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GLOSSARY OF ABRASIVE TERMS

Abrasive A substance used for abrading - grinding - polishing - lapping, such as the natural materials Emery, Garnet, Flint, and Crocus, and the manufactured or electric furnace materials Aluminum Oxide, Silicon Carbide, Zirconia Alumina and Ceramics. One of the three basic components of a coated abrasive product (backing, bond, abrasive grain).

Aluminum Oxide An abrasive made by fusing the mineral bauxite (Al_2O_3).

Arbour The spindle of the grinding machine on which the contact wheel or idler pulley is mounted.

Arbour Hole The hole in the contact wheel or idler pulley sized to fit the machine arbor.

Backing A flexible or semi-rigid material to which abrasive grain is bonded by an adhesive. Paper, cloth, fibre and combination are the major backings used for coated abrasives.

Backing (Back-up) Pad Usually a rubber or composition type material to which an abrasive disc is attached. The backing pad supports the disc during the grinding operation and is normally the same diameter or slightly smaller than the disc.

Blending Using abrasives to develop a consistent finish over an entire work piece, as on a welded area.

Buffing The smoothing and brightening of a surface utilizing an abrasive compound applied to a fabric type wheel or belt.

Burning the Work A change in the characteristics of the work piece being ground. Detected by surface discolouration or a distinct "burning" odour.

Burnishing Refining a surface using fine grit coated abrasives to create a special effect with minimum stock removal.

Burrs A thin, ragged fin, left on the edge of a piece of metal by a cutting tool (including coated abrasives).

Bushing A metal or plastic insert used to alter the size of a center hole (primarily in rolls or flap wheels) to accommodate a smaller mandrel or arbour.

Cartridge Roll A strip of coated abrasive wound in multiple wraps around a center hole and glued. Mounted on a mandrel and used on a high speed portable tool for intricate polishing.

Chatter An undesirable, repetitive pattern created on the surface of a workpiece, usually at regularly-spaced intervals, due to an out-of-round or out-of-balance condition in the abrasive machine.

Chips Pieces of material removed by an individual abrasive grain during the abrasive grinding operation.

Closed Coat A coated abrasive product completely covered by abrasive grain on the coat side.

Concave (Curl) A coated abrasive product with a curved (curled) configuration in which the abrasive grain is in the inside curve (grain side concave).

Convex (Curl) A coated abrasive product with a curved (curled) configuration in which the abrasive grain is on the outside curve (grain side convex).

Cutting Rate The amount of material removed by a coated abrasive from the workpiece, per unit of time.

Deburring Act of removing burrs from metal.

Dressing Restoring the working face of a contact wheel or platen to its original configuration.

Dry Grinding Refers to any coated abrasive grinding operation that does not employ a coolant or lubricant in the grinding process.

Dulling The wearing away of the cutting edges of abrasive grains through use. It occurs to some degree during any abrasive operation and will finally result in inefficient cutting or abrading, at which time the coated abrasive should be discarded or shifted to lighter work, regardless of their appearance.

Feed Lines Undesirable pattern on the work produced by grinding. Most commonly found as a spiral pattern on centerless, cylindrical and roll grinding. Usually caused by incorrect grinding procedure or alignment.

Ferrous Any metal alloy containing iron, usually in major amount.

Fibre (Backing) A very hard, strong, coated abrasive backing material consisting of multiple plies of impregnated paper. Used primarily for disc products.

Flashing A fin of excess metal along the mold joint line of a casting. Occurring between mating die faces of a forging or expelled from a joint in resistance welding.

Glazing Formation of a layer of the material being ground over the cutting edges of abrasive grains. It can be avoided or minimized by proper selection of abrasive, contact wheels, use of fluids or greases, or changing belt speeds.

Grinding Aid The generic term covering coolants and lubricants applied to coated abrasives to improve cut, finish, and durability by reducing heat and loading. May be water, various oils (in emulsion or straight), or greases in stick form.

Grit Designation of abrasive grain size, reflecting the number of the smallest openings per linear inch in the screen through which the grain will pass.

Loading Filling of the spaces between abrasive grains on a coated abrasive product with grinding swarf, resulting in a decrease in stock removal and rate of cut. Loading can be reduced in many operations by using an open coat product construction or a lubricant.

Mandrel A metal rod or support used to mount cartridge rolls, cross and square pads, disc sets, or loose pieces of coated abrasives to be held in the chuck of a grinder for grinding and polishing.

Non-Ferrous Any metal other than iron, nickel, cobalt and their alloys.

Open Coat A coated abrasive product in which the abrasive grain covers approximately 50% to 70% of the coat side surface.

Orange Peel A pattern or condition on some metal and painted surfaces similar in appearance to the pattern on the skin of an orange. It must be removed by adequate sanding or polishing to produce a perfect finish.

"P" Grade Products graded to the F.E.P.A. ("Federation of European Producers of Abrasives") system may have the letter "P" prior to the grit designation, e.g., P240, P36

PSA (Pressure Sensitive Adhesive) An adhesive applied to the backing of coated abrasive products which permits easy product application and removal to and from a backup pad.

Resin A synthetic adhesive used as a bonding agent or coat for coated abrasive products.

RPM Revolutions per minute.

SFPM Surface Feet per Minute.

Silicon Carbide A manufactured abrasive made from coke and silica sand (SiC).

Snagging Grinding the gates, fins, and sprues from castings.

Swarf The mixture of workpiece residue and abrasive particles with grinding aid (water, oil) created by abrading action.

Truing

1. The procedure used to restore a flat surface to a worn contact wheel or platen.
2. Dressing a contact roll or wheel to make its surface run concentric with the axis.

Waterproof Abrasive A coated abrasive which will withstand grinding with water or water soluble oil as a grinding aid.

Wet Grinding A term used to describe full flood oil grinding and full flood water soluble methods. All methods other than absolutely dry are included.

Work Rest Blade Angle

Angle at which the work rest blade meets the workpiece 20° to 30° angle is customary.

Zirconia A manufactured self sharpening abrasive grain that is effective on a variety of materials and applications.

CHOOSING THE RIGHT CUT OFF / GRINDING WHEEL

General Working and Safety Precautions

- Clearly laid-out and correct storage of wheels dry, at 20°C room temperature.
- Only works with corresponding protective clothing like goggles, gloves, work shoes with steel toes, hearing protection and a dust mask.
- Only secure cut off and roughing wheels with original clamping flanges provided for this purpose. Do not use defective or worn flanges.
- Only carry out cutting and roughing work with a corresponding guard.
- The use of damaged wheels increases the risk of an accident.
- Only process undamaged wheels. The permissible circumferential speed may not be exceeded.
- Do not mount worn wheels on smaller machines.

Special Working and Safety Precautions

Cutting:

- Cut off wheels are not permissible for rough grinding.
- Do not jam wheels in cut. Increased risk of breakage!
- A slight pendulum movement in the cut causes the wheel to be cut free.
- Ensure proper contact pressure. The machines own weight is generally sufficient!
- Ensure proper clamping of workpiece.
- Always clamp cut off wheels (straight version) with metal ring toward machine.
- Attention: With cut off wheels with a thickness of 1.0 mm, it must be checked whether the flange mounting of the angle grinder is suitable for the 1.0 mm wheel. Otherwise firm seating of the wheel must be ensured with the cardboard rings provided for this purpose.

Roughing:

- For free-handed grinding.
- Ensure the proper contact angle of the roughing wheel. A contact angle which is too flat will cause the wheel to break out around the edge.

Applications	
Materials	Material Designations
Steel 670, 669, 664	General construction steel
	High-strength construction steel
	Structural steel
	Tool steel
NF metals/Aluminum 664, 670	Hardened steel
	Aluminum
	Aluminum alloys
	Copper
	Brass
Stainless steel 664, 665, 670	Bronze
	Other lubricating non-ferrous metals
	Stainless steel sheets
	Non-alloyed stainless steel
	Alloyed and high-alloy steel
Stone 670	Rust and acid-proof steels
	Chrome-nickel steel
	Natural stone
	Artificial stone
	Chalky sandstone
	Concrete/reinforced concrete

Material	Würth prefix								
	664	669	670	664	670	664	665	670	670
General Construction Steel	A+	A+	A+						
High-Strength Steel	A+	A+	A+						
Structural Steel	A+	A+	A+						
Tool Steel	A+	A+	A+						
Hardened Steel	A+	A+	A+						
Aluminum				A+	A+				
Aluminum Alloys				A+	A+				
Copper				A+	A+				
Brass				A+	A+				
Bronze				A+	A+				
Other Non-Ferrous Metals				A+	A+				
Stainless Steel Sheets						A+	A+	A+	
Non-Alloyed Stainless Steel						A+	A+	A+	
Alloyed and High-Alloy Steel						A+	A+	A+	
Rust and Acid Proof Steels						A+	A+	A+	
Chrome-Nickel Steel						A+	A+	A+	
Natural Stone									A+
Artificial Stone									A+
Chalky Sandstone									A+
Concrete									A+

Steel	
Non-Ferrous/Aluminum	
Stainless Steel	
Stone	

664	Speed
665	Speed Ceramic
669	Roughing
670	Long life

HOW TO CHOOSE THE RIGHT COATED ABRASIVE

Material / Application	Disc Type (Grain)			
	Zirconia	Aluminum Oxide	Ceramic	Lubricated Aluminum Oxide
Steel				
Stainless Steel				
Specialty Alloys				
Carbon Steel				
Wrought Iron				
Titanium				
Aluminum				
Brass				
Bronze				
Lead				
Fibreglass				

Best
Very Good
Not Recommended

Zirconia (Blue Grain)

This grain is made from a percentage of aluminum oxide and zirconium oxide. The combination results in a tough, durable abrasive that works well in rough grinding applications, on a broad range of steels and steel alloys. Provides a cool cut for high stock removal.

*Try our: Premium Zirconia Resin Fibre Discs - Prefix 580.01

Zebra Flap Discs, Zebra Mini Flap Discs and Zebra Flexi-Discs - Prefix 578

Aluminum Oxide (Brown Grain)

This synthetic material is the toughest of the grains and its toughness gives long life while its sharpness delivers a fast cut. Aluminum oxide has the greatest variety of uses among the coated abrasive minerals. It is usually the abrasive chosen for grinding carbon steel, alloy steel, high speed steel, malleable iron, wrought iron, and similar metals.

*Try our: Premium Aluminum Oxide Resin Fibre Discs - Prefix 580.1

Mini Resin Fibre Discs - Prefix 585

Ceramic (Red Grain)

This high-purity grain is an abrasive with the ability to fracture at a controlled rate, constantly creating thousands of new cutting points. Otherwise known as 'self-sharpening'. It is exceptionally hard and strong, and primarily used for precision grinding in demanding applications on steels and alloys that are the most difficult to grind.

*Try our: Premium Ceramic Coated Metal Discs - Prefix 579

Ceramic Mini Resin Fibre Discs - Prefix 585

Lubricated Aluminum Oxide (Brown-Waxed)


The use of grinding additives in this disc acts as a lubricant that resists disc loading. The disc disperses lubricants as it heats and grinds, which sheds the metal particles away from the disc. Traditionally designed for the fabrication industry for use on soft metals like bronze, brass and aluminum.

*Try our: Soft Metal Resin Fibre Discs - Prefix 580.4

CERAMIC SPEED-X GRINDING WHEEL



Note: Outlasts Traditional Grinding Discs 5 to 1!!

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	1/4"	6.0	7/8"	22,23		13,300	664.181156	25
5"	125						12,200	664.181256	
7"	180						8,500	664.181806	



Black: Fine-grained layer

Red: Coarse-grained layer

Steel

Stainless Steel

SPEED

Roughing wheel with special multi-layer structure for high material removal and long service life.

Applications:

Suited for machining steel and stainless steel. Grinding edges, surfaces, hard weld seams, removing flash etc. (Also suitable for Aluminum/Non Ferrous applications)

Characteristics

Free of iron, chlorine and sulphur ($\leq 0.1\%$). Suitable for KWU Class II (e.g. pipeline and reactor construction).

Benefits:

Black fine-grained layer - Support layer

- Behaves like a support plate for the coarse-grained layer
- Increased safety during grinding
- No fraying of the wheel
- Wheel grinds down evenly
- Excellent vibration damping
- Prevents "white-finger disease"
- Easy on machines

Red coarse-grained layer

- High grind-off with low application of force
- Very cool grinding (no material discolouration)
- Very clean grinding pattern
- No clogging of wheel

Special fleece middle woven fabric

- Increased safety as a result of strong grain adhesion
- The combination of both a coarse and fine grain layer means that the grinding pattern can be changed depending on the angle.

ZEBRA GRINDING WHEELS



Stainless Steel

LONG LIFE

Long Life Grinding Wheel

- Iron, chlorine and sulphur free
- Meets KWU class II

Applications:

- Rough edges, deburring, weld seam preparation, etc.

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	1/4"	7.0	7/8"	22.23	Depressed Center	13,300	670.181157	5
5"	125						12,200	670.181257	



Steel

SPEED

Speed Grinding Wheel

Applications:

- Rough edges, deburring, weld seam preparation, etc.

Features:

- Synthetic bond, fibre-reinforced construction provides superior grinding properties, exceptional service life and drastically reduces disc failure
- Engineered to meet minimal measurement and imbalance tolerance thus eliminating excessive vibration and disc chatter
- Designed for use with electric and pneumatic angle grinders
- Maximum spherical speed 80 m/s
- Discs meet the strict safety requirements of the European standard (EN 12413) as well as the OSA (Organization for the Safety of Abrasives)

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
2 3/8"	60	1/4"	6.0	1/4"	6.0	Flat	25,000	664.160606	10
4 1/2"	115	5/32"	4.0	7/8"	22	Depressed Center	13,300	664.161154	
		1/4"	7.0					664.161157	10
5"	125	5/32"	4.0				12,200	664.161571	25
			7.0					664.161254	10
6"	150	1/4"	6.0				10,000	664.161257	
7"	180		7.0					669.060614	10
							8,500	664.161807	

ZEBRA GRINDING WHEELS




Steel

LONGLIFE

Long Life Grinding Wheel

Applications:

- Rough edges, deburring, weld seam preparation, etc.

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	5/32"	4.0	7/8"	22	Depressed Center 	13,300	670.161154	5
		1/4"	7.0					670.161157	
5"	125						12,200	670.161257	
7"	180	5/16"	8.0				8,500	670.161808	

GRINDING DISC



Steel

LONGLIFE

Applications:

- Rough edges, deburring, weld seam preparation, etc.

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	5/32"	4.0	7/8"	22.23	Depressed Center	13,300	669.161256	25

ZEBRA GRINDING WHEELS

Aluminum / Non Ferrous



SPEED

Speed Grinding wheel

- A blend of additives combined with an open grain structure provides clog-free grinding on aluminum, soft bronze, brass and non-ferrous metals.
- Resists loading of soft metals

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
5"	125	1/4"	6.4	7/8"	22.23	Depressed Center	12,200	669.020514	10

Aluminum/Non Ferrous



LONG LIFE

Long Life Grinding Wheel

- An all-round harder disc
- Particularly long service life combined with good metal-removing properties
- Resists loading of soft metals

Applications:

- For the rough truing of cast-ons, casting skin and edges, preparing weld seams, etc.; also good for grinding brass

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	5/32"	4.0	7/8"	22.23	Depressed Center	13,300	670.171157	5
5"	125	1/4"	7.0				12,200	670.171257	

PIPELINE PRO GRINDING WHEEL



Premium quality triple reinforced grinding wheel.

Applications:

- These premium quality grinding wheels provide precise, cool and clean cutting ability on materials such as tubes, sections, metal sheets among others
- For use on stainless steel and steel

Dimensions	Type	Art. No.	Max RPM	Certification
150 x 6 x 22.23 mm (6 x 1/4 x 7/8 in)	Type 27	670.1478	10200	oSa

PIPELINE PRO COMBINATION WHEEL



Premium quality triple reinforced wheel for cutting and light grinding.

Applications:

- The reinforced layers provide maximum safety during all-in-one cutting and deburring wheel usage
- For use on stainless steel and steel

Dimensions	Type	Art. No.	Max RPM	Certification
150 x 3.2 x 22.23 mm (6 x 1/8 x 7/8 in)	Type 27	670.1878	10200	oSa
150 x 4.0 x 22.23 mm (6 x 5/32 x 7/8 in)	Type 27	670.53278	10200	oSa

ZEBRA COMBI ALL-IN-ONE DISC



Steel

Stainless Steel

Cutting, grinding and polishing! All-in-One!

Features:

- Unique 3 layered reinforcement structure
- Highly aggressive
- Thermal and physical treatment for perfect disc structure
- Especially suited for machining steel and stainless steel, as well as some non-ferrous metals.

Applications:

- Metal machining and processing, steel construction, window and door construction
- On-site maintenance and repair
- Weld seam preparation and removal, general roughing, cleaning and finishing

Benefits:

- Cutting, grinding and polishing with a single product
- No more time loss due to machine or product change over
- The fine grit provides an excellent and uniform finish
- Low vibration
- Free of iron, sulphur and chlorine
- Low cutting temperature due to special fillers

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	3/32"	2.2	7/8"	22.23	Depressed Center	13,300	665.131152	25
5"	125						12,200	665.131252	

RONDELLER GRINDING WHEELS



Aluminum/Non Ferrous metals

Stainless Steel

Steel

For use on all metals including non-ferrous!

Applications:

- Used for rough, medium and fine surface grinding, on all metals (ferrous and non-ferrous). Eg: mild and carbon steels, tool steels, stainless steels, aluminum, bronze, brass

Feature:

- No clogging
- Extended service life
- The patented construction and use of high-quality reinforcing guarantee high resistance to breaking
- Increased heat disbursement and operating noise level

Diameter		Thickness		Arbor hole		Design	Grit	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
5"	125	5/32"	4.0	7/8"	22.23	Depressed Center	60	665.012560	5
7"	178						36	665.018036	

'XTREME CUT' CUT OFF DISC



Features:

Service life:	●●●●
Cutting ability:	●●●●
Handling/User-friendliness:	●●●●
Cut quality:	●●●○
Versatility:	●●●○



Applications:

Especially suitable for machining steel and stainless steel. Cuts thick and thin materials: Pipes, profiles, solid materials, flat materials, cables, plastics, composite materials, etc.

Stainless Steel

Steel

The high-tech cutting disc with extreme cutting ability and high safety margin.

- Significantly cleaner and easier cutting due to rough side surfaces. As a result, no kick-back effect or disc jamming, even in extreme applications.
- Minimal burr formation
- Considerable less strain on the user from vibrations, cutting noise and flying sparks.
- Very high safety margin exceeds the safety requirements of the applicable standards due to its highly tear proof special woven fabric and innovative product composition.
- Free of iron, chlorine and sulfur: $\leq 0.1\%$

Diameter		Thickness		Arbor Hole		Design	Max. RPM	Art No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	3/64"	1.0	7/8"	22.23	Flat	13,300	664.631150	25
5"	125	3/64"	1.0				12,250	664.631250	
4 1/2"	115	0.045"	1.3				13,300	664.631153	
5"	125	0.045"	1.3				12,250	664.631253	

PIPELINE PRO CUT OFF DISC



Top quality cut-off wheel.

Applications:

- These wheels perform at maximum on both, steel and stainless steel, as well as on cast iron. Its main application is for maintenance, metal carpentry, construction, pipelines for gas and oil, shipyards, auto body works, metal construction, tanks among others.
- For use on stainless steel and steel

Dimensions	Type	Art. No.	Max RPM	Certification
150 x 1.6 x 22.23 mm (6 x 1/16 x 7/8 in)	Type 27	670.64578	10200	oSa
150 x 1.6 x 22.23 mm (6 x 1/16 x 7/8 in)	Type 27	670.645781	10200	oSa

ZEBRA CUT OFF WHEELS



Stainless Steel

SPEED


Speed Cut off Wheel

Features:

- Free of iron, chlorine and sulphur ($\leq 0.1\%$)
- Suitable for pipeline and reactor construction

Applications:

Pipe cutting, ventilation ducts, sheet metal (e.g. containers, sheet metal structures), piping, steel rods, steel reinforcement, profiles and rails (in plumbing sector), cable racks and cable ducts, high-voltage cables, steel cables, laminated materials, plastics, etc.

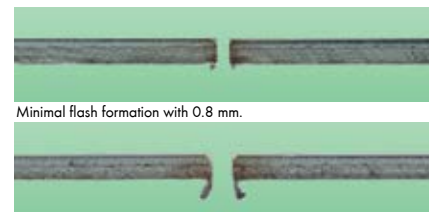
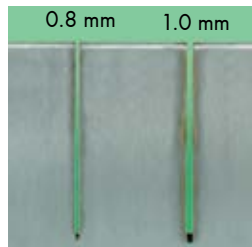
Diameter		Thickness		Arbour hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
2"	50	1/32"	1.0	1/4"	6.0	<div>Flat</div> 	30,500	664.130501	10
2 3/8"	60	1/32"	1.0	1/4"	6.0		25,000	664.130601	
3"	76	0.04"	1.0	3/8"	10.0		20,100	664.130761	
4"	100	1/32"	1.0	3/8"	10.0		15,300	664.131000	30
4 1/2"	115	1/32"	1.0	7/8"	22.23		13,300	664.131150	
4 1/2"	115	1/16"	1.6				13,300	664.131151	
5"	125	1/32"	1.0				12,200	664.1311511	
5"	125	1/16"	1.6				12,200	664.131250	
7"	180	1/16"	1.6				12,200	664.131251	
4 1/2"	115	0.031"	0.8				8,500	664.131801	
5"	125	0.031"	0.8				13,300	664.131148	
4 1/2"	115	1/32"	1.0				12,200	664.131248	
4 1/2"	115	1/16"	1.6				13,300	669.034132	
5"	125	0.04"	1.0					669.034116	
5"	125	1/16"	1.6				12,200	669.035004	
6"	150	1/8"	3.5					669.035116	
	150	1/16"	1.6					664.011252	
								10,000	669.036116

Advantages of 0.8 mm disc.

Super thin: Suited for cutting thin sheets, e.g. on vehicle bodies, thin-walled pipes, profiles and other thin-walled materials of steel and stainless steel.

Super fast: Extremely fast cutting - comparatively quiet, low-sparking and with extremely low dust development.

Minimal flash: Precision cutting with minimal flash formation.



Minimal flash formation with 0.8 mm.

For comparison: Flash formation with common 1.0 mm cut off wheel.

CUT OFF WHEELS

Stainless Steel



Cut Off Wheel

Applications:

- Cutting of metal sheets, pipes, profiles, steel cables, iron reinforcements, etc.

Features:

- Free of iron, chlorine and sulphur ($\leq 0.1\%$)
- Synthetic-resin bonded, fibre-reinforced standard cut off wheel
- High resistance to breakage
- Max. circumferential speed 80 m/s
- Complies with the most demanding safety requirements of European standard EN 12413 and the OSA (Organization for the Safety of Abrasives)

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	1/32"	1.0	7/8"	22.23	Flat	13,300	669.131150	25
5"	125						12,200	669.131250	

ZEBRA CUT OFF WHEELS



or

Steel

LONG LIFE

Long Life Cut Off wheel

Applications:

- Metal sheets, pipes, profiles, steel rope, reinforcement bar, etc.

Features:

- Thin blade design results in a quick, precise cut, while leaving a virtually burr-free edge
- High quality construction results in an extremely long service life and the highest resistance to disc failure
- Spark formation, dust, noise output and disc shatter are minimal
- Designed to cut effortlessly through thin-walled pipes, and thin-gauge sheet metal.

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
5"	125	3/32"	2.5	7/8"	22.23	Depressed Center	12,200	670.101252	10
7"	180						8,500	670.101802	
12"	300	3/16"	3.5	25/32"	20.00	Flat	5,100	670.103023	5
14"	350	5/32"	4.0				5,400	670.103524	

ZEBRA CUT OFF WHEELS



Steel

Applications:

- Cutting solid materials, pipes, profiles and sheet metal.

Features:

- Synthetic-resin bonded, fibre-reinforced cut off wheel
- High resistance to breakage
- Max. circumferential speed 80 m/s
- Complies with the most demanding safety requirements of the European standard EN 12413 and the OSA (Organization for Safety of Abrasives)

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	3/32"	2.5	7/8"	22.23	Depressed Center	13,300	669.101152	25
5"	125						12,200	669.101252	



Aluminum / Non Ferrous

LONG LIFE

Long Life Cut Off Wheel

Applications:

- Metal sheets, copper pipes, extruded aluminum and more.
- Resists loading on soft metals

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
4 1/2"	115	3/32"	2.5	7/8"	22.23	Depressed Center	13,300	670.121152	5
5"	125						12,200	670.121252	



Aluminum / Non Ferrous

SPEED

Speed Cut Off Wheel

Applications:

- Metal sheets, pipes, profiles, roof coverings, gutters and more.

Diameter		Thickness		Arbor hole		Design	Max. RPM	Art. No.	P. Qty
inch	mm	inch	mm	inch	mm				
5"	125	1/16"	1.6	7/8"	22.23	Centre Bombé	12,200	669.025116	10

3" CUTTING DISC



Features:

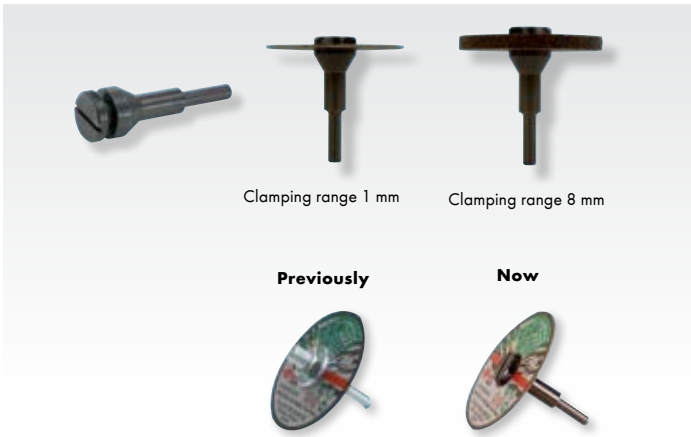
- High edge strength and extremely long service life ensures greater efficiency in daily use
- Maximum RPM - 25,000

Applications:

- Used for finishing applications, smooth cutting and burr-free finish
- Recommended for refineries and nuclear industries.

Dia.	Thickness	Arbor Hole	Art. No.	P. Qty
3"	1/32"	3/8"	669.033132	10
	1/16"		669.033116	
	1/8"		669.030318	5

CLAMPING MANDRELS FOR CUT OFF AND ROUGHING WHEELS



Benefits:

- Clamping range from 0 to 8 mm
- Countersunk clamping screw
- No protruding thread sections, enabling work even in cramped spaces
- Clamping screw with large contact surface and right-hand threads (self-clamping effect)
- Reliable holding of wheels
- Clamping screw with large support surface and lengthwise slit
- Easy releasing or tightening with an open-end wrench, 17 mm, or straight-blade screwdriver

Arbor	Shank Diameter	Total length (mm)	Art. No.	P. Qty
6mm	6 mm	54	664.976	1
10mm		58	664.978	

CHOP SAW BLADES



Steel

General purpose, fast cutting

- Designed for a fast cut.
- Designed to avoid glazing on hard materials.
- Ideal for a wide variety of shapes and thicknesses.

Dimensions inch	Dimensions mm	RPM	Art. No.	P. Qty
12" x 3/32" x 1"	305 x 2.5 x 25.4 mm	5,100	669.031232	2
14" x 3/32" x 1"	355.5 x 2.5 x 25.4 mm	4,400	669.031433	10
16" x 3/32" x 1"	406.5 x 2.5 x 25.4 mm	3,800	670.08010	5
14" x 1/8" x 3/4"	350 x 4 x 20 mm	5500	669.031418	5

Stainless Steel

Applications:

- Ferrous metals, light or heavy structural steels and solids.

Steel

General purpose, long life

- Designed for use on low-powered chop saws.

Dimensions inch	Dimensions mm	RPM	Art. No.	P. Qty
14" x 7/64" x 1"	355.5 x 2.8 x 25.4 mm	4,400	670.07080	2
16" x 3/32" x 1"	406.5 x 2.5 x 25.4 mm	3,800	670.08015	10

Stainless Steel

Applications:

- Ferrous metals, light structural steels, thin wall tubing and small solids.

CHOP SAW BLADES



Steel

Extra long life - for metal studs

General purpose, extra long life

- Designed to cut metal studs used in construction.
- The mixture of abrasive grains provides long life and cool cutting to outlast other wheels used for the same application.

Applications:

- Metal studs, light ferrous metals, light structural steels, thin rebar, light gauge metal.

Dimensions inch	Dimensions mm	RPM	Art. No.	P. Qty
14" x 3/32" x 1"	355.5 x 2.5 x 25.4 mm	4,400	669.031432	5

GRINDING STONES



Features:

- Ceramically bound
- Type A, straight
- Tool grinding machines or other stationary grinding machines
- For general purpose grinding of steel, iron, forging grade steel, and more

Note: Do not exceed 2,000 RPM. if tool is used above 2,000 RPM, personal injury or surface damage may occur.

Diameter	Thickness	Arbor hole	Grit	Design	Max. RPM	Art. No.	P. Qty
8"	3/4"	1"	36	Flat	2,000	679.203036	1
			60			679.203060	

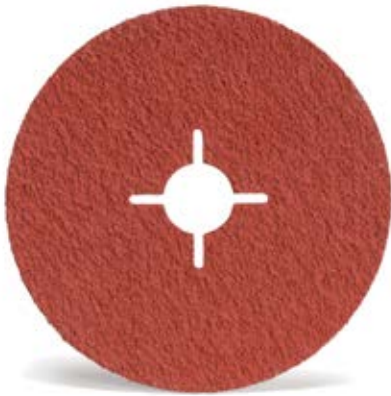
ADAPTOR SLEEVES



- Grinding stone reducing bushing
- Made of plastic

Outer Dia.	Inner Dia. (inch equiv.)	Inner Dia. (mm)	Art. No.	P. Qty
1-1/4" (32mm)	15/32"	12mm	679.03212	2
	5/8"	16mm	679.03216	

CERAMIC PLUS RESIN FIBRE DISCS



Innovative grain technology that results in sharper grain edges and higher stock removal on high alloyed steels and stainless steel.

Features:

- Aggressive self-sharpening grain
- Microcrystals that produce sharper grain edges

Advantages:

- Long service life
- High removal rate
- Low contact pressure required
- Cool sanding

Applications:

- Stainless steel
- Steel
- Aluminum
- Rust resistant, acid resistant and heat resistant high alloyed steels

Diameter x Arbor Hole	Grit	Max RPM	Art. No.	P. Qty.
4-1/2" x 7/8"	36	13,330	580.911536	25
	60		580.911560	
	80		580.911580	
	120		580.911512	
5" x 7/8"	36	12,250	580.912536	
	60		580.912560	
	80		580.912580	
	120		580.912512	
6" x 7/8" *NEW!*	36	10,200	580.916636	
	60		580.916660	
	80		580.916680	
7" x 7/8"	36	8,500	580.917836	
	60		580.917860	
	80		580.917880	
	120		580.917812	



PREMIUM CERAMIC COATED RESIN FIBRE DISCS



Works on the hardest metals

- Developed especially for use on stainless steel and other alloys
- Provides higher cut rates and cooler grinding temperatures

Features:

- Heat treated, blue fired, aluminum oxide and ceramic grain
- Custom blended grinding aid
- Synthetic wax

Applications:

- Stainless Steel 300 Series
- Carbon Steel
- Exotic Alloys
- Titanium

Benefits:

- Fast cut
- Works on the hardest metals
- Longer life, anti-glazing, anti-loading, cool grinding product

Diameter x Arbor Hole	Grit	Art. No.	P. Qty
4 1/2" x 7/8"	24	579.412.024	25
	36	579.412.036	
	80	579.412.080	
5" x 7/8"	24	579.5..024	
	36	579.5..036	
	50	579.5..050	
	60	579.5..060	
	80	579.5..080	
7" x 7/8"	24	579.7..024	
	36	579.7..036	

Note: For best results use with Art. No. 586 Air Cooled Backing Pads

PREMIUM ZIRCONIA RESIN FIBRE DISCS



High quality, multi layer, heavy duty vulcanized fibre discs

Features:

- Covered with a **resin bond coating** specially formulated to resist loading, glazing and grain stripping
- The bond coat is then covered with specially processed mineral abrasive grains formulated for toughness, sharpness and bond
- Outstanding cutting rates and maximum service life
- Especially suitable for stainless steel
- Powerful, versatile, flexible, safe and economical
- Most cost effective when used in high production applications where cutting rates are monitored

Applications:

- Stock removal (welds, protrusions)
- Finishing and blending
- Varying work piece substrates
- Flat surfaces
- Contour surfaces
- Stainless - Cobalt Titanium
- General purpose grinding ferrous and non-ferrous metals, fibreglass, wood

Diameter x Arbor Hole	Grit	Art. No.	P. Qty
4 1/2" x 7/8"	24	580.011524	25
	36	580.011536	
	60	580.011560	
	80	580.011580	
5" x 7/8"	24	580.012524	
	36	580.012536	
	60	580.012560	
	80	580.012580	
7" x 7/8"	24	580.018024	
	36	580.018036	
	60	580.018060	

Note: For best results use with Art. No. 586 Air Cooled Backing Pads

PREMIUM ALUMINUM OXIDE RESIN FIBRE DISCS



High quality, multi layer, heavy duty vulcanized fibre discs

Features:

- Covered with a **resin bond coating** specially formulated to resist loading, glazing and grain stripping
- The bond coat is then covered with specially processed mineral abrasive grains formulated for toughness, sharpness and bond
- A blend of advanced abrasive alloys and bonding agents delivers superior cutting rates and longer service life
- No breaking or tearing at the edges during grinding
- Provides optimal value when used in high stock removal applications and where cool cutting action is required

Applications:

- Stock removal (welds, protrusions)
- Finishing and blending
- Varying work piece substrates
- Flat surfaces
- Contour surfaces

Diameter x Arbor Hole	Grit	Art. No.	P. Qty
4 1/2" x 7/8"	24	580.11524	25
	36	580.11536	
	40	580.11540	
	60	580.11560	
	80	580.11580	
	120	580.11580	
5" x 7/8"	24	580.12524	
	36	580.12536	
	50	580.12550	
	60	580.12560	
	80	580.12580	
	120	580.125120	
7" x 7/8"	24	580.18024	
	36	580.18036	

Note: For best results use with Art. No. 586 Air Cooled Backing Pads

SOFT METAL RESIN FIBRE DISCS



Waxed disc provides optimum lubrication and loading resistance

Features:

- Wax coating prevents the disc from loading
- Long life discs as a result of loading resistance
- Grinds soft metals quickly
- Reduces heat at the contact point
- Removes larger media chips
- Lubricates as they grind
- Resist loading
- Greater longevity
- Outlast conventional aluminum oxide discs
- RPM: 13,000 (4.5") and 12,000 (5")

Applications:

Soft Metals with lower melting temperatures including:

- Aluminum
- Bronze
- Brass
- Copper
- Lead

Advantages:

- Reduces the number of discs used
- Longer working life of disc
- Less down time
- Faster cut rates and better surface finish
- Resists loading

Diameter x Arbor Hole	Grit	Art. No.	P. Qty
4 1/2" x 7/8"	36	580.412.036	25
	80	580.412.080	
5" x 7/8"	36	580.5..036	
	50	580.5..050*	
	60	580.5..060*	
	80	580.5..080	

*Available OnDemand

Note: For best results use with Art. No. 586 Air Cooled Backing Pads

BACKING PADS – AIR COOLED FOR RESIN FIBRE DISCS



- Air Cooled
- Easy to assemble
- Max. RPM: 13,000
- Cools the disc while grinding

Size	Art. No.	P. Qty
4 1/2"	586.7004	1
5"	586.7005	
7"	586.7007	

CENTRE NUT FOR RESIN FIBRE DISCS



Art. No. 715.58 Qty: 1

- 5/8" - 11 centre locking nut for use with Air Cooled Backing Pads

TRIM-CUT GRINDING DISCS – ALUMINUM OXIDE



Size / Grit	Art. No.	P.Qty
3" Disc- Coarse (36 Grit)	585.936	10
3" Disc- Medium (60 Grit)	585.960	
1/4" Mandrel	715.5859	1
*Each box contains one 1/4" mandrel		

Note: Rated up to 28,000 RPM

Patented Reverse Thread and Trimmable Technology



Grind



Trim



Reverse Thread
(For hard to reach places)

Features:

- Patented one-piece molded plastic grinding discs
- Insulated against heat build up allowing cooler high-speed grinding
- Can be repeatedly trimmed right down to the arbour
- Cost effective and time effective
- Reverse thread for hard to reach areas

Applications:

- Ideal for rust and paint as well as general auto body work. A great performance disc on plastic, fibreglass and composites
- Ideal for removing rust and paint, gaskets and adhesives
- Excellent for smoothing hardened alloy welds, grinding stainless steel, titanium, and non ferrous metal.

Grinding and removal of:

- Welds
- Body Filler
- Fibreglass
- Sheet metal burrs
- Paint
- Wood
- Plastic
- Rust

CERAMIC PLUS - MINI RESIN FIBRE DISCS



Innovative grain technology that results in sharper grain edges & higher stock removal on high alloyed steels and stainless steel



Compatible with 3M Roloc™ System

Features:

- Aggressive self-sharpening grain
- Microcrystals that produce sharper grain edges

Advantages:

- High removal rate
- Long service life
- Low contact pressure required
- Cool grinding

Applications:

- Stainless steel
- Steel
- Aluminum
- Rust resistant, acid resistant and heat resistant high alloyed steels

Diameter x Arbor Hole	Grit	Art. No.	P. Qty.
2"	24	585.91224	25
	40	585.91240	
	60	585.91260	
	80	585.91280	
3"	24	585.91324	
	40	585.91340	
	60	585.91360	
	80	585.91380	

PREMIUM CERAMIC – MINI RESIN FIBRE DISCS



Compatible with 3M Roloc™ System

Features:

- 100% ceramic grain with top coat (grinding aid)
- Superior life and fast cut
- Excellent for rapid stock removal on stainless steel and tough alloys
- Perfect for deburring, weld removal, corrosion and oxidation removal

Diameter	Grit	Art. No.	P. Qty
2"	24	585.7210	50
	36	585.7215	
	40	585.7220	
	50	585.7225	
	60	585.7230	
	80	585.7235	
	100	585.7240	
3"	120	585.7245	25
	24	585.8210	
	36	585.8215	
	40	585.8220	
	50	585.8225	
	60	585.8230	
	80	585.8235	
	100	585.8240	
	120	585.8245	

Applications

GOOD Cast Iron

BETTER Mild Steel

BEST Stainless Steel, Titanium, Inconel

Note: Use with Type 'R' Mandrel Art. No. 585.41 and Art. No. 585.43

ZEE SUPREME – MINI RESIN FIBRE DISCS



Compatible with 3M Roloc™ System

Features:

- 100% zirconia with top coat (grinding aid)
- Superior life and fast cut
- Lubricated for cool grinding
- Excellent for rapid stock removal on carbon steel
- Great for removing sharp edges and burrs

Diameter	Grit	Art. No.	P. Qty
2"	24	585.2210	50
	36	585.2215	
	50	585.2225	
	60	585.2230	
	80	585.2235	
	100	585.2240	
	120	585.2245	
3"	24	585.2310	25
	36	585.2315	
	50	585.2325	
	60	585.2330	
	80	585.2335	
	100	585.2340	
	120	585.2345	

Applications

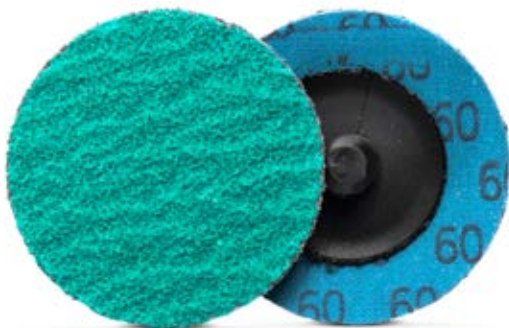
GOOD Bronze, Brass, Aluminum

BETTER Mild Steel, Cast Iron

BEST Stainless Steel, Titanium, Inconel

Note: Use with Type 'R' Mandrel Art. No. 585.41 and Art. No. 585.43

GREEN POWER ZIRCONIA – MINI CLOTH DISCS



Compatible with 3M Roloc™ System

Features

- 100% zirconia with top coat (grinding aid)
- Cloth backing allows flexibility when used on a contoured surface
- Superior life and fast cut
- Excellent for rapid stock removal on carbon steel
- Great performance on light gauged sheet metal
- Flexibility reduces gouging of metal resulting in a finer finish

Applications

GOOD Bronze, Brass, Aluminum

BETTER Mild Steel, Cast Iron

BEST Titanium, High Nickel Alloys

Note: Use with Type 'R' Mandrel Art. No. 585.41 and Art. No. 585.43

Diameter	Grit	Art. No.	P. Qty
2"	36	585.598422	25
	50	585.598424	
	60	585.598425	
	80	585.598426	
	120	585.598428	
3"	36	585.598522	25
	50	585.598524	
	60	585.598525	
	80	585.598526	
	120	585.598528	

PREMIUM ALUMINUM OXIDE – MINI RESIN FIBRE DISCS



Compatible with 3M Roloc™ System

Benefits:

- Type-R hub is made from the highest quality virgin plastic
- The fibre backing creates stiff, strong support for a more aggressive and faster cut
- Fits all existing Type 'R' style backing pads

Applications

GOOD Wood, Ferrous Metals

BETTER Aluminum, Copper, Brass

BEST Carbon Steel, Cast Iron

Note: Use with Type 'R' Mandrel Art. No. 585.41 and Art. No. 585.43

Diameter	Grit	Art. No.	P. Qty
2"	24	585.6224	50
	36	585.6236	
	50	585.6250	
	120	585.62120	
3"	24	585.6324	25
	36	585.6336	
	50	585.6350	
	120	585.6399	

ALUMAX – MINI RESIN FIBRE DISCS



Compatible with 3M Roloc™ System

Features:

- 100% ceramic grain with top coat (grinding aid)
- Cool cut with anti-loading agent for soft metals
- Superior life
- A premium product for aluminum, brass, copper etc.
- Rapid stock removal
- Drastically reduced aluminum galling due to anti-loading

Applications

GOOD Fibreglass, Composites

BETTER Copper, Brass

BEST Aluminum

Note: Use with Type 'R' Mandrel Art. No. 585.41 and Art. No. 585.43

Diameter	Grit	Art. No.	P. Qty
2"	24	585.3210	50
	36	585.3215	
	50	585.3225	
	60	585.3230	
	80	585.3235	
	100	585.3240	
	120	585.3245	
3"	24	585.3310	25
	36	585.3315	
	50	585.3325	
	60	585.3330	
	80	585.3335	
	100	585.3340	
	120	585.3345	

SURFACE CONDITIONING DISCS



Benefits:

- More flexible than a fibre sanding disc; less likely to gouge metal
- Open construction of disc material allows dust to work through the disc and away from the surface
- Disc is much quieter during use than a fibre disc
- Will remove sharp edges and spot welds
- Much easier to control

Diameter		Type	Colour	Max. RPM	Art. No.	P. Qty
Inches	mm					
5"	125	Coarse	Brown	20,000	585.4510	10
		Medium	Maroon		585.4520	
		Fine	Blue		585.4530	

Applications: Ideally suited for machining stainless steel, steel, brass, copper, paint and rust removal.

Note: Use with backing pad Art. No. 586.7005

Coarse

GOOD Heavy stock removal

BETTER Scale Removal

BEST Heavy Deburring

Medium

GOOD Light deburring

BETTER Cleaning

BEST Blending, Finishing

Fine

GOOD Blending

BETTER Finishing

BEST Cleaning

MINI SURFACING CONDITIONING DISCS - TYPE 'R'



Compatible with 3M Roloc™ System

Features:

- Removes old paint and coatings supplying a smooth, uniform surface
- Removes coarse grind lines, milling marks and micro burrs
- Removes light rust
- Minimizes undercutting and gouging, will not disturb critical tolerances
- Removes old gasket adhesives
- Cleans or deburrs hard to reach areas.
- Silicone free

Recommendations:

- Always wear protective eye wear when operating surface discs (**Prefix 899**)

Diameter	Type	Colour	Max. RPM	Art. No.	P. Qty
2"	Heavy Duty	Brown	23,000	585.42099	50
	Extra Coarse	Brown		585.4209	
	Coarse	Brown		585.4210	
	Medium	Maroon	20,000	585.4211	
	Fine	Blue	23,000	585.4230	
	Extra Fine	Grey		585.4240	
3"	Extra Coarse	Brown	15,000	585.4315	25
	Coarse	Brown		585.4310	
	Medium	Maroon	13,000	585.4320	
	Fine	Blue		585.4330	

Applications: Use **medium and coarse** surface conditioning discs for steel surfaces. Use **fine and extra fine** surface conditioning discs for aluminum surfaces.

Heavy Duty

GOOD Heavy stock removal

BETTER Scale Removal

BEST Heavy Deburring

Extra Coarse

GOOD Scale removal

BETTER Med stock removal

BEST Rust & paint removal

Coarse

GOOD Light Stock Removal

BETTER Scale Removal

BEST Light deburring

Medium

GOOD Light deburring

BETTER Cleaning

BEST Blending, Finishing

Fine

GOOD Blending

BETTER Finishing

BEST Cleaning

Extra Fine

GOOD Light Blending

BETTER Finishing

BEST Light Cleaning

Note: Use with Type R Mandrel Art. No. 585.41 and 585.43

TYPE 'R' MANDREL



For use with all Würth Type 'R' mini discs

Diameter	Art. No.	P. Qty.
1-1/2"	585.40	1
2"	585.41	
3"	585.43	
4"	585.44	

VELCRO SURFACE CONDITIONING DISCS



For use on electric and pneumatic angle grinders. Ideal for sanding flat surfaces.

Benefits:

- High tear resistance, even sanding pattern, water resistant
- No change in shape during sanding
- No clogging
- Cooler sanding (low working temperature)

Diameter		Type	Colour	Max. RPM	Art. No.	P. Qty
Inches	mm					
4 1/2"	115	Coarse	Brown	4,150	585.46080	10
		Medium	Maroon		585.460100	
		Fine	Blue		585.460180	
5"	125	Coarse	Brown	3,800	585.47080	
		Medium	Maroon		585.470100	

Applications: Burnishing, matting, polishing, removing paint runs, removing surface defects (light scratches) and smoothing surfaces

Coarse

GOOD Heavy stock removal

BETTER Scale Removal

BEST Heavy Deburring

Medium

GOOD Light deburring

BETTER Cleaning

BEST Blending, Finishing

Fine

GOOD Blending

BETTER Finishing

BEST Cleaning

Note: Use with backing pad Art. No. 586.12012, 586.12028 or 586.12035

Product Tip: Ideally suited for machining aluminum, steel, brass, copper, wood, plastics and paints.

BACKING PADS



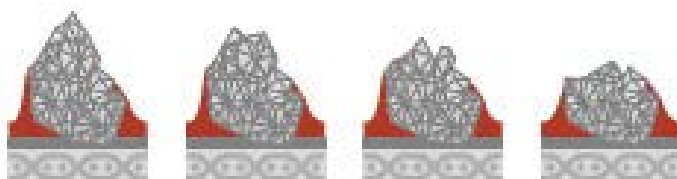
Velcro Backing Pads

- Backing pad for use with Velcro discs. Incorporates unique hook and loop fastening system for simple application and removal.

Dia.	Shank size	Max. RPM	Art. No.	P. Qty
4 1/2"	5/8" - 11 Female	10,000	586.12012	1
5"			586.12035	

Safety Tip: Always check the RPM of the disc being used.

CERAMIC PLUS FLAP DISCS



Innovative grain technology that results in sharper grain edges and higher stock removal on high alloyed steels and stainless steel

Features:

- Aggressive self-sharpening grain
- Microcrystals that produce sharper grain edges

Advantages:

- Long service life
- High removal rate
- Low contact pressure required
- Cool grinding

Applications:

- Stainless steel
- Steel
- Aluminum
- Rust resistant, acid resistant and heat resistant high alloyed steels

Diameter	Arbour Hole	Grit	Max. RPM	Design	Art. No.	P. Qty.
4-1/2"	7/8"	40	13,300	Type 29	578.941240	5
		60			578.941260	
		80			578.941280	
5"		40	12,200		578.950040	
		60			578.950060	
		80			578.950080	

FLAP DISCS - CERAMIC



LONG LIFE

Benefits:

- Lasts up to four times longer than conventional flap discs.
- Very high degree of material removal.
- Finer, more uniform surface quality.

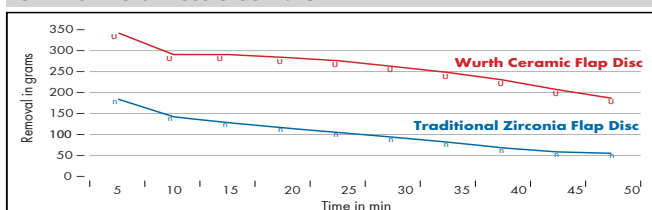
High-performance grinding cloth:


- Self-sharpening ceramic grain.
- Extremely long service life.
- Very cool grinding.
- No discolouration of material.
- Self-sharpening ceramic grain.

Applications:

- Ideal for the processing of stainless steel, high-alloy steels, nickel-based alloys and titanium alloys.
- Used for grinding edges and surfaces, dressing and smoothing, deburring and weld seam processing

**Grinding Comparison with
Grit 40 in Stainless Steel 1.4571**



Diameter	Arbour hole	Grit	Max. RPM	Design	Backing	Art. No.	P. Qty.
4 1/2"	7/8"	40	13,300	Type 29 	Fibreglass Backed	578.430314	10
		60				578.430316	
		80				578.430318	
5"		40	12,200			578.430324	
		60				578.430326	
		80				578.430328	

JUMBO FLAP DISCS - ZIRCONIA



For use on all types of metals!

- Designed for maximum performance when deburring, grinding and polishing metals
- Mineral bond and fibreglass backing for better performance and stronger resistance
- Powerful, versatile, flexible, safe and economical

Note: Lasts up to 3 times longer than a conventional flap disc due to more flap segments.

Dia.	Arbor hole	Grit	Max. RPM	Design	Art. No.	P. Qty.
4 1/2"		24	13,300	Type 27	578.412.024	5
		40			578.412.040	
		60			578.412.060	
		40		Type 29	578.412.4029	
		60			578.412.6029	
		80			578.412.8029	
5"	7/8"	24	12,300	Type 27	578.5..024	
		40			578.5..040	
		60			578.5..060	
		80			578.5..080	
		24		Type 29	578.5..2429	
		36			578.5..3629	
		60			578.5..6029	
		80			578.5..8029	

6" JUMBO FLAP DISC ZIRCONIA



For maximum performance in deburring, grinding, and polishing metals and welding

Features:

- Fiber glass backing
- Made with continuous self-sharpening High-Tech Zirconia Alumina Grain
- Flat Surface
- Manufactured in Canada

Advantages:

- High performance and high resistance
- High cutting rate
- Long service life

Applications

- Carbon Steel
- Stainless Steel
- Heat Treated Steels and Tools Speed
- Alloyed Steels
- Sheet Metal
- Cast Iron
- Non-Ferrous Metals

Diameter (in)	Arbour Hole	Grit	Max. RPM	Design	Art. No.	P. Qty
6"	7/8"	36	10,200	Type 27	578.6..36	5
		60			578.6..60	
		80			578.6..80	

FLAP DISCS – ZIRCONIA



Can be used on virtually any material!

Benefits:

- High removal rate
- Long life
- Cool cutting
- Even grinding pattern

Applications:

- Performance grinding for high stock removal
- Removal of welded seams and edge grinding
- Works on burrs and rough casts
- Rust removal and cleaning

Note: The Type 29 Conical discs are only available with fibreglass backing, and the Type 27 Flat discs are only available with plastic backing.

Diameter	Arbor hole	Grit	Max. RPM	Design	Backing	Art. No.	P. Qty.
4 1/2"	7/8 "	40	13,300	Type 29	Fibreglass Backed	579.430314	10
		60				579.430316	
		80				579.430318	
40		579.430324					
60		579.430326					
80		579.430328					
4 1/2"		40	13,300	Type 27	Plastic Backed	579.431514	
		60				579.431516	
		80				579.431518	
5"		40	12,300			579.431524	
		60				579.431526	
		80				579.431528	
7"		40	8,500	Type 29	Fibreglass Backed	578.02940	5
		60				578.02960	
		80				578.02980	

EZ SPIN FLAP DISCS – ZIRCONIA



Reduce waste and increase productivity with the EZ Spin Quick Change System.

Features:

- Cool cutting zirconia grain
- One step 'spin on' 5/8-11 threaded hub
- Ergonomic grip area for fast and easy finger alignment and mounting
- Positive drive – no slip
- Over-torque protection
- Self-tightening thread
- Durable high-strength plastic backing

Advantages:

- Super-fast mounting and demounting
- Eliminate costly changeover time
- Plastic backing absorbs vibration and increases removal rate performance
- 5/8-11 hub fits all standard grinders
- High stock removal
- Long life
- Even grinding pattern

Applications:

- Steel, stainless steel, non-ferrous, vehicle body construction, wood etc.
- Grinding and finishing welds
- Removal of welded seams
- Edge grinding
- Rust removal and heavy cleaning
- Surface finishing



Diameter	Arbor	Grit	Max. RPM	Design	Art. No.	P. Qty
4-1/2"	5/8-11	36	13,300	TYPE 29	579.432513	5
		40			579.432514	
		60			579.432516	
		80			579.432518	
		120			579.432511	
5"		36	12,200		579.432523	
		40			579.432524	
		60			579.432526	
		80			579.432528	
		120			579.432521	

SEE-THROUGH FLAP DISC ZIRCONIA



See “through the disc” and thus on the material being processed. Cool and even grinding results. Ideal for the processing of thin sheet metal for the construction of vehicle bodies and weld seams.

Benefits:

- Free view of the work piece being processed:
 - Prevents undesired excessive grinding
 - Reduction of processing faults
- Better surface quality through more targeted work
- Cool grinding due to fan effect:
 - Reduction of temperature on the surface prevents undesired blue colouring of the work piece
- Good, steady guidance

Applications:

General steel construction

- Weld seam preparation and post-processing of weld seams
- Derusting
- Removal of scale
- Grinding of wrought ironwork (grills, railings, banisters)
- Removal of excess zinc on weld seams before plastic coating

Stainless steel processing

- Pipeline construction, tank and container construction
- Apparatus construction (chemical industry)
- Plant construction, such as breweries, food industry
- Boat construction

Aluminum processing (all non-ferrous metals)

- Special vehicles, such as silo vehicles, ambulances, fire department vehicles, etc
- Ship construction
- Airplane construction

Agricultural machines

- Sharpening of blades (lawn mowers, reciprocating finger bar mower)

Vehicle body construction

- Accident repairs: paints and filler compounds, MIG solder seams
- Special vehicle construction (truck attachments, servicing, and parts subject to wear for bulk material transporters)

Wood and Fibre-reinforced plastic processing

- Exact surfaces or edge corrections

Function:



Grinding without Zebra slotted see-through disc.



Grinding with Zebra slotted see-through disc: good view of the material being processed.

Dia	Arbor Hole	Grit	Max. RPM	Design	Art. No.	P. Qty
4 1/2"	7/8"	40	13,300	Type 29	578.811.540	2
		60			578.811.560	
		80			578.811.580	
5"	7/8"	40	12,200	Type 29	578.812.540	2
		60			578.812.560	
		80			578.812.580	

Note: When only wood or plastics are ground, the disc must be cleaned by grinding on a sharp-edged iron tool.

Product Tip: For particular use on steel, stainless steel and aluminum. Welding spray, **Art. No. 893.1021**, extends the tool life of the slotted see-through disc for the processing of non-ferrous metals.

MINI FLAP DISCS - TYPE 'R' ZIRCONIA



Mini flap disc with type-R quick-action chuck for use with die grinders.

Applications:

- Alternative to mini resin fibre discs, small roughing discs, point grinders, fan-shaped grinders, grinding sleeves, grinding caps, etc.
- Weld seam finishing, surface grinding, removal of paint, tool sharpening, plastering and smoothing, deburring, edge machining and finishing, particularly in tight spaces
- Used for stainless steel, chromium, and nickel alloys, alloyed and unalloyed steels, construction steel, tool steel, nonferrous metals, castings, hard plastics and wood



Compatible with 3M Roloc™ System

Use with: Type R Mandrel Art. No. 585.41 and 585.43

Diameter	Grit	Max. RPM	Art. No.	P. Qty.
2"	40	30,000	578.605040	2
	60		578.605060	
	80		578.605080	
3"	40	20,000	578.607640	
	60		578.607660	
	80		578.607680	

MINI FLEXI DISCS - TYPE 'R' ZIRCONIA



Suitable for concave or convex surfaces as well as finishing, transition and profile grinding. Robust and flexible cotton fabric with high tearing strength.

Applications:

- Used on stainless steel, chromium and nickel alloys, alloyed and unalloyed steels, construction steel, tool steel, nonferrous metals, castings, hard plastics and wood

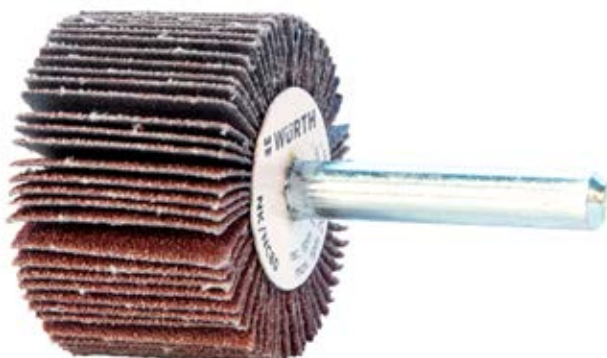


Compatible with 3M Roloc™ System

Use with: Type R Mandrel Art. No. 585.41 and 585.43

Diameter	Grit	Max. RPM	Art. No.	P. Qty.
2"	40	30,000	578.705040	2
	60		578.705060	
	80		578.705080	

FLAP WHEELS



Benefits:

- Excellent for applications requiring high stock removal and aggressive cleaning, blending and finishing
- Leaves straight line finish
- Mandrel runs through the wheel reducing chatter and operator fatigue
- Aluminum oxide abrasive with phenolic resin

Applications:

- Deburr edges
- Clean, blend and finish inside and outside diameters of ferrous and non-ferrous metals

STANDARD

Grit	1" x 1/2"	1" x 1"	1 1/2" x 1/2"	P. Qty
	Art. No.	Art. No.	Art. No.	
60	672.033076	672.033096	672.034076	10
80	672.033078	672.033098	672.034078	
120	672.033071	672.033091	672.034071	
Max RPM	30,500	30,500	20,000	
Rec. RPM	15,700	15,700	10,000	

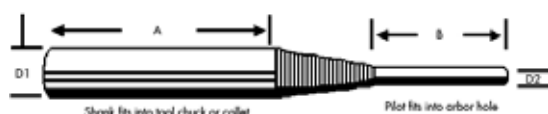
Grit	1 1/2" x 1"	2" x 1/2"	2" x 3/4"	P. Qty
	Art. No.	Art. No.	Art. No.	
60	672.034096	672.035076	672.035086	10
80	672.034098	672.035078	672.035088	
120	672.034091	672.035071	672.035081	
Max RPM	20,000	15,000	15,000	
Rec. RPM	10,000	7,500	7,500	

Grit	2" x 1"	2 1/2" x 1"	3" x 1"	P. Qty
	Art. No.	Art. No.	Art. No.	
60	672.035096	672.036096	672.037096	5
80	672.035098	672.036098	672.037098	
120	672.035091	672.036091	672.037091	
Max RPM	15,000	12,000	9,500	
Rec. RPM	7,500	6,000	4,700	

METRIC

Grit	30mm x 15mm x 6mm	40mm x 20mm x 6mm	60mm x 30mm x 6mm	P. Qty
	Art. No.	Art. No.	Art. No.	
60	672.010316	672.010426	672.010636	5
80	672.010318	672.010428	672.010638	
120	672.010311	672.010421	672.010631	
Max RPM	25,400	19,100	12,700	
Rec. RPM	12,000	9,600	6,300	

MANDRELS FOR CARTRIDGE ROLLS



Plated steel with a shank diameter to fit a variety of power tool chucks or collets.

For safety considerations, the mandrel pilot length used to drive a cartridge roll should measure at least 1/2" less than the overall length of the cartridge roll. Example: If a cartridge roll measures 2" in overall length, the corresponding mandrel should have a pilot length of no less than 1 1/2".

D1	O.A.L	A	B	D2	Art. No.	P. Qty
1/4"	4"	2-1/4"	1"	1/8"	588.200	1
	2-3/4"	1-1/4"	3/4"	3/16"	588.100	

CARTRIDGE ROLLS - ALUMINUM OXIDE



Also known as sanding rolls, tootsie rolls, or hard rolls. rolled strips of abrasives, designed for metal removal on curved surfaces.

Applications:

- Ideal for engine porting, including intake manifold, head and exhaust manifold. Removes burrs from carburetor base and carburetor parts. Ideal solution for hard to reach areas
- Multi-layer, multi-wear design exposes new abrasive cutting points throughout the life of the roll
- Flash removal, polishing, removing machine tool marks and edge breaking

Diameter	Length	Arbor Hole	Grit	Art. No.	P. Qty
3/8"	1-1/2"	1/8"	60	588.031	25
			80	588.032	
			120	588.033	
1/2"			40	588.040	
			60	588.041	
			80	588.042	
5/8"	1"	3/16"	80	588.050	



METAL POLISHING PADS - TYPE 'R'



Compatible with 3M Roloc™ System

Features:

- Excellent for restoring metal finishes on items too large to polish on a bench mounted polisher
- Allows the operator to polish with the same die grinder and holder pad they would normally use for surface conditioning and sanding discs
- Great final finishing on aluminum, brass and chrome

Applications:

- Used for polishing aluminum wheels, stainless steel tool boxes and running boards, chrome bumpers, brass fittings, chrome motorcycle exhaust, etc

Instructions:

- A metal polish or buffing compound must be applied to the disc prior to polishing any type of metal. The disc will not work without some sort of polishing agent
- Metal polish should be applied sparingly. If too much polish is used, the excess will fly off as soon as the disc is spun by the air tool, causing a mess
- Slow speed and light pressure should be used. Allow the disc and polish to do the work
- The disc can be cleaned of old polish residue by holding the tool at an angle and dragging a sharp tool, such as a screwdriver, across the face of the disc while it is spinning

Diameter	Max RPM	Art. No.	P. Qty
2"	20,000	585.3160	4
3"		585.3161	2

Use with: Type R Mandrel Art. No. 585.41 and 585.43

Product Tip: Begin polishing with Würth Buff and Blend and finish with this metal polishing pad.

BLENDING DRUMS



Blend, polish and clean steel, stainless steel, aluminum and brass.

Features:

- High quality fibres ensure a smooth, polished finish.

Advantages:

- The 4" width drums come with a dual 5/8-11 connection (one on each side). This allows the drum to be changed over to ensure even wear and to maximize service life

Applications:

- Blending, polishing, cleaning and brightening metal surfaces
- Suitable for use on hard plastics and wood
- Gently removes oxidation

Diameter (inches)	Width (inches)	Arbour	Dual Arbour Connection	Grit	Max RPM	Art. No.	P. Qty.
4-1/4	2	5/8-11	No	Coarse	5700	672.841221	1
				Medium		672.841222	
				Fine		672.841223	
	4		Yes	Coarse		672.850041	
				Medium		672.850042	
				Fine		672.850043	

BUFF & BLEND WHEELS



GRIT DEFINITION

120 Grit (Very fine blend): Blend minor surface imperfections

80 Grit (Very fine clean): Remove surface oxidation, coatings and rust. Surface preparation prior to coating.

60 Grit (Medium deburr): Remove part lines from castings, small burrs from threaded pipes, flash from plastic molded parts.

Benefits:

- Constructed of non-woven and aluminum oxide coated abrasive material
- High rate of cut while providing a uniform scratch pattern
- Smear-resistant formula
- Durable
- Permanently affixed 1/4" shank provides secure, safe and smooth running as well as ease of control
- Materials: ferrous, non-ferrous, aluminum, high nickel/chrome alloys and stainless steel

Applications:

- Designed for use on small straight pneumatic and electric grinders
- For removal of heavy oxidation prior to painting and/or plating
- For deburring and grain finishing stainless steel sheets after conventional coated abrasives
- For finishing stamped or extruded aluminum parts
- For satin finishing large surfaces
- For blending, cleaning and finishing on ferrous and non-ferrous materials when a linear scratch pattern is required and final finish is a primary concern

Features:

- Resists loading
- Cool running
- Long life

Materials:

- Ferrous
- Non-Ferrous
- Aluminum
- High Nickel / Chrome Alloys
- Stainless Steel

Diameter x Width x Shank	Abrasive Grit	Non-Woven	Max. RPM	Art. No.	P. Qty
2" x 1" x 1/4"	60	Medium	11,000	588.898000	2
	80			588.898001	
	120	Very Fine		588.898002	
	180			588.898003	
3" x 1" x 1/4"	120	Very Fine	8,000	588.898006	
	180			588.898007	
3" x 2" x 1/4"	60	Medium		588.898008	
	80			588.898009	
	180	Very Fine		588.898011	

CONTOUR SANDING PADS



Wood and metal sanding

- Aluminum oxide
- Abrasive paper and sanding block in one
- Adapts to any shape, making it highly versatile
- Can be re-used after rinsing with water
- Can be used on hard-to-reach areas
- Especially well-suited for flat sanding

Dimensions (mm)	Grain	Art. No.	P. Qty
125 x 100 x 10	60	587.0260	10
	80	587.0280	
	100	587.02100	
	120	587.02120	
	220	587.02220	

FOAM SANDING BLOCKS



Wood and metal sanding

- Aluminum oxide
- For dry sanding
- Made of flexible material, which allows it to adapt to any shape
- Can be re-used after rinsing with water

Dimensions (mm)	Grain	Art. No.	P. Qty
100 x 68 x 25	60	587.0160	10
	80	587.0180	
	100	587.01100	
	120	587.01120	
	160	587.01160	
	180	587.01180	
	220	587.01220	

FIBRATEX HAND PADS - 6" X 9"



Heavy Duty Coarse - Tan - Art. No. 585.23811

- Heavy duty aluminum oxide grain, extremely aggressive for paint removal and coarse finishing.

Coarse - Green - Art. No. 585.10889

- Industrial aluminum oxide grain for use on stainless steel. Great for heavy cleaning and food processing industry.

Medium - Maroon - Art. No. 585.10890

- Premium aluminum oxide grain for precision surface conditioning and a faster cut for scuffing, blending and paint preparation.

Fine - Grey - Art. No. 585.10891

- Silicon carbide grain used for fine finishing. Good for between finish coats as well as lacquer rubbing. Can be used wet.

Ultra-Fine - White - Art. No. 585.10892

- Non-abrasive pad used for light duty cleaning. No added grain makes it gentle on the workpiece. Great for light primer and rub down on paint over-spray removal.

Product Tip: Can be used wet or dry

NYLON ABRASIVE FLEECE



Product Tip: For use on soiled or greasy areas - use with Art. No. 890.113 W-Sol Residue Remover, or use with Industry Clean Art. No. 893.140

Applications:

- Pretreatment for painting
- Prepping and cleaning of Aluminum
- Grease removal and scuffing
- Stripe matting (decorative finish) of non-ferrous metals and stainless steel
- Polishing copper, brazed joints
- Touch up paint work
- Light rust removal
- Repair defects in surface coat
- Fine polishing of plastic parts
- Scuffing of thermal plastics

Grade	Comparable Grit	Reel Length	Reel Width	Art. No.
Very Coarse	100	5 m	4 1/2"	585.805100
Coarse	180			585.805180
Medium	280			585.805280
Ultra Fine	1000			585.805600

NYLON FIBRE DISCS



Diameter	Working Speed RPM	Art. No.	Arbor	Arbor Art. No.	P. Qty
4"	3,500-4,500	585.1100	6mm	585.11001	1
6"	2,500-3,000	585.1150	3/8"	-	
Replacement Arbor for Nylon Fibre Discs		585.11001			

- Silicon carbide nylon fibre disc (extra course)
- Suited to form all shapes and contours
- Produces even finish without scores or scratches
- Not affected by paint, rust particles, tin, underbody seal, or body sealants
- Free from corrosive metals
- Resistant to water and solvents
- Long tool life
- May be used wet or dry

Applications:

- Cleaning welding seams, metal surfaces, wood and plastic
- Removing tempering colour, scale, rust, corrosion, dirt and oxide layers, coatings, paints, old brushed-on coatings, synthetic resins, adhesives, gasket residues, cement and concrete residues
- Structuring, line matting, preparation and roughening up of surfaces
- Easy deburring
- Cleaning vehicle body

NYLON ABRASIVE FLEECE WITH SHANK



- Nylon fibre fleece with silicone carbide abrasive grain for an even finish
- Contains no corrodible metals
- Long tool life
- Suited for working on the cleaning of wheel housing, flanged edges of doors, trunks and hoods

Applications:

- Rust removal
- Suitable for removal of old paint, underbody protection and sealing compounds

Diameter	Shank	RPM	Art. No.	P. Qty
2-1/2"	1/4"	5,000-10,000	585.320	5

RED CERAMIC QUICK STRIP DISCS



Extremely fast cleaning and maximum service life when removing welding seams, scale corrosion and coatings.



Compatible with 3M Roloc™ System

Features:

- Ceramic grain

Advantages:

- High rate of material removal
- Long life due to self-sharpening grain
- Discs do not clog when sanding coatings, adhesives or soft metals

Applications:

- Cleaning and finishing welding seams, metal surfaces and plastics
- Cleaning vehicle underbodies and other body work
- Removing scale, corrosion, dirt and oxide layers, coatings, paints and dyes, old brushed-on coatings, synthetic resins, adhesives, gasket residues, cement and concrete residues.
- Materials to be processed: steel, stainless steel, aluminum, cast iron, fibreglass and composite materials.

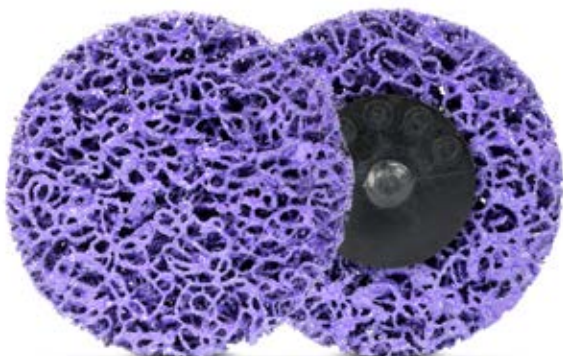
Diameter	Max. RPM	Art. No.	P. Qty
2"	13,000	673.22250	10
3"	11,000	673.22275	



For use on **Angle Grinder**

Diameter	Max. RPM	Art. No.	P. Qty
4-1/2"	12,000	585.333115	10
5"	12,000	585.333125	

PURPLE PRO QUICK STRIP DISCS



Diameter	Max. RPM	Art. No.	P. Qty.
2"	18,000	585.4160	10
3"	7800	585.4161	
4"	6000	585.4162	5



Compatible with 3M Roloc™ System

Features:

- Premium coarse silicon carbide grain

Advantages:

- Safer, faster and smoother finish than steel wire wheels and other silicon carbide discs
- More durable than the leading competitor brands, resulting in longer life of disc

Applications:

- Removal of rust, paint, bead sealer, seam sealer, body filler and vehicle undercoating
- Metal cleaning, stripping and surface preparation



Diameter	Max RPM	Art. No.	P. Qty
4-1/2"	11,000	585.222115	5
5"	9,800	585.222125	

For use on **Angle Grinder**

BLUE QUICK STRIP DISCS - TYPE 'R'



Compatible with 3M Roloc™ System

- Effective removal of rust, paint, graffiti, undercoating and metal cleaning prior to welding
- Safer and faster than steel wire wheels (Resists loading, even on soft material)
- Contains a coarse silicon carbide grain that promotes rapid removal of surface contaminants and leaves a smooth finish
- It is important that the disc be run flat and not at an angle

Safety Notes:

- Great care must be taken to operate at or below the listed RPM

Diameter	Max. RPM	Art. No.	P. Qty
2"	12,000	585.2160	10
3"	8,500	585.2161	5
4" x 1/4"	6,000	585.2162*	2
1/4" Arbor for Art. No. 585.2162		585.11002	1

* Item is not compatible with 3M Roloc™ System

RUBY PORTABLE SANDING BELTS



Perfect for woodworking. Special open-coat design prevents the material from loading-up and extends life of belt. The precisely made overlap joint reduces chatter marks.

Features:

- Premium heat-treated Aluminum Oxide resulting in a super tough, long lasting belts
- Ultra low-profile lap joint ensures low 'chatter' noise from the belt sander
- Special "Open-Grain" belt design reduces loading grid heat
- "X" weighted cloth for superior durability and performance

Technical Specifications:

- Aluminum Oxide Grain
- X - weight cloth backing
- Resin over Resin Bond
- Open Grain Coating
- Grit range 40-150

Application:

- Wood

Size	Grit	Art. No.	P. Qty
3" x 21"	40	675.040533	20
	60	675.060533	
	80	675.080533	
	100	675.100533	
	120	675.120533	
	150	675.150533	
4" x 24"	40	675.040610	
	60	675.060610	
	80	675.080610	
	100	675.100610	
	120	675.120610	
	150	675.150533	

CERAMIC FILE BELTS



Ceramic grain with cooling properties provides excellent stock removal extending the life of the belt.

Features:

- Ceramic grain
- Polyester backing
- Closed coating

Advantages:

- Excellent stock removal
- Long life due to self-sharpening grain
- Cool grinding performance

Applications:

- Spot weld removal and clean up
- Wet and dry grinding
- Steel, stainless steel, and heat sensitive alloys

Width	Length	Grit	Art. No.	P. Qty
1/2"	18"	36	672.419003	10
		80	672.419008	

SPEED-X NON-WOVEN BELTS



*Tool not included

Versatile non-woven belt suitable for the clean-up of spot welds, paint and rust in tight working areas

Features:

- Aluminum oxide grain
- Polyester backing available in sturdy or flexible

Advantages:

- Narrow belt allows access to hard-to-reach locations
- Suitable for dry and wet grinding
- High cut rate, reduced loading and low heat retention
- Long life

Applications:

- Steel, stainless steel, aluminum alloys, brass, bronze, plastic, nickel and titanium
- Removal of paint, seam sealer and adhesives
- Spot weld clean up
- Rust removal on sheet metal and vehicle brake component cleaning
- Surface conditioning and finishing
- Bumper repairs
- Gasket removal

Image	Width	Length	Type	Backing	Art. No.	P. Qty
A	1/2"	18"	Extra Coarse	Polyester Sturdy	585.716101	10
B			Coarse	Polyester Flexible	585.716100	

DECAL RESIDUE REMOVERS



Decal Residue Remover

For removing remains of adhesive and tapes from metal surfaces

Safety:

- Only use with slow running machines (**max. 2000 RPM**)
- Before first application roughen the edges of eraser (i.e on the clean edges of a work bench)

Observe running direction

- Opposite working direction
- Do not work on one place for too long, overheating may affect metal and paint. Wear protective goggles, ear plugs and gloves for personal safety when working (**Prefix 899**)

Pre Tests:

- On application on water-based paints there might be changes of the colours. Pre tests on invisible places are recommended.

Outside Diameter = 3 1/2"

Thickness = 5/8"

Description	Art. No.	P. Qty
Decal residue remover	585.90	1 pair
Decal residue remover - Metal arbor	585.93	

WIRE BRUSHES



Wire Bench Wheel

- Unique, flexible bristle pattern conforms to most shapes and profiles
- Designed to remove oxidation, adhesive, paint and various other coatings
- Excellent for wider surfaces where flexibility is required for preparing surfaces prior to welding
- High cut rate provides a clean, uniform finish
- Can be mounted in multiples

Diameter	Length	Material	Arbor Hole	Wire Size	RPM	Art. No.	P. Qty
8"	1-3/4"	Steel	1-1/4" Inc. 5/8" Adpt.	.020	4,500	714.6800	1



Wire Bench Wheel

- Unique, flexible bristle pattern conforms to most shapes and profiles
- Designed to remove oxidation, adhesive, paint and various other coatings
- Excellent for preparing surfaces prior to welding
- High cut rate provides a clean, uniform finish

Diameter	Length	Material	Arbor Hole	Wire Size	RPM	Art. No.	P. Qty
6"	1-3/4"	Steel	5/8-11 NC	.020	6,000	714.6900	1



Knot Wire Wheel Brush

- Surfaces preparation, cleaning grooves, T-connections and welded beads

Diameter	Length	Material	Arbor Hole	Wire Size	RPM	Art. No.	P. Qty
4"	7/8"	Steel	5/8-11 NC	.014	20,000	714.26359	1
		Stainless		.014 SS		714.26376	
		Steel		.020		714.26392	
		Stainless		.020 SS		714.26386	
5"	1"	Steel		.020	12,000	714.26256	

WIRE BRUSHES



Stringer Bead Wheel Brush

- Excellent for bead scale removal
- The small width of this brush allows it to be used in recessed areas such as welding junctions in pipeline fabrication

Diameter	Length	Material	Arbor Hole	Wire Size	RPM	Art. No.	P. Qty
4"	7/8"	Steel	5/8-11 NC	.020	20,000	714.26369	1
		Stainless				714.26399	
5"	1"	Steel			12,000	714.26495	
		Stainless				714.26468	
6"	1-1/2"	Steel				714.26032	
		Stainless				714.26112	



Safety Long Life Wire Brush (Mule Skinner)

- Ideal for the preliminary cleaning of metals which are intended to be painted or coated
- For the removal of slag, rust and paint
- High level of safety and long service life
- Even removal of material

Diameter	Material	Arbor Hole	Wire Size	RPM	Art. No.	P. Qty
60 mm	Corrugated Steel Wire, Brass Coated, bound in Plastic	13 mm	0.3 mm	12,500	714.6907	1



Arbor for Mule Skinner

Art. No. 714.6908

- For Safety Longlife Brush



Wire Brush with Shank

- Oil hardened cast steel wire
- Right braided
- For removal of rust, paint, scale, welding residue and underbody seal

Diameter	Material	Wire Size	RPM	Art. No.	P. Qty
3"	Braided Steel	.05 mm	20,000	714.6906	1



Wire Brush with Shank

- For light duty deburring and rust removal work
- Particularly well suited for automotive applications, cleaning of weldings

Diameter	Material	Wire Size	RPM	Art. No.	P. Qty
1 1/2"	Steel Wire, Corrugated	0.2 mm	18,000	714.6910	1
2 3/8"		0.3 mm	15,000	714.6911	



Surface Brush with Shank

- For grinding of large surfaces.

Diameter	Shank	Material	Wire Size	RPM	Art. No.	P. Qty
60 mm	6 mm	Crimped Steel	0.3 mm	4,500	714.6912	2
70 mm					714.6913	

WIRE BRUSHES



Knot Wire cup brush

- For heavy-duty cleaning of large metal surfaces and specially designed for use on portable tools

Diameter	Length	Material	Arbor Hole	Wire Size	RPM	Art. No.	P. Qty
6"	1-3/4"	Steel	5/8-11"	.020	6,000	714.33015	1



Knot Style cup brush

- High speed small grinder knot wire cup brush

Diameter	Length	Material	Arbor Hole	Wire Size	RPM	Art. No.	P. Qty
2-3/4"	7/8"	Stainless Steel	5/8-11"	.020	14,000	714.33467	1
3-1/2"		Steel			12,500	714.33000	
		Stainless Steel			12,500	714.33001	



Braided Steel Wire Pot Brush

- Ideal for the preliminary cleaning of metals
- For the removal of slag, rust and paint

Diameter	Thread	Wire Size	RPM	Art. No.	P. Qty
70 mm	M14	0.5 mm	12,500	714.6901	1
2-3/4"	5/8-11"			714.6958	



Knot Wire End Brushes - Steel

- Spot cleaning or facing; removal of slag, rust or scale; cleaning pipe inner diameter; deburring or flash removal; cleaning dies, molds and tooling; pipeline cleaning. Can be used on CNC equipment.

Diameter	Length	Shaft Diameter	Wire Size	RPM	Art. No.	P. Qty
1/2"	1-1/8"	1/4 "	0.006	22,000	714.30002	1
			0.014		714.30005	
3/4"			0.006	20,000	714.30008	
			0.014		714.30011	
			0.104		714.30016	
1"			0.014		714.30017	



Knot Wire End Brushes - Stainless Steel

- Spot cleaning or facing; removal of slag, rust or scale; cleaning pipe inner diameter; deburring or flash removal; cleaning dies, molds and tooling; pipeline cleaning.

Diameter	Length	Shaft Diameter	Wire Size	RPM	Art. No.	P. Qty
1/2"	1-1/8"	1/4"	.014	22,000	714.30429	1
3/4"				20,000	714.30435	
1"	1"				714.30441	

HAND WIRE BRUSHES



Hand Brush
Art. No. 697.4

- Made of 4 rows of 0.35 mm plain steel wire
- 1 per Package



Small Clean Brush

- Ideal for the cleaning of metals in hard to reach places
- For the removal of slag, rust and paint
- Plastic handle

Brush Width	Length	Material	Art. No.	P. Qty
3/8"	7-1/4"	Stainless Steel Wire	714.83111	2
		Brass Wire	714.83112	



Acid/Flux Brush Horsehair

For cleaning inside and outside diameters of tubes and fittings.

Size	Art. No.	P. Qty
3/8"	714.74060	4
9/16"	714.74062	

FLEXIBLE EXTENSIONS AND 1/4" DRIVE HANDLE FOR BORE BRUSHES



Art. No. 715.0105

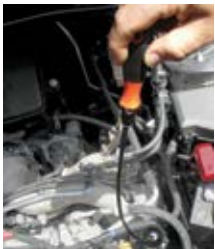
The 1/4" drive handle combined with flexible extensions, give easy access for hard to reach places, all in one deluxe kit.

Features:

- 1/4" Driver with quick lock adapter
- Quick-locking/disconnect
- 1/4" female hex drive
- Non-slip grip handle
- Compact design
- The 1/4" female coupler uses a set screw to prevent a brush or similar type tool from slipping
- Perfect for accessing hard to reach transmission valve bodies, oil galleries and EGR ports

Set Includes:

3 flexible extensions (6", 12" and 18")
1/4" drive handle



PROFESSIONAL BORE BRUSH SET - 36 PIECES



Quick Release Driver
with Ergonomic
Handle

Art. No. 715.010

This 36 piece bore brush set is designed for the professional technician who needs the right tool for the job.

Twisted wires for increased cleaning function.

Applications:

Clean bushings, ports, tubes, holes, channels, sockets, brake guides and other general wire brush applications.

The kit includes:

- 36 brushes: 12 Stainless Steel, 12 Brass and 12 Nylon (8 mm - 19 mm with 1/4" Hex Shank)
- 1/4" Head Driver with locking bit
- 12" flexible extension

Used in:

- Automotive
- Industrial
- MRO Industries
- Detailing
- Agriculture

WIRE BRUSH ASSORTMENT - 6 PIECES



Durable, abrasive, 6-piece bore brush set features the most common sizes for cleaning tubes, ports, bearings and other general wire brush applications.

Features:

- Durable abrasive bore brushes
- 6 piece set (8,10,12,15,17 and 19mm sizes) 1/4" Hex shank
- Use on ports, tubes, bearings and other common wire brush applications
- Do not exceed 600 rpm

Applications:

Stainless steel

- Stainless steel twisted wire gives it extra strength to increase cleaning action.
- Perfect to clean steel parts (like EGR valve ports)

Brass

- These brushes are designed to clean aluminum parts

Nylon

- These brushes are designed to clean sensitive parts, plastic parts, and are also perfect for the detailing industry

Description	Art. No.
Stainless Steel Wire Brush Assortment - 6 pcs.	715.0101
Brass Wire Brush Assortment - 6 pcs.	715.0102
Nylon Wire Brush Assortment - 6 pcs.	715.0103

BRISTLE TYPE DISC



Applications:

- Head gaskets/gasket removal, rust removal, adhesive & paint removal, surface preparation

Abrasive disc designed to fit the Type 'R' Mandrel. The bristles (which are impregnated with ceramic grit) eat up rust, adhesive or paint residue, leaving a smooth surface with no marks. The open design prevents clogging and fragment fly-off during work.

Description	Diameter (in.)	Grit	Art. No.	P. Qty
Green Coarse	1"	50	585.5110	2
Yellow Medium		80	585.5120	
White Fine		120	585.5130	
Green Coarse	2"	50	585.5210	1
Yellow Medium		80	585.5220	
White Fine		120	585.5230	
Green Coarse	3"	50	585.5310	1
Yellow Medium		80	585.5320	
White Fine		120	585.5330	

SPOT SANDING PEN WITH GLASS FIBERS

Art. No. 715.18335



Features:

- Can thoroughly clean rust, dirt or wax from any tight corner, crevice or hard to reach spot with 20,000 glass fibres in a pen point
- Fibres are finer than human hair yet stronger than steel when it comes to cleaning power

Characteristics:

- Sand paper can be too rigid to directly contact and clean the contours of inside edges, thus conventional sanding only cleans the high spots. The Würth spot sanding pen is designed with glass fibres that can be extended out (by turning) to ensure even the smallest recesses get cleaned.

MULTI-SURFACE SANDPAPER TRIANGLE



Dry sanding of edges, rims and flat areas of veneers and solid wood.

Wood sanding

- Aluminum oxide
- Hook & loop
- Dry sanding
- Uniform finish without scratching
- Aggressive initial and long-term sanding
- Long service life

Applications:

- Treated and untreated hardwood and softwood, fillers, plastics, plasterboards, paints, hard and soft paint systems and mineral materials (artificial stone)

Dimensions (mm)	Grain	Art. No.	P. Qty
90 x 90 x 90	40	581.22040	25
	60	581.22060	
	80	581.22080	
	100	581.220100	
	120	581.220120	
	150	581.220150	
	180	581.220180	
	220	581.220220	
	240	581.220240	

ARIZONA PERFECT SANDPAPER



For paint repair work requiring fine sanding. Fast, convenient sanding of hard-to-reach areas, edges and curves.

1 package = 200 hand pads

Fast, flexible and safe:

- Highly flexible finishing paper on foam backing
- Fits tight spaces, curvatures and recesses
- Smooth, clean finish

Technical Specifications	
Carrier Material	Highly flexible finishing paper on foam
Bond	Synthetic Resin
Coating	Stearate Coating
Abrasive Grain	Aluminum Oxide
Scattering	Half Open
Colour	Sand Yellow
Form	Perforated Rolls

Grit	Width x Length	Art. No.	P. Qty.
240	115mm x 25m	5506.442124	1
400		5506.442140	
600		5506.442160	
800		5506.442180	
1000		5506.442111	

EMERALD FILM SANDING DISC



Emerald Film is a film backed sanding disc coated with premium aluminum oxide for superior performance with extended service life by reducing problems with tearing (available in Hook and Loop and PSA)

Features:

- Film-backing instead of standard paper-backing
- Superb moisture resistance, flexibility, and ruggedness
- Heat-treated aluminum oxide ensuring outstanding performance
- Open-grain design to reduce heat and clogging (loading up)

- 100% waterproof – perfect for wet or dry sanding applications
- Film-backing outlasts paper resulting in less disc usage

Applications:

- Automotive, wood, metal, marine, aerospace

Technical Specifications	
Grain	Premium Aluminum Oxide
Backing	Polyester Film
Bond	Phenolic Resin
Coating	Open Coat

Sizes	Hole Pattern	Attachment Type	Grit	Art. No.	P. Qty.
5"	No Hole	PSA	80	8506.342208	100
			100	8506.342210	
			120	8506.342212	
			150	8506.342215	
			180	8506.342218	
			220	8506.342222	
			240	8506.342224	
			280	8506.342228	
6"	No Hole	PSA	320	8506.342320	100
			80	8506.343208	
			100	8506.343210	
			120	8506.343212	
			150	8506.343215	
			180	8506.343218	
			220	8506.343222	
			240	8506.343224	
6"	No Hole	Hook & Loop	280	8506.343228	100
			320	8506.343232	
			80	8506.343008	
			100	8506.343010	
			120	8506.343012	
			150	8506.343015	
			180	8506.343018	
			220	8506.343022	
6"	No Hole	Hook & Loop	240	8506.343024	100
			280	8506.343028	
			320	8506.343032	
			80	8506.343008	
			100	8506.343010	
			120	8506.343012	
			150	8506.343015	
			180	8506.343018	

Sizes	Hole Pattern	Attachment Type	Grit	Art. No.	P. Qty.
5"	No Hole	Hook & Loop	80	8506.342008	100
			100	8506.342010	
			120	8506.342012	
			150	8506.342015	
			180	8506.342018	
			220	8506.342022	
			240	8506.342024	
			280	8506.342028	
6"	No Hole	Hook & Loop	320	8506.342032	100
			80	8506.343008	
			100	8506.343010	
			120	8506.343012	
			150	8506.343015	
			180	8506.343018	
			220	8506.343022	
			240	8506.343024	
6"	No Hole	Hook & Loop	280	8506.343028	100
			320	8506.343032	
			80	8506.343008	
			100	8506.343010	
			120	8506.343012	
			150	8506.343015	
			180	8506.343018	
			220	8506.343022	

RAZER GOLD DISCS - HOOK & LOOP

5" No Hole Hook & Loop



Grit	Art No.	P. Qty
40	562.540	50
60	562.560	
80	562.580	100
100	562.5100	
120	562.5120	
150	562.5150	
180	562.5180	
220	562.5220	
280	562.5280	
320	562.5320	
400	562.5400	
600	562.5600	
800	562.5800	
800	562.5800SC*†	
1200	562.51200*†	
1500	562.51500*†	
3000	562.53000*†	

6" No Hole Hook & Loop



Grit	Art No.	P. Qty
40	564.640	50
60	564.660	
80	564.680	100
100	564.6100	
120	564.6120	
150	564.6150	
180	564.6180	
220	564.6220	
240	564.6240	
320	564.6320	
400	564.6400	
600	564.6600	
800	564.6800	
800	564.6800SC*†	
1200	564.61200†	
1500	564.61500†	
3000	564.63000†	

5" 5 Hole Hook & Loop



Grit	Art No.	P. Qty
40	562.5..540	50
60	562.5..560	
80	562.5..580	100
100	562.5..5100	
120	562.5..5120	
150	562.5..5150	
180	562.5..5180	
220	562.5..5220	
280	562.5..5280	
320	562.5..5320	
400	562.5..5400	
600	562.5..5600	
800	562.5..5800	
800	562.5..5800SC*†	
1200	562.5..51200*†	

6" 6 Hole Hook & Loop



Grit	Art No.	P. Qty
40	564.6..640	50
60	564.6..660	
80	564.6..680	100
100	564.6..6100	
120	564.6..6120	
150	564.6..6150	
180	564.6..6180	
220	564.6..6220	
320	564.6..6320	
400	564.6..6400	
600	564.6..6600	
800	564.6..6800	
800	564.6..6800SC*†	
1200	564.6..61200*†	

5" 8 Hole Hook & Loop



Grit	Art No.	P. Qty
40	562.8..540	50
60	562.8..560	
80	562.8..580	100
100	562.8..5100	
120	562.8..5120	
150	562.8..5150	
180	562.8..5180	
220	562.8..5220	
280	562.8..5280*	
320	562.8..5320	
400	562.8..5400	
600	562.8..5600*	
800	562.8..5800	
800	562.8..5800SC*†	
1200	562.8..51200*†	

6" 8 Hole Hook & Loop



Grit	Art No.	P. Qty
40	564.8..640*	50
60	564.8..660*	
80	564.8..680*	100
100	564.8..6100*	
120	564.8..6120*	
150	564.8..6150*	
180	564.8..6180*	
220	564.8..6220*	
320	564.8..6320*	
400	564.8..6400	
600	564.8..6600	
800	564.8..6800*	
1200	564.8..61200*†	

* Available OnDemand

† Silicon Carbide grain (colour will be grey/blue) Ideal for wet sanding.

RAZER GOLD DISCS - PSA

5" No Hole PSA



Grit	Art No.	P. Qty
40	563.540	50
60	563.560	
80	563.580	
100	563.5100	100
120	563.5120	
150	563.5150	
180	563.5180	
220	563.5220	
240	563.5240	
280	563.5280	
320	563.5320	
400	563.5400	
600	563.5600	
800	563.5800	
800	563.5800SC*†	
1200	563.51200*†	
1500	563.51500*†	
3000	563.53000*†	

6" No Hole PSA



Grit	Art No.	P. Qty
40	565.640	50
60	565.660	
80	565.680	
100	565.6100	100
120	565.6120	
150	565.6150	
180	565.6180	
220	565.6220	
240	565.6240	
320	565.6320	
400	565.6400	
600	565.6600	
800	565.6800	
800	565.6800SC*†	
1200	565.61200*†	
1500	565.61500*†	
3000	565.63000*†	

5" 5 Hole PSA



Grit	Art No.	P. Qty
40	563.5..540*	50
80	563.5..580*	
100	563.5..5100*	
120	563.5..5120*	100
150	563.5..5150	
180	563.5..5180*	
220	563.5..5220*	
280	563.5..5280*	
320	563.5..5320*	
400	563.5..5400*	
500	563.5..5500*	
600	563.5..5600*	
800	563.5..5800*	
800	563.5..5800SC*†	
1200	563.5..51200*†	

6" 6 Hole PSA



Grit	Art No.	P. Qty
40	565.6..640*	50
60	565.6..660*	
80	565.6..680*	
100	565.6..6100*	100
120	565.6..6120*	
150	565.6..6150*	
180	565.6..6180*	
220	565.6..6220*	
280	565.6..6280*	
320	565.6..6320*	
400	565.6..6400*	
600	565.6..6600*	
800	565.6..6800*	
800	565.6..6800SC*†	
1200	565.6..61200*†	

5" 8 Hole PSA



Grit	Art No.	P. Qty
40	563.8..540*	50
60	563.8..560*	
80	563.8..580*	
100	563.8..5100*	100
120	563.8..5120*	
150	563.8..5150*	
180	563.8..5180*	
220	563.8..5220*	
280	563.8..5280*	
320	563.8..5320*	
400	563.8..5400*	
600	563.8..5600*	
800	563.8..5800*	
800	563.8..5800SC*†	
1200	563.8..51200*†	

6" 8 Hole PSA



Grit	Art No.	P. Qty
40	565.8..640*	50
60	565.8..660*	
80	565.8..680*	
100	565.8..6100*	100
120	565.8..6120*	
150	565.8..6150*	
180	565.8..6180*	
220	565.8..6220*	
280	565.8..6280*	
320	565.8..6320*	
400	565.8..6400*	
600	565.8..6600*	
800	565.8..6800*	
1200	565.8..61200*†	

* Available OnDemand

† Silicon Carbide grain (colour will be grey/blue) Ideal for wet sanding.

RAZER GOLD SHEETS

9" x 11" Sheets



Aluminum Oxide

Grit	Art No.	P. Qty
40	566.911.40	25
60	566.911.60	
80	566.911.80	
100	566.911.100	
120	566.911.120	
150	566.911.150	
180	566.911.180	
220	566.911.220	
240	566.911.240	
320	566.911.320	
400	566.911.400	
600	566.911.600	
1500	566.911.1500	
2000	566.911.2000*	
2500	566.911.2500*	

Wet/Dry Silicon Carbide

Grit	Art No.	P. Qty
220	566.W911.220*	25
1200	566.W911.1200	
1500	566.W911.1500*	
3000	566.W911.3000	

Applications:

Shaping and finishing, dry paint sanding, between colour-coat sanding, primer, deburring, removing scratches, feather edging.

* Available by Special Order

† Silicon Carbide grain (colour will be grey/blue) Ideal for wet sanding.

RAZER GOLD SPEEDFILE

Speedfile Sheets



16" X 3" Hook & Loop

Grit	Art No.	P. Qty
40	567.1640	50
60	567.1660	
80	567.1680	
100	567.16100	
120	567.16120	
150	567.16150	
180	567.16180	
220	567.16220	
240	567.16240	
280	567.16280	
320	567.16320	
400	567.16400	
600	567.16600	

17-1/4" X 3-3/4" Plain Backing

Grit	Art No.	P. Qty
40	567.1740	50
60	567.1760	
80	567.1780	
100	567.17100	
120	567.17120	
180	567.17180	
320	567.17320	
600	567.17600	

Applications:

Shaping and finishing, dry paint sanding, primer sanding, deburring, removing scratches, feather edging.

RAZER GOLD SANDPAPER - BACKING PADS



Description	Attachment	Firmness	Art No.
5" No Hole	Hook & Loop	HARD	586.5.VH
		MED/SOFT	586.5.VMS
	PSA	HARD	586.5.PH
		MED/SOFT	586.5.PMS
5" 5 Hole	Hook & Loop	HARD	586.55.VH*
		MED/SOFT	586.55.VMS*
	PSA	HARD	586.55.PH*
		MED/SOFT	586.55.PMS*
5" 8 Hole	Hook & Loop	HARD	586.58.VH*
		MED/SOFT	586.58.VMS*
	PSA	HARD	586.58.PH*
		MED/SOFT	586.58.PMS*
6" No Hole	Hook & Loop	HARD	586.6.VH
		MED/SOFT	586.6.VMS
	PSA	HARD	586.6.PH
		MED/SOFT	586.6.PMS
6" 6 Hole	Hook & Loop	HARD	586.66.VH
		MED/SOFT	586.66.VMS
	PSA	HARD	586.66.PH*
		MED/SOFT	586.66.PMS*
6" 8 Hole	Hook & Loop	HARD	586.68.VH*
		MED/SOFT	586.68.VMS*
	PSA	HARD	586.68.PH*
		MED/SOFT	586.68.PMS*

* Available OnDemand

Recommended:

6" Heavy Duty Orbital Sander **Art. No. 703.307**

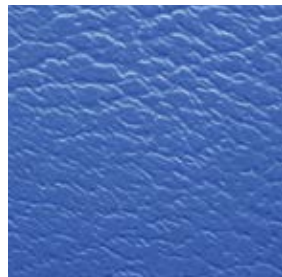


Made of professional grade molded urethane, Razer Gold backing pads are the ideal size, weight, and balance, ensuring unbeatable performance every time. While most brands use a 3-stud rivet system, Würth Razer Gold Backing Pads feature a 4-stud assembly for superior strength and balance.

Composed of industry leading thermal fibreglass, these pads resist heat, flexing, impact and overall sanding abuse. Our PSA backing is one of the heaviest and most durable on the market, while the hook and loop system of our Velour style pads is top rated when it comes to strength and melting point.

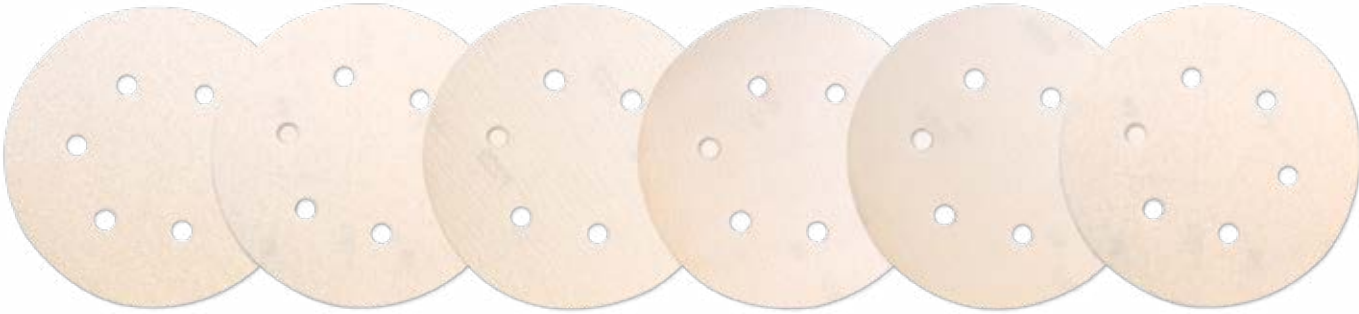


Hook & Loop



PSA

RAZER GOLD SAMPLE KITS



5" No Hole Hook & Loop

Art. No. 562.KIT5NHV*

Contents:

Grit	Art No.	P. Qty
80	562.580	20
120	562.5120	
220	562.5220	
320	562.5320	
400	562.5400	
600	562.5600	

5" No Hole PSA

Art. No. 563.KIT5NHP*

Contents:

Grit	Art No.	P. Qty
80	563.580	20
120	563.5120	
220	563.5220	
320	563.5320	
400	563.5400	
600	563.5600	

5" 5 Hole Hook & Loop

Art. No. 562.KIT55HV*

Contents:

Grit	Art No.	P. Qty
80	562.5..580	20
120	562.5..5120	
220	562.5..5220	
320	562.5..5320	
400	562.5..5400	
600	562.5..5600	

5" 5 Hole PSA

Art. No. 563.KIT55HP*

Contents:

Grit	Art No.	P. Qty
80	563.5..580	20
120	563.5..5120	
220	563.5..5220	
320	563.5..5320	
400	563.5..5400	
600	563.5..5600	

6" No Hole PSA

Art. No. 565.KIT6NHP*

Contents:

Grit	Art No.	P. Qty
80	565.680	20
120	565.6120	
220	565.6220	
320	565.6320	
400	565.6400	
600	565.6600	

6" 6 Hole Hook & Loop

Art. No. 564.KIT66HV*

Contents:

Grit	Art No.	P. Qty
80	564.6..680	20
120	564.6..6120	
220	564.6..6220	
320	564.6..6320	
400	564.6..6400	
600	564.6..6600	

6" 6 Hole PSA

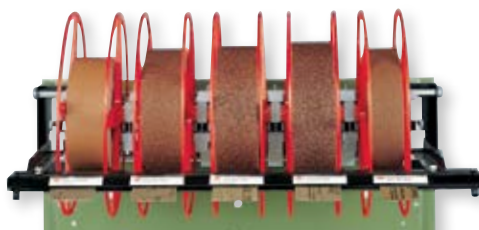
Art. No. 565.KIT66HP*

Contents:

Grit	Art No.	P. Qty
80	565.6..680	20
120	565.6..6120	
220	565.6..6220	
320	565.6..6320	
400	565.6..6400	
600	565.6..6600	

* Available OnDemand

ORSY 10 EMERY CLOTH

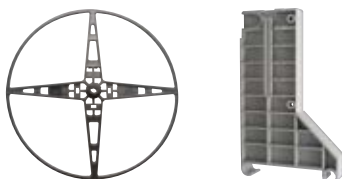


- Grits meet international FEPA standards
- The high-grade corundum (exceptionally pure aluminum oxide) is blended with tough bauxite emery
- Special high quality glue guarantees maximum grain adhesion
- The backing strip is made from tear resistant long fibre cotton
- Ideal for grinding and polishing work

Grit	Width		Length (metres)	Art. No.	P. Qty.
	mm	inch			
40	30	1-1/4"	19	674.93040	1 Roll
50	30	2"	20	674.93050	
	50	2"		674.95050	
80	30	1-1/4"	25	674.93080	
	40	1-1/2"		674.94080	
	50	2"		674.95080	
120	30	1-1/4"	28	674.930120	
	50	2"		674.950120	
180	50	2"		674.950180	
	30	1-1/4"		674.930180	
320	50	2"		674.950320	
400	50	2"		674.950400	

Recommended:
Empty Dispenser **Art. No. 956.1090**

REPLACEMENT PARTS FOR ORSY 10 EMERY CLOTH REEL SYSTEM



Description	Art. No.	P. Qty
Replacement Star Small	956.10901	1
Replacement Star Large	956.10902	
Replacement Coil Holder	956.10903	

EMERY PAPER - 9" X 11"



Features:

- Natural emery abrasive
- Flexible cotton backing allows for easy manipulation of shapes and contours

Applications:

Used for removing light burrs and cleaning and polishing metals. May be used dry or with oil.

Description	Grit	Art. No.	P. Qty
Coarse	80	570.10887	50
Medium	120	570.10886	
Fine	180	570.10885	

STANDARD ABRASIVE ASSORTMENT



Art. No. 965.585100 - 61 pcs.

Art. No.	Description	Qty.
578.607660	MINI FLAP DISC, ZIRCONIA - TYPE R - 3" 60G	2
585.2210	MINI RESIN FIBRE DISC, ZEE SUPREME - TYPE R - 2" 24G	5
585.41	TYPE R DISC HOLDER/MANDREL - 2"	1
585.4161	QUICK STRIP PURPLE PRO - TYPE R - 3"	2
585.4209	SURFACE CONDITIONING DISC - TYPE R - 2" EXTRA COARSE	5
585.4210	SURFACE CONDITIONING DISC - TYPE R - 2" COARSE	10
585.4211	SURFACE CONDITIONING DISC - TYPE R - 2" MEDIUM	5
585.4230	SURFACE CONDITIONING DISC - TYPE R - 2" FINE	5
585.43	TYPE R DISC HOLDER/MANDREL - 3"	1
585.4320	SURFACE CONDITIONING DISC - TYPE R - 3" MEDIUM	5
585.598422	Q-CHANGE POWER ZIRCONIA DISC - TYPE R - 2" 36G	5
585.6336	MINI RESIN FIBRE DISC, A/O - TYPE R - 3" 36G	5
585.7225	MINI RESIN FIBRE DISC, CERAMIC - TYPE R - 2" 50G	5
672.010318	FAN GRIND WHEEL A/O - 30MM x 15MM x 6MM 80G	5

PREMIUM ABRASIVE ASSORTMENT



Art. No. 965.585200 - 85 pcs.

Art. No.	Description	Qty.
585.2161	BLUE QUICK STRIP DISC - TYPE R - 3"	5
585.2225	MINI RESIN FIBRE DISC, ZEE SUPREME - TYPE R - 2" 50G	5
585.320	NYLON FLEECE WHEEL WITH SHANK - 2-1/2"	5
585.3315	MINI RESIN FIBRE DISC, ALUMAX - TYPE R - 3" 36G	5
585.41	TYPE R DISC HOLDER/MANDREL - 2"	1
585.4160	QUICK STRIP PURPLE PRO - TYPE R - 2"	5
585.4209	SURFACE CONDITIONING DISC - TYPE R - 2" EXTRA COARSE	5
585.4211	SURFACE CONDITIONING DISC - TYPE R - 2" MEDIUM	5
585.43	TYPE R DISC HOLDER/MANDREL - 3"	1
585.598422	Q-CHANGE POWER ZIRCONIA DISC - TYPE R - 2" 36G	5
585.598528	Q-CHANGE POWER ZIRCONIA DISC - TYPE R - 3" 120G	5
585.6224	MINI RESIN FIBRE DISC, A/O - TYPE R - 2" 24G	5
585.7235	MINI RESIN FIBRE DISC, CERAMIC - TYPE R - 2" 80G	5
585.936	TRIM-CUT GRINDING DISC, A/O - 3" 36G	5
585.94320	TRIM-CUT SURFACE CONDITIONING DISC - 3" MEDIUM	5
588.032	CARTRIDGE ROLL, A/O - 3/8" x 1-1/2" x 1/8" 80G	5
588.200	MANDREL FOR CARTRIDGE ROLL - D 1/8" x L 4"	1
672.010316	FAN GRIND WHEEL A/O - 30MM x 15MM x 6MM, 60G	5
673.22275	RED CERAMIC QUICK STRIP DISC - 3"	5
715.5859	1/4" MANDREL FOR TRIM-CUT DISC	2

ABRASIVE STARTER ASSORTMENT



Art. No. 965.585600 - 133 pcs.

Art. No.	Description	Qty.
585.2160	BLUE QUICK STRIP DISC - TYPE R - 2"	10
585.41	TYPE R DISC HOLDER/MANDREL - 2"	1
585.4210	SURFACE CONDITIONING DISC - TYPE R - 2" COARSE	50
585.6236	mini resin fibre disc, A/O - type r - 2" 36 grit	5
588.031	CARTRIDGE ROLL A/O - 3/8" X 1-1/2" X 1/8" - 60 GRIT	5
670.7515	CUT OFF DISC, A/O - 3" x 1/16" x 3/8"	10
672.010316	FAN GRIND WHEEL, A/O - 30MM x 15MM x 6MM, 60 GRIT	5
714.30016	1" KNOTTED END BRUSH - 0.01 WIRE	2

2" SUPREME ABRASIVE ASSORTMENT



Art. No. 965.585500 - 100 pcs.

Art. No.	Description	Qty.
585.2215	MINI RESIN FIBRE DISC, ZEE SUPREME - TYPE R - 2" 36 GRIT	25
585.2230	MINI RESIN FIBRE DISC, ZEE SUPREME - TYPE R - 2" 60 GRIT	
585.598422	Q-CHANGE POWER ZIRCONIA DISC - TYPE R - 2" 36 GRIT	
585.598425	q-change power zirconia disc - type R - 2" 60 GRIT	

2" CARGO ABRASIVE ASSORTMENT



Art. No. 965.585300 - 200 pcs.

Art. No.	Description	Qty.
585.4210	SURFACE CONDITIONING DISC - TYPE R - 2" COARSE	50
585.4211	SURFACE CONDITIONING DISC - TYPE R - 2" MEDIUM	
585.6224	MINI RESIN FIBRE DISC, A/O - TYPE R - 2" 24 GRIT	
585.6236	MINI RESIN FIBRE DISC, A/O - TYPE R - 2" 36 GRIT	

3" CARGO ABRASIVE ASSORTMENT



Art. No. 965.585400 - 100 pcs.

Art. No.	Description	Qty.
585.4310	SURFACE CONDITIONING DISC - TYPE R - 3" COARSE	25
585.4320	Surface conditioning disc - type R - 3" Medium	
585.6324	MINI RESIN FIBRE DISC, A/O - TYPE R - 3" 24 GRIT	
585.6336	MINI RESIN FIBRE DISC, A/O - TYPE R - 3" 36 GRIT	

MINI ABRASIVE ASSORTMENT



Art. No. 965.5850

Description	Qty	Art. No.
Surface Conditioning Disc Type R 2" extra coarse	10	585.4209
Surface Conditioning Disc Type R 2" coarse		585.4210
Surface Conditioning Disc Type R 2" medium		585.4211
Surface Conditioning Disc Type R 2" fine		585.4230
Surface Conditioning Disc Type R 3" coarse		585.4310
Surface Conditioning Disc Type R 3" medium		585.4320
A/O Type R Mini Resin Fibre Disc 2" 24 g		585.6224
A/O Type R Mini Resin Fibre Disc 2" 36 g		585.6236
A/O Type R Mini Resin Fibre Disc 2" 50 g		585.6250
A/O Type R Mini Resin Fibre Disc 2" 120 g		585.62120
A/O Type R Mini Resin Fibre Disc 3" 24 g		585.6324
A/O Type R Mini Resin Fibre Disc 3" 36 g		585.6336
A/O Type R Mini Resin Fibre Disc 3" 50 g		585.6350
A/O Type R Mini Resin Fibre Disc 3" 120 g		585.6399
Fan Grind Wheel 40 x 20 (80 grit)		672.010428
Fan Grind Wheel 40 x 20 (60 grit)		672.010426
Cut Off Wheel 3 1/8" x 1/16"	1	670.7515
Type R Mandrel 2"		585.41
Type R Mandrel 3"		585.43

AUTOMOTIVE ABRASIVE ASSORTMENT



Art. No. 965.588 - 150 pcs

Comes with a 1/4" Medium Die Grinder

Description	Qty	Art. No.
Surface Conditioning Disc Type R 2" extra coarse	5	585.4209
Surface Conditioning Disc Type R 2" coarse		585.4210
Surface Conditioning Disc Type R 2" medium		585.4211
Surface Conditioning Disc Type R 2" fine		585.4230
Surface Conditioning Disc Type R 3" coarse		585.4310
Surface Conditioning Disc Type R 3" medium		585.4320
A/O Type R Mini Resin Fibre Disc 2", 24 g		585.6224
A/O Type R Mini Resin Fibre Disc 2", 36 g		585.6236
A/O Type R Mini Resin Fibre Disc 2", 50 g		585.6250
A/O Type R Mini Resin Fibre Disc 2", 120 g		585.62120
A/O Type R Mini Resin Fibre Disc 3", 24 g		585.6324
A/O Type R Mini Resin Fibre Disc 3", 36 g		585.6336
A/O Type R Mini Resin Fibre Disc 3", 50 g	25	585.6350
A/O Type R Mini Resin Fibre Disc 3", 120 g		585.6399
A/O Cartridge roll 3/8" x 1 1/2" x 1/8" (80 grit)		588.032
A/O Cartridge roll 3/8" x 1 1/2" x 1/8" (120 grit)	1	588.033
A/O Cartridge roll 1/2" x 1 1/2" x 1/8" (80 grit)		588.042
Type R Mandrel 2"	1	585.41
Type R Mandrel 3"		585.43
Cartridge Mandrel 2-3/4"		588.100
Cartridge Mandrel 4"		588.200
1/4" Medium Die Grinder		703.210

16 - Compartment drawer Art. No. 955.916

ORSY RACK FOR CUTTING/GRINDING WHEELS



Art. No. 961.9102

20" x 29" x 9" (W x H x D)