inverted cone



41 319...

d1 mm	41 319...		L2 mm	L1 mm	d2 mm
12	001		13	53	6



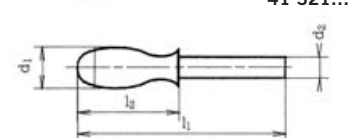
41 321 HSS burrs

Cut 3, special shape:



41 321...

d1 mm	41 321...		L2 mm	L1 mm	d2 mm
12	002		30	70	6



Sintered carbide burrs



Use instructions and recommendations:

Sintered carbide burrs can be used for diverse tasks and are especially suitable for deburring and finishing castings, coarse preliminary workpieces and welds. In general, these burrs are used in hand-held tools or drives. They can also be used in stationary machines. The type of cut depends on the material to be machined. The correct speed is determined by the cutting speed and the burr head diameter. All the necessary data is given in the table on the right and the calculation formula.

Important note:

The cutting elements used must have a very high degree of trueness/concentricity to prevent premature wear or edge chipping. The same applies to the machine's spindle bearing.

	Teeth/cut	Cutting speed m/min. (v _c)	Materials to be machined
	1	200	Lightweight metals, thermoplastics, lubricating materials, non-ferrous metals, aluminium
	3	600 - 900	Steels over 500 N/mm ² , cast steel and similar materials
	6	350 - 450 450 - 600 600 - 900	Hardened steels and high-strength materials Welds, grey cast iron, heat-resisting steels, titanium Steels over 500 N/mm ² , stainless steels

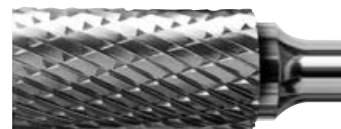
Speed calculation

$$n = (v_c \times 1000) / (d \times 3.1415)$$

$$n = \text{speed in 1/min} \quad v_c = \text{cutting speed in m/min} \quad d = \text{Burr head diameter}$$

41 331 Sintered carbide burrs

Cut 3, Shape ZYA: Cylinder shape **without** end cut



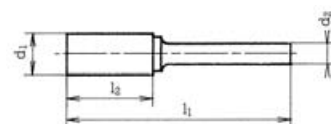
Illustrated with standard cut

41 332 Sintered carbide burrs

Cut 6, Shape ZYA: Cylinder shape **without** end cut

41 333 Sintered carbide burrs, ALU-CUT

ALU cut, Shape ZYA: Cylinder shape **without** end cut

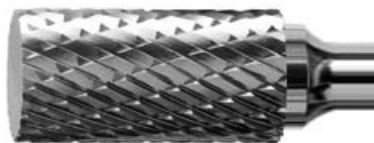


d1	d2	L2	L1						
mm	mm	mm	mm	41 331...		41 332...		41 333...	
4	6	13	50	001		001		-	-
6	6	18	50	002		002		-	-
8	6	20	65	003		003		-	-
10	6	20	65	004		004		-	-
12	6	25	70	005		005		012	-
16	6	25	70	006		006		-	-
12	8	25	70	011		011		-	-
16	8	25	70	-	-	-	-	016	-

Coatings: **TiN**, **TiCN** or **TiAlN** on request

41 335 Sintered carbide burrs

Cut 3, Shape ZYA-S: Cylinder **with** end cut



Illustrated with standard cut

41 336 Sintered carbide burrs

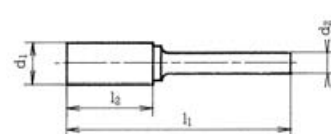
Cut 6, Shape ZYA-S: Cylinder **with** end cut

41 337 Sintered carbide burrs, ALU-CUT

ALU cut, Shape ZYA-S: Cylinder **with** end cut



End cut



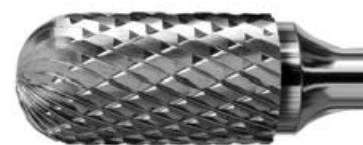
d1	d2	L2	L1						
mm	mm	mm	mm	41 335...		41 336...		41 337...	
8	6	20	65	003		003		-	-
10	6	20	65	005		005		-	-
12	6	25	70	007		007		012	-

Coatings: **TiN**, **TiCN** or **TiAlN** on request

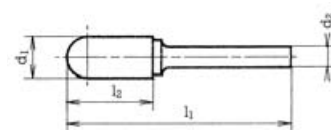


41 339 Tungsten carbide burrs

Cut 3, Shape WRC: Bullnosed cylinder



Illustrated with standard cut



41 340 Tungsten carbide burrs

Cut 6, Shape WRC: Bullnosed cylinder

41 341 Tungsten carbide burrs, ALU-CUT

Cut ALU, Shape WRC: Bullnosed cylinder

d1	d2	L2	L1			
mm	mm	mm	mm	41 339...	41 340...	41 341...
4	6	13	50	001	001	-
6	6	18	50	002	002	-
8	6	20	65	003	003	-
10	6	20	65	004	004	-
12	6	25	70	005	005	012
16	6	25	70	006	006	016
12	8	25	70	011	011	-
16	8	25	70	012	012	-

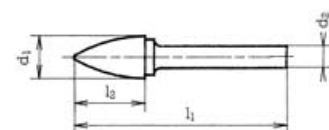
Coatings: **TiN**, **TiCN** or **TiAlN** on request

41 343 Tungsten carbide burrs

Cut 3, Shape SPG: Tree



Illustrated with standard cut



41 344 Tungsten carbide burrs

Cut 6, Shape SPG: Tree

d1	d2	L2	L1		
mm	mm	mm	mm	41 343...	41 344...
6	6	18	50	002	002
10	6	20	65	004	004
12	6	25	70	005	005
16	6	25	70	006	006
16	8	25	70	-	012

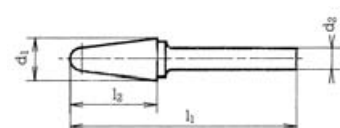
Coatings: **TiN**, **TiCN** or **TiAlN** on request

41 347 Tungsten carbide burrs

Cut 3, Shape RBF: Bull-nosed tree



Illustrated with standard cut



41 348 Tungsten carbide burrs

Cut 6, Shape RBF: Bull-nosed tree

41 349 Tungsten carbide burrs, ALU-CUT

Cut ALU, Shape RBF: Bull-nosed tree

d1	d2	L2	L1			
mm	mm	mm	mm	41 347...	41 348...	41 349...
6	6	18	50	001	001	-
10	6	20	65	002	002	-
12	6	25	70	003	003	012

Coatings: **TiN**, **TiCN** or **TiAlN** on request

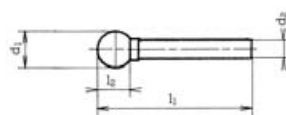
41 351 Tungsten carbide burrs

Cut 3, Shape KUD: Ball end



41 352 Tungsten carbide burrs

Cut 6, Shape KUD: Ball end



Illustrated with standard cut

41 353 Tungsten carbide burrs, ALU-CUT

Cut ALU, Shape KUD: Ball end

d1	d2	L2	L1						
mm	mm	mm	mm	41 351...		41 352...		41 353...	
4	6	3	50	001		001		-	-
6	6	5	50	002		002		-	-
8	6	6	52	003		003		-	-
10	6	9	53	004		004		010	
12	6	10	57	005		005		012	
16	6	14	60	006		006		016	
16	8	14	60	007		007		-	-

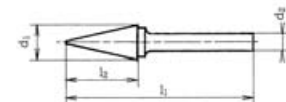
Coatings: **TiN**, **TiCN** or **TiAlN** on request

41 370 Tungsten carbide burrs

Shape SKM: Cone;

Prod. No.: ...002-...007 Cut 3,

Prod. No.: ...012-...017 Cut 6



Illustrated with standard cut

d1	d2	L2	L1				
mm	mm	mm	mm	41 370...		41 370...	
6	6	20	50	002		012	
12	6	25	67	005		015	
16	6	25	70	006		016	
16	8	25	70	007		017	

Coatings: **TiN**, **TiCN** or **TiAlN** on request

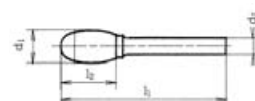
41 371 Tungsten carbide burrs

Shape TRE: Oval;

Prod. No.: ...005 Cut 3,

Prod. No.: ...012-...015 Cut 6,

Prod. No.: ...024-...025 ALU CUT



Illustrated with standard cut

Head Ø	d2	L2	L1						
mm	mm	mm	mm	41 371...		41 371...		41 371...	
6	6	10	50	-	-	012		-	-
10	6	15	60	-	-	014		024	
12	6	20	65	005		015		025	

Beschichtungen: **TiN**, **TiCN** oder **TiAlN** auf Anfrage

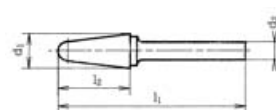
41 372 Tungsten carbide burrs

Shape KEL: Ball-nosed cone;

Prod. No.: ...002-...005 Cut 3,

Prod. No.: ...012-...015 Cut 6,

Prod. No.: ...024-...025 ALU CUT



Illustrated with standard cut

d1	d2	L2	L1						
mm	mm	mm	mm	41 372..		41 372...		41 372...	
6	6	18	50	002		012		-	-
10	6	26	71	004		014		024	
12	6	28	73	005		015		025	

Coatings: **TiN**, **TiCN** or **TiAlN** on request



41 356 Tungsten carbide mini burrs

Shape ZYA: Cylinder without end cut



Illustrated with standard cut

Head Ø	Shank Ø	Burr head length	Total length				
mm	mm	mm	mm	41 356...		41 356...	
3	3	14	38	001		002	
6	3	13	50	011		012	

41 358 Tungsten carbide mini burrs

Shape WRC: Bullnosed cylinder



Illustrated with standard cut

Head Ø	Shank Ø	Burr head length	Total length				
mm	mm	mm	mm	41 358...		41 358...	
3	3	12	38	001		002	
6	3	12	51	011		012	

41 360 Tungsten carbide mini burrs

Shape RBF: Bull-nosed tree



Illustrated with standard cut

Head Ø	Shank Ø	Burr head length	Total length				
mm	mm	mm	mm	41 360...		41 360...	
3	3	13	38	001		002	

41 362 Tungsten carbide mini burrs

Shape SPG: Tree



Illustrated with standard cut

Head Ø	Shank Ø	Burr head length	Total length				
mm	mm	mm	mm	41 362...		41 362...	
3	3	12	38	001		002	
6	3	12	51	011		012	

41 364 Tungsten carbide mini burrs

Shape SKM: Cone



Illustrated with standard cut

Head Ø	Shank Ø	Burr head length	Total length				
mm	mm	mm	mm	41 364...		41 364...	
3	3	12	38	001		002	

41 366 Tungsten carbide mini cutters

Shape TRE: Flame



Illustrated with standard cut

Head Ø	Shank Ø	Burr head length	Total length				
mm	mm	mm	mm	41 366...		41 366...	
3	3	12	38	001		002	

41 368 Tungsten carbide mini cutters

Shape KUD: Ball end



Illustrated with standard cut

Head Ø	Shank Ø	Burr head length	Total length				
mm	mm	mm	mm	41 368...		41 368...	
2	3	2.3	38	001		002	
3	3	2.8	38	003		004	
6	3	5	44	011		012	



41 380 Tungsten carbide burr sets

4 each with cut 6 in practical plastic case with space for 4 additional burrs



41 380 001



41 380 003

Content No.	Shape	41 380...	
41 332 002	ZYA 6 x 18	001	
41 332 004	ZYA 10 x 20		
41 340 004	WRC 10 x 20		
41 344 004	SPG 10 x 20		
41 332 004	ZYA 10 x 20	003	
41 340 004	WRC 10 x 20		
41 344 004	SPG 10 x 20		
41 352 004	KUD 10 x 8		

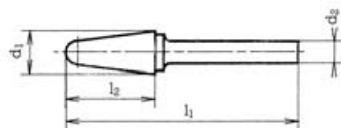
41 380 Tungsten carbide burr set

5-piece, cut 5

Completely new cut specially matched to meet production needs in foundries, dockyards, heavy industry.

Ideal for cast iron, tool steel, stainless steel and hardened steels.

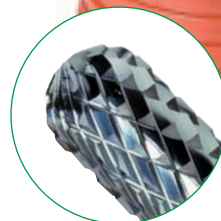
This is all made possible by the specially developed cutting wedge angle. As a result a higher stability is achieved for optimum production.



Shape	d1 mm	d2 mm	l2 mm	l1 mm	41 380...	
ZYA-S	12	6	25	70	005	
WRC	12	6	25	70		
RBF	12	6	25	70		
SPG	12	6	25	70		
KEL	12	6	28	73		



41 380 005



Cut 5

41 385 Tungsten carbide burr set

- 5-piece, cut 6
- Long tool life, higher strength, effective production due to coating: **TiAlN-M**
- Specially matched to the needs of productions in foundries, mechanical engineering and toolmaking
- Ideal for hardened and unhardened steels, tool steel, alloy stainless steels and cast iron materials



41 385 005



Cut 6

TiAlN-M coated for longer tool lives



42 401 Handsaw blade HSS bi-metal

highly flexible, unbreakable handsaw blade with a serrated strip made of specially hardened high-speed steel and a flexible back made of spring steel, inseparably welded together, maximum cutting rate and wear resistance, for sawing all materials, even high-alloy and stainless steels.

Primat



42 401 002

42 401...		teeth/inch	Size mm	PU
002		24	300 x 13 x 0.63	10

42 408 HSS bi-metal hand hacksaw blades "SANDFLEX"

HANCO

highly flexible, unbreakable handsaw blade with HSS teeth, with wavy set and backs made of spring steel, inseparably welded together, top quality for the highest standards, for sawing all materials, including high-alloy and stainless steels, Note: The saw blade with 24 teeth is for universal use.



42 408...

42 408...		teeth/inch	Size mm	PU
001		18	300 x 13 x 0.65	10
002		24	300 x 13 x 0.65	10
003		32	300 x 13 x 0.65	10

42 414 Hand hacksaw blade, double-sided

made of SS steel, flexible, non-brittle - not susceptible to breaking, double-sided



42 414 001

42 414...		teeth/inch	Size mm	PU
001		24	300 x 25 x 0.8	10

42 416 Saw wire, sintered carbide

for tiles, bricks, cast iron



42 416 001

Wire length mm	42 416...		Wire Ø mm
300	001		2.5

42 420 HSS sawing machine blades

maximum cutting rates for sawing tool, quenched and tempered and spring steels up to 1100 N/mm² strength



42 420...

Dimensions Length x Width x Thickness mm	Teeth/inch	42 420...	
300 x 25 x 1.5	10	076	
300 x 25 x 1.5	14	077	
*300 x 32 x 2.0	8	105	
*300 x 32 x 2.0	10	106	
*350 x 30 x 1.5	6	184	
*350 x 30 x 1.5	8	185	
*350 x 30 x 1.5	10	186	
*350 x 32 x 2.0	6	224	
*350 x 32 x 2.0	8	225	
*350 x 32 x 2.0	10	226	
*350 x 32 x 2.0	14	227	
*400 x 30 x 1.5	6	284	
*400 x 30 x 1.5	8	285	
*400 x 30 x 1.5	10	286	
*400 x 30 x 1.5	14	287	
*400 x 30 x 1.5	18	288	
*400 x 30 x 1.5	22	289	
*400 x 32 x 2.0	6	314	

Dimensions Length x Width x Thickness mm	Teeth/inch	42 420...	
*400 x 32 x 2.0	8	315	
*400 x 32 x 2.0	10	316	
*400 x 32 x 2.0	14	317	
425 x 32 x 2.0	6	394	
425 x 32 x 2.0	10	396	
*450 x 32 x 2.0	6	444	
*450 x 32 x 2.0	8	445	
*450 x 32 x 2.0	10	446	
500 x 40 x 2.0	4	563	
500 x 40 x 2.0	6	564	
500 x 40 x 2.0	8	565	
500 x 40 x 2.0	10	566	
550 x 50 x 2.5	6	734	
550 x 50 x 2.5	8	735	
600 x 50 x 2.5	6	804	
600 x 50 x 2.5	8	805	
650 x 50 x 2.5	4	843	
650 x 50 x 2.5	6	844	

* Also suitable for KASTO machines

42 421 HSS sawing machine blades

for KASTO sawing machines (with offset clamping holes)



42 421...

Dimensions Length x Width x Thickness mm	Teeth/inch	42 421...	
350 x 36 x 2.0	4	233	
350 x 36 x 2.0	6	234	
350 x 36 x 2.0	8	235	
450 x 40 x 2.0	4	453	
450 x 40 x 2.0	6	454	
450 x 40 x 2.0	10	456	

Dimensions Length x Width x Thickness mm	Teeth/inch	42 421...	
550 x 45 x 2.0	4	703	
550 x 45 x 2.0	6	704	
650 x 50 x 2.5	4	853	
650 x 50 x 2.5	6	854	
700 x 55 x 2.5	3	913	
700 x 55 x 2.5	4	914	

42 426 HSS bi-metal sawing machine blades

flexible sawing machine blade with a serrated strip made of specially hardened high-speed steel and blade bodies made of hardened and tempered tool steel, inseparably joined; this combination results in the achievement of higher rates with simultaneously greater safety, for sawing all materials up to 1200 N/mm² strength



42 426...

Dimensions Length x Width x Thickness mm	Teeth/inch	42 426...	
*300 x 32 x 1.6	6	094	
*300 x 32 x 1.6	8	095	
*350 x 32 x 1.6	8	215	
*350 x 32 x 1.6	10	216	
*350 x 32 x 1.6	14	217	
*400 x 32 x 1.6	4	303	
*400 x 32 x 1.6	6	304	
*400 x 32 x 1.6	8	305	
*400 x 32 x 1.6	10	306	
*400 x 32 x 1.6	14	307	
*450 x 32 x 1.6	6	434	
*450 x 32 x 1.6	8	435	
*450 x 32 x 1.6	10	436	
*450 x 32 x 1.6	14	437	

Dimensions Length x Width x Thickness mm	Teeth/inch	42 426...	
500 x 40 x 2.0	6	554	
500 x 40 x 2.0	8	555	
550 x 50 x 2.5	4	733	
550 x 50 x 2.5	6	734	
550 x 50 x 2.5	8	735	
600 x 50 x 2.5	3	802	
600 x 50 x 2.5	4	803	
600 x 50 x 2.5	6	804	
600 x 50 x 2.5	8	805	
650 x 50 x 2.5	4	843	
650 x 50 x 2.5	6	844	
650 x 50 x 2.5	8	845	
700 x 50 x 2.5	4	893	
700 x 50 x 2.5	6	894	

* Also suitable for KASTO machines

42 427 HSS bi-metal sawing machine blades for KASTO sawing machines (with offset clamping holes)



42 427...

Dimensions Length x Width x Thickness mm	Teeth/inch	42 427...	
400 x 40 x 2.0	4	343	
400 x 40 x 2.0	6	344	
400 x 40 x 2.0	8	345	
400 x 40 x 2.0	10	346	
400 x 40 x 2.0	14	347	
450 x 40 x 2.0	4	463	
450 x 40 x 2.0	6	464	
450 x 40 x 2.0	8	465	
450 x 40 x 2.0	10	466	
450 x 40 x 2.0	14	467	
500 x 50 x 2.5	4	593	
500 x 50 x 2.5	6	594	
500 x 50 x 2.5	8	595	

Dimensions Length x Width x Thickness mm	Teeth/inch	42 427...	
550 x 50 x 2.5	3	712	
550 x 50 x 2.5	4	713	
550 x 50 x 2.5	6	714	
550 x 50 x 2.5	8	715	
575 x 50 x 2.5	4	773	
575 x 50 x 2.5	6	774	
575 x 50 x 2.5	8	775	
650 x 50 x 2.5	4	843	
650 x 50 x 2.5	6	844	
650 x 50 x 2.5	8	845	
700 x 50 x 2.5	4	893	
700 x 50 x 2.5	6	894	
700 x 50 x 2.5	8	895	

42 432 HSS bi-metal sawing machine blades

flexible universal sawing machine blade, serrated strip made of high-speed steel and blade bodies made of specially tempered tool steel, sawing of materials up to 1200 N/mm² strength



42 432 001

Dimensions Length x Width x Thickness mm	Teeth/inch	42 432...	
*300 x 25 x 1.25	10	001	
*300 x 25 x 1.25	14	002	
*350 x 25 x 1.25	10	005	
*350 x 25 x 1.25	14	006	
*350 x 32 x 1.60	10	008	
*400 x 32 x 1.60	4	009	
*400 x 32 x 1.60	6	011	
*400 x 32 x 1.60	8	012	
*400 x 32 x 1.60	10	013	
*400 x 32 x 1.60	14	014	
*400 x 38 x 2.00	4	015	
*400 x 38 x 2.00	6	016	
*400 x 38 x 2.00	10	017	
*450 x 32 x 1.60	4	018	

Dimensions Length x Width x Thickness mm	Teeth/inch	42 432...	
*450 x 32 x 1.60	6	019	
*450 x 32 x 1.60	10	021	
450 x 38 x 2.00	4	022	
450 x 38 x 2.00	6	023	
450 x 38 x 2.00	8	024	
450 x 38 x 2.00	10	025	
500 x 38 x 2.00	6	026	
500 x 38 x 2.00	10	027	
550 x 45 x 2.25	4	031	
550 x 45 x 2.25	6	032	
600 x 50 x 2.50	4	034	
600 x 50 x 2.50	6	035	

* Also suitable for KASTO machines

42 433 HSS bi-metal sawing machine blades

for KASTO hacksawing machines, with offset clamping holes



42 433 083

Dimensions Length x Width x Thickness mm	Teeth/inch	42 433...	
450 x 38 x 2.0	4	083	
550 x 50 x 2.5	6	134	
575 x 50 x 2.5	4	153	

Dimensions Length x Width x Thickness mm	Teeth/inch	42 433...	
575 x 50 x 2.5	6	154	
600 x 50 x 2.5	4	173	
650 x 50 x 2.5	4	193	



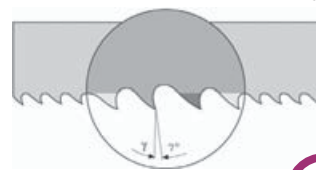
42 446 VP 7 HSS sawing machine blades

for economic cutting of long-chip and tough materials.

- Variable tooth set with **7° positive rake angle** enables larger cross-sectional areas to be cut by each tooth pitch
- **low-vibration and clean cut with the lowest noise level**
- optimum for cutting structural steel, case-hardening as well as quenched and tempered steels up to around 800 N/mm² strength
- stainless steels less than 50 mm cross-section or less than 10 mm wall thickness of pipes with appropriate tooth pitch



42 446...



Dimensions mm	variable teeth/inch	42 446...	
400 x 30 x 2.0	6 - 10	008	
400 x 35 x 2.0	4 - 7	012	
400 x 35 x 2.0	6 - 10	013	
450 x 35 x 2.0	4 - 7	017	
*450 x 40 x 2.0	4 - 7	021	
*700 x 55 x 2.5	4 - 7	063	
* Also suitable for KASTO machines Other dimensions available on request			

Choosing the right number of teeth:

Thickness to be cut
mm

Tooth pitch

up to 5	6/10
5 to 15	4/7 to 6/10
15 to 50	3/4 to 4/7
50 to 100	3/4
over 100	2/3,

soft material = coarser tooth pitch
harder material = finer tooth pitch

42 507 Metal band saw blades

made of high-alloy tool steel, for cutting many metals in general workshop operations



42 507...

Tooth form ST = regular (standard) set for normal steels

Band dimensions mm	Teeth/inch	42 507...	
3660 x 25 x 0.9	6	002	
3660 x 25 x 0.9	8	003	
3660 x 25 x 0.9	10	004	
3660 x 25 x 0.9	14	006	

42 501 Band saw blades, sintered carbide tipped "Xtra" triple set



- For highly-efficient sawing of extremely difficult to cut and abrasive materials
- Very well-suited for cutting very high-alloy stainless steels, titanium alloys and tool steels
- The patented "Triple Set" tooth geometry ensures maximum load and a very long life



42 501

Size mm	Teeth/inch	per metre	Welding costs
20 x 0.9	3		
20 x 0.9	4		
27 x 0.9	3		
27 x 0.9	4		
34 x 1.1	2		
34 x 1.1	3		
34 x 1.1	2/3		
34 x 1.1	3/4		
41 x 1.3	1.6		
41 x 1.3	2		
41 x 1.3	1.4/2		
41 x 1.3	2/3		
41 x 1.3	3/4		
54 x 1.3	1.4/2		
54 x 1.6	1.6		
54 x 1.6	2		
54 x 1.6	0.7/1		
54 x 1.6	1/1.25		
54 x 1.6	1.4/2		
54 x 1.6	2/3		
54 x 1.6	3/4		
67 x 1.6	0.7/1		
67 x 1.6	1/1.25		
80 x 1.6	1.4/2		
80 x 1.6	0.7/1		

Please note the following calculation example:

Band length: 5334 mm
Band width: 41 mm
Tooth set: 2/3 teeth per inch
 $5.334 \times 45.90 \text{ €} = 244.83 \text{ €} + 7.07 \text{ €} = 251.90 \text{ €}$
(metre) (welding)



42 508 M 42 bi-metal band saw blades

suitable for smaller, average and also for larger workpiece dimensions, for high productivity for the machining or cutting of solid materials, profiles/sections, bundles and pipes/tubes.



Tooth form ST = Regular tooth set

Tooth form C = Combination set, positive rake angle

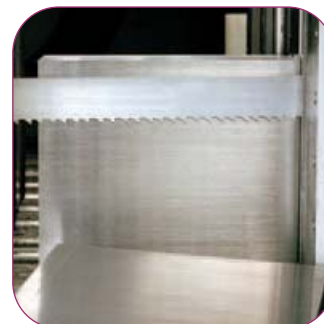
Dimensions / Tooth form	Teeth/inch	42 508...	
3660 x 27 x 0.9 mm			
ST	6	002	
ST	8	003	
ST	10	004	
ST	14	005	
C	3/4	015	
C	4/6	016	
C	6/10	018	
4120 x 27 x 0.9 mm			
ST	6	052	
ST	8	053	
C	3/4	065	
C	4/6	066	
C	6/10	068	

Other dimensions and sets available on request



42 508...

Longer tool life!



42 514 M 42 bi-metal band saw blades

"Sandflex® Cobra™"



Suitable for sawing all kinds of different materials, from aluminium to stainless steel. The tips of the teeth made of M42 high-speed steel provides heat and wear resistance and ensures a long blade life. The new, more stable tooth design ensures maximum cutting rates.

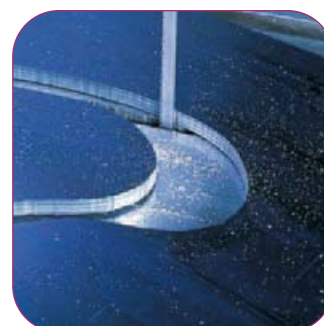
Dimensions / Teeth/inch	42 514...	
1138 x 13 x 0.65 mm		
5/8	010	
6/10	011	
8/12	012	
10/14	013	
1325 x 13 x 0.65 mm		
5/8	050	
6/10	051	
8/12	052	
10/14	053	
1470 x 13 x 0.65 mm		
5/8	064	
6/10	065	
8/12	066	
10/14	067	
1620 x 13 x 0.65 mm		
5/8	074	
6/10	075	
8/12	076	
10/14	077	
1735 x 13 x 0.9 mm		
6/10	081	
10/14	083	
2000 x 20 x 0.9 mm		
4/6	090	
5/8	091	
6/10	092	
2140 x 20 x 0.9 mm		
4/6	099	
5/8	100	
6/10	101	
2360 x 20 x 0.9 mm		
4/6	130	
5/8	131	
6/10	132	
2400 x 20 x 0.9 mm		
4/6	133	
5/8	134	
6/10	135	
2450 x 20 x 0.9 mm		
4/6	162	
5/8	163	
6/10	164	



42 514...



ideal for contour sawing too





Contented craftspeople can be spotted a mile off.

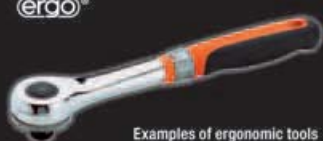
And the reasons for this are equally plain to see.

Premium-quality tools are an essential ingredient when it comes to ensuring maximum efficiency and perfect results. At the same time, they provide craftspeople with the satisfaction of knowing that they have invested in a “reliable partner” – the key to sustained success. It’s all made possible by ergonomic design, innovative details and the superior quality that is needed to meet the demands of a challenging work environment.

A job well done.

For example: Ergonomic hand hacksaw frame, 325

ergo[®]



Examples of ergonomic tools developed by Bahco, based on a scientifically recognised 11-point programme



■ Ergonomically designed with very high blade tension.

- Centred blade for correct balance and spring tensioned blade loading mechanism.
- Alternative 55° blade mounting for flush cutting.
- Supplied with the reliable and shatterproof SANDFLEX[®] Bi-metal blade.

42 515 M 42 bi-metal band saw blades

"Sandflex® Cobra™"

Suitable for sawing all kinds of different materials, from aluminium to stainless steel. The tips of the teeth made of M42 high-speed steel provides heat and wear resistance and ensures a long blade life. The new, more stable tooth design ensures maximum cutting rates.



42 515...

Also very suitable for sawing stainless steel.

Dimensions Teeth/inch	42 515...	
2450 x 27 x 0.9 mm		
2/3	830	
3/4	831	
4/6	832	
5/8	833	
6/10	834	
8/12	835	
10/14	836	
2710 x 27 x 0.9 mm		
2/3	001	
3/4	002	
4/6	003	
5/8	004	
6/10	005	
8/12	006	
10/14	007	
2760 x 27 x 0.9 mm		
2/3	021	
3/4	022	
4/6	023	
5/8	024	
6/10	025	
8/12	026	
10/14	027	
2825 x 27 x 0.9 mm		
2/3	840	
3/4	841	
4/6	842	
5/8	843	
6/10	844	
8/12	845	
10/14	846	
2835 x 27 x 0.9 mm		
2/3	041	
3/4	042	
4/6	043	
5/8	044	
6/10	045	
8/12	046	
10/14	047	
2910 x 27 x 0.9 mm		
2/3	061	
3/4	062	
4/6	063	
5/8	064	
6/10	065	
8/12	066	
10/14	067	
2950 x 27 x 0.9 mm		
2/3	080	
3/4	081	
4/6	082	
5/8	083	
6/10	084	
8/12	085	
10/14	086	
3000 x 27 x 0.9 mm		
2/3	100	
3/4	101	
4/6	102	
5/8	103	
6/10	104	
8/12	105	
10/14	106	

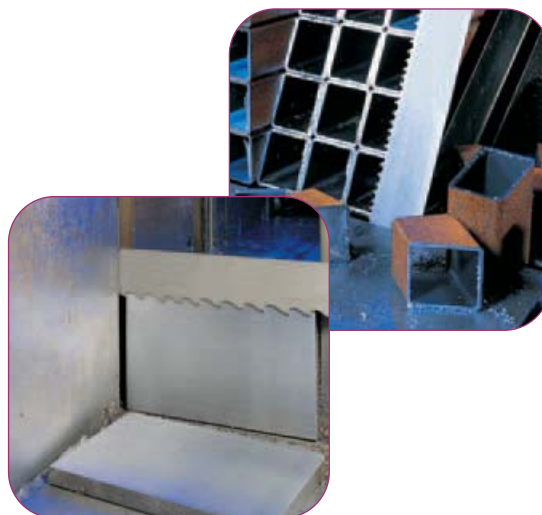
Size Teeth/inch	42 515...	
3180 x 27 x 0.9 mm		
2/3	850	
3/4	851	
4/6	852	
5/8	853	
6/10	854	
8/12	855	
10/14	856	
3280 x 27 x 0.9 mm		
2/3	120	
3/4	121	
4/6	122	
5/8	123	
6/10	124	
8/12	125	
10/14	126	
3350 x 27 x 0.9 mm		
2/3	140	
3/4	141	
4/6	142	
5/8	143	
6/10	144	
8/12	145	
10/14	146	
3370 x 27 x 0.9 mm		
2/3	160	
3/4	161	
4/6	162	
5/8	163	
6/10	164	
8/12	165	
10/14	166	
3505 x 27 x 0.9 mm		
2/3	860	
3/4	861	
4/6	862	
5/8	863	
6/10	864	
8/12	865	
10/14	866	
3660 x 27 x 0.9 mm		
2/3	180	
3/4	181	
4/6	182	
5/8	183	
6/10	184	
8/12	185	
10/14	186	
3700 x 27 x 0.9 mm		
2/3	200	
3/4	201	
4/6	202	
5/8	203	
6/10	204	
8/12	205	
10/14	206	
3800 x 27 x 0.9 mm		
2/3	220	
3/4	221	
4/6	222	
5/8	223	
6/10	224	
8/12	225	
10/14	226	



Size Teeth/inch	42 515...	
3830 x 27 x 0.9 mm		
2/3	240	
3/4	241	
4/6	242	
5/8	243	
6/10	244	
8/12	245	
10/14	246	
3900 x 27 x 0.9 mm		
2/3	260	
3/4	261	
4/6	262	
5/8	263	
6/10	264	
8/12	265	
10/14	266	
4020 x 27 x 0.9 mm		
2/3	280	
3/4	281	
4/6	282	
5/8	283	
6/10	284	
8/12	285	
10/14	286	
4120 x 27 x 0.9 mm		
2/3	300	
3/4	301	
4/6	302	
5/8	303	
6/10	304	
8/12	305	
10/14	306	
4150 x 27 x 0.9 mm		
2/3	320	
3/4	321	
4/6	322	
5/8	323	
6/10	324	
8/12	325	
10/14	326	
4870 x 27 x 0.9 mm		
2/3	340	
3/4	341	
4/6	342	
5/8	343	
6/10	344	
8/12	345	
10/14	346	
3505 x 34 x 1.1 mm		
2/3	600	
3/4	601	
4/6	602	
5/8	603	
6/10	604	
3800 x 34 x 1.1 mm		
2/3	620	
3/4	621	
4/6	622	
5/8	623	
6/10	624	
4100 x 34 x 1.1 mm		
2/3	640	
3/4	641	
4/6	642	
5/8	643	
6/10	644	

Other dimensions and sets available on request

Size Teeth/inch	42 515...	
4115 x 34 x 1.1 mm		
2/3	660	
3/4	661	
4/6	662	
5/8	663	
6/10	664	
4120 x 34 x 1.1 mm		
2/3	680	
3/4	681	
4/6	682	
5/8	683	
6/10	684	
4150 x 34 x 1.1 mm		
2/3	700	
3/4	701	
4/6	702	
5/8	703	
6/10	704	
4570 x 34 x 1.1 mm		
2/3	720	
3/4	721	
4/6	722	
5/8	723	
6/10	724	
4640 x 34 x 1.1 mm		
2/3	740	
3/4	741	
4/6	742	
5/8	743	
6/10	744	
4860 x 34 x 1.1 mm		
2/3	760	
3/4	761	
4/6	762	
5/8	763	
6/10	764	
4870 x 34 x 1.1 mm		
2/3	780	
3/4	781	
4/6	782	
5/8	783	
6/10	784	
4930 x 34 x 1.1 mm		
2/3	800	
3/4	801	
4/6	802	
5/8	803	
6/10	804	
5334 x 34 x 1.1 mm		
2/3	870	
3/4	871	
4/6	872	
5/8	873	
6/10	874	



42 518 EASY - CUT metal band saw blade

New patented tooth form for sawing a large number of material cross-sections and tapes with only one band. The tooth geometry reduces vibrations on the cut surface, irrespective of the material shape. Fatigue-resistant substrate and M42-HSS tooth tips provide good cutting rates and a long blade life

S: suitable for small workpieces

M: suitable for medium-sized workpieces

L: suitable for large workpieces



42 518...

Size mm	42 518...	
1138 x 13 x 0.6-S	001	
1325 x 13 x 0.6-S	003	
2140 x 20 x 0.9-S	005	
2400 x 20 x 0.9-M	007	
2450 x 27 x 0.9-L	009	
2835 x 27 x 0.9-S	011	
2910 x 27 x 0.9-S	013	
3180 x 27 x 0.9-M	015	
3350 x 27 x 0.9-M	017	
3505 x 27 x 0.9-M	019	
3660 x 27 x 0.9-M	021	
3800 x 27 x 0.9-M	023	
3830 x 27 x 0.9-M	025	
4120 x 27 x 0.9-M	027	
3660 x 27 x 0.9-L	029	
3830 x 27 x 0.9-L	031	
4120 x 27 x 0.9-L	033	
4150 x 27 x 0.9-L	035	
3505 x 34 x 1.1-S	037	
3800 x 34 x 1.1-S	039	
4100 x 34 x 1.1-M	041	
4115 x 34 x 1.1-M	043	
4570 x 34 x 1.1-L	045	
4870 x 34 x 1.1-L	047	
5334 x 34 x 1.1-L	049	



42 517 M 42 bi-metal band saw blades SANDFLEX King Cobra PHG

This band is ideally suited for cutting large and difficult to cut materials. The special tooth geometry combined with ground teeth ensures problem-free cutting of extremely demanding materials. The fatigue-resistant substrate combined with the M 42 tooth tips ensure maximum use performance.



42 517...

Ground teeth -
long life

Teeth/inch	42 517...	
3830 x 27 x 0.9 mm		
2/3	001	
3/4	002	
4/6	003	
4930 x 34 x 1.1 mm		
2/3	030	
3/4	031	
4/6	032	
4623 x 41 x 1.3 mm		
2/3	040	
3/4	041	
4/6	042	

Other dimensions and sets available on request

Teeth/inch	42 517...	
5334 x 41 x 1.3 mm		
2/3	080	
3/4	081	
4/6	082	
6300 x 41 x 1.3 mm		
2/3	090	
3/4	110	
4/6	111	
7200 x 54 x 1.6 mm		
1.4/2	112	
2/3	114	

42 521 Metal band saw blades

made of high-alloy tool steel, in rolls of 30.5 m

Tooth form ST = regular set

Tooth form R = positive hook tooth



42 521...

Blade width mm	42 521...		Blade thickness mm	Teeth/inch	Tooth form
6	061		0.65	4	K
6	062		0.65	6	K
6	063		0.65	8	ST
6	064		0.65	10	ST
6	065		0.65	14	ST
8	083		0.65	8	ST
8	084		0.65	10	ST
8	085		0.65	14	ST
10	101		0.65	4	K

Blade width mm	42 521...		Blade thickness mm	Teeth/inch	Tooth form
10	102		0.65	6	K
10	103		0.65	8	ST
10	104		0.65	10	ST
10	105		0.65	14	ST
13	131		0.65	4	K
13	132		0.65	6	K
13	133		0.65	8	ST
13	134		0.65	10	ST
13	135		0.65	14	R

42 523 M42 metal band saw blades

HSS bi-metal, in rolls of 30 m

Tooth form ST = regular set

Tooth form K = positive hook tooth

Tooth form C = combination set



42 523...

Blade width mm	42 523...		Blade thickness mm	Teeth/inch	Tooth form
6	061		0.6	10/14	C
6	062		0.9	10	ST
6	063		0.9	14	ST
6	064		0.9	10/14	C
10	101		0.6	10/14	C
10	102		0.9	6	K
10	103		0.9	10	ST
10	104		0.9	10/14	C
13	131		0.6	10	ST

Blade width mm	42 523...		Blade thickness mm	Teeth/inch	Tooth form
13	132		0.6	14	ST
13	133		0.6	10/14	C
13	134		0.9	4	K
13	135		0.9	6	K
13	136		0.9	8	ST
13	137		0.9	10	ST
13	138		0.9	14	ST
13	139		0.9	6/10	C
13	140		0.9	10/14	C





Cutting quality:

Coarse cut

Ideal for softwood, hardwood, particle boards, MDF.



Medium-fine cut

Ideal for softwood, hardwood, particle boards, MDF.



Fine cut

Ideal for hardwood, (1-side) laminated boards, plywood, laminated boards, MDF.



Super-fine cut

Ideal for hardwood, (2-side) laminated boards, plywood, laminated boards, MDF.



Saw blade body

Stiff, dimensionally stable SK5 steel, hardened (>40 HRC)

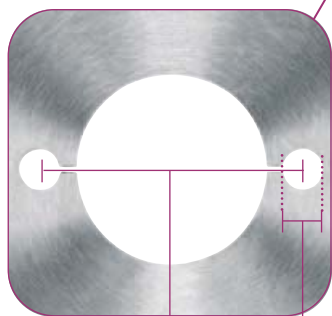
Sintered carbide teeth

WZ: Positive alternating teeth.

WZ/N: 5° negative alternating teeth, for safe cuts on mitre saws.

Body and expansion slits

They reduce vibrations, have a noise-damping effect and reduce the amount of heat produced.



TKS

NL



- long life, high cutting speed and precision
- ideal for precise quality cuts in all standard woodworking applications
- Softwood, hardwood, fibreboard and laminated timber as well as particleboard, glulam and MDF boards are precisely cut

- Alternating teeth made of high-quality sintered carbide
- Small bore diameter with reducing ring

42 620 HM saw blades for portable circular saws



BOSCH



42 620...



External Ø	42 620...		Bore	Bore with reducing ring	Kerf width	Blade body thickness	No. of teeth	Cutting quality	Tooth form	NL	Ø TKS
mm			mm	mm	mm	mm				mm	mm
150	003		20	16	2.4	1.4	24	••	WZ	7	42
150	006		20	16	2.4	1.4	36	•••	WZ	7	42
160	009		20	16	2.6	1.6	48	••••	WZ	6	32
170	012		30	-	2.6	1.6	24	••	WZ	-	-
170	015		30	-	2.6	1.6	36	•••	WZ	-	-
180	018		30	20	2.6	1.6	24	••	WZ	-	-
180	021		30	20	2.6	1.6	36	•••	WZ	-	-
190	024		30	-	2.6	1.6	24	••	WZ	7	42
190	027		30	-	2.6	1.6	48	••••	WZ	7	42
200	030		30	-	2.8	1.8	48	••••	WZ	7	42
210	033		30	-	2.8	1.8	24	••	WZ	-	-
210	036		30	-	2.8	1.8	48	••••	WZ	-	-
225	039		30	-	2.8	1.8	36	••	WZ	7	42
250	042		30	-	3.2	2.2	40	•••	WZ	7	42
250	045		30	-	3.2	2.2	60	••••	WZ	7	42

NL: off-centre hole; TKS: Reference circle

42 622 HM saw blades for mitre saws



42 622...

External Ø mm	42 622...		Bore mm	Kerf width mm	Blade body thickness mm	No. of teeth	Cutting quality	Tooth form
210	003		30	2.0	1.4	48	...	WZ/N
210	006		30	2.5	1.8	24	..	WZ/N
216	009		30	2.0	1.4	24	..	WZ/N
216	012		30	2.0	1.4	48	...	WZ/N
216	015		30	2.0	1.4	60	....	WZ/N
254	018		30	2.0	1.4	24	..	WZ/N
254	021		30	2.0	1.4	40	...	WZ/N
254	024		30	2.0	1.4	40	...	WZ
254	027		30	2.0	1.4	60	....	WZ/N
254	030		30	2.5	1.8	80	....	WZ/N
254	033		30	2.5	1.8	80	....	WZ
254	036		30	2.8	1.8	40	...	WZ
254	039		30	2.8	1.8	60	....	WZ
305	042		30	2.5	1.8	40	...	WZ/N
305	045		30	2.5	1.8	60	....	WZ/N
305	048		30	2.5	1.8	96	....	WZ/N

42 624 HM saw blades for (circular) table saws



42 624...

External Ø mm	42 624...		Bore mm	Kerf width mm	Blade body thickness mm	No. of teeth	Cutting quality	NL mm	Ø TKS mm
250	003		30	3.2	2.2	40	...	7	42
250	006		30	3.2	2.2	60	....	7	42
250	009		30	3.2	2.2	80	....	7	42
300	012		30	3.2	2.2	48	...	7/10	42/60
300	015		30	3.2	2.2	96	....	7/10	42/60
315	018		30	3.2	2.2	48	...	7	42
315	021		30	3.2	2.2	60	....	7	42
350	024		30	3.2	2.5	54	...	10	60
350	027		30	3.5	2.5	84	....	10	60
400	030		30	3.5	2.5	60	...	10	60

NL: off-centre hole; TKS: Reference circle

- for fast lengthwise (rip) and cross cuts in all types of wood
- both rough cuts in wood or board materials as well as precise angular cuts can be quickly mastered
- the special tooth design ensures a controlled and to a large extent vibration-free cut

42 630 HM saw blades for portable circular saws



BOSCH



42 630...

External Ø mm	42 630...		Bore mm	Bore with reducing ring mm	Kerf width mm	Blade body thickness mm	No. of teeth	Cutting quality	Tooth form
130	003		16	-	2.2	1.4	9	•	FZ/WZ
130	006		16	-	2.2	1.4	18	••	FZ/WZ
150	009		20	-	2.2	1.4	9	•	FZ/WZ
150	012		20	-	2.2	1.4	18	••	FZ/WZ
160	015		20	-	2.4	1.6	12	•	FZ/WZ
160	018		20	-	2.4	1.6	18	••	FZ/WZ
165	024		30	20	2.4	1.6	18	••	FZ/WZ
170	027		30	-	2.4	1.6	12	•	FZ/WZ
170	030		30	-	2.4	1.6	18	••	FZ/WZ
180	033		30	-	2.4	1.6	12	•	FZ/WZ
180	036		30	-	2.4	1.6	24	••	FZ/WZ
184	039		30	-	2.4	1.6	24	••	FZ/WZ
190	042		20	16	2.6	1.6	24	••	FZ/WZ
190	045		30	-	2.6	1.8	24	••	FZ/WZ
210	048		30	-	2.6	1.8	18	•	FZ/WZ
210	051		30	-	2.6	1.8	30	••	FZ/WZ
230	054		30	-	2.6	1.8	18	•	FZ/WZ
230	057		30	-	2.6	1.8	30	••	FZ/WZ

42 632 HM saw blades for (circular) table saws



BOSCH



42 632...

External Ø mm	42 632...		Bore mm	Kerf width mm	Blade body thickness mm	No. of teeth	Cutting quality	NL mm	Ø TKS mm
300	003		30	3.2	2.2	28	••	7/10	10/60
315	006		30	3.2	2.2	28	••	7	42
350	009		30	3.5	2.5	32	••	10	60
400	012		30	3.5	2.5	36	••	10	60
450	015		30	3.8	2.8	40	••	10	60
500	018		30	3.8	2.8	44	••	-	-

NL: off-centre hole; TKS: Reference circle



One circular saw blade only for all applications. The perfect blade for interior finishes or exhibition stand construction. Alternately arranged trapezoidal/flat teeth made of sintered carbide ensure a

powerful cut with clean cut edges in all kinds of different materials. The negative rank angle ensures safe working in the different materials.

42 640 HM saw blades for portable circular saws


BOSCH


42 640...

External Ø mm	42 640...		Bore mm	Kerf width mm	Blade body thickness mm	No. of teeth	Cutting quality	Tooth form
160	001		20	2.4	1.8	42	....	TR-F
190	003		30	2.4	1.8	54	....	TR-F
200	006		30	2.4	1.8	54	....	TR-F
210	009		30	2.4	1.8	54	....	TR-F

42 642 HM saw blades for mitre saws and circular table saws


BOSCH


42 642...

External Ø mm	42 642...		Bore mm	Kerf width mm	Blade body thickness mm	No. of teeth	Cutting quality	Tooth form
210	003		30	2.5	1.8	80	....	TR-F
254	006		30	3.2	2.5	60	....	TR-F
254	009		30	3.2	2.5	80	....	TR-F
305	012		30	3.2	2.5	80	....	TR-F
305	015		30	3.2	2.5	96	....	TR-F
350	018		30	3.2	2.5	90	....	TR-F



For rough cuts through construction site wood. Chamfered sintered carbide flat teeth and the special tooth design ensure lasting resistance and hard "bite". Stiff, dimensionally stable backs additionally enhance the robustness. Construction timber, formwork

boards, aerated concrete blocks and particle boards are effortlessly cut. Even nails or residual concrete cause no obstacles.

42 650 HM saw blades for (circular) table saws


BOSCH


42 650...

External Ø mm	42 650...		Bore mm	Kerf width mm	Blade body thickness mm	No. of teeth	Cutting quality
300	003		30	3.2	2.2	20	•
315	006		30	3.2	2.2	20	•
350	009		30	3.5	2.5	24	•
400	012		30	3.5	2.5	28	•
450	015		30	3.8	2.5	32	•
500	018		30	3.8	2.5	36	•



HCS

High-carbon steel for use in softer materials such as wood, wood fibreboards, plastics.

Bi-metal (BiM)

A highly flexible combination of HSS and HCS for the highest standards. The particularly pliable BiM saw blades are used if there is a risk of shank breakage. Their life is around twice as long as that of HSS blades and around ten times longer than that of HCS blades.

HSS

Fully hardened high-speed steel for use in harder materials such as metal, aluminium and non-ferrous metals.

HM

Hard metal (sintered carbide) saw blades are particularly efficient. The HM teeth bite through glass fibre reinforced plastic or aerated concrete. HM serrated strips cut stainless steel. A coating with HM grains (=Riff) cuts abrasive materials such as tiles or GRP.

42 700 Jigsaw blades

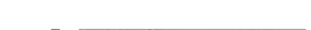
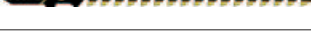
with single lug shank, for electric jigsaws



Type Material	42 700...		Blades per pack	Nominal (serrated) length mm	Tooth pitch mm	For material thicknesses mm	Image	Use
For wood								
T111C , HCS milled	001 002		5 25	74	3	4 - 50		Softwood, particle and laminate boards, fast cut
T119B , HCS milled	030		5	91.5	2	2 - 15		Softwood and plywood
T119BO , HCS milled	040		5	82.6	2	2 - 15		as T119B; however, especially for cutting tight curves
T144D , HCS ground	080 081 082		5 25 100	74	4	5 - 50		Softwood, particle and laminate boards, fast cut
T244D , HCS ground	100 101 102		5 25 100	74	4	5 - 50		as T144D; however, especially for cutting tight curves
T144DF , BIM ground	200		5	74	4	5 - 50		Hardwood and softwood all types of boards
T101AO , HCS ground	250		5	82.6	1.5	1.5 - 15		especially for cutting tight curves
T101BR , HCS ground	280		5	74	2.5	3 - 30		Softwood and overlaid panels
T101D , HCS ground	290 291 292		5 25 100	74	4	10 - 45		Softwood, particle and laminate boards
T301CD , HCS ground	300		5	91	3	10 - 65		Softwood, particle and laminate boards
T101BF , BIM ground	400		5	74	2.5	< 30		Hardwood, laminates, overlaid panels
T144DP , HCS ground	330 331		5 25	74	4	5 - 50		Softwood, particle and laminate boards, fast cut
T301BCP , HCS ground	338		5	91	2.5	3 - 65		as T144DP; however, very clean cut
T344DP , HCS ground	350		5	126	4	5 - 100		thick construction timber, softwood < 100
T101B , HCS ground	380 381 382		5 25 100	74	2.5	3 - 30		Softwood, particleboard, laminate board and fibre- boards 3 - 30 mm and plastics/epoxy < 30 mm)
T234X , HCS ground	440		5	91	2 - 3	2 - 65		Softwood, particle and laminate boards
T101BIF , HCS ground	460		5	91	2 - 3	2 - 65		for all laminate applications
For sheet metals and rough wood with nails								
T123X HSS	450		5	74	1.2 - 2.6	1.5 - 10		Sheet metals 1.5 - 10 mm, pipes and profiles/sections incl. aluminium) < 30 mm
T345XF , BIM milled	480 481		5 25	106	2.4 - 5	Wood < 65 and sheet metals / pipes 3 - 10		Construction timber, rough wood with nails and sheet met- als, pipes, as well as aluminium

Continued on next page



Type Material	42 700...		Blades per pack	Nominal (serrated) length mm	Tooth pitch mm	For material thicknesses mm	Image	Use
For sheet metals and pipes, as well as aluminium								
T318A , HSS milled	600		5	106	1.2	1 - 3 and pipes < 65		thin sheet metals and pipes, as well as aluminium
T318B , HSS milled	620		5	106	2	2.5 - 6 and pipes < 65		medium-thickness sheet metals and pipes, as well as aluminium
T118A , HSS milled	640 641 642		5 25 100	91.5	1.2	1 - 3		thin sheet metals
T118B , HSS milled	670 671		5 25	91.5	2	2.5 - 6		medium-thickness sheet metals
T118G , HSS milled	680		5	21.5	0.7	0.5 - 1.5		very thin sheet metals
T127D , HSS milled	700		5	74	3	3 - 15 and < 30		especially for aluminium
T227D , HSS milled	720		5	74	3	3 - 15 and < 30		as T127D; however, especially for cutting tight curves
T118BF , BIM milled	750		5	57	2	2.5 - 6		medium-thickness sheet metals
T118AF , BIM milled	760 761		5 25	91.5	1.2	1 - 3		thin sheet metals
T318AF , BIM milled	780		5	106	1.1	1 - 3 and < 65		thin sheet metals and pipes / profiles/sections < 65 mm
T118GFS , BIM milled	782		5	57	0.8	2.5 - 6		thin sheet metals
T118EFS , BIM milled	790		5	57	1.4	2.5 - 6		thin sheet metals and pipes / profiles/sections < 65 mm
For INOX sheet metals								
T118AHM , HM ground	800		3	82.6	1.1	1.5 - 3		thin stainless steel sheets
T118EHM , HM ground	810		3	82.6	1.4	2 - 5		medium-thickness stainless steel sheets
For soft materials								
T113A , HCS ground	820		3	74	knife- edge	< 50		All soft materials
For cast iron, tiles, gypsum board								
T130Riff , HM Riff grain	830		3	82.6	Grain 30	5 - 15		soft tiles, cast iron, rough cut
T150Riff , HM Riff grain	850		3	82.6	Grain 50	5 - 10		soft tiles, cast iron, fine cut
T141HM , HM ground	860		3	74	4.3	5 - 50		gypsum board, fibrated cement panels
T341HM , HM ground	865		3	106	4.3	5 - 80		gypsum board, fibrated cement panels
For Plexiglas, abrasive plastics								
T101A , HSS ground	870		5	74	2	2 - 20		Plexiglas, polycarbonate

42 702 Jigsaw blade assortments with single lug shank



BOSCH Type No.	Contents Qty	42 702...	Usage
T118A, T118B, T118G, T127D and T227D	2 each	001	Fast, coarse, fine and tight curved cuts in aluminium, non-ferrous metal and metal
T144D, T244D, T101AO, T101B, T101BR, T118BF, T118AHM, T130Riff, T113A and anti-splinter guard	1 each	004	Fast, coarse, fine, splinter-free and tight-curved cuts in wood, plastic, metal, non-ferrous metal, Inox, aluminium, polystyrene, rubber, leather, ceramics tiles



...001



...004

42 704 Jigsaw blades for fine

suitable for fine jigsaws



Size	42 704...	Blades per pack	Nominal (serrated) length mm	Tooth pitch mm	Image	Use
F 1 D	001	5	60	4.0		Softwood, particleboard, laminate board, fibreboards (10 - 45 mm)
F 18 G	003	5	50	0.7		very thin metal sheets (0.5 - 1.5 mm)
F 18 AF	005	5	60	1.2		Dünne Bleche (2.5 - 6 mm)
F 18 BF	007	5	60	2		medium-thick metal sheets (2.5 - 6 mm)
F 127 DF	009	5	75	3		Thin to thick metal sheets (3 - 15 mm), pipes and profiles/sections, incl. plastics/epoxy (Ø < 30 mm)

42 708 Sabre saw blades



Bosch Type	42 708...	Blades per pack	Size mm	Tooth pitch mm	For material thicknesses mm	Image	Special features
For wood							
S1617K, HCS milled	001	5	300 x 19 x 1.25	8.5	20 - 250		Rough wood without nails, living wood
S1531L, HCS ground	010	5	240 x 19 x 1.50	5	15 - 190		Rough wood without nails, living wood, firewood
S644D, HCS ground	015	5	150 x 19 x 1.25	4.3	6 - 100 and boards < 60		Carcassing timber, plywood and for submerged cuts
S2345X, HCS ground	500	5	200 x 19 x 1.25	prog.	6 - 150 and boards < 60		Carcassing timber, plywood, plastic
For wood with nails							
S922VF, BIM milled	070	5	150 x 19 x 0.9	1.8-2.6	5 - 100		Wood with nails, sheet metals, pipes, profiles/sections
S1411DF, BIM milled	080	5	300 x 19 x 1.25	4.3	10 - 250		Wood with nails, particle boards, aerated concrete
S1222VF, BIM milled	090	5	300 x 19 x 0.9	1.8-2.6	5 - 250		Wood with nails, sheet metals, plastic profiles
S3456XF, BIM milled	520	5	200 x 19 x 1.25	prog.	5 - 150, pipes 3 - 18		Wood with nails / metal, particle boards, metal sheets, aluminium sections and plastics

Continued on next page



42 708 Sabre saw blades (continued)



Bosch Type	42 708...		Blades per pack	Size mm	Tooth pitch mm	For material thicknesses mm	Bild	Special features
For sheet metals and pipes								
S522AF, BIM milled	120		5	100 x 19 x 0.9	1	0.7 - 3		thin sheet metals fine cut
S922EF, BIM milled	140		5	150 x 19 x 0.9	1.4	1.5 - 4		thin sheet metals, pipes / profiles/sections 5 - 100 mm
S1122EF, BIM milled	160		5	225 x 19 x 0.9	1.4	1.5 - 4		thin sheet metals, pipes / profiles/sections 5 - 175 mm
S922BF, BIM milled	180		5	150 x 19 x 0.9	1.8	3 - 8		thick sheet metals, pipes 10 - 100 mm
S1122BF, BIM milled	200		5	225 x 19 x 0.9	1.8	3 - 8		thick sheet metals, pipes 10 - 175 mm
S123XF, BIM milled	540		5	150 x 19 x 0.9	prog.	1 - 8		thin to thick sheet metals and profiles/sections
S1025HF, BIM milled	300		5	200 x 19 x 1.25	2.5	3 - 12		thick metal sheets, solid pipes / profiles / sections
S1025VF, BIM milled	320		5	200 x 19 x 1.25	1.8-2.6	2 - 12		medium-thick to thick metal sheets, fine cut
S920CF, BIM milled	340		5	150 x 22 x 1.60	2.9	4 - 10		ideal for pipe cutting, rescue and demolition work
S1120CF, BIM milled	360		5	225 x 22 x 1.60	2.9	4 - 10		ideal for pipe cutting, rescue and demolition work
For aerated concrete, cast steel and INOX metal sheets								
S641HM, HM ground	410		2	150 x 19 x 1.25	4.3	6 - 100		Aerated concrete, brick, fibrated cement
S1141HM, HM ground	430		2	225 x 19 x 1.25	8.5	10 - 175		Aerated concrete, brick, fibrated cement
S1130Riff, HM Riff grain	450		2	225 x 19 x 1.25	Grain 30	max. 6"		Cast steel pipes, red brick 10 - 175 mm
S518EHM, HM ground	480		2	115 x 19 x 1.25	1.4	2 - 4		INOX metal sheets 2 - 4 mm, profiles/sections 2 - 50 mm, stroke number reduction / cooling!

42 816 Coolant and lubricant

up to 50% faster cut,

- for metal and wood applications
- Substantial tool life extension,
- Residue free, can be immediately painted,
- Does not contain silicone,
- Soluble in water, non-toxic



biologically degradable



42 816 001

Contents ml	42 816...		Container
170	001		Spray can



ORDERS REP. PACK
IBEMO Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com



Recommended speeds for HSS-BI holesaws in different materials (rpm)

Saw Ø mm				Brass		Wood
14	580	400	300	790	900	3000
16	550	365	275	730	825	3000
17	500	330	250	665	750	3000
19	460	300	230	600	690	3000
20	440	290	220	580	660	3000
21	425	280	210	560	635	3000
22	390	260	195	520	585	3000
24	370	245	185	495	555	3000
25	350	235	175	470	525	2700
27	325	215	160	435	480	2700
29	300	200	150	400	450	2700
30	285	190	145	380	425	2400
32	275	180	140	380	410	2400
33	260	175	135	345	390	2400
35	250	165	125	330	375	2400
37	240	160	120	315	360	2400
38	230	150	115	300	345	2400
40	220	145	110	290	330	2100
41	210	140	105	280	315	2100
43	205	135	100	270	305	2100
44	195	130	95	260	295	2100
46	190	125	95	250	285	2100

Saw Ø mm	Structural steel	Cast iron	Tool steel, stainless steel	Brass	Alu- minium	Wood
48	180	120	90	240	270	2100
51	170	115	85	230	255	2000
52	165	110	80	220	245	2000
54	160	105	80	210	240	2000
57	150	100	75	200	225	2000
59	145	100	75	195	225	2000
60	140	95	70	190	220	2000
64	135	90	65	180	205	1800
65	130	85	65	175	200	1800
67	130	85	65	170	195	1800
70	125	80	60	160	185	1800
73	120	80	60	160	180	1800
76	115	75	55	150	170	1500
79	110	70	55	140	165	1500
83	105	70	50	140	155	1500
86	100	65	50	130	150	1200
89	95	65	45	130	145	1200
92	95	60	45	120	140	1200
95	90	60	45	120	135	1200
102	85	55	40	110	130	1000
105	80	55	40	110	120	1000

42 818 HSS bi-metal hole saws

with variable tooth pitch

- low vibration less heat produced
- higher degree of trueness
- more uniform cut
- cutting depth up to max. 32 mm
- for handdrills and column drills / bench drill presses

Range of uses:

- Steel, non-ferrous and lightweight metals, cast iron, wood with nails, particle boards, gypsum board and plastics

For suitable mounting shanks see 42 822...



42 818...

42 819 Holesaws, HSS bi-metal

with stainless steel guarantee

Advantages: higher wear resistance and tool lives, especially suitable for stainless steel applications, variable tooth set and 38 mm cutting depth, shockproof teeth and low vibration.

For suitable mounting shanks see 42 823...



42 819...

Saw Ø mm	42 818... 	42 819... 	
14	014	-	-
16	016	-	-
17	017	-	-
19	019	019	-
20	020	020	-
21	021	-	-
22	022	022	-
24	024	-	-
25	025	025	-
27	027	-	-
29	029	029	-
30	030	030	-
32	032	032	-
33	033	033	-
35	035	035	-
37	037	-	-
38	038	038	-
40	040	040	-
41	041	-	-
43	043	043	-
44	044	044	-
46	046	-	-

Saw Ø mm	42 818... 	42 819... 	
48	048	048	-
51	051	051	-
52	052	-	-
54	054	054	-
57	057	057	-
59	059	059	-
60	060	060	-
64	064	064	-
65	065	065	-
67	067	067	-
68	068	068	-
70	070	-	-
73	073	-	-
76	076	076	-
79	079	-	-
83	083	083	-
86	086	-	-
89	089	089	-
92	092	-	-
95	095	-	-
102	102	102	-
105	105	-	-

42 822 Accessories for **Primat** holesaws

suitable for the holesaws 42 818...



	42 822...		Shank size hexagon mm	for drill chuck mm
Mounting shank with pilot bit				
for saw Ø 14 - 30 mm	001		11	13
for saw Ø 32 - 105 mm	002		11	13
for saw Ø 32 - 105 mm	003		16	16
for saw Ø 14 - 30 mm	004		6.5 cyl.	10 - 13
Replacement HSS pilot bit	011		6.35 x 70 mm	
Ejection spring for ejecting the workpiece	021		-	
300 mm extension			Shank size mm	for drill chuck mm
for mounting shanks	031		11	13



42 822 001 - 004



42 822 011



42 822 021



42 822 031

42 823 Accessories **LENOX** holesaws

suitable for the holesaws 42 819...

For saw Ø mm	42 823...		Shank shape
14 - 29	008		Hexagon
30 - 152	012		Hexagon
Replacement HSS-E pilot bit	050		6.4 mm



42 823 008



42 823 012



42 823 050

42 828 Holesaw assortments

with stainless steel guarantee

Type as Prod. No.: 42 819..., in stable plastic case

LENOX

stainless
steel



...006



...012



...016

Scope of supply	42 828...	
Sanitary 1 hole saw 19, 22, 29, 38, 44 and 68 mm (3/4", 7/8", 1 1/8", 1 1/2", 1 3/4", 2 11/16"), 2 holders, 1 pilot bit	006	
Electrician 1 holesaw 16, 19, 22, 25, 29, 32, 35, 38, 41, 51, 68, 76 mm (5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 3/4", 2", 2 11/16", 3"), 2 holders, 3 pilot bits	012	
Electrician 1 holesaw 19, 22, 25, 29, 35, 38, 44, 51, 57, 68, 76, 83, 92, 105, 121 mm (3/4", 7/8", 1", 1 1/8", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/4", 2 11/16", 3", 3 1/4", 3 5/8", 3 3/4", 4 1/8", 4 3/4"), 2 holders, 3 pilot bits	016	

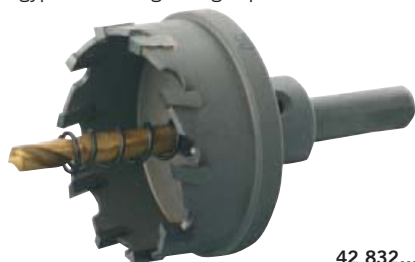
42 832 Sintered carbide tipped holesaws

Technical description:

- for handdrills and column / bench drills
- Crown and shank made of one piece with interchangeable centre drill bit
- Robustly designed for high concentricity speed, with positive rake angle
- Thick sintered carbide edging - therefore the sintered carbide teeth can be reground up to 5 times

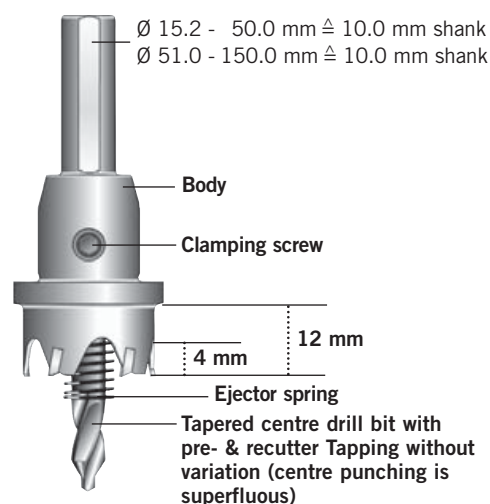
Range of uses:

- Stainless steel (up to 2 mm), glass fibre, plastic, non-ferrous metal, steel, gypsum and lightweight panels



42 832...

Primat



Saw Ø mm	42 832...	
15.2PG 9	001	
16	002	
17	003	
18	004	
18.6PG 11	005	
19	006	
20	007	
20.4PG 13	008	
21	009	
22	011	
22.5PG 16	012	
23	013	
24	014	
25	015	
26	016	
27	017	
28	018	
28.3PG 21	019	
29	020	
30	022	
31	023	

Saw Ø mm	42 832...	
32	024	
33	025	
34	026	
35	027	
36	028	
37PG 29	029	
38	031	
39	032	
40	033	
41	034	
42	035	
43	036	
44	037	
45	038	
46	039	
47PG 36	041	
48	042	
49	043	
50	044	
51	045	
52	046	

Saw Ø mm	42 832...	
53	047	
54PG 42	048	
55	049	
56	050	
57	052	
58	051	
59	053	
60PG 48	055	
65	060	
68	064	
70	066	
75	075	
80	077	
90	090	
100	100	
105	105	
110	110	
115	115	
120	120	

42 833 Replacement pilot bit

for hole saws 42 832...

Drill bit Ø mm	42 833...		Quality	Drill bit length mm	For saw Ø mm
6	006		HSS	60	15.2 - 47
8	008		HSS	60	48 - 120
6	016		HM	60	15.2 - 47
8	018		HM	60	48 - 120



42 833 008



42 833 018

42 846 Metal saw blade holder

made of plastic, for metal saw blades of any length, max. blade width 13 mm, diverse possible uses, especially in difficult to access places, handy handle, flat.

Suitable replacement saw blade 42 401 002

42 846...	
001	

Primat



42 846 001

42 847 Metal saw blade holder

made of aluminium, mini saw frame for working in difficult to access places. Complete with SANDFLEX® bi-metal blade, 24 teeth per inch. Suitable replacement saw blade 42 401 002

42 847...	
002	

LANCO



42 847 002

42 840 Metal saw frame

DIN 6473, shape A, made of flat steel, with heavy cross recessed head bolt, both sides with captive pins, blade tension with wing nut, fixed, 760 g,
Silver grey powdered frame, with painted beechwood handle



42 840 001

Blade length mm	42 840...		Frame thickness mm	Total length mm
300	001		18 x 8	520

42 844 Metal saw frame

Frame made of **aluminium** and square tubular steel, the frame tube can be used as a reserve blade store and can be used as a compass saw by means of the saw blade fixing screw, handy handle, blade clamping at 0° and 55°, supplied **with bi-metal saw blade**



42 844 005

Blade length mm	42 844...		Tube cross-section mm	Total length mm
300	005		20 x 12	390

42 841 Metal saw frame

Lightweight two-component frame with steel core. Clamping mechanism integrated in the handle. Alternative blade clamping at 55° for flush cuts, supplied **with bi-metal saw blade**



42 841 001

Blade length mm	42 841...		Frame thickness mm	Total length mm
300	001		20	390

42 845 Bahco Ergo metal saw frame

Ergonomically designed with very high blade tension for straight, clean cuts and precise cut joints.

Centred blade for correct balance, spring-loaded blade fixing for fast blade change.

Alternative blade clamp at 55° for flush cuts.

Incl. breakproof bi-metal blade with 24 teeth/inch



42 845 001

Blade length mm	42 845...		Total length mm
300	001		400

42 847 Fine trim saw**Tajima**

Japanese trim saw with slip-proof straight handle and interchangeable spring steel saw blades. Long handle for one-or two hand sawing to the bottom. With trapezoidal teeth.



42 847 101

Blade length mm	42 847...		Total length mm
265	101		500
Replacement blade	103		-



42 847 103

42 848 Japanese saw**Ryoba**

Japanese saws operate by way of traction. With uniform pulls and little pressure, optimum cuts can be produced. The razor sharp teeth enable you to cut without tiring and without effort. Combined saw with trapezoidal teeth and triangular (pointed) teeth.

Usage: Workshop and assembly, ideal for slot mortise and tenon joints.



42 848 101

Blade length mm	42 848...		Total length mm
240	101		500
Replacement blade	103		-



42 848 103



42 850 Universal saw frame

with fixed, red wooden handle, frame made of round steel, highly polished zinc plating, with universal saw blade

PUK®



42 850 001

Total length mm	42 850...	
290	001	

42 851 Small saw frame

6 mm round steel, surface black powder coated, with red plastic pistol grip handle and PUK universal saw blade 310, 150 mm long

PUK®



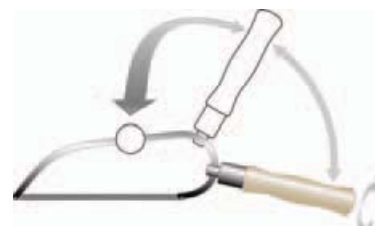
42 851 003

Total length mm	42 851...	
240	003	

42 852 Universal saw frame

Handle can be adjusted on all sides, for sawing in otherwise difficult to access places, frame made of square steel, nickel plated, with universal saw blade, in plastic bag

PUK®



42 852 001

Length closed mm	Length opened up mm	42 852...	
190	310	001	

42 854 Replacement saw blades

For PUK saw blades

per dozen

Length 150 mm, thickness 0.4 mm

PUK®



42 854...

Teeth per cm	42 854...	/dozen	Tooth set	For material
6	001		straight	Wood
10	002		straight	Wood / Metal
12	003		wavy	Metal
20	004		wavy	Metal

42 906 Hacksaw

Oval tube frame very finely painted, 33 x 16 mm, with clamping lever and screw, continuous cutting saw blade made of stainless steel alloy, hardened teeth tips, rip teeth with 4 cutting teeth, blade width 20 mm



42 906...

	42 906...		Total length mm
Blade length 762 mm	001		850
Blade length 915 mm	002		1000
Replacement saw blade	003		762
Replacement saw blade	004		915

42 912 Handsaws (toolbox/jack saw)

...035 Universal saw with hardened tooth tips. Very fine, straight set teeth for easy sawing of e.g aluminium, plastics, coating materials, wood and particleboards. Stable, screwed plastic handle with 45° and 90° join angles with blade. Fits ideally into a toolbox. 350 mm long.

BAHCO



...035

...040, ...047

Standard toolbox/jack saw for all types of wood. Universal tooth set with hardened tooth tips for lasting sharpness. Screwed plastic handle.



...040



...047

Blade length mm	42 912...		Total length mm
350	035		430
400	040		480
475	047		550

42 919 Keyhole (compass) saws

Keyhole/compass saw for all types of wood and plastic. Hardened tooth tips ensure long-lasting sharpness. Screwed plastic handle.



42 919 002

Blattlänge mm	42 919...		Total length mm
300	002		460

42 922 Back (pad) saw

Back/pad saw especially for fine to medium coarse materials. Particularly suitable for smaller diameters and when using a mitre box. Hardened tooth tips ensure long-lasting sharpness. Heavy steel back for stability and clean cuts. Screwed plastic handle.



42 922 001

Blade length mm	42 922...		Total length mm
300	001		390

42 926 Tenon saws

Blade length 250 mm, for wood (fine cutting work), with universal tooth set, 14T, with wooden handle



42 926 001



42 926 002



42 926 003

Type	42 926...		Total length mm
straight	001		365
bent	002		390
adjustable	003		385

Handle can be repositioned/swivelled

42 930 Multi-purpose saw, collapsible

Special XT tooth set for 30 % faster working. Blade can be folded away. Safety locking device when saw open and closed. 2-component handle for pleasant handling. Also suitable for the garden, camping and leisure. Universal use for dry and green wood. Saw blades interchangeable.



Blade can be folded in.

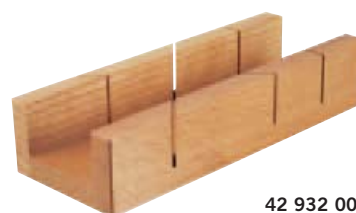
42 930 002

Blade length	42 930...		Total length - open mm	Total length - closed mm
190	002		405	230



42 932 Mitre cutting box

high-quality design, with two 45° mitre cuts, one 90° angle cut, made of steam-heated European beech, bonded



42 932 001

Dimensions (L x inside B x inside H) mm	42 932...	
250 x 62 x 37	001	
300 x 62 x 37	003	



42 960 Fretsaw frame

made of tubular steel, painted black, with nickel-plated jaws and patent chuck

Throat mm	42 960...	
320	001	



42 960 001

42 962 Fretsaw blades for metal

hardened, with round back, black, 130 mm long, finely toothed, the high-quality clockmakers' and jewellers' saw blade, extra tough hardness, **per dozen**

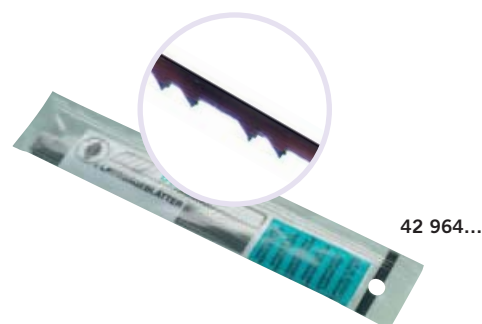


42 962...

42 964 Fretsaw blades for wood

for wood and plastics, wide toothed, with round back, 130 mm long, **per dozen**

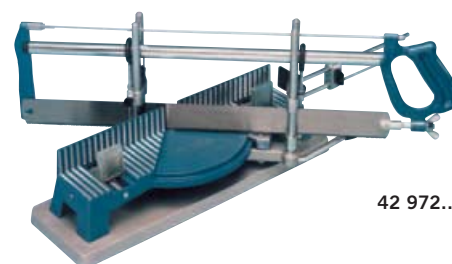
Teeth/cut	42 962... for metal		42 964... for wood	
0	001		001	
1	002		002	
2	003		-	-
3	004		004	
4	005		-	-
5	006		006	
7	008		008	



42 964...

42 972 Mitre saws

Precision model with baseplate made of high-quality die casting (42 972 073 made of wood) and rubber base feet. Adjustable length limit stop, adjustment of the cutting angle, saw blade tension can be adjusted twice, adjustable cutting depths, locking clamp for the material to be cut, incl. universal saw blade, partly assembled



42 972...

Cut width 90° mm	42 972...		Cut height mm	Blade length mm	Base length mm	Weight kg
125	042		100	420	300	4
160	055		120	550	400	7

42 974 Replacement saw blades

for mitre saw No. 42 972..., for wood and plastics, ready for use, made of high quality Swedish steel



42 974...

42 975 Replacement saw blades

for mitre saw No. 42 972..., for iron and non-ferrous metals, ready for use, made of high quality Swedish steel



42 975...

Blade length mm	42 974... for wood / plastic		42 975... for metal	
550	002		002	
750	-		003	
420	003		004	
730	005		005	



Abrasive discs and wheels

The following qualities are supplied for the various grinding and sanding purposes:

Normal corundum NK, particularly tough and for universal uses; however, mainly for machining low strength iron and steel, welds and possibly grey cast iron.

High-grade corundum, white EW, a hard and splintery raw grinding material with particularly good cutting power. Especially suitable for machining very hard and alloyed steels, etc.

High-grade corundum, pink ER, a still fairly tough but good cutting abrasive, suitable for machining all hardened steels of medium to high strength.

Silicon carbide, green CG, sharp edged and very hard, particularly suitable for grinding hard metals, stones, ceramics, glass and all non-ferrous metals, grey cast iron and plastics.

Guideline values for abrasive discs and wheels

Ø mm	Peripheral speed			Approximate number of revolutions per minute					60 m/s	80 m/s	100 m/s
	15 m/s	20 m/s	25 m/s	30 m/s	35 m/s	40 m/s	45 m/s	50 m/s			
100	2865	3825	4775	5730	6700	7640	8600	9550	11450	15300	19100
115	2490	3320	4150	4980	5815	6640	7470	8300	9965	13300	16600
125	2300	3050	3800	4600	5300	6110	6875	7640	9200	12200	15250
150	1900	2550	3200	3800	4450	5100	5730	6360	7640	10200	12725
175	1635	2200	2730	3270	3800	4365	4910	5455	6550	8750	10020
200	1440	1910	2390	2875	3350	3820	4300	4775	5730	7640	9550
225	1275	1700	2100	2550	2975	3395	3820	4240	5100	6800	8450
250	1150	1525	1900	2300	2675	3055	3440	3820	4575	6100	7600
300	950	1275	1590	1900	2230	2550	2865	3180	3820	5100	6360

Quality grading according to DIN 69100

EW Grain quality	80 Grain size	H Hardness	8 Density	V5 Type of bond
NK Normal corundum	14 very coarse	E very soft	1 part. dense	V ceramic
HK Semi-high grade corundum	16	F	2	S Silicate
EW High-grade corundum, white	24	G	3	R Rubber
ER High-grade corundum, pink	30 coarse	H	4	RF Rubber fibre-reinforced
EU High-grade corundum, ruby	36	I	5 medium	
EK Single crystal corundum	40	J soft	6	
ZR Zircon corundum	46	K	7 open	B Synthetic resin
CG Silicon carbide, green	54 medium	L medium	8	BF Synth. resin fibre-reinforced
CD Silicon carbide, dark	60	M	9 very open	
MK Mixed grain	80 fine	N hard		E Shellac
	100	O	porous	MG Magnetsite
	120	P very hard		
	150	Q		
	180	R part. hard		
	220 very fine	S		
	230	T		
	240			
	280			
	320 extremely fine			
	400			
	500			
	600			

Intermediate layers

Intermediate layers have the following purpose:

- balancing out small form or shape deviations between the surfaces of the abrasive product and the flange in the area of the mounting surfaces
- increasing the coefficient of friction between the flange and the abrasive product
- to uniformly transfer the clamping force through the mounting surface of the flange onto the abrasive body
- to reduce flange wear

Using intermediate layers:

In general, intermediate layers must be laid between the abrasive product and the flange when mounting.

Intermediate layers are not required for mounting the following abrasive products (tools):

- dished grinding discs, Form 27 and 28
- semi-flexible grinding discs, Form 29
- straight cutting discs, Form 41 with width $T \leq 1\text{ mm}$
- straight and dished cutting discs, Forms 41 and 42, with synthetic resin bonding, fibre reinforced and outer diameter $D \leq 400\text{ mm}$
- small grinding products with outer diameter $D \leq 20\text{ mm}$
- grinding segments, Form 31
- honing stones
- grinding discs conical on both sides, Form 4

Dimensional designations

400 x 80 x 127 = Diameter
220 x 10 / 220 x 15
Form 7A

Diameter x width x bore

Diameter of the recess x Depth / Diameter of the recess x Depth

Form according to DIN 69100 Part 1
Edge shape according to DIN 69100



43 252 Grinding wheels, normal corundum

Normal corundum, grey brown, edge shape A, straight, ceramically bonded, universal use, mainly for grinding low strength steel



43 252...

Discs Ø mm	Width mm	Bore mm	Grain	Hardness	43 252...	
100	16	20.0	46	N	002	
125	20	20.0	46	N	005	
125	20	20.0	60	M	006	
125	20	32.0	60	M	006	
150	20	32.0	24	Qu	011	
150	20	32.0	46	N	012	
150	20	32.0	60	M	013	
175	25	32.0	24	Qu	014	
175	25	32.0	46	N	015	
175	25	32.0	60	M	016	
175	25	50.8	24	Qu	017	
175	25	50.8	46	N	018	
175	25	50.8	60	M	019	
175	32	50.8	24	Qu	021	
175	32	50.8	46	N	022	
175	32	50.8	60	M	023	
200	25	32.0	24	Qu	024	

Discs Ø mm	Width mm	Bore mm	Grain	Hardness	43 252...	
200	25	32.0	46	N	025	
200	25	32.0	60	M	026	
200	25	50.8	24	Qu	027	
200	25	50.8	46	N	028	
200	25	50.8	60	M	029	
200	32	50.8	24	Qu	031	
200	32	50.8	46	N	032	
200	32	50.8	60	M	033	
250	32	50.8	24	Qu	034	
250	32	50.8	60	M	036	
300	40	76.2	24	Qu	037	
300	40	76.2	46	N	038	
300	40	76.2	60	M	039	
300*	40		24	Qu	041	
300*	40		46	N	042	
300*	40		60	M	043	

* Recess 125 x 19

Other dimensions available on request

43 254 Grinding wheels, silicon carbide

Silicon carbide, green, edge shape A, straight, ceramically bonded, particularly suitable for grinding cemented carbides



43 254...

Discs Ø mm	Width mm	Bore mm	Grain	Hardness	43 254...	
100	16	20.0	80	J	002	
125	20	20.0	46	K	003	
125	20	20.0	80	J	004	
125	20	32.0	80	J	006	
150	20	32.0	46	K	007	
150	20	32.0	80	J	008	
175	25	32.0	46	K	009	
175	25	32.0	80	J	011	
175	25	50.8	46	K	012	
175	25	50.8	80	J	013	
175	32	50.8	46	K	014	
175	32	50.8	80	J	015	

Discs Ø mm	Width mm	Bore mm	Grain	Hardness	43 254...	
200	25	32.0	46	K	016	
200	25	32.0	80	J	017	
200	25	50.8	46	K	018	
200	25	50.8	80	J	019	
200	32	50.8	46	K	021	
200	32	50.8	80	J	022	
300	40	76.2	46	K	025	
300	40	76.2	80	J	026	
300*	40	76.0*	80	J	042	

* Recess

Other dimensions available on request

43 258 Grinding wheels, high-grade corundum

High-grade corundum, white, edge shape A, straight, ceramically bonded, particularly suitable for grinding hardened steels



43 258...

Discs Ø mm	Width mm	Bore mm	Grain	Hardness	43 258...	
100	16	20	60	L	002	
125	20	20	46	K	003	
125	20	20	60	L	004	
125	20	32	46	K	005	
125	20	32	60	L	006	
150	20	32	46	K	007	
150	20	32	60	L	008	
175	25	32	46	K	009	
175	25	32	60	L	011	
175	25	50.8	46	K	012	
175	25	50.8	60	L	013	

Discs Ø mm	Width mm	Bore mm	Grain	Hardness	43 258...	
175	32	50.8	60	L	015	
200	25	32	46	K	016	
200	25	32	60	L	017	
200	25	50.8	46	K	018	
200	25	50.8	60	L	019	
200	32	50.8	46	K	021	
200	32	50.8	60	L	022	
300	40	76.2	46	K	025	
300	40	76.2	60	L	026	

Other dimensions available on request

43 260 Saw blade sharpening wheel, high-grade corundum

High-grade corundum, pink, edge shape C, ceramically bonded

Disc Ø mm	Width mm	Bore mm	Grain	Hardness	43 260...	
150	6	20	60	M	004	



43 260...

43 268 Tool grinding wheel, high-grade corundum

High-grade corundum, white, with edge hardening, ceramically bonded, DIN 69139, Form 6

Discs Ø mm	Width mm	Bore mm	Grain	Hardness	Recess Depth mm	Recess Ø mm	43 268...	
100	50	20	60	L	40	80	002	
125	63	20	46	K	50	110	003	



43 268 ...

43.270 Tool grinding wheel, high-grade corundum

High-grade corundum, white, ceramically bonded, DIN 69148, Form 11

Disc Ø mm	Width mm	Bore mm	Grain	Hardness	43 270...	
100	40	20	60	L	002	
125	40	20	60	L	003	



43 270...

43 271 Grinding wheel spacer rings/reduction bushes

for reducing bore sizes, per pair

External Ø mm	Inner Ø mm	43 271...	
32	20	125	
32	25	130	
51	32	135	



43 271...

43 272 Diamond grinding discs

for dry grinding, Form D12A2 - 45°, concentration 75 = 3.3 kt/cm², synthetic resin bonding, diamond size 91 μm, for sharpening cemented carbide tools such as lathe tools, gravers, styluses, etc.

Ø mm	Bore mm	Grinding surface width mm	Grinding surface thickness mm	43 272...	
100	20	10	2	002	
125	20	10	2	003	
125	32	10	2	004	



43 272...

43 273 Grinding wheels

conical, NK16Qu, synthetic resin bonded Ba 50 m/sec., for rough-grinding steel, welds, etc.

Ø mm	Bore mm	Width mm	43 273...	
75	20	25 / 20	120	
100	20	27 / 20	140	
125	20	27 / 20	160	



43 273...

43 306 Freehand steel cutting discs KSM Alpha

Characteristics: Hard cutting disc, good tool life, easy cut
Material: structural steels, high-strength sheet metals, tool steels, plain rebar steel

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



Size mm	43 306...		
115 x 3 *	004		25
125 x 3 *	007		25
180 x 3	014		25
230 x 3	021		25

* dished type



43 306...

43 313 Freehand steel cutting discs XT 20 TOP

Characteristics: Very hard cutting disc, extremely long tool life, very short cutting times

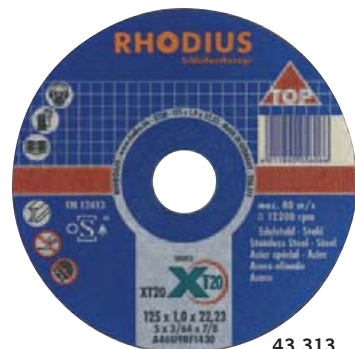
Material: High-strength steels, Hardox, structural steels, zinc-plated parts, tool steels

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



Size mm	43 313...		
115 x 1.0	004		50
115 x 1.5	005		50
125 x 1.0	007		50
125 x 1.5	008		50
180 x 1.5*	034		25
230 x 1.9*	036		25

* dished type



43 313...

43 328 FT 30 PRO freehand steel cutting discs



Characteristics: Hard cutting disc, long tool life, strengthened external reinforcement

Material: Structural steels, tool steels, grey cast iron, plain rebar steel, ductile cast iron

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 300 mm = 80 m/s, 350 mm = 100 m/s

Size mm	Bore 20.0 mm 43 328...	Bore 22.2 mm 43 328...	Bore 25.4 mm 43 328...		
300 x 3	032	132	232		25
350 x 4	049	149	249		10



Ø 300 and 350 mm

43 328...

43 376 S-SG freehand steel cutting discs



Characteristics: Hard cutting disc, maximum tool life, easy cut
Material: All ferrous materials such as structural steels, hardened steels, steels used in construction

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm

43 378 S-SG freehand steel cutting discs

Type as 43 376...; however, dished type

Dimensions mm	43 376... straight		
115 x 1.0	001		25
115 x 2.4	002		25
125 x 1.0	005		25
125 x 1.6	006		25
178 x 1.6	010		25
230 x 1.9	012		25
125 x 2.4	007		25
230 x 3.2	013		25

Dimensions mm	43 378... bent		
115 x 2.4	001		25
125 x 2.4	003		25
178 x 3.2	007		25
230 x 3.2	009		25



43 376...

43 304 Freehand stainless steel + steel cutting discs

Characteristics: Medium-hard cutting disc, long tool life, easy cut
Material: All ferrous materials, stainless steels
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



steel

stainless steel

Size mm	43 304...		PU
115 x 3 *	004		25
125 x 3 *	007		25
180 x 3	014		25
230 x 3	021		25

* dished type



43 304...

43 308 Freehand cutting discs Stainless steel + steel, FT 33 PRO

Characteristics: Medium-hard cutting disc, long tool life, easy cut
Material: structural steels, high-strength sheet metals, tool steels, hardened steels, stainless steels
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



steel

stainless steel

Disc Ø x thickness mm	43 308...		PU
100 x 2 *	003		25
115 x 3 *	004		25
125 x 3 *	007		25
150 x 3	008		25
180 x 3	014		25
230 x 3	021		25

* dished type



43 308...

43 310 Freehand cutting discs Stainless steel + steel, FT 67 TOP

Characteristics: Very hard cutting disc, extremely long tool life, very short cutting times
Material: structural steels, high-strength sheet metals, tool steels, hardened steels, stainless steels
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



steel

stainless steel

Size mm	43 310...		PU
115 x 3 *	004		25
125 x 3 *	007		25
180 x 3	014		25
230 x 3	021		25

* dished type



43 310...

43 312 Freehand cutting disc Stainless steel + steel, XT 67 TOP

Characteristics: Hard cutting disc, extremely long tool life, very short cutting times
Material: High-strength steels, Hardox, structural steels, tool steels, stainless steels
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



steel

stainless steel

Size mm	43 312		PU
115 x 1	001		50
125 x 1	003		50
115 x 1.5	004		50
125 x 1.5	005		50
180 x 1.5	008		25
230 x 1.9	010		25



43 312...



UNIT FOR PURCHASE OF ONE PACKAGING UNIT PER ORDER NUMBER. PLEASE ALWAYS STATE NUMBER OF ITEMS IN ORDER.

ibemo Kazakhstan - 090501 Republic of Kazakhstan, West Kazakhstan Oblast, Aktau, Pramzone, BKKS office complex

Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

43 340 Freehand INOX cutting discs

Characteristics: Very hard cutting disc, extremely long tool life, iron and sulphur-free

Material: Rust and acid-resistant steels, hardened, high-alloy, high-strength steels

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



stainless steel

Size mm	43 340...		
115 x 1.0	004		50
115 x 1.5	005		50
125 x 1.0	007		50
125 x 1.5	008		50
180 x 1.5*	034		25
230 x 1.9*	036		25

* dished type



43 340...

thin, fast, precise

43 343 XT 70 freehand cutting discs

Characteristics: Hard cutting disc, long tool life, iron and sulphur-free

Material: High-strength steels, Hardox, structural steels, tool steels, stainless steels

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



stainless steel

Size mm	43 343...		
115 x 1.0	004		100
115 x 1.5	005		100
125 x 1.0	007		100
125 x 1.5	008		100



43 343...

43 314 Freehand cutting discs INOX XT 8 TOP

Characteristics: Very hard cutting disc, extra thin, iron and sulphur-free

Material: Rust and acid-resistant steels, plastic coated sheet metals

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm

Note: Work with low contact pressure and low feed speeds only. Immerse up to material thickness only. Thin sheet metals up to max. 2.5 mm material thickness.



stainless steel

Size mm	43 314...		
115 x 0.8*	020		50
125 x 0.8*	022		50

* dished type



43 314...

0.8 mm only
Effortless, fast, quiet and
burr-free working!

43 317 INOX XT 38 PRO freehand cutting discs

Characteristics: Hard cutting disc, very long tool life, iron and sulphur-free

Material: Rust and acid-resistant steels, hardened, high-alloy, high-strength steels

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm

Note: With KWU certificate!



stainless steel

Size mm	43 317...		
115 x 1.0	004		50
115 x 1.5	005		50
125 x 1.0	007		50
125 x 1.5	008		50
180 x 1.5*	034		25
230 x 1.9*	036		25

* dished type



43 317...

with KWU certificate



43 318 Freehand cutting discs INOX FT 38 TOP

Characteristics: Hard cutting disc, very long tool life, iron and sulphur-free

Material: Rust and acid-resistant steels, hardened, high-alloy, high-strength steels

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm

Note: With KWU certificate!

RHODIUS
Schleifwerkzeuge

stainless
steel



43 318...

with KWU certificate

Size mm	43 318...		
115 x 3*	004		25
125 x 3*	007		25
180 x 3	014		25
230 x 3	021		25

* dished type

43 380 INOX R-SG freehand cutting discs

Characteristics: Hard cutting disc, very long tool life, iron and sulphur-free

Material: All rust and acid-resistant steels, such as V2A, Inox, Niosta

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



stainless
steel



43 380...

Dimensions	43 380...		
115 x 1.0	001		25
115 x 1.6	003		25
115 x 2.4	005		25
125 x 1.0	007		25
125 x 1.6	009		25
150 x 1.5	012		25
178 x 1.6	013		25
230 x 1.9	016		25
230 x 2.5	017		25

43 381 INOX P-PSF freehand cutting discs

Characteristics: Medium-hard cutting disc, long tool life, iron and sulphur-free

Material: Rust and acid-resistant steels, such as V2A, Inox, Niosta

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



stainless
steel



43 381...

Size mm	43 381...		
115 x 1.0	001		25
115 x 1.6	003		25
125 x 1.0	007		25
125 x 1.6	009		25
150 x 1.6	012		25
178 x 1.6	014		25
230 x 1.9	016		25

43 316 XT 10 TOP Mini small cutting discs

Characteristics: Very hard cutting disc, extremely long tool life, iron and sulphur-free

Material: Rust and acid-resistant steels, hardened, high-alloy, high-strength steels

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm

Note: With KWU certificate!

RHODIUS
Schleifwerkzeuge

stainless
steel



43 316...

Size mm	43 316...		Bore Ø mm	
50 x 1.0	003		6	50
50 x 2.0	005		6	25
65 x 1.0	013		6	50
65 x 2.0	015		6	25
75 x 1.0	023		10	50
75 x 2.0	025		10	25

50 - 75 mm Ø

Clamping bolt for INOX XT 10 Mini see 43 375 101 - ...104 on the next page



UNIT FOR PURCHASE OF ONE PACKAGING UNIT PER ORDER NUMBER. PLEASE ALWAYS STATE NUMBER OF ITEMS IN ORDER.

IBEMO Kazakhstan - 090501 Republic of Kazakhstan, West Kazakhstan Oblast, Aktau, Pramzone, BKKS office complex

Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

43 375 P-SG small cutting discs

Characteristics: Medium-hard cutting disc, iron and sulphur-free
Material: Steel, stainless steel, non-ferrous metals
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed
80 m/s, bore 22.2 mm



stainless
steel

Size mm	43 375...		Bore Ø mm	
30 x 1.1	001		6	50
40 x 1.1	004		6	50
50 x 1.1	005		6	50
50 x 2.1	007		6	50
65 x 1.1	010		6	50
65 x 2.1	014		10	50
70 x 1.4	018		10	50
76 x 1.1	022		10	50
76 x 2.1	028		10	50
Clamping bolt for 43 316... and 43 375...				
Shank Ø mm	43 375...		For bore Ø mm	
6.35	101		6	
6.35	103		10	
8.00	104		10	



43 375 001 - 028

30 - 76 mm Ø
Ideal for cutting sheet metal
in difficult to access places!



43 375 101 - 104

43 320 XT 24 TOP freehand aluminium cutting discs

RHODIUS
Schleifwerkzeuge

Alu

Characteristics: Medium-hard cutting disc, special fillers prevent blocking
Material: All lubricating non-ferrous metals, such as aluminium, zinc, lead, tin, bronze, brass
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed
80 m/s, bore 22.2 mm

Size mm	43 320...		
115 x 1.5	004		50
125 x 1.5	007		50
180 x 1.5	014		25
230 x 1.9	021		25



43 320...

43 322 FT 24 TOP freehand aluminium cutting discs

RHODIUS
Schleifwerkzeuge

Alu

Characteristics: Medium-hard cutting disc, special fillers prevent blocking
Material: All lubricating non-ferrous metals, such as aluminium, zinc, lead, tin, bronze, brass
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed
80 m/s, bore 22.2 mm

Size mm	43 322...		
115 x 3*	005		25
125 x 3*	007		25
180 x 3	014		25
230 x 3	018		25

* dished type



43 322...

43 323 Freehand cutting discs GUSS ZA24 Q SGP



stone

Characteristics: Extremely tough high-performance tool with hardness
grade Q for cutting solid material. With maximum
cutting power and outstanding tool life
Material: Cast iron (brown and nodular cast iron)

Dimensions	43 323		
230 x 3.4	015		25
230 x 3.4*	021		25

* dished type



43 323...

43 356 FT 44 freehand stone cutting discs

Characteristics: Medium-hard cutting disc, very long tool life, clean cutting pattern

Material: Concrete products, sand lime blocks, artificial and natural stones, marble

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm

RHODIUS
Schleifwerkzeuge

stone



43 356...

Size mm	43 356...		PU
115 x 3*	004		25
125 x 3*	007		25
180 x 3	014		25
230 x 3	021		25

* dished type

43 360 XT 66 TOP freehand stone cutting discs

Characteristics: Very -hard cutting disc, very long tool life, thin, clean cutting pattern

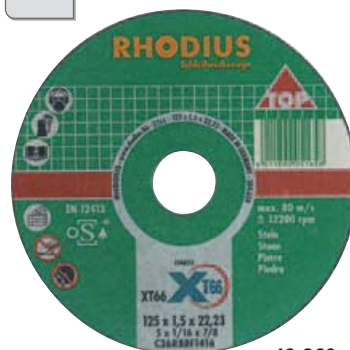
Material: Concrete products, sand lime blocks, natural stones, marble, titanium

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm

RHODIUS
Schleifwerkzeuge

stone

titanium



43 360...

Size mm	43 360...		PU
115 x 1.5	005		50
125 x 1.5	007		50
180 x 2	014		25
230 x 2	021		25

43 382 R-SG freehand stone cutting discs

Characteristics: Medium-hard cutting disc, very long tool life, clean cutting pattern

Material: Natural stone, artificial stone, fireproof stone

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



stone



43 382...

Dimensions	43 382...		PU
115 x 2.4*	001		25
125 x 2.4*	003		25
178 x 3.2	013		25
230 x 3.2	015		25

* dished type

43 276 Steel roughing discs

Characteristics: Hard roughing disc, good cutting performance and tool life

Material: Hardened, high-alloy, structural and tool steels
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



steel

Size mm	43 276...		
115 x 6	013		25
125 x 6	015		25
180 x 6	018		10
180 x 8	022		10
230 x 8	025		10



43 276...

43 280 KSM steel roughing discs

Characteristics: Hard roughing disc, good cutting performance and tool life

Material: Hardened, high-alloy, structural and tool steels
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



steel

Disc Ø x thickness mm	43 280...		
115 x 6	013		25
125 x 6	015		25
180 x 6	020		10
180 x 8	022		10
230 x 6	026		10
230 x 8	028		10



43 280...

43 282 RS 2 stainless steel + steel roughing discs

steel

stainless steel

Characteristics: Medium-hard roughing disc, easy and fast grinding, long tool life

Material: Hardened, high-alloy, structural and tool steels, stainless steel

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm

Size mm	43 282...		
115 x 4	011		25
115 x 6	013		25
125 x 4	014		25
125 x 6	015		25
150 x 6	018		10
180 x 6	020		10
180 x 8	022		10
180 x 10	024		10
230 x 6	026		10
230 x 8	028		10



43 282...

43 286 Roughing discs**Stainless steel + steel, RS 67 TOP**

Characteristics: Very hard roughing disc, easy grinding, very long tool life and cutting

Material: Structural steels, hardened steels, stainless steels, cast steel, grey cast iron

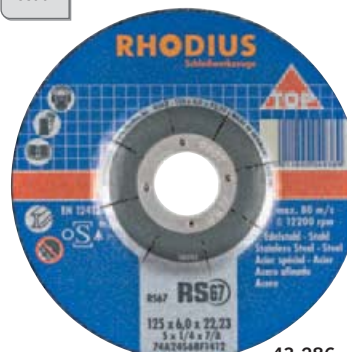
Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



steel

stainless steel

Size mm	43 286...		
115 x 6	013		25
125 x 6	015		25
180 x 8	022		10



43 286...



43 370 A 24 R-SG steel roughing discs

Characteristics: Hard roughing disc, high cutting performance and long tool life

Material: General steel machining

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



steel



43 370...

Dimensions mm	43 370...		
115 x 4	001		10
115 x 7	003		10
125 x 4	005		10
125 x 7	007		10
178 x 4	009		10
178 x 7	011		10
178 x 8	013		10
230 x 7	015		10
230 x 8	017		10

43 288 INOX RS 38 PRO roughing discs

Characteristics: Medium-hard, very long tool life and cutting, iron and sulphur-free

Material: Rust and acid-resistant steels, hardened steels, structural and tool steels

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm

Note: With KWU certificate!



stainless steel



43 288...

Size mm	43 288...		
115 x 6	013		25
125 x 6	015		25
180 x 6	022		10
180 x 8	024		10
230 x 6	026		10
230 x 8	028		10

with KWU certificate

43 374 INOX A 24 N-SG roughing discs

Characteristics: Soft roughing disc, high cutting performance, iron and sulphur-free

Material: Rust and acid-resistant steels, such as V2A, Inox, Nirosta

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



stainless steel



43 374...

Dimensions mm	43 374...		
115 x 4	001		10
115 x 7	003		10
125 x 4	005		10
125 x 7	007		10
178 x 7	009		10
178 x 8	011		10
230 x 7	015		10
230 x 8	017		10

43 295 RS 24 TOP aluminium roughing discs

Characteristics: Medium-hard, open, easy grinding roughing disc, good tool life

Material: All lubricating non-ferrous metals, such as aluminium, zinc, lead, tin, bronze, brass

Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm



Alu



43 295...

Size mm	43 295...		
115 x 6	013		25
125 x 6	015		25
180 x 6	018		10
180 x 8	022		10
230 x 6	028		10



43 290 INOX RS 3 in 1 roughing discs

Characteristics: High cutting performance on stainless steel, steel and aluminium, **iron and sulphur-free**
 Material: Rust and acid-resistant steels, structural and tool steels, aluminium
 Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm.

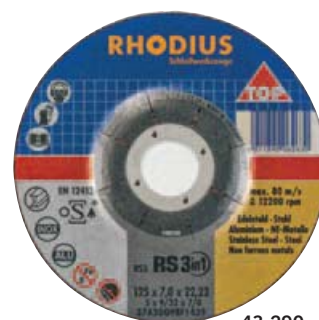
RHODIUS
Schleifwerkzeuge

stainless steel

steel

Alu

Ø mm	43 290...		PU
115 x 7.0	115		10
125 x 7.0	125		10
180 x 7.0	180		10



43 290...

43 292 Roughing and grinding discs INOX FS 1 Fusion

Characteristics: Soft ground finish, ideally suited for grinding fillet welds, iron and sulphur free
 Material: Rust and acid-resistant steels, hardened steels, structural and tool steels
 Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm.

RHODIUS
Schleifwerkzeuge

stainless steel

steel

Ø mm	Grain	43 292...		PU
115 x 4.0	40	115		10
115 x 4.0	60	116		10
115 x 4.0	80	117		10
125 x 6.5	40	125		10
125 x 6.5	60	126		10
125 x 6.5	80	127		10
180 x 7.0	40	180		10
180 x 7.0	60	181		10
180 x 7.0	80	182		10



43 292...

43 298 Rhodiflex grinding discs, one side with knobbled texture RF PRO

Characteristics: High removal rates, short grinding time, good chip removal, cool grind
 Material: Tool steels, Hardox, stainless steels, non-ferrous metals, grey cast iron
 Synthetic resin bonded, glass fibre reinforced, max. peripheral speed 80 m/s, bore 22.2 mm
Note: The burled Rhodiflex discs are used without support discs.

RHODIUS
Schleifwerkzeuge

stainless steel

steel

Alu

Size/ Grain mm	43 298...		PU
115 K36	011		25
125 K36	111		25
115 K100	019		25
125 K100	119		25



View of the back



43 298...

43 496 NK PRO + SIC PRO grinding cups

Characteristics: Hard grinding cups, surface and edge finish grinding
 Material NK: Rust and acid-resistant steels, Hardox, hardened, high-strength steels
 Material SIC: Concrete products, screed, ceramics, marble, grey cast iron
 Bakelite bonded, max. peripheral speed 50 m/s, bore 22.2 mm.

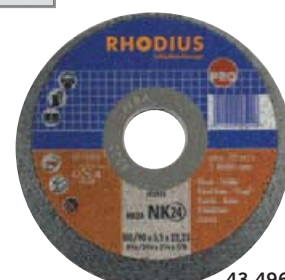
RHODIUS
Schleifwerkzeuge

steel

stone

Ø mm	Grain	Use	43 496...	
110 / 90	24	NK: steel / metal	002	
110 / 90	24	SIC: stone / cast iron	012	

Also available with grains 16, 36 and 60



43 496...

Steven D.:

I always thought a disc was a disc.
But after all these years, I have
found out that's not true.
How fast you are and how good
your work is, depends a lot on what
you've got on your grinder, because
it's the disc that does the work,
not the machine.
That's why Rhodius is my first
choice. I won't give an inch nowadays.
I know I'm getting my money's
worth plus they've got some great
solutions for special, like the Vision,
but above all, absolute top quality
right throughout the whole range.
It doesn't matter what Rhodius disc
I use. You'll often find that this
is what separates the men from the
boys. The lads from Rhodius know
what they're doing. And that's
something I can rely on!

Experienced professionals trust Rhodius without a doubt in their daily work. Rhodius offers economical solutions for optimal working results with all cutting and grinding applications.

It's the disc that matters.



Distributed throughout the U.K. by:

Brian Hyde Ltd., Stirling Road, Shirley, Solihull, GB-West Midlands B90-4LZ.
Phone: 0121 704 2324 - Fax 0121 251 2260
sales@brianhyde.co.uk - www.rhodius-schleifwerkzeuge.de

Simplify your work.

RHODIUS®
Schleifwerkzeuge

43 390 "Rhoducer" anti-vibration flange

- Reduces vibrations while grinding with roughing discs.
- Therefore relieves the parts of the body concerned.
- Increases comfort while working!

For roughing disc diameters 115, 125, 150, 180, 230 mm.
Width 4.5 to 10.0 mm.

No known advantages when clamping cutting and flap discs!

Note:

For machines on which a normal flange according to DIN 44716 can be used only.

Clamp with plastic side facing roughing disc only.

43 390...	
001	

RHODIUS
Schleifwerkzeuge

Less vibrations



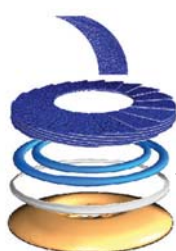
43 390 001

43 500 SLTT Zircon lamellar flap grinding discs

Characteristics: Hard high removal rate, very long tool life, iron and sulphur-free

Application: All rust and acid-resistant steels, such as V2A, Inox, Nirosta, non-ferrous metals

Substrate made of copper-plated sheet steel, working speed 80 m/s, Bore 22.2 mm



double tool life due to special arrangement of the lamellae with a flat angle

Protector ring to protect the surface of the material

You can really apply the pressure
Stable sheet steel substrate with good heat dissipation

LUKAS

stainless steel



43 500...

Ø mm	Zircon corundum ZK grain	43 500...	
115	40	001	
115	60	002	
125	40	011	
125	60	012	
178	40	021	
178	60	022	

43 501 SLT lamellar flap grinding discs

Characteristics: Outstanding removal performance without carrier disc as substrate, therefore much more flexible

Suitable for: Structural steel, stainless steel, high-alloy steels, aluminium

Application: Working in difficult to access places, working in radii, working on sheet metals and car body parts, machining welds, deburring, cleaning, rendering, rust removal, max. peripheral speed 80 m/s, M14 internal thread

Note:

Ø mm	Grain	43 501...		n _{max}
115	ZKS 40	001		13.300
115	ZKS 60	002		13.300
115	ZK 80	003		13.300
115	ZK 120	004		13.300
125	ZKS 40	011		13.300
125	ZKS 60	012		13.300
125	ZK 80	013		13.300
125	ZK 120	014		13.300

LUKAS

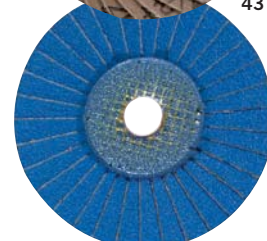
stainless steel

steel

Alu



43 501...



43 505 Zircon lamellar flap grinding discs LSZ-FS VISION TOP

RHODIUS
Schleifwerkzeuge

stainless
steel

steel

Alu

Characteristics: Viewing grinding disc, maximum removal rate and tool life, iron and sulphur-free

Material: All rust and acid-resistant steels, such as V2A, Inox, Nirosta, non-ferrous metals

Glass fibre substrate, slanted shape, max. peripheral speed 80 m/s, bore 22.2 mm

Ø mm	Grain	43 505...		
115	40	011		10
115	60	017		10
115	80	019		10
125	40	111		10
125	60	117		10
125	80	119		10



43 505...

You can see what you're grinding!

43 519 Zircon mini lamellar flap grinding discs

Characteristics: Very good chip removal, lamellar overhang

Application: All rust and acid-resistant steels, such as V2A, Inox, Nirosta, non-ferrous metals, elastic, substrate made of plastic, max. peripheral speed 80 m/s, **M6 internal thread**

LUKAS

stainless
steel

Zircon corun- dum	Ø mm	43 519...		Ø mm	43 519...		Ø mm	43 519...		max rpm.
40	50	001		65	011		75	021		30,000
60	50	002		65	012		75	022		30,000
80	50	-	-	65	013		75	023		30,000
120	50	004		65	014		75	024		30,000



Ø 50, 65, 75

43 519...

43 502 Zircon lamellar flap grinding discs

Characteristics: Good removal rate and tool life, iron and sulphur-free

Application: All rust and acid-resistant steels, such as V2A, Inox, Nirosta, non-ferrous metals

Glass fibre substrate, slanted shape, max. peripheral speed 80 m/s, bore 22.2 mm

Primat

stainless
steel



43 502...

43 504 Normal corundum lamellar flap grinding discs

Characteristics: Good removal rate and tool life

Application: Structural steels, tool steels, plastics, filler compound, paints, varnish and wood

Glass fibre substrate, slanted shape, max. peripheral speed 80 m/s, bore 22.2 mm

Primat

steel

Ø mm	Grain	43 502... Zircon		43 504... Normal		
115	40	011		011		10
115	60	017		017		10
115	80	019		019		10
115	120	-	-	024		10
125	40	111		111		10
125	60	117		117		10
125	80	119		119		10
125	120	-	-	124		10
178	40	-	-	211		10
178	60	-	-	217		10
178	80	-	-	219		10



43 504...

more lamellae



43 512 Zircon lamellar flap grinding discs

Characteristics: More lamellae, high removal rate and long tool life, iron and sulphur-free

Application: All rust and acid-resistant steels, such as V2A, Inox, Nirosta, non-ferrous metals,

Glass fibre substrate, slanted shape, max. peripheral speed 80 m/s, bore 22.2 mm

Primat

stainless steel



more lamellae



43 512...

43 514 Zircon lamellar flap grinding discs

Type as 43 512...; however, glass fibre substrate, straight shape, max. peripheral speed 80 m/s, bore 22.2 mm

Primat

stainless steel



more lamellae



43 514...

43 518 Zircon lamellar flap grinding discs

Type as 43 512...; however, plastic substrate, slanted shape, max. peripheral speed 80 m/s, bore 22.2 mm

Primat

stainless steel



Ø mm	Grain	43 512... slanted	43 514... straight	43 518... slanted	PU
115	24	009	-	-	10
115	40	011	011	011	10
115	60	017	017	017	10
115	80	019	019	019	10
115	120	024	024	024	10
125	24	109	109	109	10
125	40	111	111	111	10
125	60	117	117	117	10
125	80	119	119	119	10
125	120	124	124	124	10
178	40	211	211	211	10
178	60	217	217	217	10
178	80	219	219	219	10
178	120	224	224	224	10



43 518...

Plastic substrate

43 521 Rubber fine grinding discs

Characteristics: Silicon carbide grinding grain for very fine finish grinding on stainless steel

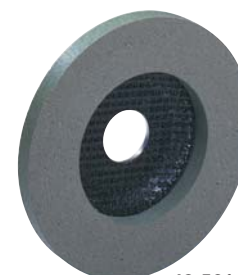
Application: All rust and acid-resistant steels, such as V2A, Inox, Nirosta, non-ferrous metals

Glass fibre substrate, straight shape, max. peripheral speed 25 m/s, bore 22.2 mm

stainless steel



For very fine finish grinding



43 521...

Ø mm	43 521...	Grain
110	001	46
110	002	80
110	003	150
110	004	250

43 498 Normal corundum lamellar flap grinding discs Polifan SG-A

Characteristics: Universal use, high removal rate and long tool life, iron and sulphur-free

Application: Structural steels, alloyed and unalloyed steels, stainless steels, non-ferrous metals, plastic, wood

Glass fibre substrate, slanted shape, max. peripheral speed 80 m/s, bore 22.2 mm



stainless steel

steel



43 498...

Ø mm	Grain	43 498...		PU
115	40	001		10
115	60	003		10
115	80	005		10
115	120	007		10
125	40	009		10
125	60	011		10
125	80	013		10
125	120	015		10
180	40	017		10
180	60	019		10

43 497 Zircon Cool lamellar flap grinding discs Polifan SGP

Characteristics: Maximum removal rate and tool life, cool grinding, iron and sulphur-free

Application: All rust and acid-resistant steels, such as V2A, Inox, Nirosta, non-ferrous metals

Glass fibre substrate, slanted shape, max. peripheral speed 80 m/s, bore 22.2 mm



stainless steel



43 497...

Ø mm	Grain	43 497...		PU
115	40	004		10
115	60	006		10
115	80	007		10
125	40	014		10
125	60	016		10
125	80	018		10

for heat-sensitive materials

43 499 Zircon lamellar flap grinding discs Polifan SG

Characteristics: Aggressive use, maximum removal rate and tool life, iron and sulphur-free

Application: All rust and acid-resistant steels, such as V2A, Inox, Nirosta, non-ferrous metals

Glass fibre substrate, slanted shape, max. peripheral speed 80 m/s, bore 22.2 mm

Note: Best removal rate on high-performance angle grinders.



stainless steel



43 499...

Ø mm	Grain	43 499...		PU
115	40	001		10
115	60	003		10
125	40	005		10
125	60	007		10
180	40	009		10

43 494 Ceramic lamellar flap grinding discs Polifan CO SGP-Cool

Characteristics: Aggressive use, maximum removal rate and tool life, iron and sulphur-free

Material: All rust and acid-resistant steels, such as V2A, Inox, Nirosta, non-ferrous metals

Glass fibre substrate, slanted shape, max. peripheral speed 80 m/s, bore 22.2 mm

Note: Best removal rate on high-performance angle grinders.



stainless steel



43 494

Ø mm	Grain	43 494		PU
115	40	115		10
125	40	125		10
180	40	180		10



“TOOLS”

FOR PURCHASE OF ONE PACKAGING UNIT PER ORDER NUMBER, PLEASE ALWAYS STATE NUMBER OF ITEMS IN ORDER.
Bemco Kazakhstan - 090501 Republic of Kazakhstan, West Kazakhstan Oblast, Aktau, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

43 411 Diamond cutting discs

- laser welded
- segmented
- standard quality with coarse cutting pattern
- 7 mm segment height
- dry cutting

Use: Gypsum boards, aerated concrete, plaster, pumice, medium to soft sand-lime blocks, artificial stone, clinker;

also suitable for: Screed, concrete, concrete blocks, hard sandstone, granite and porphyry

Standard quality

Ø mm	43 411	
115	001	
125	005	
180	008	
230	010	



43 411...

43 415 Diamond cutting discs

Type as 43 411...; however:

- higher diamond density and better diamond quality
- therefore finer cutting pattern

Use: Gypsum boards, aerated concrete, plaster, pumice, medium to soft sand-lime blocks, artificial stone, clinker;

also suitable for: Screed, concrete, concrete blocks, hard sandstone, granite and porphyry

Professional quality

Ø mm	43 415...	
115	001	
125	005	
180	008	
230	010	



43 415...

43 403 Diamond cutting discs

- sintered
- with closed edge
- universal professional quality,
- 5.5 mm segment height
- fine cutting pattern, less broken out material
- dry cutting
- for use on angle grinders

Use: Tiles, stone and marble slabs, thing granite and ceramic

Professional quality

Ø mm	43 403...	
115	001	
125	005	
180	008	
230	010	



43 403...

43 407 Diamond cutting discs

Type as 43 403...; however:

- Coarser cutting pattern for machining particularly hard materials
- 7 mm segment height
- dry cutting

Use: Gypsum boards, aerated concrete, plaster, pumice, medium to soft sand-lime blocks, artificial stone, clinker;

also suitable for: Screed, concrete, concrete blocks, hard sandstone, granite and porphyry

Professional quality

Ø mm	43 407...	
115	001	
125	005	
180	008	
230	010	



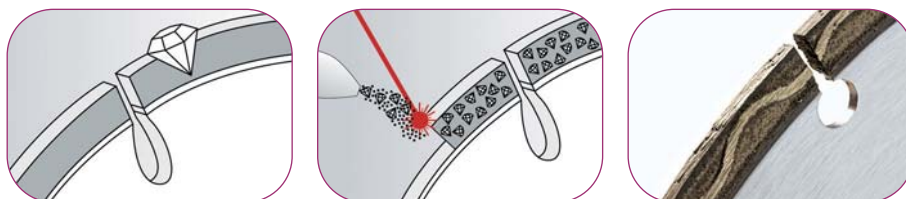
43 407...

43 516 Diamond cutting discs

- with new SpeedWave technology
- with patented laser fusion production technology
- extremely long life
- air current is uniformly passed through ducts onto the rotating disc
- cooling segment absorbs vibration
- segment height: 8mm
- bore diameter: 22.2mm



43 516...



Ø mm	43 521...		Cutting width mm
115	011		2.7
125	012		2.7
150	015		2.9
180	018		2.9
230	023		3.4
300	030		3.5

43 492 FS CO-Cool ceramic “Vulkan” fibre discs

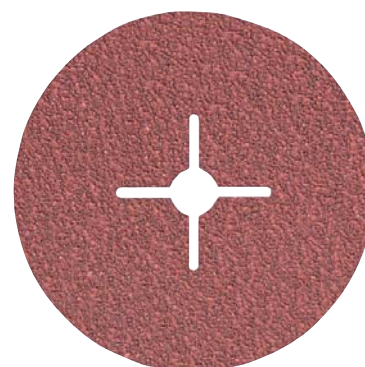


Characteristics: for aggressive grinding with maximum removal rate on hard, low thermal conductivity materials. Active grinding additives in the coating achieve a considerable, noticeable improvement in removal rate, prevent blocking and achieve cooler grinding

Abrasive: CO-COOL ceramic grain

for suitable support discs see 43 527 (next item)

Ø mm	Grain	43 492...		
115	36	002		25
115	60	004		25
115	80	006		25
115	120	008		25
125	36	012		25
125	60	014		25
125	80	016		25
125	120	018		25



43 492...

43 527 RH-Turbo rubber elastic discs

very tough support discs for mounting fibre discs which **have ventilation holes and additional cooling ribs to ensure permanent cooling of the tool during grinding**, particularly suitable for use with stainless steels

Holder: M 14 clamping nut, max. peripheral speed 80 m/s

Ø mm	43 527...	
115	001	
125	002	
180	003	



43 527...

43 528 Rubber elastic disc

for mounting fibre discs

Holder: M 14 clamping nut, max. peripheral speed 80 m/s

For fibre discs Ø mm	43 528...	
115	001	
125	002	
178	003	



43 528...

for suitable face pin wrenches, see Prod. No. 51 691...



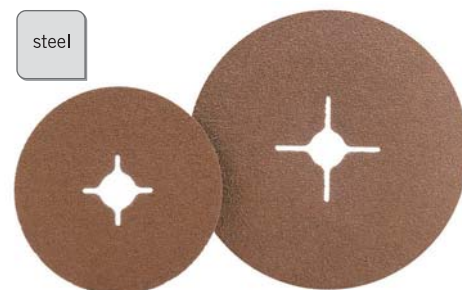
43 522 “Vulkan” fibre discs, normal corundum

Characteristics: 0.8 mm thick, elastic, centre bore hole with cross slits

Application: All ferrous materials, use with support disc

43 527... or 43 528...

Synthetic resin bonded, max. peripheral speed 80 m/s, bore 22.2 mm



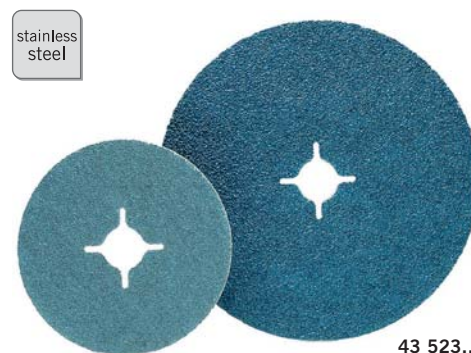
43 522...

43 523 “Vulkan” fibre discs, zircon corundum

Characteristics: aggressive grinding, 0.8 mm thick, elastic, centre bore hole with cross slits

Application: Stainless steels, use with support disc 43 527... or 43 528...

Synthetic resin bonded, max. peripheral speed 80 m/s, bore 22.2 mm



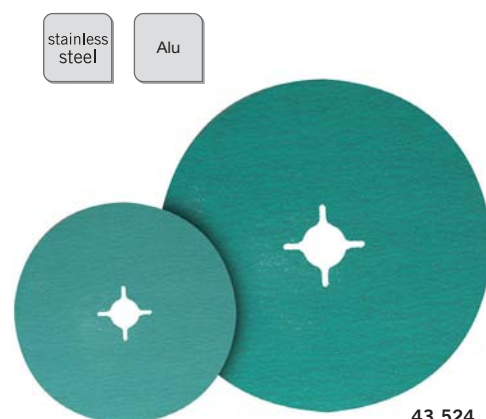
43 523...

43 524 “Vulkan” fibre discs, special corundum

Characteristics: cool grinding, 0.8 mm thick, elastic, centre bore hole with cross slits

Application: Stainless steels, aluminium, use with support disc 43 527... or 43 528...

Synthetic resin bonded, max. peripheral speed 80 m/s, bore 22.2 mm



43 524...

Ø mm	Grain	43 522...		43 523...		43 524...		
115	16	001		-	-	-	-	25
115	24	002		002	-	002	-	25
115	40	004		004		004		25
115	50	005		005		-	-	25
115	60	006		006		006		25
115	80	007		007		007		25
115	100	008		008		-	-	25
115	120	009		009		009		25
125	16	013		-	-	-	-	25
125	24	014		014		014		25
125	40	016		016		016		25
125	50	017		017		-	-	25
125	60	018		018		018		25
125	80	019		019		019		25
125	100	021		021		-	-	25
125	120	022		022		022		25
178	16	123		-	-	-	-	25
178	24	124		124		-	-	25
178	40	128		128		-	-	25
178	50	129		-	-	-	-	25
178	60	131		-	-	-	-	25
178	80	132		132		-	-	25
178	100	133		-	-	-	-	25
178	120	134		-	-	-	-	25

43 532 Velcro grinding discs

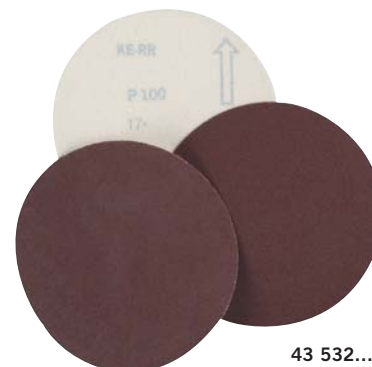
Characteristics: Corundum paper, cloth reinforced, high strength

Application: Metal, wood, paint, varnishes, etc.

Use with Velcro grinding disc 43 538...

Synthetic resin bonded, max. peripheral speed 40 m/s

Ø mm	Grain mm	43 532...		
115	40	004		25
115	50	005		25
115	60	006		25
115	80	008		25
115	100	010		25
115	120	012		25
115	150	015		25
115	180	018		25
125	40	034		25
125	60	036		25
125	80	038		25
125	100	040		25
125	120	042		25
125	180	048		25
150	40	054		25
150	60	056		25
150	80	058		25
150	100	060		25
150	120	062		25



43 532...

43 536 Velcro non-woven discs

Characteristics: Nylon non-woven with abrasive grain (A), lined

Application: Metal, rust, aluminium, wood, paint, varnishes

Use with Velcro grinding disc 43 538...

Synthetic resin bonded, max. peripheral speed 40 m/s

Disc Ø mm	Grain	43 536...		
115	coarse 80	001		10
115	medium 120	002		10
115	very fine 280	004		10
125	coarse 80	011		10
125	medium 120	012		10
125	very fine 280	014		10



43 536...

43 538 Velcro rubber grinding disc

Characteristics: elastic, high-quality plastic

Application: for lined grinding discs 43 532... and 43 536...

max. peripheral speed 40 m/s, M14 mounting

For Velcro discs Ø mm	43 538...		Connection thread
115	005		M 14
125	007		M 14
150	009		M 14
178	011		M 14



43 538...



43 540 A/O Pro quick-change system grinding discs

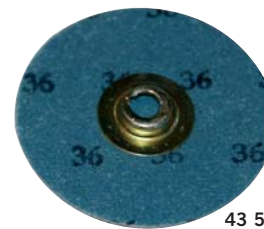
ideal for: general grinding and deburring work **with high edge strength**, for use on ferrous and non-ferrous materials, longest grinding performance compared to other grinding discs, ideal for longer duration edge grinding work

- stable, long-lasting rear reinforcement
- A/O Pro grain = aluminium oxide 2 coat system
- lightning speed disc change
- centred disc
- uniform running
- high cutting rate without grain breaking out or tearing
- high ultimate grain strength
- long tool life

For suitable support discs see 43 545...

Ø mm	43 540...		Grain
51	040		40
51	060		60
51	080		80
51	120		120

steel



43 540...

A/O Pro = technical advance compared to other A/O discs!

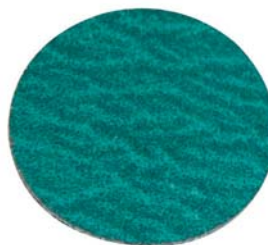
43 543 Power Zirc quick-change system grinding discs

ideal for: fast chip removal on stainless steel, maximum performance with medium to high contact pressure, cool running for longer chip removal and profile transitions

- zirconium aluminium grain, 2 coat system
- runs cooler
- lightning speed disc change
- centred disc
- uniform running
- long tool life
- aggressive chip removal
- suitable for flat or contoured surfaces

For suitable support discs see 43 545...

stainless steel



43 543...

Ø mm	43 543...		Grain
51	040		40
51	060		60
51	080		80
51	120		120

43 545 SOCATT® quick-change support disc

for holding the grinding and non-woven discs 43 540..., 43 543... and ...43 550...

including 6 mm shank

Degree of hardness: Medium for general grinding work

- first-class design with a cast vinyl surface
- centred metal thread
- improved grinding
- runs cooler
- easy to install without tools - push on - turn slightly - ready

Ø mm	43 545...		Degree of hardness	Max. speed
51	005		Medium	25.000



43 545...

43 550 "Surface Conditioning" non-woven discs

FE - high grinding performance, very flexible, with high edge strength, effective on flat and curved surfaces, long tool life
deburring, refining, cleaning, for producing a matt finish

- flexible design
- strong resin-reinforced nylon fibres with abrasive grain
- discs remain securely anchored
- discs are always installed centred on the support disc
- easy to change discs
- ideal for flat and curved surfaces
- material does not accumulate and block the grains
- uniform surface finish
- **eliminates** edge wear and grain loss

For suitable support discs see 43 545...



43 550...

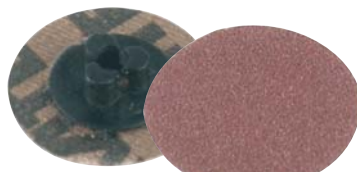
Ø mm	43 550...		Grain	Max. speed
51	046		coarse 46-60	20.000
51	080		medium 80-120	20.000
51	180		fine 180-240	20.000

44 673 ATADISC sanding discs

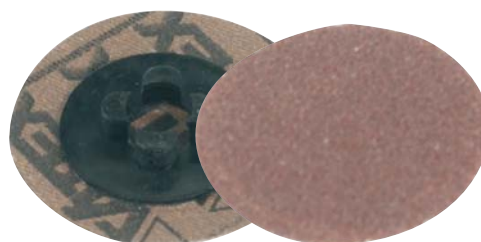
are used where all types of radii and curves have to be machined, in vessel and apparatus production, modelmaking, mould making, mechanical engineering, and many more applications, they can be used to machine tool steels, stainless or acid-resistant steels or wood



44 673 002



44 673 006



44 673 015

Size	Ø mm	Grain	max. speed min ⁻¹	44 673...		
2005	20	60	30,000	001		20
2005	20	120	30,000	002		20
2005	20	180	30,000	003		20
2505	25	60	30,000	005		20
2505	25	120	30,000	006		20
5005	50	60	25,000	014		20
5005	50	120	25,000	015		20

44 674 SH sanding disc holder

without support disc, for use on fillets/concave mouldings, consisting of bolt/arbor and clamping part, for holding the sanding discs **No. 44 673...**

Size	For sanding disc Ø mm	Shank Ø mm	44 674...	
2000	20 - 25	6	001	
3500	50	6	002	



44 674...

44 675 SH sanding disc holder

with support disc (Ø 50 mm), for use on surfaces, consisting of bolt/arbor, support disc and clamping part, for holding the sanding discs **No. 44 673...**

Size	For sanding disc Ø mm	Shank Ø mm	44 675...	
3550	50	6	001	



44 675 001

Grinding/sanding tools made of non-woven (cleaning) liner

Areas of use: For removing severe corrosion, mill scale on hot-rolled steels, stubborn adhering paint coats on metals. Very suitable for cleaning welds on stainless steels.

Product properties: Non-woven (cleaning) liner consists of very robust nylon fibres in which extra coarse-grained silicon carbide abrasives are uniformly distributed. Outstanding surface adjustment

and uniform work results with very good removal rate. Low sparking and low noise level.

Soft type: The finer grain and compacter non-woven structure of the **SOFT** type enables better adjustment to the contours of the workpiece's surface and is also suitable for achieving a surface finish on workpieces with large surface areas.

43 551 Non-woven (cleaning) liner discs

Bore 13 mm

For clamp mounting devices see 43 552...

Size mm	43 551...		maximum working speed
100 x 13	001		7800 rpm
115 x 13	002		6800 rpm
150 x 13	003		5200 rpm
178 x 13	004		4400 rpm
200 x 13	005		3800 rpm



43 551...

43 552 Mounting arbor

for non-woven (cleaning) liner discs No. 43 551...

Shank Ø mm	43 552...		For bore mm
6	006		13
8	008		13



43 552...

43 555 Non-woven (cleaning) liner discs

Ø mm	43 555...		Bore mm
115	001		22
125	002		22
178	004		22



43 555...

43 558 Non-woven (cleaning) liner roller

Size Ø x B	43 558...		Bore mm	Density
100 x 50	001		M14	hard
100 x 50	004		19	hard
100 x 100	007		19	hard
110 x 50	101		M14	soft
110 x 100	104		19	soft

Hard type



...001



...004

Soft type



...101



...104

43 560 Non-woven (cleaning) liner sander

with 6 mm shank

Size Ø x B	43 560...		Density
55 x 15	020		hard
55 x 30	022		hard
75 x 15	040		hard
75 x 30	042		hard
100 x 15	060		hard
100 x 30	062		hard
80 x 50	101		soft
100 x 50	104		soft

Soft type



Hard type



43 560...



Mounted points

Pink, high-grade corundum, medium hardness, ceramic bonding, recommended peripheral speed 15 - 40 m/s, the mounted points are very strong and have an extremely homogenous structure, the cylindrical shank is made of special steel and is securely fixed in, applications: structural steelwork, die making, foundry, for machining structural and quenched and tempered steels, hot-forming steels and cast steel, a low peripheral speed is recommended for difficult to cut materials.

44 602 Mounted points

Shape ZY, cylinder, **fine**, shank 6 mm



44 602...

44 603 Mounted points

Shape ZY, cylinder, **coarse**, shank 6 mm

Size	Head Ø mm	Head height mm	44 602... fine		44 603... coarse		
ZY 0306	3	6	001		-	-	10
ZY 0408	4	8	002		-	-	10
ZY 0510	5	10	003		003		10
ZY 0610	6	10	004		004		10
ZY 0810	8	10	005		005		10
ZY 0816	8	16	006		006		10
ZY 1013	10	13	007		007		10
ZY 1020	10	20	008		008		10
ZY 1032	10	32	009		009		10
ZY 1313	13	13	011		011		10
ZY 1325	13	25	012		012		10
ZY 1632	16	32	-	-	013		10
ZY 2025	20	25	015		015		10
ZY 2040	20	40	-	-	016		10
ZY 2532	25	32	017		017		10

44 605 Mounted points

Shape ZY, rim, **fine**, shank 6 mm



44 605...

44 606 Mounted points

Shape ZY, rim, **coarse**, shank 6 mm

Size	Head Ø mm	Head height mm	44 605... fine		44 606... coarse		
ZY 1604	16	4	006		-	-	10
ZY 2010	20	10	-	-	010		10
ZY 2506	25	6	012		-	-	10
ZY 2516	25	16	-	-	014		10
ZY 3220	32	20	-	-	015		10
ZY 4020	40	20	-	-	016		10

44 608 Mounted points

Shape SP, tree, **fine**, shank 6 mm



44 608...

44 609 Mounted points

Shape SP, tree, **coarse**, shank 6 mm

Size	Head Ø mm	Head height mm	44 608... fine		44 609... coarse		
SP 0510	5	10	054		-	-	10
SP 0816	8	16	055		-	-	10
SP 1320	13	20	-	-	056		10
SP 2032	20	32	-	-	057		10

44 611 Mounted point

Shape KE, cone, **fine**, shank 6 mm



44 611...

44 612 Mounted points

Shape KE, cone, **coarse**, shank 6 mm

Size	Head Ø mm	Head height mm	44 611... fine		44 612... coarse		
KE 1025	10	25	063		063		10
KE 1645	16	45	065		065		10
KE 2040	20	40	-	-	066		10



UNIT PRICE FOR PURCHASE OF 100 PCS PACKAGING UNIT PER ORDER NUMBER. PLEASE ALWAYS STATE NUMBER OF ITEMS IN ORDER.

IBEMO Kazakhstan - 090501 Republic of Kazakhstan, West Kazakhstan Oblast, Aktau, Primzone, BKKS office complex

Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

44 614 Mounted points

Shape KU, ball, **fine**, shank 6 mm



44 614...

44 615 Mounted points

Shape KU, ball, **coarse**, shank 6 mm

Size	Head Ø mm	44 614... fine		44 615... coarse		PU
KU 03	3	074		-	-	10
KU 05	5	-	-	075	-	10
KU 08	8	076		076		10
KU 13	13	077		077		10
KU 16	16	078		078		10
KU 20	20	079		079		10
KU 25	25	081		081		10

44 616 Mounted point sets

fine or coarse combination, sorted on a wooden block



Content No.	Contents Qty	44 616...		Grain
44602006 / 44602012 44602015 / 44605012 44660614 / 44608055 44611063 / 44611065 44614076 / 44614081	10	001		fine
44603006 / 44603013 44603015 / 44606010 44606014 / 44609056 44612063 / 44612066 44615076 / 44615081	10	003		coarse
44602006 / 44602011 44602012 / 44602015 44602017 / 44605012 44606014 / 44608055 44608056 / 44611063 44611065 / 44612066 44614076 / 44614078 44614081	15	008		fine
44603006 / 44603011 44603013 / 44603015 44603017 / 44606010 44606014 / 44609056 44609057 / 44612063 44612065 / 44612066 44615076 / 44615078 44615081	15	010		coarse



44 616 001



44 616 008

44 618 Mounted points

Shape ZY, cylinder, **fine**, shank 3 mm



44 618...

Size	Head Ø mm	Head height mm	44 618...		PU
ZY 0306	3	6	001		10
ZY 0408	4	8	002		10
ZY 0510	5	10	003		10
ZY 0610	6	10	004		10
ZY 0810	8	10	005		10

3 mm shank

44 620 Mounted points

Shape SP, tree, **fine**, shank 3 mm



44 620...

Size	Head Ø mm	Head height mm	44 620...		PU
SP 0306	3	6	006		10
SP 0510	5	10	007		10
SP 0816	8	16	008		10

3 mm shank

44 623 Mounted points

synthetic resin bonded, for machining stainless steels, with 6 mm shank

stainless steel



44 623 ...

Size	Kopf-Ø mm	Head height mm	44 623...		
ZY 1032	10	32	010		10
ZY 1320	13	20	012		10
ZY 1620	16	20	001		10
ZY 2040	20	40	002		10
ZY 2540	25	40	003		10
ZY 3240	32	40	004		10
ZY 4020	40	20	005		10

for stainless steels

44 626 Mounted points

Special corundum NDW (grit 100) fine, with Ø 3 x 50 mm shank, for



steel



44 626...

- fine grinding, lapping or honing work,
- deburring, edge trimming,
- mould making,
- production of medium to finer surfaces,
- cool grinding,
- high edge strength,
- high toughness,
- good cutting,
- no tarnishing,
- shape retention and trueness,
- long tool lives,
- short machining times

Size	Head Ø mm	Head height mm	44 626...		
ZY 0306	3	6	003		10
ZY 0408	4	8	005		10
ZY 0610	6	10	007		10
ZY 0810	8	10	009		10
ZY 1013	10	13	011		10
SP 0510	5	10	015		10
SP 0810	8	10	018		10
KU 0404	4	4	030		10
KU 0606	6	6	033		10
KU 0808	8	8	036		10
WR 1013	10	13	050		10

44 628 Universal mottling points

Elastic mottling points made of polysulphide rubber, interspersed with silicon abrasive, clean, uniform grinding pattern, can be used on stainless steel, non-ferrous and lightweight metals, 6 mm shank



stainless steel



44 628...

Head Ø mm	Head height mm	Grain	44 628...		Maximum speed min ⁻¹
30	30	60	001		5060
40	30	60	002		3820
50	30	60	003		3060
60	30	60	004		2550

Diamond and CBN mounted points

Super-hard abrasives with unsurpassed advantages compared to grinding tools with corundum or silicon carbide,

- longer tool lives and profile retention
- short machining times
- reduced resetting / setting up times
- lower grinding temperatures
- can be used both wet and dry.

Diamond tools are suitable for:

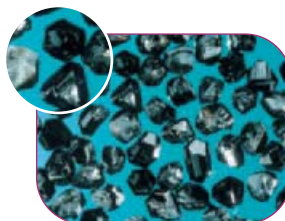
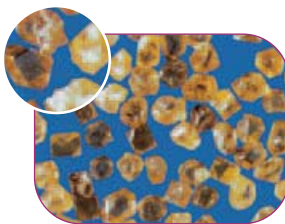
Cemented carbide, glass, ceramic, porcelain, silicon, graphite, natural and artificial stones and fireproof materials.

Not suitable for steel.

Recommended peripheral speed:

wet: 20 m/s, dry: 15 m/s

Grain: universal D126.



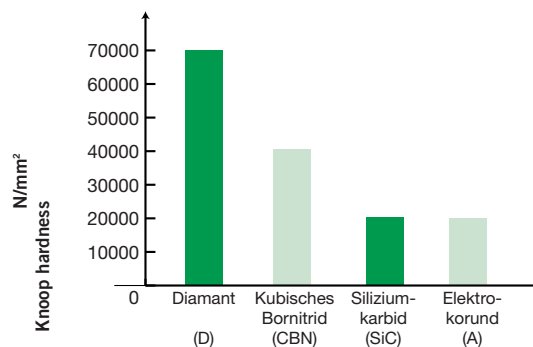
CBN tools are suitable for:

All high-alloy, hardened and tempered steels.

Recommended peripheral speed:

wet: 30 m/s, dry: 20 m/s,

Grain: universal B126



44 635 Diamond mounted points, cylindrical

44 636 CBN mounted points, cylindrical



Head Ø mm	Head height mm	44 635... Diamond		44 636... CBN		Shank Ø mm
1	4	010		010		3
2	4	020		020		3
3	4	030		030		3
3.5	5	035		035		3
4	5	040		040		3
4.5	5	045		045		3
5	5	050		050		3
5.5	6	055		055		3
6	6	060		060		6
8	8	080		080		6
10	8	100		100		6
12	8	120		120		6
15	10	150		150		6



44 637 Diamond mounted points, ball end

44 638 CBN mounted points, ball end



Head Ø mm	44 637... Diamond		44 638... CBN		Shank Ø mm
1	010		010		3
2	020		020		3
3	030		030		3
4	040		040		3
5	050		050		3
6	060		060		3
8	080		080		6
10	100		100		6
12	120		120		6



Sanding points / sanding drums

Reusable holders for sanding sleeves/drums, for machining steel, non-ferrous metals, plastics, rubber, leather, wood, including at edges, rough grinding of V2A vessels, grinding of spot welding points, lightweight metal castings, honing dies, regrinding pipe ends in pipe and radiator building, and many more uses,

44 642 GK sanding drums and points

Properties:

Slotted elastic rubber sanding points/drums onto which the sanding sleeve is pushed. Optimum, slip-free belt tension is not achieved until during use at the recommended minimum **speed!**

Shank diameter 6 mm

Size	44 642...		Ø	Height	Max. speed	Minimum speed
			mm	mm	min ⁻¹	min ⁻¹
1020	002		10	20	36,000	30,000
1310	003		13	10	36,000	30,000
1530	006		15	30	36,000	25,000
2220	008		22	20	26,000	18,000
3020	011		30	20	19,100	13,000
3030	012		30	30	19,100	13,000
4530	014		45	30	12,700	9,000
6030	017		60	30	9,500	6,500
292230	021		29/22	30	19,100	13,000
201463	022		20/14	63	22,000	15,000



44 642 002



44 642 021



44 642 022

Sanding points / sanding drums

are used both in series production as well as occasionally, tear-resistant material fully bonded with synthetic resin forms the base, good grain adhesion achieves a long tool life, the addition of

grease or grinding oil is advisable, especially for machining light-weight metals, recommended peripheral speed approx. 20 m/s

44 645 Sanding point sleeves/drums, coarse K50



...002 - ...017



...021



...022

44 646 Sanding point sleeves/drums, medium K 80



...002 - ...017



...021



...022

44 648 Sanding point sleeves/drums, fine K 150



...002 - ...017



...021



...022

Ø	Height	44 645...		44 646...		44 648...	Price	
mm	mm	coarse		medium		fine	0	PU
10	20	002		002		002	0.35	25
15	30	006		006		006	0.35	25
22	20	008		008		008	0.23	25
30	20	011		011		011	0.28	25
30	30	013		013		013	0.40	25
45	30	015		015		015	0.50	25
60	30	017		017		017	0.66	25
29/22	30	021		021		021	0.99	25
20/14	63	022		022		022	1.29	25



UNIT PRICE FOR PURCHASE OF ONE PACKAGING UNIT PER ORDER NUMBER. PLEASE ALWAYS STATE NUMBER OF ITEMS IN ORDER.

Bemo Kazakhstan - 090501 Republic of Kazakhstan, West Kazakhstan Oblast, Aktau, "Ramzone, BKKS office complex

Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

44 650 Flap wheels

Abrasive quality: Aluminium oxide
with 6 mm shank, for collet chuck fixing, for machining small parts, small radii, pipes and tubes, openings, press mouldings, metal models

Ø	Width	Grit	44 650...		Speed optimum min ⁻¹	Speed maximum min ⁻¹	
mm	mm						
30	5	60	005		12,000	25,000	10
30	5	80	006		12,000	25,000	10
30	5	120	007		12,000	25,000	10
30	10	60	015		12,000	25,000	10
30	10	80	016		12,000	25,000	10
30	10	120	017		12,000	25,000	10
30	10	150	018		12,000	25,000	10
30	10	240	019		12,000	25,000	10
40	15	60	042		9,600	19,000	10
40	15	80	043		9,600	19,000	10
40	15	120	044		9,600	19,000	10
40	15	150	045		9,600	19,000	10
40	15	240	047		9,600	19,000	10
50	15	60	062		7,000	15,000	10
50	15	80	063		7,000	15,000	10
50	15	120	064		7,000	15,000	10
50	15	150	065		7,000	15,000	10
50	20	60	055		7,000	15,000	10
50	20	80	056		7,000	15,000	10
50	20	120	057		7,000	15,000	10
60	30	40	091		6,300	12,500	10
60	30	60	092		6,300	12,500	10
60	30	80	093		6,300	12,500	10
60	30	120	094		6,300	12,500	10
60	30	150	095		6,300	12,500	10
60	30	240	097		6,300	12,500	10
60	30	320	098		6,300	12,500	10
60	40	60	102		6,300	12,500	10
60	40	80	103		6,300	12,500	10
60	40	120	104		6,300	12,500	10
60	40	150	105		6,300	12,500	10
80	30	60	142		4,800	9,500	10
80	30	80	143		4,800	9,500	10
80	30	120	144		4,800	9,500	10
80	30	150	145		4,800	9,500	10
80	40	60	152		4,800	9,500	10
80	40	80	153		4,800	9,500	10
80	40	120	154		4,800	9,500	10
80	50	60	165		4,800	9,500	10
80	50	80	166		4,800	9,500	10
80	50	120	167		4,800	9,500	10
80	50	240	168		4,800	9,500	10



44 652 Non-woven flap wheels

Abrasive quality: Aluminium oxide

with 6 mm shank, **made of non-woven nylon fibres with uniformly distributed abrasive inside**, uniform work results on every surface due to elastic material, moisture-resistant, non-clogging, particularly suitable for **satin finish polishing and roughing or finishing of stainless steel and aluminium surfaces**



Non-woven

44 652...



Non-woven/linen

44 652...



Linen

44 658...



Non-woven

44 658...



Non-woven/linen

44 658...

Ø mm	Width mm	Abrasive/Grit mm	44 652...		max. speed min ⁻¹
50	20	Non-woven 100	051		12,000
50	20	Non-woven 180	052		12,000
50	20	Non-woven 280	053		12,000
50	20	Non-woven / Linen 100 / 80	056		12,000
50	20	Non-woven / Linen 180 / 150	057		12,000
50	20	Non-woven / Linen 280 / 240	058		12,000
60	30	Non-woven 100	061		10,000
60	30	Non-woven 180	062		10,000
60	30	Non-woven 280	063		10,000
60	30	Non-woven / Linen 100 / 80	066		10,000
60	30	Non-woven / Linen 180 / 150	067		10,000
60	30	Non-woven / Linen 280 / 240	068		10,000
75	45	Non-woven 100	071		8,000
75	45	Non-woven 180	072		8,000
75	45	Non-woven 280	073		8,000
75	45	Non-woven / Linen 100 / 80	076		8,000
75	45	Non-woven / Linen 180 / 150	077		8,000
75	45	Non-woven / Linen 280 / 240	078		8,000
80	50	Non-woven 100	081		7,500
80	50	Non-woven 180	082		7,500
80	50	Non-woven 280	083		7,500
80	50	Non-woven / Linen 100 / 80	086		7,500
80	50	Non-woven / Linen 180 / 150	087		7,500
80	50	Non-woven / Linen 280 / 240	088		7,500
100	45	Non-woven 100	101		6,000
100	45	Non-woven 180	102		6,000
100	45	Non-woven 280	103		6,000
100	45	Non-woven / Linen 100 / 80	106		6,000
100	45	Non-woven / Linen 180 / 150	107		6,000
100	45	Non-woven / Linen 280 / 240	108		6,000

44 658 Lamellar flap grinding rolls

With 19 mm bore with keyway. The sanding cloth lamellae (flaps) are densely arranged next to each other, radially around the disc core and enable optimum adjustment to the workpiece to be machined, for grinding/sanding, polishing and matt finishing of steel, VA steel, non-ferrous metals, plastic and wood

Ø mm	Width mm	Abrasive/Grit	44 658...		max. speed min ⁻¹
100	50	Linen 60	301		8700
100	50	Linen 80	303		8700
100	50	Linen 120	305		8700
100	50	Non-woven 100	311		5700
100	50	Non-woven 180	313		5700
100	50	Non-woven 280	315		5700
100	50	Non-woven / Linen 100 / 80	321		5700
100	50	Non-woven / Linen 180 / 150	323		5700
100	50	Non-woven / Linen 280 / 240	325		5700
100	100	Linen 60	341		8700
100	100	Linen 80	343		8700
100	100	Linen 120	345		8700
100	100	Non-woven 100	351		5700
100	100	Non-woven 180	353		5700
100	100	Non-woven 280	355		5700
100	100	Non-woven / Linen 100 / 80	361		5700
100	100	Non-woven / Linen 180 / 150	363		5700
100	100	Non-woven / Linen 280 / 240	365		5700

44 659 Lamellar flap sanding rolls

with M 14 internal thread, for roughing and finishing of stainless steel and aluminium surfaces, sheet steel, non-ferrous metals, wood and plastic parts, for removing scratches, ridges, oxidation, dirt and paints.

Type: Linen, non-woven and non-woven/linen. Particularly suitable for satin finishing.



Linen

44 659...



Non-woven

44 659...



Non-woven/linen

44 659...

Ø mm	Width mm	Abrasive / Grit	44 659...		max. speed min ⁻¹
110	50	Linen 60	001		8000
110	50	Linen 80	003		8000
110	50	Linen 120	005		8000
110	50	Non-woven 80	008		5300
110	50	Non-woven 100	010		5300
110	50	Non-woven 180	012		5300
110	50	Non-woven 280	014		5300
110	50	Non-woven / Linen 80 / 60	016		5300
110	50	Non-woven / Linen 100 / 80	018		5300
110	50	Non-woven / Linen 180 / 150	020		5300
110	50	Non-woven / Linen 280 / 240	022		5300

44 661 Lamellar flap sanding wheels

for fine grinding/sanding and improving the surface.

- fatigue-free work and sparing of the drive motor due to very low weight,
- no transfer of any grinding heat produced,
- no electrical conductivity,
- bearing disc made on the basis of renewable raw materials,
- abrasive product made of cotton,
- low noise nuisance, vibration damping. bore 22.2 mm, max. working speed 30 m/sec.
- **Abrasive quality: A=aluminium oxide, S=silicon carbide**



for improving the surface



44 661 001 - ...013



for fine grinding/sanding

44 661 101 - ...112

Ø mm	Width mm	Material/Grit	44 661...		max. speed min ⁻¹
for improving the surface					
115	20	A / 80	001		4900
115	20	A / 150	002		4900
115	20	A / 240	003		4900
115	20	S / 80	011		4900
115	20	S / 150	012		4900
115	20	S / 240	013		4900
for fine grinding/sanding					
115	20	A / 104	101		4900
115	20	A / 106	102		4900
115	20	A / 107	103		4900
115	20	S / 206	111		4900
115	20	S / 207	112		4900

44 662 Lap mop wheels

densely packed, radially arranged lamellae (flaps) made of synthetic resin bonded abrasive cloth or abrasive non-woven enable optimum adjustment to the workpiece to be machined, uniform wear with consistent work results during the whole life

Areas of use: Depending on the type and grain/grit; for coarse, medium and fine finish sanding of surfaces and contours. Satin finishing and fine machining of large surfaces Fixed with mounting flange Ø 51 mm, see Prod. No. 44 663...



...014-...016

...009-...012

Ø mm	Width mm	Grain	44 662...		max. speed min ⁻¹
165	30	60	009		6,400
165	30	80	011		6,400
165	30	120	012		6,400
165	50	60	014		6,400
165	50	80	015		6,400
165	50	120	016		6,400

44 663 Mounting flange

made of sheet steel, zincd, for lap mop wheels No. 44 662...

Ø mm	44 663...		Bore mm
51	002		12



44 663 002

If you would like a practical demonstration of this sanding/grinding system, please contact our field sales technical consultant responsible for your account!

44 621 "POLIFLAP" abrasive wheel



For machining surface structures. The sanding and rubber lamellae (flaps) can be effortlessly replaced. Ideally suited for machining rust and acid-resistant steels

The abrasive wheels consists of a substrate with shank (12 mm Ø) and rubber lamellar flaps and must be completed with corresponding abrasive flaps. The combination and arrangement makes the tool very flexible. Preferably use on straight sanders or with bending shafts. Optimum results on stainless steel at speeds between 1,400 - 1,700 rpm

Examples of use:

- Matching and reinstating surface structures
- Fine sanding of radii, contours, curves and large surfaces
- Removing slight secondary burrs
- Removing tarnishing
- Cleaning surfaces

Ordering information:

The POLIFLAP abrasive wheel is supplied without abrasive flaps.

Please order abrasive flaps with the required grain / grit separately



44 621 001

Size D x T mm	44 621...		Shank Ø mm	Rec. speed mm	Max. all. Speed
170 x 60	001		12	1,500 /min	3,500 / min

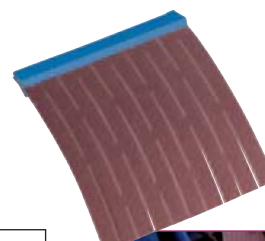
44 621 "POLIFLAP" abrasive lamellar flaps



Suitable for POLIFLAP abrasive wheel 44 621 001

Various grains or grit sizes are available for achieving different visual effects. If they are worn, the abrasive flaps on the abrasive wheel can be effortlessly replaced. 12 abrasive flaps (1 pack) are required for fitting a complete wheel. Please order the initial supply and further requirements separately

Grit	44 621...		Size B x L mm	PU
60	006		60 x 75	12
80	008		60 x 75	12
120	012		60 x 75	12
180	018		60 x 75	12



44 621 006



44 621 "POLIFLAP" rubber lamellar flaps



Suitable for POLIFLAP abrasive wheel 44 621 001

The rubber lamellar flaps, which lie between the abrasive lamellar flaps, enhance the abrasive effect and flexibility. If they are worn, the rubber flaps on the abrasive wheel can be effortlessly replaced. 12 rubber flaps (1 pack) are required for fitting a complete wheel.

Size mm	44 621...		PU
55 x 50	101		12



44 621 101



80 920 Universal electric straight sander UGER 10/20 SI



Optimum for fine sanding, structuring and polishing work

- with low speeds and high tractive power
- for working on large surface structures
- ideal for construction sites and assembly
- totally insulated
- incl. 12 mm collet chuck
- high power output ensures very good speed stability.
- ideal for producing large surface structures
- lightweight, easy to handle machine.
- High drive power, integrated overload protection
- Soft-start control for protecting mechanism and electronics

Technical data:

Speeds 700, 900, 1100, 1300, 1450, 1600 min⁻¹
 Voltage 230 V
 Power consumption 1050 W
 Power output 660 W
 Shank connection Ø 12 mm
 Weight: 3.2 kg

80 920...	
010	



80 920 010

optimum for working with the
"POLIFLAP" abrasive system



"TOOLS"

UNIT PRICE FOR PURCHASE OF ONE PACKAGING UNIT PER ORDER NUMBER. PLEASE ALWAYS STATE NUMBER OF ITEMS IN ORDER.

Bemo Kazakhstan - 090501 Republic of Kazakhstan, West Kazakhstan Oblast, Aktau, Framzone, BKKS office complex

Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

44 666 PCT sanding cap holders

the slotted rubber body holds the seamlessly shaped sanding caps, the caps are held in position by centrifugal force, easy to change, primarily used in toolmaking to carry out finishing work in difficult to access places



Size/ Shape	Ø x height mm	Shank Ø mm	44 666...		Speed min ⁻¹
0712A	7 x 12	3	001		30,000
1317A	13 x 17	6	002		16,000
1626A	16 x 26	6	003		12,000
0713C	7 x 13	3	004		30,000
1317C	13 x 17	6	005		16,000
1626C	16 x 26	6	006		12,000
0713G	7 x 13	3	007		30,000
1317G	13 x 17	6	008		16,000
1626G	16 x 26	6	009		12,000



44 667 PC sanding caps

Shape A, for sanding cap holder No. 44 666 001 - ...003, price each, Abrasive: Corundum A

Size	for sanding cap holder Size	Grit	44 667...		
07 A	0712 A	60	001		20
13 A	1317 A	60	002		20
16 A	1626 A	60	003		20
07 A	0712 A	150	004		20
13 A	1317 A	150	005		20
16 A	1626 A	150	006		20
07 A	0712 A	280	007		20
13 A	1317 A	280	008		20
16 A	1626 A	280	009		20



44 667...

44 668 PC sanding caps

Shape C, for sanding cap holder No. 44 666 004 - ...006, price each, Abrasive: Corundum A

Size	for sanding cap holder Size	Grit	44 668...		
07 C	0712 C	60	001		20
13 C	1317 C	60	002		20
16 C	1626 C	60	003		20
07 C	0712 C	150	004		20
13 C	1317 C	150	005		20
16 C	1626 C	150	006		20
07 C	0712 C	280	007		20
13 C	1317 C	280	008		20
16 C	1626 C	280	009		20



44 668...

44 669 PC sanding caps

Shape G, for sanding cap holder No. 44 666 007 - ...009, price each, Abrasive: Corundum A

Size	for sanding cap holder Size	Grit	44 669...		
07G	0713G	60	001		20
13G	1317G	60	002		20
16G	1626G	60	003		20
07G	0713G	150	004		20
13G	1317G	150	005		20
16G	1626G	150	006		20
07G	0713G	280	007		20
13G	1317G	280	008		20
16G	1626G	280	009		20



44 669...

44 678 PF fine sanding tool

Poliflex G soft, grit 120, for a particularly fine polished finish (not suitable for edges and rough surfaces), for matt finishing, machining vessels and apparatus made of stainless and acid-resistant steel, non-ferrous and lightweight metals, plastics, for polishing press and injection mouldings, for achieving visual effects on rustproof vessels, and many more applications.



44 678...

for fine finish

Size	Head Ø mm	Head height mm	Shank Ø mm	44 678...		
0812 A	8	12	3	004		5
1015 A	10	15	6	008		5
1525 A	15	25	6	016		5
2030 A	20	30	6	017		5
2525 A	25	25	6	021		5
3030 A	30	30	6	022		5

44 680 ANCN 80 TX fine sanding tool

Cylindrical shape, with 6 mm shank

Fine sanding finish of press and forged dies, slight rounding off of edges and fine surface finishes

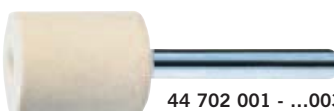


44 680

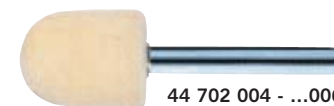
Size	Grit	44 680...	
10 x 25 x 6	80	010	
16 x 32 x 6	80	016	
20 x 32 x 6	80	020	
25 x 32 x 6	80	025	

44 702 FK polishing points

are used in conjunction with abrasive emulsion or other polishing agents for refining surfaces of pre-sanded parts, recommended peripheral speed: 5 - 10 m/s



44 702 001 - ...003



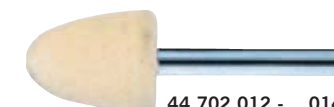
44 702 004 - ...006



44 702 007



44 702 008 - ...011



44 702 012 - ...014

Size/Shape	Head Ø mm	Head height mm	Shank Ø mm	44 702...	
1014 A	10	14	6	001	
2025 A	20	25	6	002	
2530 A	25	30	6	003	
1520 C	15	20	6	004	
2025 C	20	25	6	005	
2530 C	25	30	6	006	
1014 D	10	14	6	007	
1018 K	10	18	6	008	
1520 K	15	20	6	009	
1530 K	15	30	6	011	
2025 L	20	25	6	012	
2530 L	25	30	6	013	
3035 L	30	35	6	014	

44 704 FK felt polishing wheels

are used in conjunction with abrasive emulsion or other polishing agents for refining surfaces of pre-sanded parts, recommended peripheral speed: 5 - 10 m/s, supplied without mounting bolt (see 44 706...)



44 704...

Size	Disc Ø mm	Width mm	Bore mm	44 704...	
3007	30	7	6	001	
4509	45	9	6	002	



44 706 Mounting bolt/mandrel

for felt polishing wheels No. 44 704...



44 706 001

Size	Shank	Clamping range	44 706...	
6/610	6 x 35	Ø 6 x 10	001	

44 714 Felt discs

made of woollen felt, white, for sanding and polishing



44 714...

Ø mm	Width mm	Bore mm	Weight g	44 714...	
150	20	15	200	001	
200	25	15	450	002	

44 717 Buffing discs

made of coarse, untreated cotton cloth, white, for polishing metals



44 717...

Ø mm	Width mm	Bore mm	Number of backstitch seams	Weight g	44 717...	
150	35	15	2	180	001	
200	35	15	3	405	002	
250	35	15	3	770	003	
300	35	30	4	1000	004	

44 722 Sanding and polishing compounds

optimum possible uses by tests with the individual types,
1 kg blocks



44 722 001



44 722 002



44 722 003

Type	44 722...	Intended use
brown	001	Made from rottenstone, medium-fine, with fine emery additive, for iron and non-ferrous metals, synthetic resin, horn, and similar materials.
white	002	Universal paste for all metals, particularly suitable for stainless and soft metals and moulding compound parts
brilliant white	003	Especially for Plexiglas and similar material, polyester surfaces, German silver, stainless steels and precious metals

44 732 Special grinding-in pastes

in tubes, for very fine grinding, lapping and adjustment work, also suitable for plastics, can be diluted and removed with oil, petroleum, benzine or lighter fuel



44 732...

Code No.	44 732...	Grit size	Contents
		µ	ml
90	002	180 - 160	80
150	004	105 - 88	80
180	006	88 - 60	80
240	008	55 - 40	80
320	011	39 - 21	80
400	013	28 - 14	80
600	015	15 - 8	80
800	017	12 - 6	80
1000	019	8 - 3	80
1200	022	5 - 1	80



44 736 TETRABOR® lapping paste, water soluble

for lapping the hardest steels, ceramic, titanium, plastics...
universal use with maximum efficiency due to extreme hardness of boron carbide (30,000 N/00°)



44 736...

Designation	44 736...		Grit size μ	Contents ml
F 60	006		300 - 212	75
F 100	010		150 - 106	75
F 220	022		75 - 45	75
F 320	032		49 - 17	75
F 400	040		32 - 8	75
F 600	060		19 - 3	75
F 800	080		14 - 2	75
F 1200	120		7 - 1	75

44 742 SJK-5 SUPER diamond pastes

in metering syringes of 5 g, for lapping and polishing tools, bearings, dies and cemented carbides. Quality: MOS oil-soluble, MWS water-soluble



44 742...

Grit size μ	44 742...		Grit range Micron	Use
3/4	002		0.5 - 1	Materials, steel, cast iron, etc.
1	003		0 - 2	High-gloss polishes for sanding finishes on hardened materials and cemented carbides
6	005		5 - 7	General fine polishing for steel, cemented carbide and precious stones
15	007		12 - 20	Extremely fine sanding of sealing flanges as well as hardened steel, stainless steel and cemented carbide
30	008		25 - 37	Extremely fine sanding of sealing flanges as well as hardened steel, stainless steel and cemented carbide

45 401 Abrasive cloth, brown

highly flexible twill, sheet size 230 x 280 mm, fully synthetic resin bonded, due to its excellent flexibility is particularly suitable for manual sanding of edges, curves, profiles and concave mouldings and for crankshaft grinding to a prescribed roughness, flexible twill is easy to tear

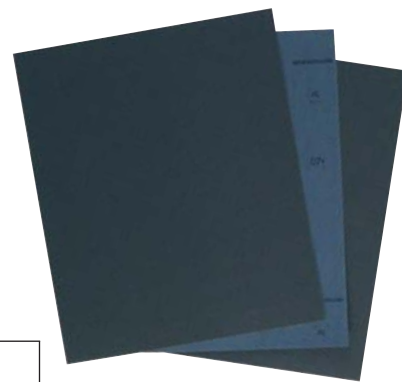


45 401...

Grit	45 401...		
40	001		50
60	003		50
80	004		50
100	005		50
120	006		50
150	007		50
180	008		50
220	009		50
240	011		50
320	013		50
360	014		50
400	015		50
500	017		50
600	019		50

45 411 Abrasive cloth, blue

strong twill, sheet size 230 x 280 mm, for general metalwork with manual grinding

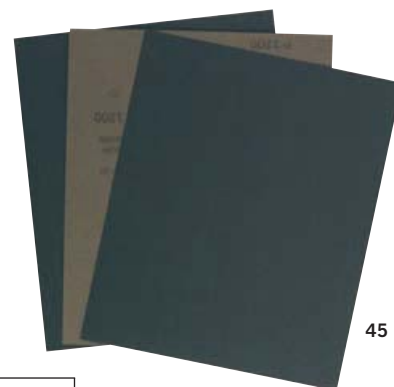


45 411...

Grit	45 411...		
40	001		50
60	003		50
80	004		50
100	005		50
120	006		50
150	007		50
180	008		50
220	009		50
240	011		50
320	013		50
400	015		50

45 417 Polishing paper

waterproof, sheet size 230 x 280 mm, silicon carbide



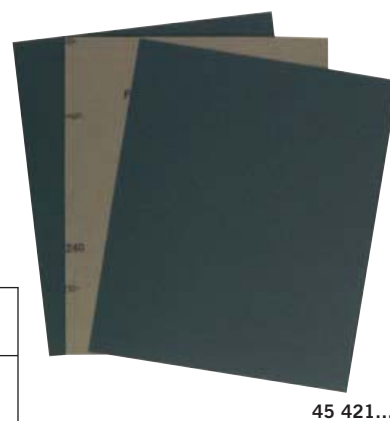
45 417...

Grit	45 417...		
P 600	001		50
P 800	003		50
P1200	005		50
P1500	007		50

Waterproof

45 421 Sandpaper, waterproof

medium strength, waterproof paper, sheet size 230 x 280 mm, with uniformly dispersed abrasive, for grinding, sanding and lapping painted and filled surfaces



45 421...

Grit	45 421...		
120	006		50
150	007		50
180	008		50
220	009		50
240	011		50
280	012		50
320	013		50
360	014		50
400	015		50
500	016		50

45 441 Off-hand grinding paper (glass paper)

for sanding wood, varnish and paint, Sheet size 230 x 280 mm



45 441...

Grit	45 441...		
40	001		50
50	002		50
60	003		50
80	004		50
100	005		50
120	006		50
150	007		50
180	008		50
220	009		50

45 444 Pad sander paper

Corundum finishing paper in strips, for sanding and polishing wood, as well as varnished and filled surfaces



45 444 001 - ...008

Grit	45 444...		Size mm	
40	001		93 x 230	50
60	002		93 x 230	50
80	003		93 x 230	50
100	004		93 x 230	50
120	005		93 x 230	50
150	006		93 x 230	50
180	007		93 x 230	50
220	008		93 x 230	50
40	009		115 x 280	50
60	011		115 x 280	50
80	012		115 x 280	50
100	013		115 x 280	50
120	014		115 x 280	50
150	015		115 x 280	50
180	016		115 x 280	50
220	017		115 x 280	50



45 444 009 - ...017

45 447 Abrasive sheets

- For orbital, random orbital and delta sanders
- For machining wood (including hardwood), metal
- High removal rate and long life
- Corundum on full synthetic resin bonding and X fabric

Type of fixing: Velcro

...082 to ...090: clamped

with 14 holes, Velcro



...021 - ...030

with 8 holes, Velcro



...061 - ...070

with 8 holes, clamped



...082 - ...090

Velcro



...141 - ...150

with 6 holes, Velcro



...161 - ...170

with 8 holes, Velcro



...201 - ...210

with 6 holes, Velcro



...221 - ...230

with 9 holes, Velcro



...241 - ...250

Grit	45 447...		Size mm	Number of holes	Sheets/pack	Suitable for machine types
40	021		115 x 230	14	10	...021 to... 030: FESTOOL: RS1 STF, RS2 STF/E MAKITA: 9045B/N, 9046 METABO: SR 358, SR 4351
60	023		115 x 230	14	10	
80	024		115 x 230	14	10	
100	025		115 x 230	14	10	
120	026		115 x 230	14	10	
180	028		115 x 230	14	10	
240	030		115 x 230	14	10	
40	061		93 x 185	8	10	...061 to ...070: BOSCH: GSS 23AE, GSS230A/AE, PSS 23/A/AE, PSS 180A, PSS 240A/AE FESTOOL: RS3 SFE/E MAKITA: 9036 METABO: SR356, SR357, SR 4350
60	063		93 x 185	8	10	
80	064		93 x 185	8	10	
100	065		93 x 185	8	10	
120	066		93 x 185	8	10	
180	068		93 x 185	8	10	
240	070		93 x 185	8	10	
60	082		93 x 230	8	10	...082 to ...090 BOSCH: GSS 23AE, GSS230A/AE, PSS 23/A/AE, PSS 180A, PSS 240A/AE FESTOOL: RS3 SFE/E METABO: SR10-23, SR20-23, SR226, SR356, SR4350
80	083		93 x 230	8	10	
100	085		93 x 230	8	10	
180	088		93 x 230	8	10	
240	090		93 x 230	8	10	
40	141		82 x 82 x 82	-	5	...141 to ...150: FEIN: MOX6-24/-25, MSX315, MSX 636-1/-2, MSXE636-2
60	142		82 x 82 x 82	-	5	
80	143		82 x 82 x 82	-	5	
100	145		82 x 82 x 82	-	5	
120	146		82 x 82 x 82	-	5	
180	148		82 x 82 x 82	-	5	
240	150		82 x 82 x 82	-	5	
40	161		95 x 95 x 95	6	5	...161 to ...170: FESTOOL: DX93E/E Plus
60	162		95 x 95	6	5	
80	163		95 x 95 x 95	6	5	
100	165		95 x 95 x 95	6	5	
120	166		95 x 95 x 95	6	5	
180	168		95 x 95 x 95	6	5	
240	170		95 x 95 x 95	6	5	
40	201		125 mm Ø	8	5	...201 to ...210: BOSCH: GEX 125A/AC, PEX 12A/AE, PEX 125 A-1 PEX 125AE, PEX 400AE FESTOOL: ES 125/E FEIN: MSF 636-1
60	202		125 mm Ø	8	5	
80	203		125 mm Ø	8	5	
100	205		125 mm Ø	8	5	
120	206		125 mm Ø	8	5	
180	208		125 mm Ø	8	5	
240	210		125 mm Ø	8	5	
40	221		150 mm Ø	6	5	...221 to ...230: BOSCH: GEX 150AC/ACE, PEX 15AE, PEX 420AE METABO: SXE 425XL, SXE 450 DUO
60	222		150 mm Ø	6	5	
80	223		150 mm Ø	6	5	
100	225		150 mm Ø	6	5	
120	226		150 mm Ø	6	5	
180	228		150 mm Ø	6	5	
240	230		150 mm Ø	6	5	
40	241		150 mm Ø	9	50	...241 to ...250: FESTO: ET 2E, RO 150E, ES 150/3 EQ/C ES 150/5 EQ/C
60	242		150 mm Ø	9	50	
80	243		150 mm Ø	9	50	
100	245		150 mm Ø	9	50	
120	246		150 mm Ø	9	50	
180	248		150 mm Ø	9	50	
240	250		150 mm Ø	9	50	



BOSCH



45 465 Schleifffix manual cleaning blocks

weakly bonded cleaning agent containing abrasive for polishing and matt finishing, adding water, soap or petroleum increases the effect,
Size 80 x 50 x 20 mm



45 465 002

Grit	45 465...	
60	001	
120	002	
240	003	

45 471 Rubber sanding block

handy shape, indispensable for manual sanding and polishing, sand-paper and abrasive cloths can be quickly and effortlessly clamped into position and are held fast by captive metal pins



45 471 001

Length mm	45 471...		Width mm	Height mm
130	001		70	32

45 472 Sanding block made of compressed cork

for manual sanding and polishing using abrasive papers and cloths



45 472 001

Length mm	45 472...		Width mm	Height mm
125	001		60	35

45 491 Non-woven hand pad

the synthetic non-woven fabric unites the unique combination of fibres, resin and abrasive with outstanding properties, removes rust, corrosion and discolorations, cleans sensitive surfaces, e.g. measuring tools, especially suitable for finishing stainless steel and non-ferrous metals, produces a very fine dash matted finish,
Size: 152 x 229 mm



45 491...

Grit	Colour	45 491...		
medium 120	rust brown	011		10
fine 180	rust brown	012		10
very fine 320	rust brown	013		10
ultra fine 600	black-grey	014		10

45 492 Rolls of abrasive non-woven strip

Length 10 m, the synthetic non-woven fabric unites the unique combination of fibres, resin and abrasive with top properties, removes rust, corrosion and discolorations, cleans sensitive surfaces, e.g. measuring tools, especially suitable for finishing stainless steel and non-ferrous metals, produces a very fine dash matted finish

45 492 008



45 492 010

Width mm	Grit	Colour	45 492...	
100	medium 120	rust brown	002	
100	fine 180	rust brown	003	
100	very fine 320	rust brown	004	
100	super fine 400	black-grey	005	
100	ultra fine 600	black-grey	006	
115	medium 120	rust brown	007	
115	fine 180	rust brown	008	
115	very fine 320	rust brown	009	
115	super fine 400	black-grey	010	
115	ultra fine 600	black-grey	011	

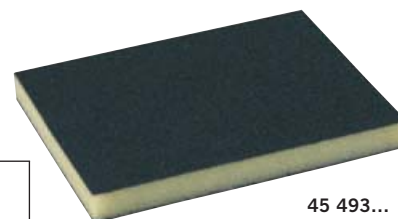
45 493 Abrasive sponge pads

made of soft foam, 2-sides sprinkled with silicon carbide grit, waterproof, for work on slightly to highly profiled workpieces

made of wood, plastic and metal,

Size 120 x 98 x 13 mm

Colour mm	45 493...		Grit mm	
black	001		60	10
black	002		100	10
black	003		180	10



45 493...

45 495 Abrasive sponge blocks

made of compacter foam, 4-sides sprinkled with corundum grit, waterproof, for use on flat surfaces, edges and slight curves of workpieces made of wood, plastic and metal,

Size 98 x 69 x 26 mm

Colour mm	45 495...		Grit mm	
dark brown	001		60	10
dark brown	002		80	10
dark brown	003		100	10
dark brown	004		180	10



45 495...

45 501 Cost-effective large rolls of abrasive cloth strip

50 m per roll **highly flexible twill**, full synthetic resin bonded, for manual sanding of edges, curves, profiles and fillets or concave mouldings, high abrasive power, oil and petroleum-proof.

For suitable unwinding device/roll holder, see Prod. No.: **45 502...**



45 501...

Tape width mm	Grit	45 501...	
25	40	001	
25	60	003	
25	80	004	
25	100	005	
25	120	006	
25	150	007	
25	180	008	
25	240	011	
25	320	013	
25	400	015	
38	40	101	
38	60	103	
38	80	104	
38	100	105	
38	120	106	
38	150	107	
38	180	108	
38	240	111	
38	320	113	
38	400	115	

Strip width mm	Grit	45 501...	
50	40	201	
50	60	203	
50	80	204	
50	100	205	
50	120	206	
50	150	207	
50	180	208	
50	240	211	
50	320	213	
50	400	215	
115	40	301	
115	60	303	
115	80	304	
115	100	305	
115	120	306	
115	150	307	
115	180	308	
115	240	311	
115	320	313	
115	400	315	

45 502 Roll holder

Robust holder for 5 large rolls of abrasive cloth strip, easy to fit wherever there is space on a wall. The unit holds bulk rolls of up to 50 mm wide and 50 m long, although the rolls can have different widths. Complete with tear-off edge including fixing materials, **not including abrasive cloth rolls**



45 502 001

Size (B x D x H) mm	45 502...	
430 x 370 x 80	001	

45 496 Non-woven abrasive belts

...030 + ...032 suitable for Suhner

...050 + ...052 suitable for Löser



45 496 030



45 496 050

Size mm	45 496...		Grit mm
12 x 520	030		medium
12 x 520	032		fine
13 x 610	050		medium
13 x 610	052		fine

45 508 Sanding belts

endless, for hand-held belt sanders, robust cotton fabric - X, corundum, universal belt for grinding metal

steel

45 512 Sanding belts

endless, X polyester fabric, full synthetic resin bonding, corundum,

• For grinding structural steels

Size mm	Grit mm	45 508...	
9 x 533	60	301	
9 x 533	80	311	
9 x 533	120	321	
13 x 520	60	303	
13 x 520	80	313	
13 x 520	120	323	
13 x 610	60	305	
13 x 610	80	315	
13 x 610	120	325	
30 x 533	60	307	
30 x 533	80	317	
30 x 533	120	327	
65 x 410	60	036	
65 x 410	80	038	
65 x 410	100	040	
65 x 410	120	042	
75 x 480	40	064	
75 x 480	60	066	
75 x 480	80	068	
75 x 480	100	070	
75 x 480	120	072	
75 x 480	150	074	
75 x 533	40	094	
75 x 533	60	096	
75 x 533	80	098	
75 x 533	100	100	
75 x 533	120	102	
75 x 533	150	104	
75 x 533	180	106	
100 x 560	40	184	
100 x 560	60	186	
100 x 560	80	188	
100 x 560	100	190	
100 x 560	120	192	
100 x 560	150	194	
100 x 610	60	216	
100 x 610	80	218	
100 x 610	100	220	
100 x 610	120	222	
100 x 620	40	244	
100 x 620	60	246	
100 x 620	80	248	
100 x 620	100	250	
100 x 620	120	252	
100 x 620	150	254	
100 x 620	180	256	
Size mm	Grit mm	45 512...	
100 x 1000	40	024	
100 x 1000	60	026	
100 x 1000	80	028	
100 x 1000	120	029	
75 x 2000	40	004	
75 x 2000	60	006	
75 x 2000	80	008	
75 x 2000	120	011	
150 x 2000	40	044	
150 x 2000	60	046	
150 x 2000	80	048	
150 x 2000	120	049	



45 508...



45 512...

() Available in packs of 10 only. Other dimensions and qualities available on request



45 514 Sanding belts

endless, heavy X polyester fabric, full synthetic resin bonding,

- For grinding high-strength and stainless steels

stainless
steel

Size mm	Grit mm	45 514...	
9 x 533	60	056	
9 x 533	80	060	
9 x 533	120	064	
12 x 520	60	068	
12 x 520	80	072	
12 x 520	120	076	
13 x 610	60	080	
13 x 610	80	084	
13 x 610	120	088	
30 x 533	60	092	
30 x 533	80	096	
30 x 533	120	100	
75 x 2000	40	104	
75 x 2000	60	106	
75 x 2000	80	108	
75 x 2000	120	111	
75 x 2500	40	114	
75 x 2500	60	116	
75 x 2500	80	118	
75 x 2500	120	119	
100 x 1000	40	124	
100 x 1000	60	126	
100 x 1000	80	128	
100 x 1000	120	129	
150 x 2000	40	144	
150 x 2000	60	146	
150 x 2000	80	148	
150 x 2000	120	149	

Other dimensions and qualities available on request



45 514...

45 516 Sanding belts

endless, X polyester fabric, full synthetic resin bonding with super-size coating for a cool ground finish - especially for stainless steel, special corundum,

- For cool grinding of stainless steel

Alu

stainless
steel

Size mm	Grit mm	45 516...	
75 x 2000	40	204	
75 x 2000	60	206	
75 x 2000	80	208	
75 x 2000	120	211	



45 516...

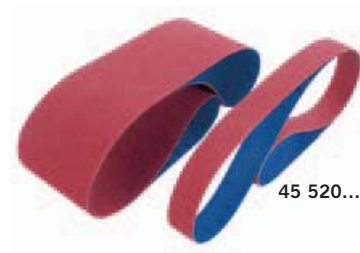
45 520 Sanding belts

endless, heavy X polyester substrate. Cool grind finish with long life, for belt sanders, for grinding steels, alloys, stainless steel and heat sensitive steels with high pressure, with 100 % ceramic abrasive in a full synthetic resin bonding with coolants.

Sharp, aggressive grain with removal rate.

steel

Size mm	Grit mm	45 520...	
75 x 2000	80	008	
75 x 2000	120	010	
75 x 2500	80	080	
75 x 2500	120	100	
100 x 1000	80	180	
100 x 1000	120	200	
150 x 2000	80	380	
150 x 2000	120	400	



45 520...

46 400 Corundum grinding bars

for steel, particularly good shape retention, ground straight and smooth on all sides, can be used with water and oil



Dimensions mm	46 400... Grit 120	46 400... Grit 220		
Cross-section: square cross-section				
100 x 6 x 6	001	051		10
100 x 8 x 8	002	052		10
100 x 10 x 10	003	053		10
150 x 10 x 10	004	054		10
150 x 16 x 16	005	055		10
200 x 20 x 20	006	056		10
Cross-section: three-square				
100 x 6 x 6	101	151		10
100 x 8 x 8	102	152		10
100 x 10 x 10	103	153		10
150 x 10 x 10	104	154		10
150 x 16 x 16	105	155		10
200 x 20 x 20	106	156		10
Cross-section: flat				
100 x 8 x 4	201	251		10
100 x 10 x 5	202	252		10
150 x 10 x 5	203	253		10
150 x 16 x 8	204	254		10
150 x 20 x 10	205	255		10
200 x 20 x 10	206	256		10
Cross-section: half-round				
100 x 6 x 3	301	351		10
100 x 8 x 4	302	352		10
100 x 10 x 5	303	353		10
150 x 10 x 5	304	354		10
150 x 16 x 8	305	355		10
200 x 20 x 10	306	356		10
Cross-section: round				
100 x 6	401	451		10
100 x 8	402	452		10
100 x 10	403	453		10
150 x 10	404	454		10
150 x 16	405	455		10
200 x 20	406	456		10



46 404 Whetstones

quick rough-grinding and finished sharpening of flat blades is achieved by the different grains (grits) on the two sides



46 404...

Length x width mm	46 404...		Thickness mm	Grain
125 x 50	001		20	coarse / fine
150 x 50	002		25	coarse / fine
200 x 50	003		25	coarse / fine

46 410 Silicon carbide grinding bars

for cemented carbides and hardened steel, particularly quick acting, ground straight and smooth on all sides, can be used with water and oil



Dimensions mm	46 410... Grit 120	46 410... Grit 220	46 410... Grit 360		
Cross-section: square cross-section					
100 x 6 x 6	001	031	051		10
100 x 8 x 8	002	032	052		10
100 x 10 x 10	003	033	053		10
150 x 10 x 10	004	034	054		10
150 x 13 x 13	005	035	055		10
150 x 16 x 16	006	036	056		10
200 x 20 x 20	007	037	057		10
Cross-section: three-square					
100 x 6 x 6	101	131	151		10
100 x 8 x 8	102	132	152		10
100 x 10 x 10	103	133	153		10
150 x 10 x 10	104	134	154		10
150 x 13 x 13	105	135	155		10
150 x 16 x 16	106	136	156		10
200 x 20 x 20	107	137	157		10
Cross-section: flat					
100 x 6 x 3	201	231	251		10
100 x 8 x 4	202	232	252		10
100 x 10 x 5	203	233	253		10
150 x 10 x 5	204	234	254		10
150 x 13 x 8	205	235	255		10
150 x 16 x 8	206	236	256		10
150 x 20 x 10	207	237	257		10
200 x 20 x 10	208	238	258		10
250 x 30 x 15	209	239	259		10
Cross-section: half-round					
100 x 6 x 3	301	331	351		10
100 x 8 x 4	302	332	352		10
100 x 10 x 5	303	333	353		10
150 x 10 x 5	304	334	354		10
150 x 13 x 6	305	335	355		10
150 x 16 x 8	306	336	356		10
200 x 20 x 10	307	337	357		10
Cross-section: round					
100 x 6	401	431	451		10
100 x 8	402	432	452		10
100 x 10	403	433	453		10
150 x 10	404	434	454		10
150 x 13	405	435	455		10
150 x 16	406	436	456		10
200 x 20	407	437	457		10



46 432...

46 432 Silicon carbide whetstones

quick rough-grinding and finished sharpening of flat blades is achieved by the different grains (grits) on the two sides

Length x width mm	46 432...		Thickness mm	Grain
125 x 50	001		20	coarse / fine
150 x 50	002		25	coarse / fine
200 x 50	003		25	coarse / fine

46 434 Silicon carbide slipstones

for finishing curved blades of tools such as gouges, necking tools, etc.

Length x width mm	46 434...		Thickness mm	Grain/grit
115 x 45	010		10/3	coarse 100
115 x 45	018		10/3	medium 180
115 x 45	032		10/3	fine 320



46 434...

46 458 Hard Arkansas bench stones

in polished wooden box



46 458...

Length mm	46 458...		Width mm	Thickness mm
100	001		40	12
150	002		50	12

46 461 Hard Arkansas square files

Length mm	46 461...		Thickness mm
75-120	002		7- 8
75-120	003		9-10



46 461...

46 463 Hard Arkansas three-square files

Length mm	46 463...		Side width mm
75-120	002		7- 8
75-120	003		9-10



46 463...

46 465 Hard Arkansas round files

Length mm	46 465...		Ø mm
75-120	003		9-10



46 465 003

46 482 "Belgian Block" universal grinding stone

the tried and tested natural whetstone for carpentry tools, to be used with water, available in irregular shapes only, whereby the fluctuations range from square to rectangular



46 482 003

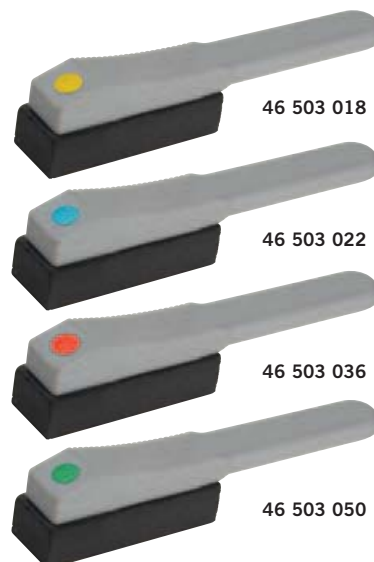
Size	46 482...		Weight approx. g	Grain
6	003		600	extra fine

46 503 Hand lapper

Hand lappers are used for lapping the faces of relief and rake angle surfaces, for bevelling cemented carbide, HSS and SS cutting edges after grinding and for re-lapping clamped planing tools, lathe tools, milling cutters, cutter heads, drill bits, reamers, punching tools, etc. in the machine and rounding off tips.

Size of lapping pad: 60 x 20 x 10 mm

Grain	46 503...		Colour	Purpose
180	018		yellow	for large cemented carbide tools
220	022		blue	for medium-sized cemented carbide tools
360	036		red	for small cemented carbide and natural steel tools
500	050		green	for very small cemented carbide and natural steel tools



46 503 018

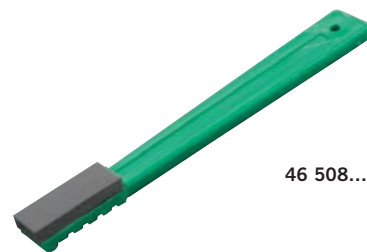
46 503 022

46 503 036

46 503 050

46 508 TETRABOR hand lapper

made of bonding agent free boron carbide stuck onto a handle, for maintenance of cemented carbide and HSS cutting tools, such as lathing and planing tools, milling cutters, cutter heads and other cutting tools, they are advantageously used to remove built-up cutting edges, to chamfer relief angles, bevel cutting edges, sharpen blades which have become slightly blunt



46 508...

Size	Total length mm	46 508...		Grit / hardness	Size of lapping pad: mm
M	150	012		220 / medium	35 x 14 x 5
F	150	014		400 / fine	35 x 14 x 5

46 512 Grinding wheel dressing stone (rubbing block)

rectangular, coarse-grained silicon carbide block, for dressing grinding wheels or coarse grinding steel, iron, granite, marble and artificial stone



46 512 001

Length mm	46 512...		Width mm	Thickness mm
200	001		50	25

46 516 Grinding wheel dressing rod ("diamond sparer")

with sleeve and varnished handle, the fill consists of a ceramic compound containing innumerable silicon carbide fragments, for dressing and re-profiling fine and medium-grained grinding wheels, tool grinding discs, saw sharpening discs, formed wheels, cutting discs, etc.



46 516 001

Total length mm	46 516...		Ø of the sleeve mm
400	001		20

46 521 TETRABOR grinding wheel dresser

these dressers are made of pure sintered boron carbide, only the extremely high hardnesses (approx. 35000 N/mm²) and wear resistance of boron carbide enable rational dressing of grinding wheels, can be used with and without holder

Holder: No. 46 522...



46 521 001

Length mm	46 521...		Width mm	Thickness mm
75	001		12	6

46 522 Hand holder

with wooden handle for grinding wheel dresser No. 46 521...



46 522 001

Total length mm	46 522...	
230	001	

46 541 VERITAS grinding wheel dresser

Grinding rollers made up of punched special discs with U-shaped profile teeth, special hardening gives the teeth the correct hardness and toughness, the rollers are easy to replace, axle with pressure lubrication nipple, with guard, handle made of high-grade wood

Size	46 541...		Roller Ø	Dressing width	Total length
			mm	mm	mm
0	001		35	12	285
1	002		55	24	435
2	003		55	50	435



46 541...

46 542 Replacement rollers

for grinding wheel dressers No. 46 541...

Size	46 542...		Roller Ø
			mm
0	001		35
1	002		55
2	003		55



46 542...

46 551 Grinding wheel dresser

with rotating silicon carbide dressing top, interchangeable, on ball bearings, for fast and clean dressing of grinding wheels

Size	46 551...		Top Ø	Dresser top seat	Length of holder	Holder Ø
			mm		mm	mm
00	001		35	M 6	100	30
0	002		45	M 10	230	30
1	003		55	tapered	230	30



46 551...

46 552 Replacement dresser tops

for grinding wheel dresser No. 46 551...

Size	46 552...		Top Ø
			mm
00	001		35
0	002		45
1	003		55



46 552...

46 561 Dressing diamond

due to their hardness, diamonds are an excellent tool for dressing and profiling grinding discs, the tried and tested setting method ensures reliable retention of the diamond

Weight Carat	46 561...		Morse taper
0.35	001		1
0.50	002		1
0.75	003		1
1	004		1
1.5	005		1
2.0	006		1



46 561...

46 562 Diamond grinding disc dresser

Dressing surface with electro-deposited diamond fragments D 220, ideally suited for dressing corundum grinding wheels, a practical hand-held dresser with metal handle

Grit	46 562...		Dressing area	Total length
			mm	mm
220	012		40 x 10	135



46 562 012

46 571 Diamond multi-grit dresser

Dressing surface with tried and tested multi-grit diamond insert, ideally suited for dressing corundum grinding wheels, a practical hand-held dresser with plastic handle

Grain	46 571...		Dressing surface Ø	Total length
			mm	mm
medium	004		6	210



46 571 004

“Welding and Cutting” catalogue

- ➔ Autogenous engineering
- ➔ Filler metals
- ➔ Arc welding
- ➔ Welding equipment
- ➔ Welding accessories:
- ➔ Extractor Technology

47 401 Wire handbrushes

Brush fill **cast steel wire**, beechwood stock curved with rounded handle edges, wire thickness 0.35 mm



Cast steel wire



47 401...

47 406 Wire handbrushes, stainless

Brush fill **stainless steel wire**, smooth, beechwood stock curved with rounded handle edges, wire thickness 0.3 mm

stainless steel wire



47 406...

47 412 Wire handbrushes, brass

Brush fill **brass wire**, crimped, beechwood stock curved with rounded handle edges, wire thickness 0.15 mm

Brass wire



47 412...

Number of rows of wire	47 401...		47 406...		47 412...		Fill length	Wire length	
			stainless steel		Brass		mm	mm	PU
2	002		002		002		145	25	12
3	003		003		003		145	25	12
4	004		004		004		145	25	12
5	005		005		005		145	25	12
6	006		-	-	-	-	145	25	12

47 414 Wire handbrushes, V4A

Brush fill **stainless steel wire**, smooth, V4A, 1.4571, beechwood stock curved with rounded handle edges, Wire thickness 0.30 mm



made of V4A



47 414...

Number of rows of wire	47 414...		Fill length	Wire length	
			mm	mm	PU
2	002		145	25	12
3	003		145	25	12
4	004		145	25	12

47 418 Universal handbrushes

Brush back made of strong steel rail with handy plastic handle, for all cleaning work, wire crimped



Steel



47 418 001

VA



47 418 003

Fill length	Fill	47 418...		Wire thickness	
mm					PU
140	Steel	001		0.3	12
140	VA 1.4301	003		0.3	12
140	Brass	005		0.3	12

Brass



47 418 005

47 421 Fillet weld brush

Brush fill **cast steel wire**, smooth, rows end in a point, beechwood stock curved, with rounded handle edges, wire thickness 0.35 mm



Cast steel wire



47 421 003

47 426 Fillet weld brush, stainless

Brush fill **steel wire**, stainless, smooth, beechwood stock curved with rounded handle edges, wire thickness 0.35 mm, wire length 35 mm

stainless steel wire



47 426 003

Number of rows of wire	47 421...		47 426...		Fill length	
			stainless steel		mm	PU
3	003		003		145	12



UNIT FOR PURCHASE OF ONE PACKAGING UNIT PER ORDER NUMBER, PLEASE ALWAYS STATE NUMBER OF ITEMS IN ORDER

ibemo Kazakhstan - 090501 Republic of Kazakhstan, West Kazakhstan Oblast, Aktau, Pramzone, BKKS office complex

Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

47 431 File card brushes

Brush fill **1a card tape**, wooden stock straight, with rounded handle edges



Fill length mm	47 431...		Fill width mm	
115	040		40	12
115	055		55	12



47 431...

47 436 Spark plug brush

Brush fill **brass wire** crimped, wire thickness 0.2 mm, blue plastic stock 180 x 15 mm



Number of rows of wire	47 436...		Fill length mm	Wire length mm	
3	003		33	16	24



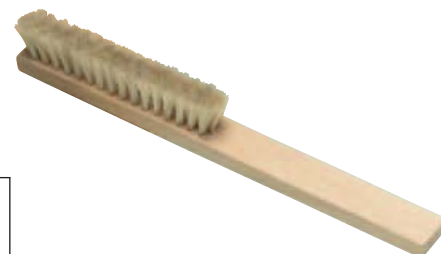
47 436 003

47 446 Fire scratcher (thread brush)

Brush fill **horsehair**, 1a straight beechwood stock, with rounded handle edges



Number of rows of bristles	47 446...		Fill length mm	Bristle length mm	
4	004		105	18	12



47 446 004

47 451 Flat wire wheel brushes

(Decarbonising brushes), brush fill **crimped special steel wire**, pressed into steel stock, for clamping into flexible shafts, drills or off-hand grinder, **with 6 mm shank**, particularly suitable for descaling and removing rust



Brush Ø mm	Brush width mm	Wire thickness mm	47 451...		max. speed min ⁻¹	
20	6	0.2	020		20,000	10
30	9	0.2	030		20,000	10
40	11	0.2	040		18,000	10
50	17	0.2	050		15,000	10
60	18	0.2	060		15,000	10
70	18	0.3	070		15,000	10
80	19	0.3	080		15,000	10



47 451...

47 456 Flat wire wheel brushes, stainless

Brush fill **stainless steel wire**, pressed into the steel stock, for clamping into flexible shafts, drills or off-hand grinders, **with 6 mm shank**, for machining V2A material



Brush Ø mm	Brush width mm	Wire thickness mm	47 456...		max. speed min ⁻¹	
30	9	0.2	030		20,000	10
40	11	0.2	040		18,000	10
50	17	0.2	050		15,000	10
60	18	0.2	060		15,000	10
70	18	0.3	070		15,000	10
80	19	0.3	080		15,000	10



47 456...

47 462 Flat wire wheel brushes, brass



Brush fill **crimped brass wire**, pressed into steel stock, for clamping into flexible shafts, drills or off-hand grinder, **with 6 mm shank**, for polishing and fine brushing

Brush Ø	Brush width	Wire thickness	47 462...		max. speed	
mm	mm	mm			rpm	PU
30	9	0.2	030		20,000	10
40	11	0.2	040		18,000	10
50	17	0.2	050		15,000	10
60	18	0.2	060		15,000	10
70	18	0.2	070		15,000	10



47 462...

47 467 Flat wire safety wheel brushes



Brush fill **brass-plated steel wire**, embedded in a special elastic plastic compound, it prevents the wires from breaking off and makes the brush more aggressive to use but also safer, **with 6 mm shank**, increased tool life, TÜV tested, ideal for removing rust, deburring, removing paint and varnish, etc.

Safer!

Brush Ø	Brush width	47 467...		max. speed
mm	mm			min ⁻¹
50	8	050		15,000
63	8	063		15,000
76	8	076		15,000



47 467...

A plastic compound prevents the wires from breaking off!

47 469 Wire cup brush

hardened steel wire 0.5 mm, twist knotted
with 6 mm shank



steel

Brushes	Total length	47 469...		max. speed
mm	mm			min ⁻¹
65	70	001		6000



47 469 001

47 471 Flat top wire (pencil) brushes



Brush fill **special steel wire, crimped**, pressed into steel stock, **with 6 mm shank**, for clamping into flexible shafts, drills or off-hand grinders, for removing rust, descaling and removing soot in otherwise inaccessible places

steel

Ø	Total length	Wire thickness	47 471...		max. speed	
mm	mm	mm			min ⁻¹	PU
10	60	0.3	010		20,000	12
17	70	0.3	017		18,000	12
25	70	0.3	025		18,000	12
30	70	0.3	030		15,000	12



47 471...

47 476 Flat top wire (pencil) brushes, stainless



Brush fill **stainless steel wire, crimped** acid-resistant, pressed into the steel stock, **with 6 mm shank**, for clamping into flexible shafts, drills or off-hand grinders, for machining V2A material

stainless steel

Ø	Total length	Wire thickness	47 476...		max. speed	
mm	mm	mm			min ⁻¹	PU
10	65	0.3	010		20,000	12
17	70	0.3	017		18,000	12
25	70	0.3	025		18,000	12
30	70	0.3	030		15,000	12



47 476...



UNIT FOR PURCHASE OF ONE PACKAGING UNIT PER ORDER NUMBER, PLEASE ALWAYS STATE NUMBER OF ITEMS IN ORDER

ibemo Kazakhstan - 090501 Republic of Kazakhstan, West Kazakhstan Oblast, Aktau, Primzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

47 487 Flat top safety wire (pencil) brushes

Brush fill **brass-plated steel wire**, embedded in a special elastic plastic compound, it prevents the wires from breaking off and makes the brush more aggressive to use but also safer, **with 6 mm shank**, increased tool life, ideal for removing rust, deburring, removing paint and varnish, etc.



Safer!



47 487...

A plastic compound prevents the wires from breaking off!

Ø	Total length	47 487...		max. speed
mm	mm			min ⁻¹
17	65	017		15,000
24	70	024		15,000
31	70	031		15,000

47 551 Flat circular steel wire brushes

Brush fill **Special steel wire**, crimped, 0.3 mm diameter, high fill density, high degree of trueness/concentricity, enormously wear-resistant, side discs can be drilled out for different bore sizes



steel



47 551 101 - ...121



47 551 152 - ...202

Brush Ø	Brush width	largest possible bore size	Standard bore size of the discs	47 551...		max. speed
mm	mm	mm	mm			min ⁻¹
100	13	20	13	101		8,000
125	15	20	13	121		6,000
150	30	31.75	13	152		6,000
178	32	31.75	13	172		6,000
200	30	31.75	13	202		4,500

47 556 Flat circular steel wire brushes, stainless

Brush fill **stainless steel wire**, crimped, acid-resistant, 0.3 mm diameter, particularly suitable for machining stainless material, such as V2A



stainless steel



47 556...

Brush Ø	Brush width	Largest bore size	Bore size of the discs	47 556...		max. speed
mm	mm	mm	mm			min ⁻¹
100	20	20	13	102		8,000
125	22	20	13	122		6,000
150	30	31.75	13	152		6,000
178	32	31.75	13	172		6,000
200	30	31.75	13	202		4,500

47 561 Flat twist knot wire wheel brushes

Brush fill made of oil-tempered steel wire, **for extreme use in deburring**, descaling, rust removal and cleaning welds at high speeds



steel

stainless steel

Type:

47 561 111-171: Brush fill **made of steel wire**

47 561 211-271: Brush fill **made of stainless steel wire**

Also suitable for large angle grinders!



47 561 111 - ...171



47 561 211 - ...271

Brush Ø	Wire thickness	Thread/Bore	47 561...		Type	max. speed
mm	mm	mm				min ⁻¹
115	0.5	22.2	111		straight	12,500
125	0.5	22.2	141		straight	12,500
178	0.5	22.2	171		straight	12,000
Stainless brush fill						
115	0.35	22.2	211		straight	12,500
125	0.5	22.2	241		straight	12,500
178	0.5	22.2	271		straight	12,000

47 554 Twist knot conical brushes

varied and versatile use for cleaning work, ideal for machining difficult to access places



steel

Green = stainless steel

Blue = steel

Brush Ø mm	47 554...		Brush fill	Wire mm	Thread mounting	Speed min ⁻¹
100	001		Steel wire	0.50/twist knot	M 14 x 2	12,500
100	003		Steel wire	0.30/cripmed	M 14 x 2	12,500
100	005		stainless steel wire	0.50/twist knot	M 14 x 2	12,500
100	007		stainless steel wire	0.30/cripmed	M 14 x 2	12,500



47 554 001 - ...003



47 554 005 - ...007

47 570 Twist knot cup brushes

Brush fill oil hardened, smooth **cast steel wires** with stable design, suitable for difficult work such as weld machining, for descaling, roughening, etc.



steel

Brush Ø mm	Wire thickness mm	Internal thread	47 570...		max. speed min ⁻¹
65	0.35	M 14	063		12,500
65	0.50	M 14	065		12,500



47 570...

47 571 Twist knot cup brushes

with safety support ring

Brush fill oil hardened, smooth **cast steel wires** with stable design, suitable for difficult work such as weld machining, for descaling, roughening, etc.,



steel

Brush Ø mm	Wire thickness mm	Bore size/Thread	47 571...		max. speed min ⁻¹
100	0.50	22.2 mm	105		8,500
100	0.80	22.2 mm	108		8,500
100	0.35	M 14	203		8,500
100	0.50	M 14	205		8,500
100	0.80	M 14	208		8,500



47 571...

47 575 Twist knot cup brush, stainless

Brush fill, naturally hard, smooth **stainless wires** with stable design, for machining V2A material



stainless
steel

Brush Ø mm	Wire thickness mm	Internal thread	47 575...		max. speed min ⁻¹
65	0.5	M 14	065		12,500



47 575 065

47 576 Twist knot cup brush, stainless

Brush fill, naturally hard, smooth **stainless wires** with stable design, for machining V2A material, with safety support ring for high speeds



stainless
steel

Brush Ø mm	Wire thickness mm	Internal thread	47 576...		max. speed min ⁻¹
100	0.5	M 14	101		8,500



47 576 101



47 581 Cup brushes

Brush fill naturally hard, crimped **SS steel wires**, for removing rust, descaling and cleaning moulded parts and castings, vessels and larger surfaces made of metal

Primat

steel



47 581...

Brush Ø mm	Wire thickness mm	Internal thread	47 581...		max. speed min ⁻¹
80	0.3	M 14	083		8,500
100	0.3	M 14	103		8,500

47 586 Spiral internal cleaning brushes

Brush fill made of steel wire, wire thickness 0.13 mm, with spiral shaped fixed wire, crimped and double wire core, for mechanical or manual use, **ideally suited for cleaning tapped holes, for brushing edges of elongated recesses (e.g. keyways)**, holders can be inserted either individually or screwed together up to a total length of 225 mm (including brush)



47 586...

Ø mm	47 586...		Fill length mm	Total length mm
6	006		25	89
8	008		25	89
10	010		25	89
11	011		25	89
13	013		25	89
14	014		25	89
16	016		25	89
18	018		25	89
19	019		25	89
21	021		25	89
22	022		25	89
24	024		25	89
25	025		25	89
29	029		25	89
32	032		25	89

47 587 Holders

for spiral internal cleaning brushes No. 47 586...



47 587 001



47 587 002

Type	47 587...		Ø mm	Length mm
One end external thread, one end tapered shank hole	001		5	90
One end internal thread, one end tapered shank hole	002		6	90

Microabrasive brushes and miniature tool brushes

Flexible, highly efficient brushing tools for deburring smallest holes!



www.osborn.de

OSBORN International GmbH · Ringstrasse 10 · 35099 Burgwald · Tel. +49 (64 51) 5 88-0 · Fax +49 (64 51) 5 88-206 · info@osborn.de

ISO 9001-2000 Certified Quality System

OSBORN
INTERNATIONAL

A BRANCH OF JASON GMBH

47 589 Pipe cleaning brushes, micro-abrasive

zincated rotating wore with single spiral fill and extremely small diameter, with flexible fill made of aluminium oxide; very flexible despite the small diameter ranges, therefore can be used for a wide range of diameters than conventional deburring tools, for deburring transverse holes, control parts, O-ring grooves and other cylindrical workpieces

Type: Nylon aluminium oxide fill, grain 600



47 589...

Ø mm	47 589...		Fill length mm	Total length mm	Shank Ø mm
4.2	342		25	125	2.2
4.8	348		25	125	2.2
5.5	355		25	125	2.2
6.6	366		25	125	2.6
8.2	382		25	125	3.0
9.8	398		25	125	3.5
11.5	415		25	125	3.5
13.0	430		25	125	4.3
16.0	460		25	125	4.3
25.8	558		25	125	6.2

20 278 Cleaning brush

cylindrical, made of nylon



20 278 ...

Size Ø mm	20 278...	
6	006	
8	008	
10	010	
12	012	
16	016	
20	020	
25	025	

47 802 Round (pencil) brush

Industrial grade, light-coloured bristles



47 802...

Size	47 802...		Ø mm	Bristle length mm	
2	001		20	51	12
4	002		25	54	12
6	003		30	57	12
8	004		35	60	12
10	005		40	63	12
12	006		45	65	12
14	007		50	70	12
16	008		55	75	12

47 803 Painters' round (pencil) brush

extra long, black Chinese bristle, double thread tape over front end of ferrule



47 803...

Size	47 803...		Ø mm	
4	002		25	12
6	003		30	12
8	004		35	12
10	005		40	12

47 805 Flat brush

simply strong, made of guaranteed pure bristles



47 805...

Width mm	47 805...		Bristle length mm	
25	001		40	12
38	002		45	12
50	003		50	12
63	004		55	12
75	005		60	12

47 808 Radiator brush

with light-coloured bristles, curved form, in wide metal ferrules



47 808...

Width mm	47 808...		Bristle length mm	
25	001		44	12
38	002		49	12
50	003		55	12
63	004		59	12
75	005		63	12

47 823 Lubricating brush

Natural bristle fill material, for petrol and oil, screwed into stable, zinc-plated iron wire



47 823...

Head Ø mm	47 823...		Bristle length mm	Total length mm	
7	001		40	150	12
10	002		55	240	12

47 833 Soldering fluid brush

Pure bristle fill material, held in tin plate ferrule and handle, for industry and trade



47 833...

Brush width mm	47 833...		Bristle length mm	Total length mm	
10	001		23	123	12
15	002		25	130	12
20	004		30	175	12

47 835 Line painting brush

Fill material made of pure, light-coloured Chinese bristles



47 835...

Width mm	47 835...		Total length mm	
8	108		300	12
10	110		310	12
12	112		310	12
16	116		320	12
20	120		340	12

47 836 Brush set

6-piece

Set consisting of:

- Flat brushes 20 mm, 25 mm, 35 mm,
- Round (pencil) brushes size 2, size 4
- Enamel/varnish brush



47 836 001

47 836...	
001	

47 837 Wide paint / wall brush

Fill material made of pure, light-coloured bristles



47 837...

Size mm	47 837...	
30 x 70	001	
30 x 100	003	

47 838 Ceiling brush

Wooden stock, fill: synthetic bristles, light-coloured outer bristles, dark inner bristles

Size	47 838...	
30 x 70	001	



47 838...

47 839 Paint roller

with frame, roller sleeve, simple type

Width mm	47 839...	
230	001	



47 839 001

47 840 Small roller

Type	47 840...		Width cm	
Complete with "Moltropen" (plastic foam) roller 20 cm	001		5.5	1
Replacement Moltropen roller 5 cm	003		5.5	1
Replacement frame 19 cm	005		5.5	1



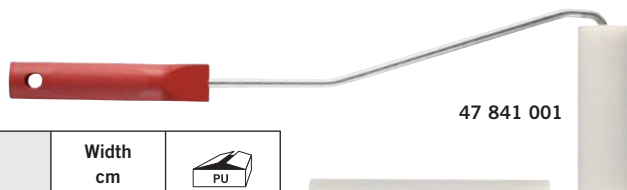
47 840 001



47 840 003

47 841 Radiator paint roller

Type	47 841...		Width cm	
Complete with "Moltropen" (plastic foam) roller	001		10	10
Replacement Moltropen roller	003		10	200
Replacement Perlon roller	005		10	200
Replacement frame 28 cm long	007		10	100
Replacement frame 40 cm long	009		10	100



47 841 001



47 841 005

47 842 Plastic sheeting/dust sheet

Size m	Thickness mm	47 842...		
4 x 5	0.005	001		10
4 x 5	0.007	005		10



47 842...

47 851 Workbench handbrush

Wooden stock straight with rounded handle edges, approx. 315 x 35 mm, hang hole, bristle length approx. 60 mm

Fill	47 851...		Bristle length mm	
Coconut	003		60	10
Horsehair	005		60	10
Steel wire	008		60	-



47 851 003



47 851 005



47 851 008

47 853 Handbrush with long handle

approx. 45 cm wooden stock, bristle length approx. 75 mm

Fill	47 853...		
Coconut	001		10
Horsehair	003		10
Elaston	005		-



47 853 001



47 853 003



47 853 005



47 861 Broom headFill material **coconut**, dense type fill, with wooden stock

Width mm	47 861...		
400	040		10
500	050		10
600	060		10



47 861...

47 866 Industrial/commercial broomFill material **Elaston** with high elasticity (length 80 mm), flat wooden shape with two stud bolts mounted for fixing the handle bracket
Prod. No.: **47 869 001**

Size of wood mm	47 866...		
400 x 60	040		10
500 x 60	050		10
600 x 60	060		10



47 866...

47 869 Steel broom handle bracketsuitable for industrial/commercial broom **No. 47 866...**,
for handle size 28 mm diameter

47 869...		
001		10



47 869 001

47 871 Broom headFill material **horsehair**, dense type fill, with wooden stock

Width mm	47 871...	
350	035	



47 871 035

47 872 Outdoor broom with wooden stock

Fill	Width cm	47 872...	
Elaston	40	004	
Elaston	50	005	
Elaston	60	006	
Piassava	40	104	
Piassava	50	105	



47 872 004 - ...006



47 872 104 - ...105

47 879 Broom handle

made of sanded wood, suitable for the listed brooms

Handle Ø mm	47 879...		Length mm
24	025		1400
24	026		1600
28	028		1400



47 879...

47 880 Dustpan

Metal, with wooden handle, pan width 230 mm

Type	47 880...		
black enamel coating	150		10
zincd	155		10



47 880 155

47 880 150



47 881 Dustpan and brush set

Plastic, handbrush + dustpan with rubber lip

Type	47 881...		
Plastic	001		10



47 881 001

47 910 Nailbrush

Plastic, double-sided bristle fill

Fill	47 910...		
Nylon	001		10



47 910 001

47 912 Scrubbing brush

Wooden stock pointed at one end and round at the other end, bristles

Fill	47 912...		
Mypren fibre	001		10



47 912 001

47 914 Corner cleaning brush

Long handle (49 cm)

Fill	47 914...		
Union	001		10



47 914 001

47 916 Scrubbing brush

with tuft, wooden stock

Fill	47 916...		
Mypren fibre	001		10



47 916 001

47 918 Rubber window wiper

stable metal stock

Width cm	47 918...		
45	001		10



47 918 001

47 920 Universal sponge

Size mm	47 920...		
180 x 120 x 60	001		10



47 920 001

47 922 Mopping cloth

"Eisenstark" extremely absorbent

Size cm	47 922...		
60 x 70	001		10



47 922 001



PU = UNIT FOR PURCHASE OF ONE PACKAGING UNIT PER ORDER NUMBER, PLEASE ALWAYS STATE NUMBER OF ITEMS IN ORDER
"TOOLS"

ibemo Kazakhstan - 090501 Republic of Kazakhstan, West Kazakhstan Oblast, Aktau, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

47 928 Machine polishing cloth

coarse woven

Size cm	47 928...		
40 x 40	001		10



47 928 001

47 930 Nitro microfibre cloth

for cleaning finished parts made of Niro, copper, brass, for removing grease and oil, work with water only, do not use cleaning agents

Cleans with water -
no cleaning agent needed!

Size cm	47 930...		
32 x 32	001		10



47 930 001

47 936 Non-woven cloths

in bales

Weight kg	Colour	47 936...	
10	grey	001	
10	white	005	



47 936...

47 940 Dust cloths

light and coloured in sack

Weight kg	47 940...	
10	001	



47 940 001