WÜRTH

MACHINING CATALOGUE



TABLE OF CONTENTS

Bonded Cutting Discs - Firecut	3
Bonded Cutting Discs - Premium Cut	4
Diamond Cutting Discs & Diamond Cup Wheel	5
HSS Drill Bits - Redstripe	6 - 7
HSS Drill Bits Set - 4341	8
HSS Drill Bits - RN 118°	9
HSS Drill Bits Set - Zebra	10
HSS Drill Bits - HSCO	11
SDS Plus Drill Bits	12
Flap Discs - Aluminium Oxide	13
Flap Discs - Zirconium	14
Polishing System - Support Plate	15
Sanding Discs	16

FIRE CUT cutting disc for stainless steel

The Fire Cut cutting disc was developed to cut stainless steel and iron, with excellent results on sheeting, profiles and solid materials. Works with all types of portable grinding machines as long as the recommended outside edge speed is followed. Disc made with abrasives, resins and high-quality fibreglass mesh.



Diameter x thickness	115 x 1 mm
Bore hole	22.23 mm

Art. no. 0669 115 302
P. Qty./unit 25

Application

Primarily for use with stainless steel, although can be used on carbon steel, alloy steel, galvanised parts and non-ferrous metal. For cutting plumbing pipes, air ducts, U-shaped plasterboard profiles, sheet metal, solid pipes, wire rope and more. Suitable for portable grinding machines.

Fire Cut steel cutting disc

The Fire Cut steel cutting disc was developed to ensure an optimum cost/benefit ratio when cutting various materials such as carbon steel and iron.



Diameter x thickness	115 x 1 mm
Bore hole	22.23 mm

Art. no. 0669 115 311
P. Qty./unit 25

Application

Suitable for cutting carbon steel, such as sheet metal, iron beams, steel, piping, air ducts, gutters, solid pipes, wire rope, profiles and steel frames.

Premium Cut cutting disc

The Premium Cut cutting disc is a product developed for cutting stainless steel, ferrous and non-ferrous metals.

- Produced with aluminium oxide and zirconium abrasive grains.
- The disc composition features two layers of fibreglass mesh, meaning it can be used in a wide variety of applications with complete safety.
- High cutting speed with low heat generation.
- Optimal cutting precision.
- Minimal burr formation.
- Free from chlorine, iron and sulphur, which is critical for preventing contamination of stainless steel (corrosion).
- All discs are manufactured in accordance with the strictest quality standards.



Diameter x thickness	115 x 1 mm
Bore hole	22.23 mm
Max. rotation speed	13300 rpm
Material to be processed	Stainless steel, Ferrous metal, Non-ferrous metal

Art. no. 0664 115 322

P. Qty./unit 25

Application

Ideal for cutting various materials such as stainless steel, carbon steel, ferrous and non-ferrous metals.
Recommended use: Cutting sheet metal, iron beams, steel, piping, air ducts, gutters, solid pipes, wire ropes and steel frames.
All types of maintenance, production and construction work in metal.

Diamond cutting disc, others



Diameter (Ø)	Bore hole	Reducing-ring internal diameter	Segment height	Max. circumferential speed	Art. no.	P. Qty. / unit
115 mm	22.23 mm	20 mm	10 mm	80 m/s	**0668 115 121**	1
115 mm	22.23 mm	20 mm	10 mm	80 m/s	**0668 115 122**	1
115 mm	22.23 mm	20 mm	10 mm	80 m/s	**0668 115 123**	1
180 mm				8500 m/min	**0668 180 122**	1
230 mm				6600 m/min	**0668 230 122**	1

PRO HD diamond cutting discs

PRO HD diamond cutting discs have an excellent durability, speed and cutting power ratio, resulting in above-average performance. They are made with a high-quality steel core and castellated segment blades made of light balanced metal and impregnated with high-quality diamonds that give the disc a long service life.



Diameter (Ø)	Max. rotation speed	Art. no.	P. Qty. / unit
180 mm	8500 rpm	**0668 128 180**	1
230 mm	6600 rpm	**0668 128 230**	1

Application

Ideal for: granite, concrete, masonry
Can be used for: slate, limestone, general stone, solid brick
Used in portable electric and pneumatic machines for cutting natural ornamental stone.
For use in multi-edge stationary machines (180 and 230 mm).

Cup wheel, diamond, others

Diameter (Ø)	115 mm

Art. no. 0668 126 116
P. Qty./unit 1



WÜRTH

Twist drill bit HSS DIN 338 TYPE RN

RED STRIPE

The affordable assembly drill for general, broad applications in steel up to 700 N/mm² strength.

Suitable for machine type	Drill, Cordless screwdrivers, Pedestal drilling machine
Material to be processed	Steel
Standard/drilling depth	DIN 338/5xD
Shank style	Cylindrical
Surface	Plain
Cutting material	HSS
Type	RN
Angle of the tip	118 Degree
Service life	●●○○
Drilling speed (point system)	●●○○
Bore hole quality (point system)	●●○○
Versatility	●●○○
Drilling behaviour (point system)	●●○○
Self-centring	Yes
Suitable for tensile strength up to	700 N/mm²
Color Coding System	Steel



Diameter (Ø)	Length (l1)	Chip flute length (l2)	Shank diameter	Art. no.	P. Qty. / unit
2 mm	49 mm	24 mm	2 mm	**0617 200 200**	10
2.5 mm	57 mm	30 mm	2.5 mm	**0617 200 250**	10
3 mm	61 mm	33 mm	3 mm	**0617 200 300**	10
3.2 mm	65 mm	36 mm	3.2 mm	**0617 200 320**	10
3.5 mm	70 mm	39 mm	3.5 mm	**0617 200 350**	10
4 mm	75 mm	43 mm	4 mm	**0617 200 400**	10
4.2 mm	75 mm	43 mm	4.2 mm	**0617 200 420**	10
4.5 mm	80 mm	47 mm	4.5 mm	**0617 200 450**	10
4.8 mm	86 mm	52 mm	4.8 mm	**0617 200 480**	10
5 mm	86 mm	52 mm	5 mm	**0617 200 500**	10
5.5 mm	93 mm	57 mm	5.5 mm	**0617 200 550**	10
6 mm	93 mm	57 mm	6 mm	**0617 200 600**	10
6.5 mm	101 mm	63 mm	6.5 mm	**0617 200 650**	10
7 mm	109 mm	69 mm	7 mm	**0617 200 700**	10
8 mm	117 mm	75 mm	8 mm	**0617 200 800**	10
8.5 mm	117 mm	75 mm	8.5 mm	**0617 200 850**	5
9 mm	125 mm	81 mm	9 mm	**0617 200 900**	5
10 mm	133 mm	87 mm	10 mm	**0617 201 000**	5
12 mm	151 mm	101 mm	12 mm	**0617 201 200**	1

Quadropack and skin card



Twist drill bit assortment DIN 338 HSS

RED STRIPE

19-piece in system box, assembly drill for quick working in steel, tip angle 118°.



Quick drilling

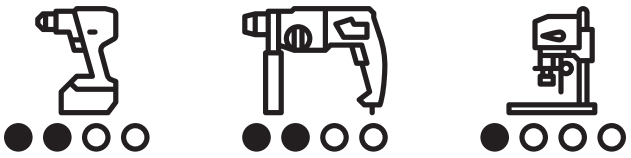
- Web thinning ensure less friction during drilling and therefore less feed force needed.
- The optimized point grinding with short designed working length enable quick drilling by using cordless and wired drill at construction site and in assembly
-

Self-centering

The crosswise grinding ensures an excellent centering effect even on domed surfaces, eliminating the need for center-punching or piloting

Art. no. 0617 200 001

P. Qty./unit 1



Application

Steel

Twist drill bit HSS DIN 338 TYPE RN

Assembly drill for general, broad applications in steel up to 850 N/ mm² strength and cast iron.

Material to be processed	Steel
Standard/drilling depth	DIN 338/5xD
Shank style	Cylindrical
Surface	Plain
Cutting material	HSS
Service life	●●●○
Drilling speed (point system)	●●○○
Bore hole quality (point system)	●●○○
Versatility	●●○○
Drilling behaviour (point system)	●●○○
Self-centring	Yes



Diameter (Ø)	Length (l1)	Chip flute length (l2)	Art. no.	P. Qty. / unit
2 mm	49 mm	24 mm	**0617 000 200**	10
2.5 mm	57 mm	30 mm	**0617 000 250**	10
3 mm	61 mm	33 mm	**0617 000 300**	10
3.5 mm	70 mm	39 mm	**0617 000 350**	10
4.5 mm	80 mm	47 mm	**0617 000 450**	10
5 mm	86 mm	52 mm	**0617 000 500**	10
5.5 mm	93 mm	57 mm	**0617 000 550**	10
6 mm	93 mm	57 mm	**0617 000 600**	10
6.5 mm	101 mm	63 mm	**0617 000 650**	10
7 mm	109 mm	69 mm	**0617 000 700**	10
8 mm	117 mm	75 mm	**0617 000 800**	10
8.5 mm	117 mm	75 mm	**0617 000 850**	5
9 mm	125 mm	81 mm	**0617 000 900**	5
10 mm	133 mm	87 mm	**0617 001 000**	5
11 mm	142 mm	94 mm	**0617 001 100**	5



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Twist drill bit HSS DIN 338 type RN 118°

FINALIST
German Sustainability Award Design 2022

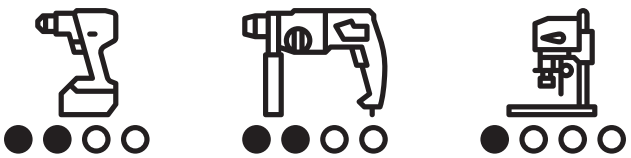
The affordable, robust assembly drill bit for applications in steel with strength up to 1,000 N/mm².

- Excellent break resistance due to chipless manufacturing process
- Ideal for construction site and assembly applications that do not require high precision
- Excellent adhesive capability of coolant lubricants and reduced tendency for material to build up thanks to vaporised surface



Suitable for machine type	Drill, Cordless screwdrivers
Material to be processed	Steel
Quality	Würth-Standard
Standard/drilling depth	DIN 338/5xD
Shank style	Cylindrical
Surface	Vaporised
Cutting material	HSS
Type	RN
Angle of the tip	118 Degree
Service life	●●○○
Drilling speed (point system)	●○○○
Bore hole quality (point system)	●○○○
Versatility	●○○○
Drilling behaviour (point system)	●●○○
Self-centring	No
Suitable for tensile strength up to	1000 N/mm²
Color Coding System	Steel

Diameter (Ø)	Length (l1)	Chip flute length (l2)	Shank diameter	Art. no.	P. Qty. / unit
2 mm	49 mm	24 mm	2 mm	**0625 20**	10
2.5 mm	57 mm	30 mm	2.5 mm	**0625 25**	10
3 mm	61 mm	33 mm	3 mm	**0625 30**	10
3.5 mm	70 mm	39 mm	3.5 mm	**0625 35**	10
4 mm	75 mm	43 mm	4 mm	**0625 40**	10
4.5 mm	80 mm	47 mm	4.5 mm	**0625 45**	10
5 mm	86 mm	52 mm	5 mm	**0625 50**	10
5.5 mm	93 mm	57 mm	5.5 mm	**0625 55**	10
6 mm	93 mm	57 mm	6 mm	**0625 60**	10
6.5 mm	101 mm	63 mm	6.5 mm	**0625 65**	10
7 mm	109 mm	75 mm	7 mm	**0625 70**	10
8 mm	117 mm	75 mm	8 mm	**0625 80**	10
9 mm	125 mm	81 mm	9 mm	**0625 90**	5
10 mm	133 mm	87 mm	10 mm	**0625 100**	5
12 mm	151 mm	101 mm	12 mm	**0625 120**	1

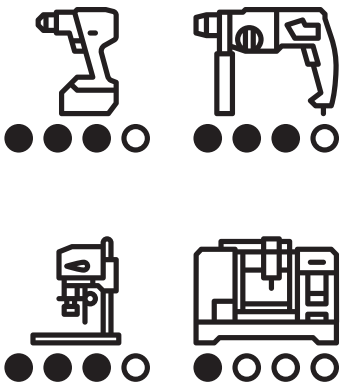


Twist drill bit HSS DIN 338 type RN 130°

Precision steel drill bit for general, broad applications in steel up to 1,000 N/mm² and in cast iron.

- Optimised split point design for 20 % lower infeed force as well as quicker progress and a more gentle way of working
- Optimised split point design for precise drilling without centring, even on curved surfaces
- Very precise point thinning for precise drill holes
- Vaporised surface for excellent adhesive properties of cooling lubricants and a reduced tendency towards the build-up of material deposits





Suitable for machine type	Drill, Cordless screwdrivers, Pedestal drilling machine
Material to be processed	Steel, Cast iron
Quality	ZEBRA-Premium
Standard/drilling depth	DIN 338/5xD
Shank style	Cylindrical
Surface	Vaporised
Cutting material	HSS
Type	RN
Angle of the tip	130 Degree
Service life	●●●○
Drilling speed (point system)	●●●○
Bore hole quality (point system)	●●●○
Versatility	●●○○
Drilling behaviour (point system)	●●●○
Self-centring	Yes
Suitable for tensile strength up to	1000 N/mm²
Color Coding System	Steel

Diameter (Ø)	Length (l1)	Chip flute length (l2)	Shank diameter	Art. no.	P. Qty. / unit
1 mm	34 mm	12 mm	1 mm	**0624 000 100**	10
2 mm	49 mm	24 mm	2 mm	**0624 000 200**	10
2.5 mm	57 mm	30 mm	2.5 mm	**0624 000 250**	10
3 mm	61 mm	33 mm	3 mm	**0624 000 300**	10
3.5 mm	70 mm	39 mm	3.5 mm	**0624 000 350**	10
4 mm	75 mm	43 mm	4 mm	**0624 000 400**	10
4.2 mm	75 mm	43 mm	4.2 mm	**0624 000 420**	10
4.5 mm	80 mm	47 mm	4.5 mm	**0624 000 450**	10
5 mm	86 mm	52 mm	5 mm	**0624 000 500**	10
5.5 mm	93 mm	57 mm	5.5 mm	**0624 000 550**	10
6 mm	93 mm	57 mm	6 mm	**0624 000 600**	10
6.5 mm	101 mm	63 mm	6.5 mm	**0624 000 650**	10
7 mm	109 mm	69 mm	7 mm	**0624 000 700**	10
7.5 mm	109 mm	69 mm	7.5 mm	**0624 000 750**	10
8 mm	117 mm	75 mm	8 mm	**0624 000 800**	10
8.5 mm	117 mm	75 mm	8.5 mm	**0624 000 850**	5
9 mm	125 mm	81 mm	9 mm	**0624 000 900**	5
10 mm	133 mm	87 mm	10 mm	**0624 001 000**	5
10.5 mm	133 mm	87 mm	10.5 mm	**0624 001 050**	1
11 mm	142 mm	94 mm	11 mm	**0624 001 100**	1
12 mm	151 mm	101 mm	12 mm	**0624 001 200**	1
14 mm	160 mm	108 mm	12.7 mm	**0624 001 400**	1

Twist Drill bit HSCO DIN 338 TYPE RN

RED STRIPE

The affordable, robust assembly drill for quick working in stainless steel and heat-resistant steels, general, broad applications in steel up to 1,000 N/mm² strength and cast iron.

Suitable for machine type	Drill, Cordless screwdrivers, Pedestal drilling machine
Material to be processed	Stainless steel, Steel, Cast iron
Standard/drilling depth	DIN 338/5xD
Shank style	Cylindrical
Surface	Vaporised
Cutting material	HSCo
Type	RN
Angle of the tip	130 Degree
Service life	●●●○
Drilling speed (point system)	●●○○
Bore hole quality (point system)	●●○○
Versatility	●●●○
Drilling behaviour (point system)	●●●○
Self-centring	Yes
Suitable for tensile strength up to	1000 N/mm²
Color Coding System	Stainless Steel Steel



Diameter (Ø)	Length (l1)	Chip flute length (l2)	Shank diameter	Art. no.	P. Qty. / unit
3 mm	61 mm	33 mm	3 mm	**0617 400 300**	10
3.5 mm	70 mm	39 mm	3.5 mm	**0617 400 350**	10
4 mm	75 mm	43 mm	4 mm	**0617 400 400**	10
4.5 mm	80 mm	47 mm	4.5 mm	**0617 400 450**	10
5 mm	86 mm	52 mm	5 mm	**0617 400 500**	10
6 mm	93 mm	57 mm	6 mm	**0617 400 600**	10
7.5 mm	109 mm	69 mm	7.5 mm	**0617 400 750**	10
8 mm	117 mm	75 mm	8 mm	**0617 400 800**	10
10 mm	133 mm	87 mm	10 mm	**0617 401 000**	5
12 mm	151 mm	101 mm	12 mm	**0617 401 200**	1/5
13 mm	151 mm	101 mm	12.7 mm	**0617 401 300**	1
14 mm	160 mm	108 mm	12.7 mm	**0617 401 400**	1
16 mm	178 mm	120 mm	12.7 mm	**0617 401 600**	1



Application

Steel & Stainless steel

4-CUTTER PLUS HAMMER DRILL BITS

Unique head design in combination with large and short dust removal channels provide fast dust removal and high drilling speed.

Number of cutting edges	4 PCS
Number of spirals	4 PCS
Tool holding device	Suitable for SDS-plus



Diameter (Ø)	Length	Working length	Art. no.	P. Qty. / unit
6 mm	110 mm	50 mm	**0648 796 011**	1
6 mm	160 mm	100 mm	**0648 796 016**	1
8 mm	110 mm	50 mm	**0648 798 011**	1
8 mm	160 mm	100 mm	**0648 798 016**	1
8 mm	210 mm	150 mm	**0648 798 021**	1
10 mm	110 mm	50 mm	**0648 791 011**	1
10 mm	160 mm	100 mm	**0648 791 016**	1
10 mm	210 mm	150 mm	**0648 791 021**	1
12 mm	110 mm	50 mm	**0648 791 211**	1
12 mm	160 mm	100 mm	**0648 791 216**	1
12 mm	210 mm	150 mm	**0648 791 221**	1
18 mm	260 mm	200 mm	**0648 791 826**	1

Application

• Masonry:
Through-whole in reinforced concrete and bricks, being highly suitable for utilization of mechanical anchors due its supreme hole quality (concentric).

• Plumbing:
For general fixing of Water, Gas, Air Conditioning pipes on concrete walls and ceilings.

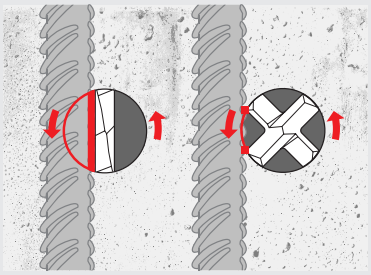
• Electrical Installation:
Electrical boards and electric conduit settling

• Doors/Windows:
Wood and aluminum frames positioning

• Carpentry:
On the wall fixture of furniture by using of plastic dowels and bolts

• Metalworking:
Suitable for the after-production process of drilling holes for the installation of steel / stainless steel handrails, staircases and so on

Application



Double cutter:
2 cutting edges form a 180° offset which offers a widearea for catching on reinforcements

Quadruple cutter:
4 cutting edges form an offset of only 90°, which offers a significantly smaller surface for catching. The drill bit is not stopped by the reinforcement.

Lamella flap disc steel synthetic corundum

Especially suitable for machining alloyed and unalloyed steel.



- For freehand grinding with electric or pneumatic angle grinders
- Circumferential speed max. 80 m/s
- Cotton fabric
- Glass fabric backing disc
- Abrasive cloth (synthetic corundum)
  - Long service life
  - High rate of material removal

Diameter (Ø)	115 mm
Bore hole	22.23 mm
Design	Bended
Max. rotation speed	13300 rpm
Material of abrasive medium	Aluminium oxide

Grid size	Art. no.	P. Qty. / unit
60	**0579 400 060**	5
80	**0579 400 080**	5
120	**0579 400 120**	5

Application

Used to grind edges and surfaces, dressing and smoothing, deburring and for weld seam processing. For removing lacquers and paints, and for sharpening tools.

- Alloyed and unalloyed steel, structural steel, tool steel, soft non-ferrous metals, brass and bronze

General structural steels, high-strength structural steels, constructional steels, tool steels, hardened steels

Proof of performance

Complies with the most demanding safety requirements of European Standard EN 13743 and the OSA (Organization for Safety of Grinding Tools)

Lamella flap disc 100 % zirconium

Material of abrasive medium	Pure zircon



The robust flap disc with high performance values. Used to grind edges and surfaces, dressing and smoothing, deburring and for weld seam processing.

- Optimum grinding capacity with long service life
- High break resistance
- Meets the maximum safety requirements in accordance with the EN13743 European standard
- Calcined alumina abrasive cloth
- Glass fabric backing dis

Grid size	Art. no.	P. Qty. / unit
60	**0579 581 002**	5
80	**0579 581 003**	5
120	**0579 581 004**	5

Application

Used to grind edges and surfaces, dressing and smoothing, deburring and for weld seam processing.

Hook-and-loop backing pad for EPM 160-E

Damped special hook-and-loop disc for polishing.



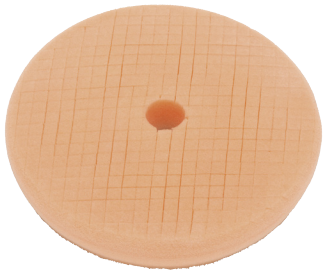
Art. no.	P. Qty. / unit
0586 501 125	1
0586 501 150	1



Polishing pads

Polishing pads in different abrasive grades

- Maximum effectiveness with minimum wear
- Open-cell foam for a consistent removal rate
- More flexibility with each bodywork shape

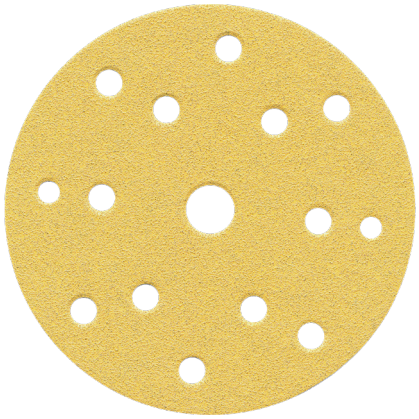


Colour	Art. no.	P. Qty. / unit
Blue	**0585 037 150**	1
Blue	**0585 037 170**	1
Green	**0585 035 150**	1
Green	**0585 035 170**	1
Orange	**0585 036 150**	1
Orange	**0585 036 170**	1

Application

Soft polishing pad (orange) for a perfect finish, for sealing or for easy removal of streaks and holograms. Medium-hard polishing pad (blue) for efficient paint preparation and partial removal of fine sanding grooves. Extra-hard polishing pad (green) for maximum removal rate with minimal heat transfer

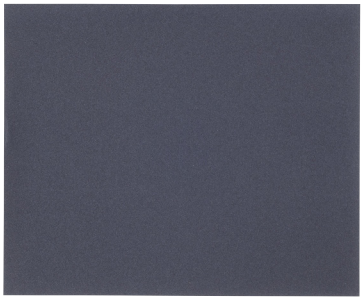
Sanding disc hook and loop 7 hole



Material of abrasive medium	Calcined aluminium oxide

Art. no.	P. Qty. /unit
0577 373 040	100
0577 373 060	100
0577 373 080	100
0577 373 100	100
0577 373 120	100
0577 373 150	100
0577 373 180	100
0577 373 220	100
0577 373 240	100
0577 373 320	100
0577 373 400	100
0577 373 600	100
0577 373 800	100

Sandpaper, waterproof



Silicon carbide

- Can be used without soaking, extremely flexible grain carrier
- Sharply contoured working
- Outstanding finish
- Excellent contact with the material and optimum grip
- First-rate initial and long-term grinding performance with a long service life
- Dense scattering

Length x width	280 x 230 mm
Adhesive base	Silicone

Art. no.	P. Qty. /unit
0584 740 060	50
0584 740 080	50
0584 740 100	50
0584 740 120	50
0584 740 150	50
0584 740 180	50
0584 740 220	50
0584 740 320	50
0584 740 400	50
0584 741 100	50
0584 741 150	50
0584 742 000	50

Application

Sanding synthetic resin, nitro and thermoplastic acrylic lacquer structures.
Sanding conventional fillers (P400–P800).
Touching up flaws in the cover coat (P1000–P2000), in case of dust inclusions or dirt particles (P2000).



WÜRTH

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