



CLYDE

The Product Catalogue

CUTTING / Freehand cutting discs extra thin



RHODIUS[®]
MADE IN GERMANY

Introducing

HYDROPROTECT



ANOTHER FIRST FOR RHODIUS!

Our innovation blocks moisture for a longer-lasting improved power.

Even when they are not in use: resin-bonded wheels age and their performance diminishes over time. During the storage of wheels, moisture penetrates between the bond matrix and the abrasive grains and weakens the bond. Rhodius has come up with a formula, HydroProtect that slows down the aging process by inhibiting the absorption of moisture for up to 10 months keeping the performance of the wheels almost constant after months of storage. This keeps the cutting performance at a permanently high level from the manufacture of the wheel through to the actual time of use.

Products in the HydroProtect line are XT8 EXACT, XT35 CROSS, XT10, XT20, XT38, XT67 and XT24. Get that extra protection for your performance!



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PRO Flexx
Arc
Grind

More products for the professional	51-63
Fibre discs, Flap wheels, Finishing wheels, scuffing discs, QC Abrasive discs, Backing pads, Shop rolls, Paint markers, Carbide burrs, Mounted points, Wire brushes.	

APPLICATION MATRIX

Quality	BRAINTOOLS®	TOP LINE	PRO LINE	ALPHA LINE
Xtra Thin				
Cutting steel/ stainless steel	XTK8 / XT8 MINI	XTK35 CROSS	XT10 / XTK10 XT10 MINI	XT67 / XTK67 XT38 / XTK38
Material				
Rust- and acid-protected steels	•	•	•	•
High tensile / high alloyed steels	•	•	•	•
Structural steels	•	•	•	•
Tool steels	•	•	•	•
Hardened steels	•	•	•	•
Hardox	•	•	•	•
High tensile metal sheets	•	•	•	•
Plastic laminated metal sheets	•	•	•	•
Concrete reinforcing iron (rebar)	•	•	•	•
Application examples				
Solid materials	•	•	•	•
Thin metal sheets, pipes & profiles	•	•	•	•
Varnished metal sheets	•	•	•	•
Corrugated sheets	•	•	•	•
Cable ducts	•	•	•	•
Trapezoidal profiles	•	•	•	•
Structural steel sheets	•	•	•	•
Folded spiral seam tube	•	•	•	•
Rain guttering	•	•	•	•
Sprues	•	•	•	•
Galvanized parts	•	•	•	•

thickness:

.032"

STEEL/ STAINLESS STEEL CUTTING

XT8 MINI

St/St

Steel

Fe
S



80
m/s



NUCLEAR
RATED!

BRAINTOOLS®

THE EXACT BY BRAINTOOLS®

Hardness: ●●●●●●●●
Lifetime: ●●●●●●○
Stock removal: ●●●●●●●●

Nuclear Rated



The thinnest Mini cutting disc in the world is a very hard, but fast cutting disc with a long lifetime. Thanks to its amazing thickness of only .032" this tool can also be used in corners and hard to reach spots. The XT8 Mini is **iron- and sulphur-free** and develops a minimum of heat, sparks and grinding dust.

iron-and sulphur-free



XT8 Mini

Type 1

	+	□	⌚	📦
1 1/4" x .032" x 1/4"	A2180446	50,900	50	
1 1/2" x .032" x 1/4"	A2180448	38,200	50	
2" x .032" x 1/4"	A2180451	30,560	50	
2 1/2" x .032" x 1/4"	A2180453	23,500	50	

STEEL/ STAINLESS STEEL CUTTING

THE EXACT BY BRAINTOOLS®

Cutting high tensile steel sheets used to be a problem because they are extremely hard to cut and the edge zone tends to overheat because of the high temperatures. The thinnest cutting disc to date was thus developed for an angle grinder, the XT8 EXACT. Its small width reliably prevents overheating at the edge zones – e.g. of galvanised parts. What's more, lacquer discolorations, material distortion, flying sparks, dust and heat are reduced to a minimum. Features that make the XT8 EXACT a genuine precision specialist for demanding repair work.

thickness:

.032"

BRAINTOOLS®

Material:

- Rust- and acid-proofed steels
- High-alloyed steels
- High tensile steels
- High tensile metal sheets
- Plastic laminated metal sheets
- Varnished metal sheets

Application examples:

- Thin-walled sheets
- Thin-walled tubes
- Thin-walled profiles
- Cable ducts
- Corrugated sheets
- Trapezoidal profiles
- Thread rods

Product Advantages:

- Precise cut
- Minimum development of burrs
- Few sparks
- Very high cutting speed
- Long lifetime
- Very cool cut
- High side stability
- Low odour

XTK8
EXACT



Hardness:



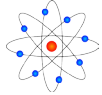
Lifetime:



Stock removal:



Nuclear Rated



The XT8 EXACT demonstrates and convinces through outstandingly smooth running, resulting in optimum handling. It's exceptional precise, clean and almost burr-free cut reduces reworking to almost zero. Even extremely hard materials such as spring steels, stainless steel sheets, etc. are easily cut by the 0.8 mm thin disc. Much harder and stronger than conventional cutting discs, its narrow cut also means that hardly any contact pressure is needed, making for noticeably easier work.



iron-and sulphur-free

XTK8 EXACT

Type 27

⊕	🖨️	🔄	📁	
4 1/2" x .032" x 7/8"	A2180461	13,300	50	
5" x .032" x 7/8"	A2180462	12,200	50	

The XT8 revolutionizes MIG-welding

- .032" thin cut
- reduced heat development
- low grinding volume
- optimal width of the solder gap with I-seams



Ideal for secure repairs with I seams

TIP:

Excessively high temperatures during the cutting and grinding process can lead to a blueing of the workpiece. This is why very thin cutting discs are ideal for such work since they cut much cooler.

The XT8 EXACT, only 0.8 mm wide, in particular is ideal for preparing the I-soldered seam during MIG welding thanks to its cool cut and the optimum solder gap width.

STEEL/ STAINLESS STEEL CUTTING

thickness:

1/16" or .045"

TOPLINE

Material:

- Rust- and acid-proofed steels
- Hardox
- Hardened steels
- High-alloyed steels
- High tensile steels
- Galvanized parts

Application examples:

- Thin-walled tubes
- Thin-walled profiles
- Steel sheets
- Solid material
- Flat iron

Product Advantages:

- Low development of burrs
- Few sparks
- High cutting speed
- Long lifetime
- Cool cut
- Low odour

XT /XTK10

St/St

Steel

Fe S



80 m/s

NUCLEAR



Hardness:



Lifetime:

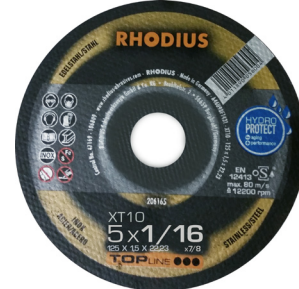


Stock removal:



Almost a legend: The most powerful disc for stainless steel The XT10 gives an extremely accurate fast cut. The iron- and **sulphur-free** premium product offers to the professional user highest performance and ease of use, combined with high precision cutting and superior lifetime.

Nuclear Rated



iron- and sulphur-free

XT10	Type 1			
		+	Ⓜ	Ⓜ
4 1/2" x 1/16" x 7/8"	A2180403	13,300	50	
5" x 1/16" x 7/8"	A2180404	12,200	50	
6" x 1/16" x 7/8"	A2180405	10,185	50	
7" x 1/16" x 7/8"	A2180406	8,600	50	

iron- and sulphur-free

XTK10	Type 27			
		+	Ⓜ	Ⓜ
4 1/2" x .045" x 7/8"	A2180413	13,300	50	
5" x .045" x 7/8"	A2180414	12,200	50	
6" x .045" x 7/8"	A2180415	10,185	50	
7" x .045" x 7/8"	A2180416	8,600	50	

XT10 MINI

St/St

Steel

Fe S



80 m/s



NUCLEAR RATED!

Hardness:



Lifetime:



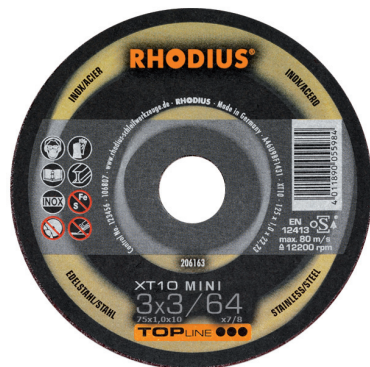
Stock removal:



The XT10 Mini. Its strength is its size. Thanks to the small diameter it reaches the smallest corners and hard-to-reach spots.

The XT10 Mini is **iron- and sulphur-free** and offers the professional user the highest comfort in working.

iron- and sulphur-free



XT10 Mini

XT10 Mini	Type 1			
		+	Ⓜ	Ⓜ
2" x 3/64" x 1/4"	A2180391	30,560	50	
2" x 5/64" x 1/4"	A2180392	30,560	50	
2 1/2" x 3/64" x 1/4"	A2180393	23,500	50	
2 1/2" x 5/64" x 1/4"	A2180394	23,500	50	
3" x 3/64" x 3/8"	A2180395	21,000	50	
3" x 5/64" x 3/8"	A2180396	21,000	50	

STEEL/ STAINLESS STEEL CUTTING

thickness:
1/16" or .045"

PROLINE ●●●

Material:

- High tensile steels
- Hardox
- Structural steels
- Tool steels
- Galvanized parts

Application examples:

- Thin-walled profiles
- Thin-walled tubes
- Steel sheets
- Solid material
- Flat iron

Product Advantages:

- Low development of burrs
- Few sparks
- High cutting speed
- Long lifetime
- Cool cut
- Low odour

XT/XTK67

St/St Steel



80 m/s

Hardness: ●●●●●○
Lifetime: ●●●●●○
Stock removal: ●●●●●●

A best seller as steel & stainless steel specialist! Reliable, very precise, with short cutting times and a long lifetime, this precision tool is an essential part of any professional equipment. Thanks to its good price performance ratio the XT67 also displays outstanding efficiency.



XT67

Type 1

	⊕	🖨️	🔄	📦
4 1/2" x 3/64" x 7/8"	A2180347	13,300	50	
4 1/2" x 1/16" x 7/8"	A2180350	13,300	50	
5" x 3/64" x 7/8"	A2180348	12,200	50	
5" x 1/16" x 7/8"	A2180351	12,200	50	
6" x 1/16" x 7/8"	A2180352	10,185	25	
7" x 1/16" x 7/8"	A2180353	8,600	25	
9" x 5/64" x 7/8"	A2180354	8,600	25	



XTK67

Type 27

	⊕	🖨️	🔄	📦
4 1/2" x .045" x 7/8"	A2180386	13,300	50	
5" x .045" x 7/8"	A2180387	12,200	50	
6" x .045" x 7/8"	A2180384	10,185	50	
7" x .045" x 7/8"	A2180385	8,600	50	

STEEL/ STAINLESS STEEL CUTTING

thickness:

1/16" or .045"

PROLINE ●●○

Material:

- Rust- and acid-proofed steels
- Hardox
- Hardened steels
- High-alloyed steels
- High tensile steels
- Galvanized parts

Application examples:

- Thin-walled tubes
- Thin-walled profiles
- Steel sheets
- Solid material
- Flat iron

Product Advantages:

- Low development of burrs
- Few sparks
- High cutting speed
- Long lifetime
- Cool cut
- Low odour

XT/XTK38



NUCLEAR
RATED!

Hardness:



Lifetime:



Stock removal:



Nuclear Rated



The specialist for stainless steel. The strongest extra thin cutting disc for stainless steel applications. High grade special grain ensures a powerful separating cut with a long lifetime.

iron-and sulphur-free

XT38

Type 1

⊕	🖨️	🔄	📦
4 1/2" x 3/64" x 7/8"	A2180743	13,300	50
4 1/2" x 1/16" x 7/8"	A2180744	13,300	50
5" x 3/64" x 7/8"	A2180745	12,200	50
5" x 1/16" x 7/8"	A2180746	12,200	50
6" x 1/16" x 7/8"	A2180747	10,185	25

TIP:

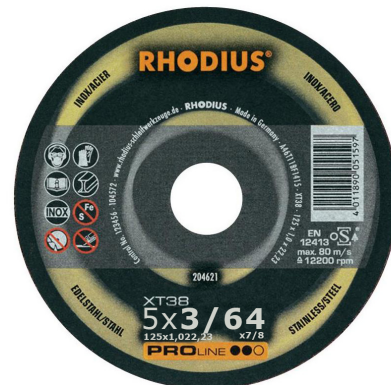
Excessively high temperatures during the cutting and grinding process can lead to a blueing of the workpiece. This is why very thin cutting discs are ideal for such work since they cut much cooler.

iron-and sulphur-free

XTK38

Type 27

⊕	🖨️	🔄	📦
4 1/2" x 1/16" x 7/8"	A2180338	13,300	50
5" x 1/16" x 7/8"	A2180339	12,200	50
7" x 1/16" x 7/8"	A2180340	8,600	25



STEEL/ STAINLESS STEEL CUTTING

THE CROSS BY BRAINTOOLS®

SAFE CUTTING AND GRINDING.

"Up to now face grinding was not allowed with an abrasive cutting disc. The safety specifications for lateral resilience as set out in DIN EN 12413 were not usually met by thinner cutting disc widths. There was a risk of the discs breaking if the outer fabric was damaged. The challenge was to develop a disc that offers all the advantages of an extra-thin disc but can still be used for subsequent grinding work. The CROSS is only 5/64" (1.9 mm) thick and is the first extra-thin cutting disc that CAN be used for grinding."

KERSTIN HEIDEN, Rhodius-Development engineer

thickness:
5/64"

BRAINTOOLS®

Material:

- Rust- and acid-proofed steels
- Hardened steels, high-alloyed steels
- High tensile sheets
- Tool steels
- Structural steels
- Varnished metal sheets
- Plastic laminated metal sheets
- Hardox

Application examples:

- Cutting
- Bevelling
- Burr removing
- Solid materials
- Thin metal sheets, tubes and profiles
- Structural steel sheets, concrete reinforcing iron
- Folded spiral seam tube

Product advantages:

- combined working
- Low development of burrs
- Fewer sparks
- High cutting speed
- Very long lifetime
- High stock removal
- Short cutting times
- Comfortable cutting behaviour
- Efficient

XTK35 CROSS



Hardness:

Lifetime:

Stock removal:



Nuclear Rated



The XTK35 CROSS for the first time allows the combination of cutting and light grinding work in one operation – and is only 5/64" (1,9 mm) thick! 3 full-surface fabric layers ensure a strong reinforcement and extremely high side stability. By simply changing the angle of application, grinding work such as burr removing or chamfering can be carried out directly after cutting without changing the machine or disc. The XTK35 Cross meets the prescribed lateral load for grinding wheels(290 N) and has been tested by an independent institute.

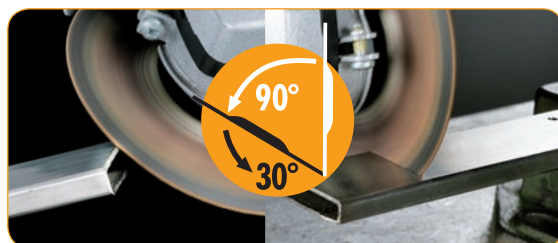


Iron- and sulphur-free

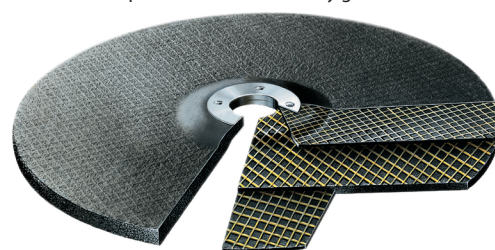
XTK35 CROSS

Type 27

⊕	📺	⌚	📦
4 1/2" x 5/64" x 7/8"	A3180651	13,300	25
5" x 5/64" x 7/8"	A3180651	12,200	25



Extra thin cutting and grinding with one disc



Manufactured to EN 12413 standards
Three full layers of fibreglass reinforcement makes it possible to cut and safely grind.

STEEL/ STAINLESS STEEL CUTTING

thickness:
1/16"

ALPHALINE ●○○

Material:

- Rust- and acid-proofed steels
- Hardox
- Hardened steels
- High-alloyed steels
- High tensile steels
- Galvanized parts

Application examples:

- Thin-walled tubes
- Thin-walled profiles
- Steel sheets
- Solid material
- Flat iron

Product Advantages:

- Low development of burrs
- Few sparks
- High cutting speed
- Long lifetime
- Cool cut
- Low odour

XT/XTK70

St/St

Steel

Fe
S



80
m/s



NUCLEAR
RATED!

Hardness:



Lifetime:



Stock removal:



The disc XT70 cuts stainless steel and steel with long lifetime. As the disc is **iron-and sulphur-free** it is a reasonable alternative for the XT67

Nuclear Rated

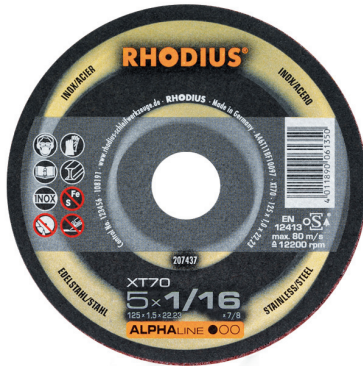


Iron- and sulphur-free

XT70

Type 1

		RPM	PER TIN
4 1/2" x 1/16" x 7/8"	A2180590T	13,300	10
5" x 1/16" x 7/8"	A2180591T	12,200	10



iron-and sulphur-free

XT70

Type 1

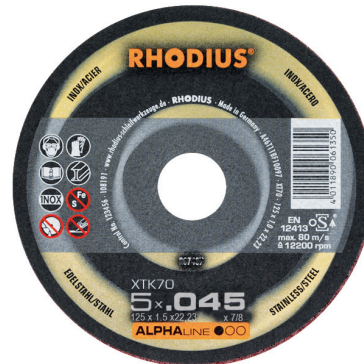
		RPM	
4 1/2" x 1/16" x 7/8"	A2180590	13,300	50
5" x 1/16" x 7/8"	A2180591	12,200	50

iron-and sulphur-free

XTK70

Type 27

		RPM	
4 1/2" x .045 x 7/8"	A2180560	13,300	50
5" x .045 x 7/8"	A2180561	12,200	50



STEEL/ STAINLESS STEEL CUTTING

thickness:

1/16" or .045"

TOP LINE

Material:

- High tensile/ high-alloyed steels
- Structural steels
- Tool steels
- Hardened steels
- High tensile metal sheets
- Concrete reinforcing iron (rebar)

Application examples:

- Thin-walled tubes
- Thin-walled profiles
- Steel sheets
- Solid material
- Flat iron

Product Advantages:

- Low development of burrs
- Few sparks
- High cutting speed
- Long lifetime
- Cool cut
- Low odour

XT20

St/St

Steel



80 m/s

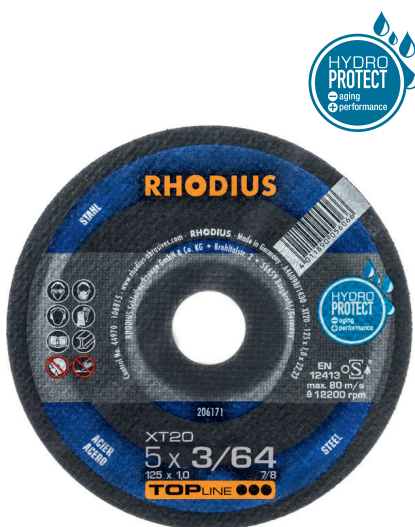
Lifetime

Cutting ability solid material

Cutting ability thin-walled material



Extremely high performing extra thin cutting disc for highest demand



XT20

Type 1

⊕	🖨	⌚	📦
4 1/2" x 1/16 x 7/8"	A2180281	13,300	50
5" x 1/16 x 7/8"	A2180282	12,200	50
6" x 1/16 x 7/8"	A2180283	10,200	25
7" x 1/16 x 7/8"	A2180284	8,500	25

XTK20

Type 27

⊕	🖨	⌚	📦
6" x 1/16 x 7/8"	A2180425	10,200	25

ALUMINIUM CUTTING

thickness:

1/16" or .045"

TOP LINE

Material:

- Non-ferrous metals
- Brass
- Bearing metal
- Al-alloy

Application examples:

- Rain guttering
- Eaves flashing
- Corrugated sheets
- Thin-walled tubes
- Thin-walled profiles
- Solid material

Product Advantages:

- Low development of burrs
- High cutting speed
- Easy cutting
- No clogging
- Long lifetime
- Cool cut

XT/XTK24

ALU



80 m/s

Hardness:



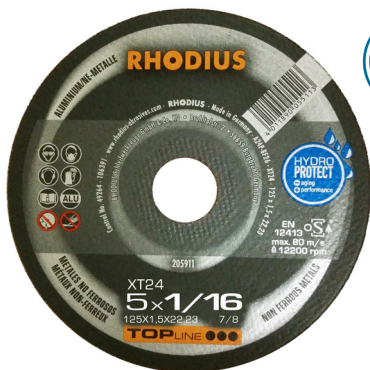
Lifetime:



Stock removal:



The specialist with staying power for the cutting of aluminium and other NF-metals, it is an out and out high power cutting disc. Its special filling materials prevent clogging of the cutting disc and thus guarantees an efficient, precise cut with along lifetime. The narrow width of the disc reduces the amount of dust that is produced



XT24

Type 1

⊕	🖨	🔄	📦
4 1/2" x 1/16" x 7/8"	A2180291	13,300	50
5" x 1/16" x 7/8"	A2180292	12,200	50
6" x 1/16" x 7/8"	A2180293	10,185	25
7" x 1/16" x 7/8"	A2180294	8,600	25
9" x 5/64" x 7/8"	A2180295	6,600	25

XTK24

Type 27

⊕	🖨	🔄	📦
4 1/2" x .045" x 7/8"	A2180574	13,300	50
5" x .045" x 7/8"	A2180575	12,200	50
6" x .045" x 7/8"	A2180576	10,185	25
7" x .045" x 7/8"	A2180577	8,600	25
9" x 5/64" x 7/8"	A2180579	6,600	25

APPLICATION MATRIX

Quality	TOP LINE	
	pg 22	
Cutting aluminium	XT24 / XTK24	FT24 / FTK24
Material		
Non-ferrous metals	•	•
Alloys such as bronze, brass	•	•
Application examples		
Solid materials	•	•
Thin metal sheets, pipes & profiles	•	•
Bearing metal	•	•
Rain guttering, corrugated sheets	•	•
Sprues	•	•



TIP: Rhodius offers the right tool for every application that is matched to the respective material. Tools for grinding aluminium can be found on **pg. 30**

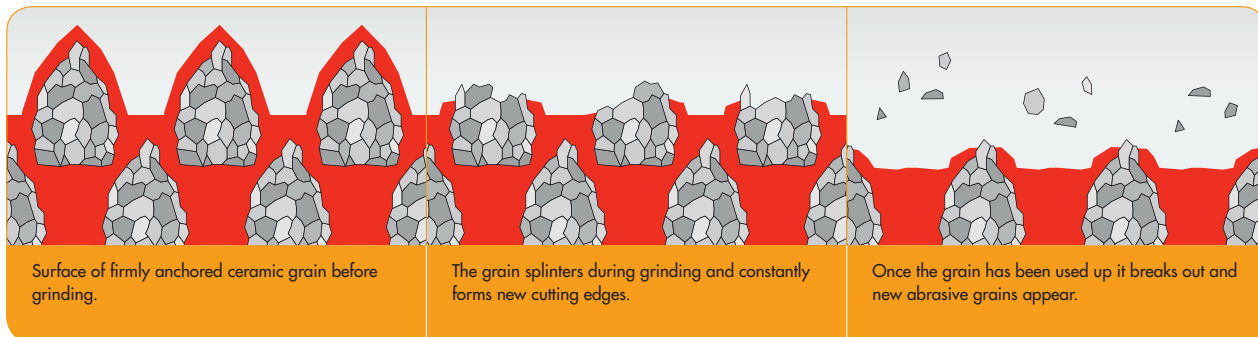
CERAMICON: Your guarantee for a lasting high performance

The products in our new CERAMICON high-performance line have sharp-edged ceramic grain and thus cut through metal faster.

The sharp difference: Ceramic grain

The products in our CERAMICON high-performance line are made from top-quality ceramic grain. Ceramic grain is characterized by the fact that it is hard, brittle, sharp-edged and overall very aggressive and stays this way. The ceramic grain is anchored so firmly and precisely in the bond that it splinters continuously during grinding on account of its brittleness.

This produces minute fractures in the abrasive grit that constantly form new and very sharp cutting edges. The bond ensures that the ceramic grain only breaks out completely when it is used up. New grains then appear. This means that RHODIUS products with ceramic grain sharpen themselves during grinding and thus cut through the metal being processed like little knives.



CERAMICON

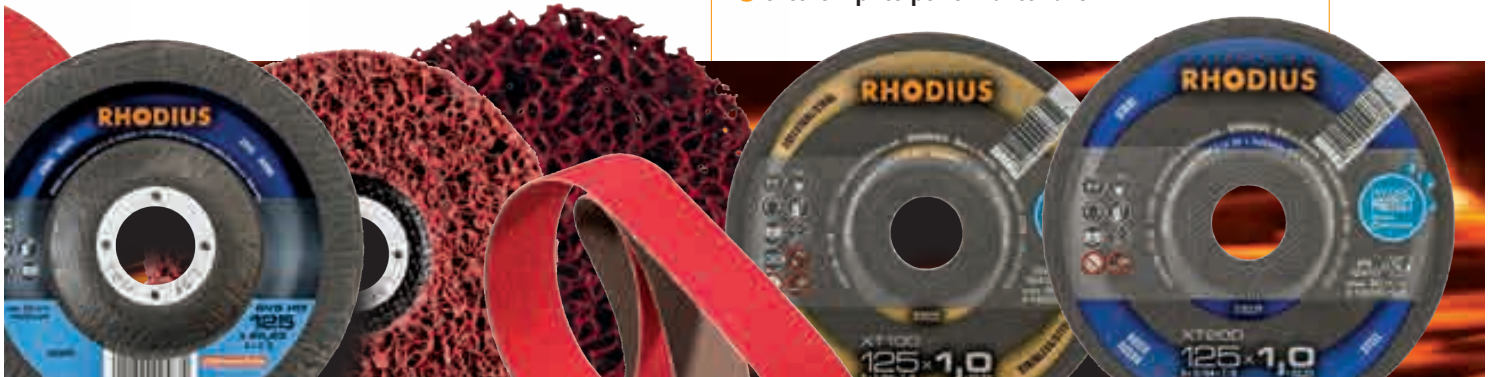
A wide assortment for a variety of applications

The CERAMICON product line comprises:

- Extra-thin cutting discs
- Grinding discs
- Flap discs
- Abrasive belts
- Non-woven cleaning tools
- Quick change discs
- Fibre discs

Your advantages at a glance:

- higher cutting efficiency
- longer lifetime
- shorter working times
- excellent price-performance ratio



thickness:

1/16"

CERAMICON

Material:

- Rust- and acid-proofed steels
- Hardox
- Hardened steels
- High-alloyed steels
- High tensile steels
- Galvanized parts

Application examples:

- Thin-walled tubes
- Thin-walled profiles
- Steel sheets
- Solid material
- Flat iron

Product Advantages:

- Low development of burrs
- Few sparks
- High cutting speed
- Long lifetime
- Cool cut
- Low odour

XT100



- Lifetime
- Cutting ability solid material
- Cutting ability thin-walled material



For use on stainless steel/steel

XT100

Type 1

4 1/2" x 1/16 x 7/8"	A2180210	25
5" x 1/16 x 7/8"	A2180211	25
6" x 1/16 x 7/8" 7"	A2180212	25
x 1/16 x 7/8"	A2180213	25
9" x 1/16 x 7/8"	A2180214	25

thickness:

1/16"

CERAMICON

Material:

- Rust- and acid-proofed steels
- Hardox
- Hardened steels
- High-alloyed steels
- High tensile steels
- Galvanized parts

Application examples:

- Thin-walled tubes
- Thin-walled profiles
- Steel sheets
- Solid material
- Flat iron

Product Advantages:

- Low development of burrs
- Few sparks
- High cutting speed
- Long lifetime
- Cool cut
- Low odour

XT200



- Lifetime
- Cutting ability solid material
- Cutting ability thin-walled material



XT200

Type 1

4 1/2" x 1/16 x 7/8"	A2180220	25
5" x 1/16 x 7/8"	A2180221	25
6" x 1/16 x 7/8"	A2180222	25
7" x 1/16 x 7/8"	A2180223	25
9" x 5/64 x 7/8"	A2180224	25

STONE CUTTING

thickness:
1/16"

TOPLINE ●●●

Material:

- Concrete products
- Limestone
- Artificial stones
- Natural stones
- Marble
- Titanium

Application examples:

- Roofing tiles
- Pumice stone
- Structural plaster
- External bricks
- Tiles

Product Advantages:

- Clean cutting edges
- Low development of dust
- Aggressive cutting
- Fast cutting

XT66



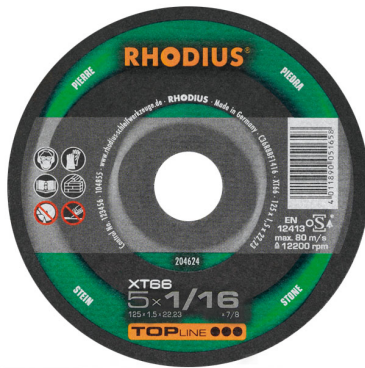
ALU



80 m/s

Hardness: ●●●●●●●●
Lifetime: ●●●●●●●●
Stock removal: ●●●●●●●●

The precision tool for stone treatment. A low cost alternative to diamond cutting discs. For maximum precision cut outs, clean cutting edges with almost no cavities in glazes.



XT66

Type 1

4 1/2" x 1/16" 7/8"	A2180323	13,300	50	
5" x 1/16" 7/8"	A2180324	12,200	50	
6" x 1/16" 7/8"	A2180322	10,185	25	
7" x 5/64" 7/8"	A2180325	8,600	25	
9" x 5/64" 7/8"	A2180326	6,600	25	

APPLICATION MATRIX

STONE Solutions

TIP: Rhodius offers the right tool for every application that is matched to the respective material. Tools for grinding stone can be found on **pg.31**



Quality	TOPLINE ●●●	pg 22	PROLINE ●●●	pg 26
Cutting stone	XT66	FT44	FT40	
Material				
Marble	•	•	•	
Concrete products / floor pavement	•	•	•	
Natural stones	•	•	•	
Lime stones	•	•	•	
Artificial stones	•	•	•	
Asphalt				•
Grey cast iron*	•			
Titanium*	•			
Application examples				
Tiles	•	•		
SML-tubes	•			
Floor slabs	•			•
Roofing tiles	•	•		

* Other material suitability



CUTTING / Freehand cutting discs Heavy Duty

CUTTING/ Freehand cutting discs Heavy Duty

APPLICATION MATRIX

Quality	TOP LINE ●●●		PRO LINE ●●●	
Heavy Duty				
Cutting steel / stainless steel	FT67 / FTK67	FTK38	FTK33	FT30
Material				
Rust- and acid-protected steels		•		
High tensile / high alloyed steels	•	•	•	
Structural steels	•	•	•	•
Tool steels	•	•	•	•
Hardened steels	•	•	•	
Hardox	•	•	•	
High tensile metal sheets	•	•	•	
Concrete reinforcing iron (rebar)	•		•	•
Application examples				
Solid materials		•	•	•
Thin metal sheets, pipes & profiles	•	•	•	•
Structural steel sheets	•	•	•	•
Sprues	•		•	
Galvanized parts	•		•	
SML tubes				•

APPLICATION MATRIX

Quality	TOP LINE ●●●	
Heavy Duty		
Cutting aluminium	pg 22	FTK24
Material		
Non-ferrous metals		●
Alloys such as bronze, brass		●
Application examples		
Solid materials		●
Thin metal sheets, pipes & profiles		●
Bearing metal		●
Rain guttering, corrugated sheets		●
Sprues		●

APPLICATION MATRIX

Quality	PRO LINE ●●●	
Heavy Duty		
Cutting Stone pg 22 ,26	FT44	FT40
Material		
Marble	•	•
Concrete products / floor pavement	•	•
Natural stones	•	•
Lime stones	•	•
Artificial stones	•	•
Asphalt		•
Grey cast iron* See XT66 (p.16)		
Titanium* See XT66 (p.16)		
Application examples		
Tiles	•	•
SML-tubes See XT66 (p.16)		
Floor slabs		•
Roofing tiles	•	

STEEL/ STAINLESS STEEL CUTTING

TIPS ON PROCESSING STAINLESS STEEL



Never cut standard steel and then stainless steel with the same disc, even if this is iron-and sulphur-free. The disc may contain traces of the standard steel that can lead to rust formation on the stainless steel. Even sparks from cutting or grinding standard steel can lead to rust formation on stainless steel.

thickness:

3/32" or 1/8"

PROLINE ●●○

Material:

- Structural steels
- High tensile metal sheets
- Tool steels
- Concrete reinforcing iron (rebar)

Application examples:

- Tubes
- Profiles
- Steel sheets
- Flat iron
- Structural steel sheets
- Solid material

Product Advantages:

- High cutting speed
- Long lifetime
- Easy cutting
- Comfortable cutting behaviour
- Efficient

FT/FTK33

St/ST

Steel

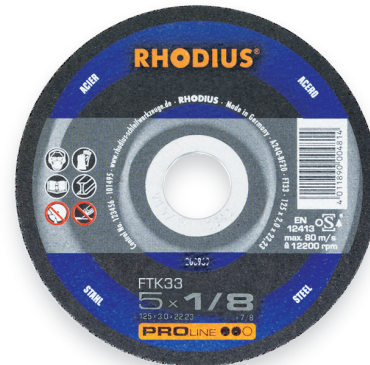
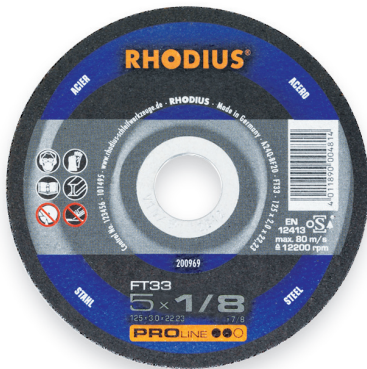


80
m/s

Hardness
Lifetime
Stock
removal:



Its strength is its versatility. In use on solid material, pipes and profiles, particularly hardened steels, it convinces through excellent results. Thanks to its versatile use and high quality of work it guarantees a good price performance ratio.



FT33

Type 1

	⊕	Ⓜ	Ⓜ
4" x 5/64" x 5/8"	A2180304	15,280	25
4 1/2" x 3/32" x 7/8"	A21803052	13,300	25
4 1/2" x 1/8" x 7/8"	A2180306	13,300	25
5" x 1/8" x 7/8"	A2180307	12,200	25
6" x 1/8" x 7/8"	A2180308	10,185	25
7" x 1/8" x 7/8"	A2180309	8,600	25
9" x 1/8" x 7/8"	A2180310	6,600	25

FTK33

Type 27

	⊕	Ⓜ	Ⓜ
4" x 5/64" x 5/8"	A2180543	15,280	25
4 1/2" x 3/32" x 7/8"	A2180544	13,300	25
4 1/2" x 1/8" x 7/8"	A2180545	13,300	25
5" x 3/32" x 7/8"	A2180546	12,200	25
5" x 1/8" x 7/8"	A2180547	12,200	25
6" x 1/8" x 7/8"	A2180540	10,185	25
7" x 3/32" x 7/8"	A2180548	8,600	25
7" x 1/8" x 7/8"	A2180549	8,600	25
9" x 1/8" x 7/8"	A2180551	6,600	25

STEEL/ STAINLESS STEEL CUTTING

thickness:

1/8"

TOPLINE

Material:

- Structural steels
- High tensile metal sheets
- High tensile steels
- Tool steels
- Concrete reinforcing iron (rebar)

Application examples:

- Tubes
- Profiles
- Steel sheets
- Flat iron
- Structural steel sheets
- Solid material

Product Advantages:

- High cutting speed
- Long lifetime
- Easy cutting
- Comfortable cutting behaviour
- Efficient

FT/ FTK67

St/St

Steel



80
m/s

Hardness:



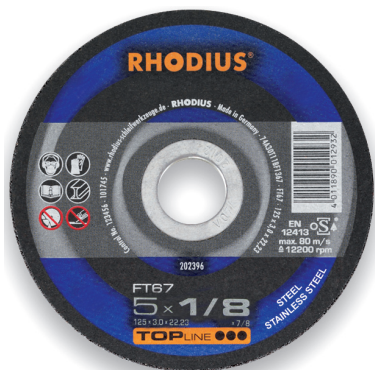
Lifetime:



Stock removal:



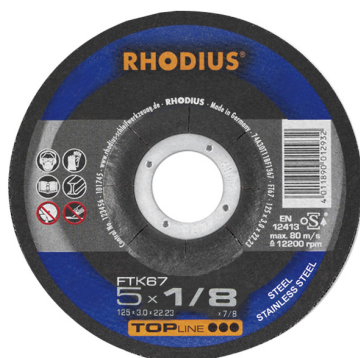
This high-power cutting disc goes through thick and thin. With its excellent cutting performance it guarantees a very long lifetime and can also be used efficiently for coarse applications.



FT67

Type 1

		RPM	
4 1/2" x 1/8" x 7/8"	A2180360	13,300	25
5" x 1/8" x 7/8"	A2180361	12,200	25
7" x 1/8" x 7/8"	A2180362	8,600	25
9" x 1/8" x 7/8"	A2180363	6,600	25



FTK67

Type 27

		RPM	
4 1/2" x 1/8" x 7/8"	A2180380	13,300	25
5" x 1/8" x 7/8"	A2180381	12,200	25
7" x 1/8" x 7/8"	A2180382	8,600	25
9" x 1/8" x 7/8"	A2180383	6,600	25

STEEL/ STAINLESS STEEL CUTTING

thickness:

1/8"

TOPLINE

Material:

- Rust- and acid-proofed steels
- Hardox
- Hardened steels
- High tensile metal sheets
- Structural steels
- Tool steels
- High-alloyed steels

Application examples:

- Thin-walled profiles
- Thin-walled tubes
- Steel sheets
- Flat iron
- Solid material

Product Advantages:

- High cutting speed
- Long lifetime
- Efficient
- Comfortable cutting behaviour
- Easy cutting

FTK38

St/St

Steel

Fe S

80 m/s

80 m/s



NUCLEAR
RATED!

Hardness:



Lifetime:

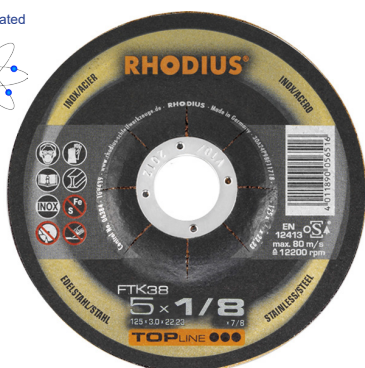


Stock removal:



The specialist for stainless steel. The strongest cutting disc exceeding 2 mm in width for stainless steel applications. High grade special grain ensures a powerful separating cut with along lifetime. Iron-and sulphur-free.

Nuclear Rated

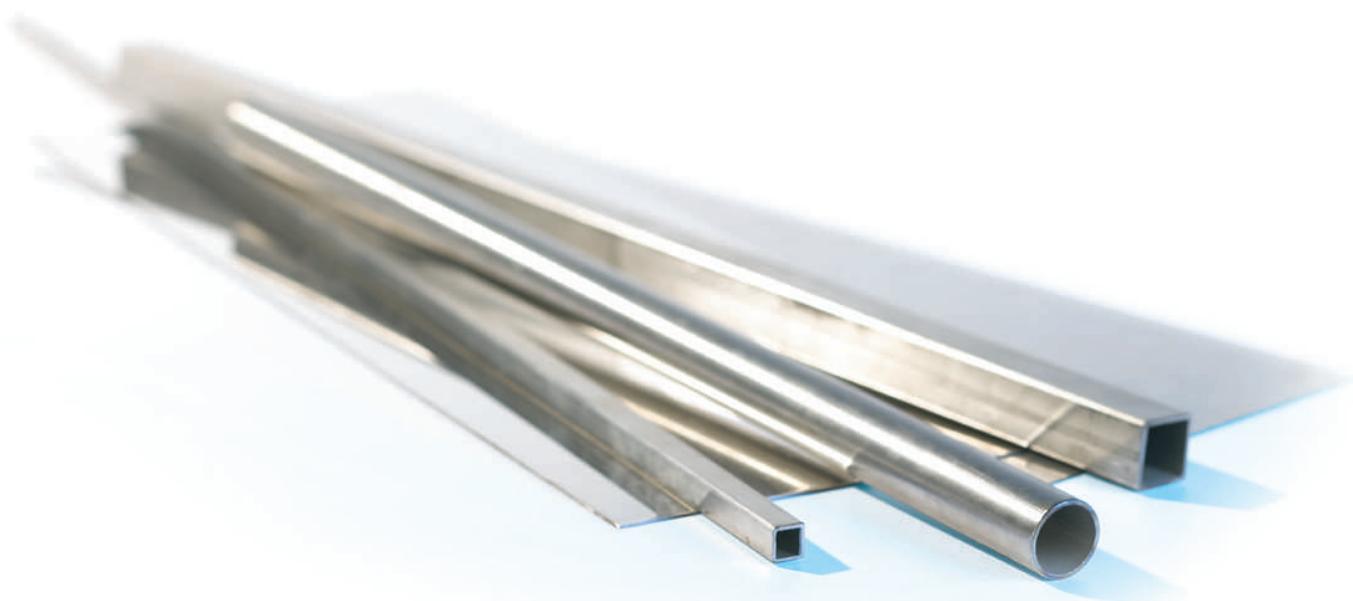


iron-and sulphur-free

FTK38

Type 27

+	+	+	+
4 1/2" x 1/8" x 7/8	A2180556	13,300	25
5" x 1/8" x 7/8	A2180559	13,300	25
7" x 1/8" x 7/8	A2180557	8,600	25
9" x 1/8" x 7/8	A2180553	6,600	25



ALUMINIUM CUTTING

thickness:

1/8"

TOP LINE ●●●

Material:

- Non-ferrous metals
- Bronze
- Brass
- Bearing metal
- Al-alloy

Application examples:

- Tubes
- Profiles
- Solid material

Product Advantages:

- Low development of burrs
- High cutting speed
- Cool cut
- Long lifetime
- Easy cutting
- No clogging

FTK24

ALU



80 m/s

Hardness:



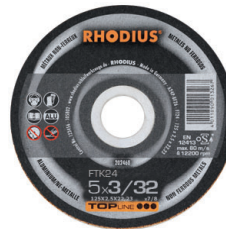
Lifetime:



Stock removal:



As a high-power cutting disc for aluminium treatment and NF-metals, the FT24 is a professional product with both staying power and a highload-bearing capacity. Special filling materials prevent the cutting disc from clogging, even during permanent use, thus guaranteeing an efficient, sharp cut and a long lifetime.



FT24

Type 1

7" x 1/8" x 7/8"	A2180320	8,600	25
9" x 1/8" x 7/8"	A2180321	6,600	25

FTK24

Type 27

4 1/2" x 3/32" x 7/8"	A2180570	13,300	25
5" x 3/32" x 7/8"	A2180573	12,200	25
7" x 1/8" x 7/8"	A2180571	8,600	25
9" x 1/8" x 7/8"	A2180572	6,600	25

TIP: Rhodius offers the right tool for every application that is matched to the respective material. Tools for grinding aluminium can be found on **pg.35 & 36**

STONE CUTTING

thickness:

1/8"

PRO LINE ●●●○

Material:

- Concrete products
- Limestone
- Artificial stone
- Natural stone
- Marble

Application examples:

- Roofing tiles
- Floor pavement
- Structural plaster
- External bricks

Product Advantages:

- High cutting speed
- Long lifetime
- Easy cutting

FTK44



ALU



80 m/s

Hardness:



Lifetime:



Stock removal:



The all-rounder for stone treatment produces an optimum cut with little edge cavities. The FT44 produces excellent results in a variety of uses.



FT44

Type 27

4" x 5/64" x 5/8"	A2180580	15,280	25
4 1/2" x 1/8" x 7/8"	A2180581	13,300	25
5" x 1/8" x 7/8"	A2180582	12,200	25
7" x 1/8" x 7/8"	A2180583	8,600	25
9" x 1/8" x 7/8"	A2180584	6,600	25

TIP: Rhodius offers the right tool for every application that is matched to the respective material. Tools for grinding stone can be found on **pg.37**



CUTTING / DIAMOND

THE ALLCUT BY BRAINTOOLS®

SINGLE DIAMOND LAYER TECHNOLOGY



Material examples

Universal materials / Steel / Ductile pipes /
Concrete reinforcing iron

Reinforced concrete / Building materials

Brick / Plastic / FRP

hard

soft

DG210
ALLCUT



BRAINTOOLS®

Material:

- Concrete products
- Reinforced concrete
- Natural stones
- Building materials
- Steel
- Tiles
- Wood
- Plastics
- GFK

Application examples:

- Cutting of floor slabs
- Wall openings
- Brick grooves
- External bricks
- Roofing tiles
- Flat iron
- Pipes and profiles

Product Advantages:

- Universal application
- High cutting speed
- Very long lifetime
- High stock removal
- Short cutting times
- Comfortable cutting behaviour
- Efficient
- Easy cutting
- Wet and dry cutting

DG210
ALLCUT



≤ 230 mm (80) ≥ 300 mm (100)

Lifetime: ●●●●○○
Stock removal: ●●●●●●

The ALLCUT allows reliable, fast cutting of many materials with a cool cut. The diamonds are mounted directly on the special core to provide a consistently high cutting power until they are fully worn out. It works highly efficiently on stone thanks to its extremely long life. Its performance on steel makes it the ideal all-rounder. This makes the ALLCUT the ideal diamond blade if the concrete working requirements are not known in advance. Its broad processing and material range also saves tiresome blade changes.



DG210 ALLCUT

4 1/2" x 1/8" x 3/32" x 7/8"	A4180872	13,285	1
5" x 1/8" x 3/32" x 7/8"	A4180873	12,200	1
7" x 1/8" x 7/64" x 7/8"	A4180875	8,600	1
12" x 1/8" x 1/8" x 1"	A4180877	6,365	1
14" x 1/8" x 1/8" x 1"	A4180878	5,460	1

* Reducing bushes – 20.00 mm - and 7/8" are included



Cool and clean cut



Versatile in application: even cuts steel



CUTTING / **Gas Saw** cutting discs

STEEL/ STAINLESS STEEL Gas Saw cutting discs

thickness:
1/8" or 3/16"
PROLINE ●●●○

Material:

- Structural steels
- Tool steels
- Grey cast iron
- Concrete reinforcing iron (rebar)
- Ductile cast iron

Application examples:

- Flat iron
- SML-tubes
- Steel construction
- Solid material
- Pipes and profiles

Product Advantages:

- Long lifetime
- High cutting speed
- Strengthened reinforcement for high lateral pressure

FT30

Steel |  | ≤ 300 mm (80 m/s) | ≥ 350 mm (100 m/s)

Hardness: ●●●●○○
Lifetime: ●●●●●●●●
Stock removal: ●●●●●●●●







FT30 - a Rhodius classic: the tried and trusted standard disc for a variety of cutting work in steel. Brings extra power to petrol and electric machines. It can also be used on machines with hydraulic drives.

External fibreglass reinforced for strength and rigidity.

Aluminium Oxide grain.

Burr free square cuts

FT30

		Type 1	
			
12" x 1/8" x 20mm	A2180601	5,100	25
12" x 1/8" x 7/8"	A2180602	5,100	25
12" x 1/8" x 1"	A2180603	5,100	25
14" x 3/16" x 20mm	A2180606	5,460	10
14" x 3/16" x 7/8"	A2180605	5,460	10
14" x 3/16" x 1"	A2180604	5,460	10

STONE CUTTING

thickness:
1/8" or 3/16"
PROLINE ●●●○

Material:

- Asphalt
- Concrete products
- Limestone
- Artificial stone
- Natural stone

Application examples:

- Floor pavement
- Structural plaster
- External bricks

Product Advantages:

- Long lifetime
- High cutting speed
- With rough grain for rapid cutting
- Strengthened reinforcement for high lateral pressure

FT40

 | ALU |   | ≤ 300 mm (80 m/s) | ≥ 350 mm (100 m/s)

Hardness: ●●●●○○
Lifetime: ●●●●●●●●
Stock removal: ●●●●●●●●







FT40 - a Rhodius classic: the tried and trusted standard disc for a variety of cutting work in stone. Brings extra power to petrol and electric cutters. It can also be used on machines with hydraulic drives.

Silicon Carbide grain

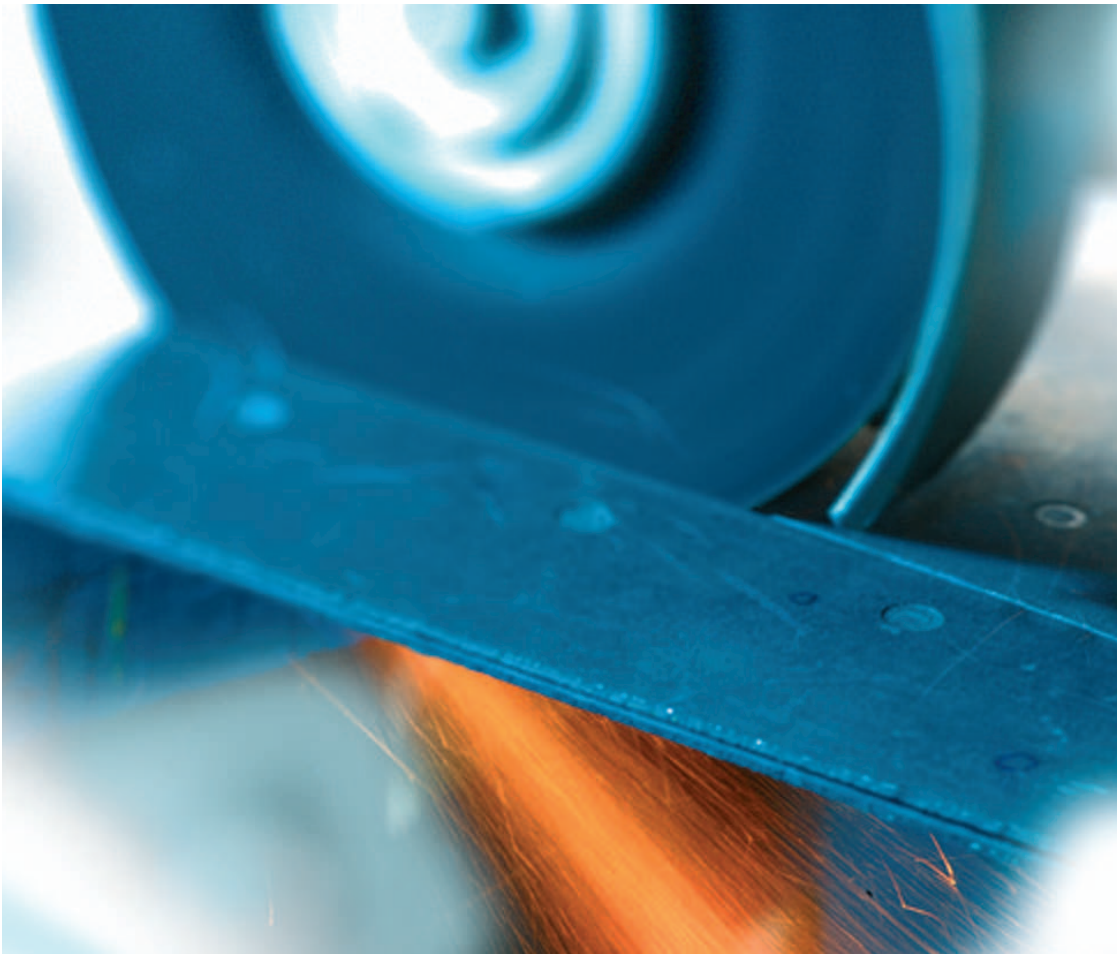
External fibreglass reinforced for strength and rigidity

Fast cutting action on stone & asphalt

FT40

		Type 1	
			
12" x 1/8" x 20mm	A2180615	5,100	25
12" x 1/8" x 7/8"	A2180616	5,100	25
12" x 1/8" x 1"	A2180617	5,100	25
14" x 3/16" x 20mm	A2180620	5,460	10
14" x 3/16" x 7/8"	A2180619	5,460	10
14" x 3/16" x 1"	A2180618	5,460	10

CUTTING / Stationary / Chop saw



APPLICATION MATRIX

Quality	PRO LINE ●●○			ALPHA LINE ●○○		
Heavy Duty	PRO LINE ●●○			ALPHA LINE ●○○		
Cutting steel / stainless steel	ST34	ST56	ST21	ST34	ST56	ST21
Material						
General mild steels	●	●	●	●	●	●
Tool steels	●	●	●	●	●	●
Hardened/high alloyed/high tensile	●	●	●	●	●	●
Grey cast iron	●	●	●	●	●	●
Hardox	●	●	●	●	●	●
Concrete reinforcing iron (rebar)	●	●	●	●	●	●
Rust- and acid-proofed steels	●	●	●	●	●	●
Application examples						
Solid materials	●	●	●	●	●	●
Thin metal sheets, pipes & profiles	●	●	●	●	●	●
Flat iron	●	●	●	●	●	●
Sprues	●	●	●	●	●	●
Galvanized parts	●	●	●	●	●	●
SML tubes	●	●	●	●	●	●
Round iron	●	●	●	●	●	●

STEEL/ STAINLESS STEEL CUTTING

thickness:
3/32" or 1/8"
PRO LINE ●●○

Material:

- Hardened steels
- High-alloyed steels
- Structural steels
- Tool steels
- Rust- and acid-proofed steels
- Grey cast iron

Application examples:

- Thin-walled steels
- Thin-walled profiles
- Flat iron
- Galvanized parts
- Solid material
- SML-tubes

Product Advantages:

- Low odour
- Low development of burrs
- High cutting speed
- Fewer sparks
- Easy cutting

ST34 CHOPSAW

Steel



80 m/s

Hardness: ●●○○○○○
Lifetime: ●●●○○○
Stock removal: ●●●●●○

Very soft cutting disc with a lot of power and a high cutting speed. It achieves excellent cutting results on machines with weak drives. The very soft disc works ideally on portable workshop machines (up to 3KW driving power), but is also suitable for bench machines.



ST34

Type 1

	⊕	Ⓜ	Ⓜ	Ⓜ
12" x 3/32" x 1"	A2180701	5,100	10	
12" x 1/8" x 1"	A2180702	5,100	10	
14" x 3/32" x 1"	A2180703	4,400	10	
14" x 1/8" x 1"	A2180704	4,400	10	
16" x 1/8" x 1"	A2180705	3,820	10	

STEEL/ ALLOYS CUTTING

thickness:

1/8" - 5/32"

ALPHALINE ●●○

Material:

- Structural steels
- Tool steels
- Grey cast iron
- Concrete reinforcing iron (rebar)

Application examples:

- Tubes
- Profiles
- Solid material with small cross section
- Sprues

Product Advantages:

- Long lifetime
- High side stability
- Easy cutting
- Cool grinding

ST21 CHOPSAW/ STATIONARY



Hardness: ●●●○○○
Lifetime: ●●●●●○
Stock removal: ●●●○○○

Sturdy cutting disc with strong outer reinforcement. It is suitable for work in structural and piping construction, for example. Specially formulated for fast cutting action and long life. Robust wheel for all types of studs, angles and channels.



ST21

Type 1

⊕	📺	🔄	📦	
12" x 1/8" x 1"	A2180751	6,400	10	
14" x 9/64" x 1"	A2180755	5,500	10	
16" x 5/32" x 1"	A2180757	4,800	10	

STEEL/ STAINLESS STEEL CUTTING

thickness:

1/8" - 7/32"

PROLINE ●●○

Material:

- Tool steels
- Structural steels
- Hardened steels
- High tensile steels
- Rust- and acid-proofed steels

Application examples:

- Solid material
- Profiles
- Tubes
- Sprues

Product Advantages:

- Long lifetime
- Easy cutting
- Extra strong reinforcement
- Cool cut

ST56 STATIONARY



Hardness: ●●●○○○
Lifetime: ●●●●●○
Stock removal: ●●●○○○

The ST56 is suitable for various uses when machining solid materials and profiles. It cuts cool and fast.



ST56

Type 1

⊕	📺	🔄	📦	
12" x 1/8" x 1"	A2180709	6,400	10	
14" x 9/64" x 1"	A2180710	5,500	10	
16" x 5/32" x 1"	A2180711	4,800	10	
20" x 7/32" x 1"	A2180713	3,800	10	

GRINDING

APPLICATION MATRIX

Quality		ALPHA LINE ●●●
Grinding steel		KSM
Material		
Structural steels	•	
Application examples		
Corner and edge grinding	•	
Levelling	•	
Burr removing	•	
De-rusting, cleaning		
Surface grinding	•	
Welding seams	•	
Weld seam preparation	•	
Forge grinding	•	
Solid materials	•	
Thin metal sheets, pipes & profiles	•	
Flat iron	•	
Round iron	•	

APPLICATION MATRIX

Quality	BRAINTOOLS®		TOP LINE ●●●		PRO LINE ●●●	
	FS1 FUSION	RS67	RS39 HURRICANE	RS3IN1	RS2	RS38
Grinding steel/ stainless steel						
Material						
Rust- and acid-protected steels	•		•	•		•
Structural steels	•	•	•	•	•	•
Tool steels	•	•	•	•	•	•
Hardened steels / high tensile steels	•	•	•	•	•	•
High-alloyed steels	•		•	•		•
Grey cast iron				•		
Hardox	•		•	•	•	•
High tensile metal sheets	•		•	•		•
Alloys such as brass, bronze				•		
Non-ferrous metals				•		
Application examples						
Corner and edge grinding	•	•	•	•	•	•
Levelling	•	•	•	•	•	•
Burr removal	•	•	•	•	•	•
Surface grinding	•	•	•	•	•	•
Cleaning of castings				•		
Welding seams	•	•	•	•	•	•
Weld seam preparation	•	•	•	•	•	•
Forge grinding	•		•		•	
Thin metal sheets, pipes & profiles	•	•	•	•		•
Flat iron		•				
Round iron		•				
Solid materials		•		•	•	



GRINDING





STEEL GRINDING

thickness:

1/4"

ALPHALINE ●●●

Material:

- Hardened steels
- High-alloyed steels
- Structural steels
- Tool steels

Application examples:

- Weld seam preparation
- Levelling
- Edge grinding
- Surface grinding

Product Advantages:

- Long lifetime
- Efficient
- Comfortable grinding performance

KSM

Steel



80
m/s

Hardness:



Lifetime:



Stock removal:







A long lifetime and easy cuts are the best prerequisites for both comfortable and economical work. These advantages and the attractive price have made the KSM a classic amongst metal grinding discs.



KSM

Type 27

			
4 1/2" x 1/4" x 7/8"	A1180495	13,300	25
5" x 1/4" x 7/8"	A1180497	13,300	25
7" x 1/4" x 7/8"	A1180500	8,600	10
9" x 1/4" x 7/8"	A1180503	6,600	10

STEEL/ STAINLESS STEEL GRINDING

thickness:
1/4"

PROLINE ●●●

Material:

- Hardened steels
- High-alloyed steels
- Structural steels
- Tool steels

Application examples:

- Weld seam preparation
- Levelling
- Edge grinding
- Surface grinding

Product Advantages:

- High stock removal
- Efficient
- Comfortable grinding performance

RS2



Hardness: ●●●●●●
Lifetime: ●●●●●●
Stock removal: ●●●●●●

These versatile grinding discs are ideal for the treatment of hard materials. The high stock removal efficiency means that the RS2 grinds efficiently with a long lifetime.



RS2	Type 27		
		RPM	
3" x 1/4" x 3/8"	A1180518	20,100	25
4" x 1/4" x 5/8"	A1180506	15,280	25
4 1/2" x 1/4" x 7/8"	A1180507	13,300	25
5" x 1/4" x 7/8"	A1180508	12,200	25
6" x 1/4" x 7/8"	A1180517	10,185	10
7" x 1/4" x 7/8"	A1180509	8,600	10
9" x 1/4" x 7/8"	A1180510	6,600	10
4 1/2" x 5/32" x 7/8"	A1180519	13,285	25
5" x 5/32" x 7/8"	A1180520	12,200	25
6" x 5/32" x 7/8"	A1180521	10,185	25
7" x 5/32" x 7/8"	A1180522	8,600	10

thickness:
1/4"

TOPLINE ●●●

Material:

- Hardened steels
- High-alloyed steels
- Structural steels
- Tool steels

Application examples:

- Weld seam preparation
- Levelling
- Edge grinding
- Surface grinding

Product Advantages:

- High stock removal
- Long lifetime
- Efficient
- Comfortable grinding performance

RS63



Hardness: ●●●●●●
Lifetime: ●●●●●●
Stock removal: ●●●●●●

The RS63, suitable for steel or stainless steel, has extra long life and high metal removal. New formulation for bonding & grain mixtures



RS63	Type 27		
		RPM	
4 1/2" x 1/4" x 7/8"	A1180431	13,300	25
5" x 1/4" x 7/8"	A1180432	12,200	25
7" x 1/4" x 7/8"	A1180434	8,600	10

STEEL/ STAINLESS STEEL GRINDING

thickness:
1/4"

TOPLINE ●●●

Material:

- Hardened steels
- High-alloyed steels
- Structural steels
- Tool steels

Application examples:

- Weld seam preparation
- Levelling
- Edge grinding
- Surface grinding

Product Advantages:

- High stock removal
- Long lifetime
- Efficient
- Comfortable grinding performance

RS67



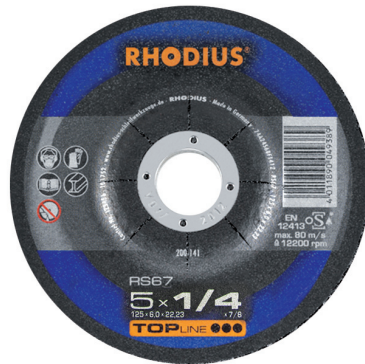
Hardness:

Lifetime:

Stock removal:



Long lifetime! High cutting capacity! Little force is needed during use: Three factors that ensure excellent efficiency. The easy grinding grinding disc is the top product to grind steel. The time savings thanks to the high stock removal and excellent lifetime guarantee an outstanding price performance ratio.



RS67

Type 27

4 1/2" x 1/4" x 7/8"	A1180390	13,300	25
5" x 1/4" x 7/8"	A1180391	12,200	25
7" x 5/16" x 7/8"	A1180392	8,600	10

thickness:
1/4"

PROLINE ●●○

Material:

- Rust- and acid-proofed steels
- Hardened steels
- Structural steels
- Tool steels

Application examples:

- Weld seam preparation
- Burr removing
- Levelling
- Edge grinding
- Surface grinding
- Welding seams

Product Advantages:

- Comfortable grinding performance
- Long lifetime
- High stock removal
- Efficient

RS38



Hardness:

Lifetime:

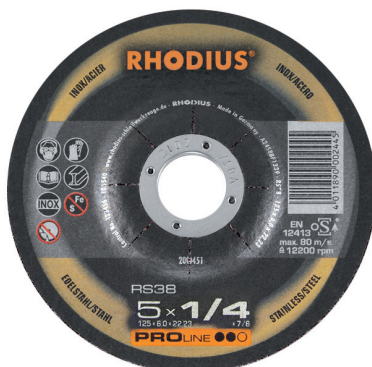
Stock removal:

Nuclear Rated



No wonder the RS38 is a Rhodius best seller!

The iron-and sulphur-free grinding discs grind easily and offer a high stock removal efficiency and very long lifetime. Their excellent price performance ratio have made them a best seller in the assortment for many years.



iron-and sulphur-free

RS38

Type 27

4 1/2" x 1/4" x 7/8"	A1180511	13,300	25
5" x 1/4" x 7/8"	A1180512	12,200	25
6" x 1/4" x 7/8"	A1180523	10,185	10
7" x 1/4" x 7/8"	A1180513	8,600	10
9" x 1/4" x 7/8"	A1180514	6,600	10

STEEL/ STAINLESS STEEL GRINDING



Material:

- Structural steels
- Tool steels
- Hardened steels
- High tensile steels
- Rust- and acid-proofed steels

Application examples:

- Surface grinding
- Edge diffractions
- Edge grinding
- Levelling
- Burr removing
- De-rusting, cleaning
- Forge grinding
- Welding seams
- Weld seam preparation

Product Advantages:

- Comfortable grinding performance
- Aggressive grinding
- Cool grinding
- Choice of grain size

RS39
HURRICANE



Hardness:



Lifetime:



Stock removal:



Nuclear Rated



The special profiling ensures an optimally aligned support and thus an extremely aggressive stock removal performance with continuous chip removal. The cool grinding minimizes material discoloration. The choice of grit size (40/60/80) makes for maximum flexibility for your desired finish. Maximum stock removal in the shortest of times significantly reduces the machining time.



Iron- and sulphur-free

RS39 HURRICANE

Type 29

	40	60	80	RPM	
4 1/2" x 3/16" x 7/8"	A3180151	A3180152	A3180153	13,300	25
5" x 3/16" x 7/8"	A3180161	A3180162	A3180163	12,200	25

STEEL/ STAINLESS STEEL/ALUMINIUM GRINDING

thickness:

9/32"

TOP LINE

Material:

- Rust- and acid-proofed steels
- Hardened steels
- High tensile steels
- High-alloyed steels
- Non-ferrous metals
- Structural steels
- Tool steels
- Galvanized parts
- Grey cast iron

Application examples:

- Welding seams
- Weld seam preparation
- Edge grinding
- Surface grinding
- Bevelling
- Burr removing
- Levelling
- Cleaning of aluminium castings
- Cleaning of castings
- Forge grinding

Product Advantages:

- Long lifetime
- High stock removal
- Efficient
- No clogging
- Less set-up times
- High flexibility cast

RS3 IN 1



Hardness:



Lifetime:



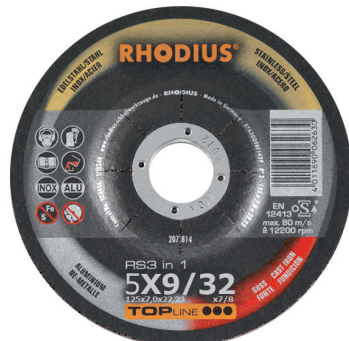
Stock removal:



Nuclear Rated



Process steel, stainless steel or aluminium with ONE grinding disc! These three materials now pose no problem for the multi-talented RS3-in-1.



Iron- and sulphur-free

RS3 IN 1

Type 27

		RPM	
4 1/2" x 9/32" x 7/8"	A3180591	13,300	10
5" x 9/32" x 7/8"	A3180592	12,200	10
7" x 9/32" x 7/8"	A3180593	8,600	10

ALUMINIUM GRINDING



Clogged wheel



Non-clogged wheel

APPLICATION MATRIX

Quality		TOP LINE ●●●
Grinding aluminium		RS24
Material		
Alloys such as brass, bronze		•
Non-ferrous metals		•
Application examples		
Corner and edge grinding		•
Levelling		•
Burr removing		•
Surface grinding		•
Cleaning of castings		•
Welding seams		•
Weld seam preparation		•

thickness:

1/4"

TOP LINE ●●●

Material:

- Non-ferrous metals
- Al-alloys like brass, bronze, bearing metal

Application examples:

- Weld seam preparation
- Levelling
- Edge grinding
- Surface grinding
- Cleaning of castings

Product Advantages:

- High stock removal
- No clogging of the wheel
- Aggressive grinding
- Minimal heating of the material

RS24



Hardness:



Lifetime:

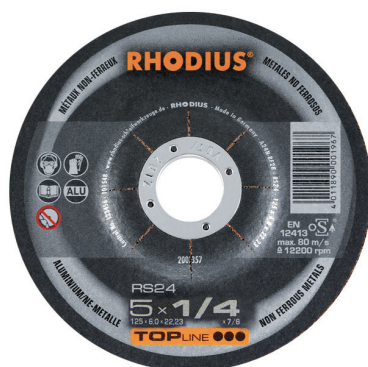


Stock removal:



The Rhodius specialist for grinding aluminium.

The RS24 offers a very good stock removal performance and long life time. Special filling materials prevent clogging and guarantee efficient, continuous grinding.



RS24

Type 27



4 1/2" x 1/4" x 7/8"

A1180533

13,300

25

5" x 1/4" x 7/8"

A1180536

12,200

25

7" x 1/4" x 7/8"

A1180534

8,600

10

9" x 1/4" x 7/8"

A1180535

6,600

10

STONE GRINDING

APPLICATION MATRIX STONE FREEHAND GRINDING DISCS



Quality		TOP LINE ●●●
Grinding stone		RS 66
Material		
Limestone		•
Pumice stone		•
Artificial stone		•
Structural plaster		•
Concrete products		•
Marble		•
Grey cast iron*		•
Titanium*		•
Application examples		
Corner and edge grinding		•
Levelling		•
Surface grinding		•
Cleaning of castings		•
Floor slabs		•
Road kerb		•
Floor pavement		•



Grinding stone materials – natural or artificial stone – usually produces a lot of dust. It is thus recommended that you use wet cutting tools and suitable breathing protection because natural stones and artificially manufactured stones may contain quartz dusts that are hazardous to health.

thickness:
1/4"
TOP LINE ●●●

Material:

- Building materials
- Grey cast iron
- Non-ferrous metals
- Alloys like brass, bronze, AL-MG alloys

Application examples:

- Edge grinding
- Surface grinding
- Levelling
- Cleaning of castings

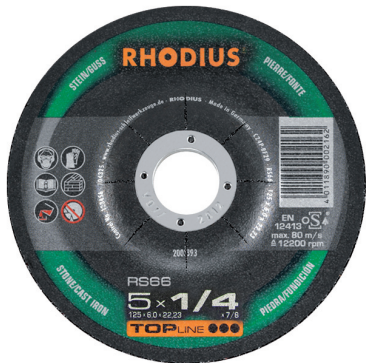
Product Advantages:

- Long lifetime
- Good stock removal performance

RS66

Hardness: ●●●○○○
 Lifetime: ●●●●●●
 Stock removal: ●●●○○○

A wide variety of uses! This grinding disc for the treatment of stones and cast materials has a long life time and high stock removal capability, for example during surface grinding or cleaning of castings. Also for grey cast iron and titanium.



RS66		Type 27	
4 1/2" x 1/4" x 7/8"	A1180527	13,300	25
5" x 1/4" x 7/8"	A1180530	12,200	25
7" x 1/4" x 7/8"	A1180528	8,600	10
9" x 1/4" x 7/8"	A1180529	6,600	10

STEEL/ STAINLESS STEEL GRINDING

THE FUSION OF BRAINTOOLS®

Up to now there have been no optimum grinding tools for processing in confined spaces and sharp angles such as fillet welds. Flap discs have specific use but are uneconomical because only the flap projection is used, leaving a large part of the abrasive unused. Processing with electric files, on the other hand, is strenuous and time-consuming while the grinding pattern of roughing wheels is too coarse. What has been missing so far is an efficient solution for grinding fillet welds that combines fine grinding with an optimum lifetime, even in sharp angles. Now it's here: the FS1 FUSION.



Material:

- Rust- and acid-proofed steels
- High tensile / high-alloyed steels
- Hardened steels
- Structural steels
- Tool steels
- Grey cast iron
- Hardox

Application examples:

- Fillet weld treatment
- Edge grinding
- Surface grinding
- Levelling
- Burr removing
- Welding seams
- Weld seam preparation
- Forge grinding

Product Advantages:

- Free choice of grain size
- Dressable edge
- No tool change
- High stock removal
- No clogging
- Cool grinding
- Comfortable grinding performance
- Efficient

FS1 FUSION



Hardness:



Lifetime:



Stock removal:



The FS1 FUSION combines the long life of a grinding disc with the fine grinding pattern of a flap disc. It works with high finish in fillet welds so that the work piece can be galvanised or lacquered immediately afterwards. It is available in various grits doing away with additional fine grinding. Its clean cut with high stock removal ensures an outstanding stock removal performance. The FS1 FUSION can be profiled in the edge area to allow individual processing for almost every case.

Nuclear Rated



FS1 FUSION

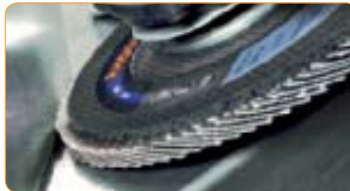
	40	60	80	Type 27	
	⊕	⊕	⊕	⊕	⊕
4 1/2" x 3/16" x 7/8"	A3180251	A3180252	A3180253	13,300	10
4 1/2" x 1/4" x 7/8"	A3180526	A3180527	A3180528	13,300	10
5" x 3/16" x 7/8"	A3180261	A3180262	A3180263	12,200	10
5" x 1/4" x 7/8"	A3180536	A3180537	A3180538	12,200	10
7" x 9/32" x 7/8"	A3180556	A3180557	A3180558	8,900	10

FS1 FUSION



Economical since it can be used up completely when processing fillet welds

REGULAR FLAP DISC



Inefficient, because most of the abrasive material remains unused

FS1 FUSION



Long life cycle of a grinding disc. Fine Grinding surface pattern of a grinding wheel.



GRINDING / Flap discs



Quality	BRAINTOOLS®		TOP LINE ●●●		PRO LINE ●●●		ALPHA LINE ●●●	
Grinding / Flap Discs	LSZ VISION	VLS VISION	JUMBO LONG LIFE	JUMBO SPEED	LSZ/LGZ F	LSZ/LGZ F1	LSZ P1	VLS
Material								
Rust- and acid-protected steels	•	•	•	•	•	•	•	•
Structural steels	•	•	•	•	•	•	•	•
Tool steels	•	•	•	•	•	•	•	•
Hardened steels / high tensile steels	•	•			•	•	•	•
High-alloyed steels	•	•			•	•	•	•
Hardox	•	•			•	•	•	
High tensile metal sheets	•	•	•	•	•	•	•	•
Alloys such as brass, bronze	•	•			•	•	•	•
Non-ferrous metals	•	•			•		•	•
All plastics*		•			•			•
Wood, varnish, filler*	•	•	•	•	•	•	•	•
Application examples								
Corner and edge grinding	•		•	•	•	•	•	•
Levelling	•	•	•	•	•	•	•	•
Burr removal	•	•	•	•	•	•	•	•
De-rusting, cleaning	•	•	•	•	•	•	•	•
Surface grinding	•	•	•	•	•	•	•	•
Welding seams	•	•	•	•	•	•	•	•
Weld seam preparation	•		•	•	•	•	•	•
Forge grinding			•	•				
Galvanized parts			•	•				
Roughing surfaces	•		•	•	•	•	•	•

*Other material suitability

Rhodium TIP: ALUMINIUM GRINDING with Flap discs



Clogged wheel



Non-clogged wheel

Flap discs are only conditionally suitable for the treatment of aluminium. There is however a trick to help you achieve good results: silicon free cutting spray or grinding grease prevents the fast clogging of the flap discs. The LSZ F VISION in particular achieves outstanding results if treated in this way.



STEEL/ STAINLESS / NON-FERROUS

Wood, Plastics, Fibreglass

THE VISION OF BRAINTOOLS®

Over 60 years of grinding with no outlook. Almost an anniversary, but an annoying one because since the hand held angle grinder was invented you can't see where and how much you are grinding. The tarnishing that occurs due to an excessive build up of heat often damages the workpieces sometimes so badly that they become useless. Excessive stock removal is another problem. This calls for expensive reworking. The constant checks to avoid processing errors that were necessary up to now have meant that the machine has to be repeatedly set down and picked up. VISION discs, designed according to the principle of a fan, become transparent in operation and solve the problem once and for all!



Material:

- Rust- and acid-proofed steels
- Hardox
- High tensile metal sheets
- Structural steels
- Tool steels
- Non-ferrous metals
- Wood, varnish, filler
- Plastics
- Fibreglass

Application examples:

- Galvanized parts
- Welding seams
- Burr removing
- Levelling
- De-rusting
- Surface grinding
- Edge grinding
- Cleaning

Product Advantages:

- Free view on the workpiece
- High stock removal
- Cool grinding
- Low vibration
- Comfortable grinding performance
- Low noise

LSZ F
VISION

St/St

Steel

Fe
S



80
m/s



NUCLEAR
RATED!

Lifetime:



Stock removal:



Nuclear Rated



Thanks to its recesses the LSZ F VISION becomes transparent during rotation (Fig. below and left). This guarantees a free view of the workpiece, the user sees how much and where he is grinding. This allows a permanent check of the results without putting the machine down: the stock removal can thus be selectively controlled to reduce costly processing errors. This also cuts processing time and increases efficiency. But it also means less stress and a lower physical load combined with a very high efficiency.



Iron- and sulphur-free

LSZ F VISION

Type 29 Angled

⊕	40	60	80	13,280	10
4 1/2" x 7/8"	C318016611	C318016711	C318016811	13,280	10
5" x 7/8"	C318017111	C318017211	C318017311	12,200	10



Three clever recesses provide an unobstructed view of the workpiece...



... better surface quality



... and controlled material removal.

STEEL/ STAINLESS / NON-FERROUS

Wood, Plastics, Fibreglass

THE VISION OF BRAINTOOLS®



Material:

- Rust- and acid-proofed steels
- High tensile / high-alloyed steels
- Structural steels
- Tool steels
- Non-ferrous metals
- Wood, varnish, filler
- Plastics
- Fibreglass
- Carbon fibre reinforced plastic

Application examples:

- Welding seams
- Burr removing
- Levelling
- De-rusting
- Surface grinding
- Cleaning

Product Advantages:

- Free view on the workpiece
- Extra fine grinding pattern
- Cool grinding
- Comfortable grinding performance
- Low noise
- Low vibration
- Few sparks
- Low development of dust
- Efficient

VLS
VISION



Lifetime:



Stock removal:



When fine grinding and polishing high grade materials such as stainless steel, processing errors are often very expensive, tarnishing and material distortion can render the workpiece useless. Based on the VISION concept, the non-woven flap disc VLS also becomes transparent during work. The appearance of tarnish colours is effectively avoided by a permanent optical control of the operations and the cool-ing effect. The VLS VISION is available in 3 gauges. These advantages make the VLS VISION the ideal tool for every type of fine grinding through to preparation for polishing. Finishing may also be able to be completely eliminated depending on the required fineness.



Iron- and sulphur-free

VLS VISION



Type 29 Angled

	COARSE	MEDIUM	FINE		
⊕				⊕	
4 1/2" x 7/8"	C318018544	C318018644	C318018744	13,285	10
5" x 7/8"	C318020244	C318020344	C318020444	12,200	10

Cleaning and polishing with a clear view of the workpiece



Gentle surface treatment



STEEL/ STAINLESS / NON-FERROUS

Wood, Plastics, Fibreglass



Material:

- Rust- and acid-proofed steels
- High tensile steels
- Structural steels
- Tool steels
- Non-ferrous metals
- Alloys
- Wood, varnish, filler
- Fibreglass

Application examples:

- Welding seams
- Burr removing
- Levelling
- De-rusting
- Cleaning
- Surface grinding
- Edge grinding

Product Advantages:

- High stock removal
- Cool grinding
- Low vibration
- Comfortable grinding performance
- Low noise

LSZ F



Lifetime: ●●●●●○
Stock removal: ●●●●●○
Nuclear Rated



Fibre support, zirconium

LSZF (angled shape) :The flap disc with fibre support is suitable for various uses and optimises efficient working through an aggressive abrasive behaviour and long lifetime. The abrasive belt with high grade zirconium and special filling materials ensure a particularly cool grinding. When machining stainless steel the LSZ F achieves optimum stock removal performance with a very long lifetime. The LSZ F is ideally suited for surface and edge grinding.

Iron- and sulphur-free

LSZ F

	40	60	80	Type 29 Angled	
⊕	40	60	80	13,285	10
4 1/2" x 7/8"	C31801852	C31801862	C31801872	12,200	10
5" x 7/8"	C31802022	C31802032	C31802042	8,600	10
7" x 7/8"	C31801932	C31801942	C31801952		



Material:

- Rust- and acid-proofed steels
- High tensile steels
- Structural steels
- Tool steels
- Non-ferrous metals
- Alloys
- Wood, varnish, filler
- Fibreglass

Application examples:

- Welding seams
- Burr removing
- Levelling
- De-rusting
- Cleaning
- Edge grinding
- Surface grinding

Product Advantages:

- High stock removal
- Cool grinding
- Low vibration
- Comfortable grinding performance
- Low noise

LSZ F1



Lifetime: ●●●●●○
Stock removal: ●●●●●○
Nuclear Rated



Fibre support, zirconium

The LSZ F1 (angled type) achieves very good results with stainless steel and the best results with steel thanks to their very high stock removal. High grade zirconium ensures very cool grinding. The LSZ F1 with fibre support are ideal for surface and edge grinding and convince through their long lifetime.

Iron- and sulphur-free

LSZ F1

	24	120	Type 29 Angled	
⊕	24	120	13,285	10
4 1/2" x 7/8"	C31801842	C31801882	12,200	10
5" x 7/8"	C31802012	C31802052	8,600	10
7" x 7/8"	C31801922	C31801962		

STEEL/ STAINLESS / NON-FERROUS

Wood, Plastics, Fibreglass



Material:

- Rust- and acid-proofed steels
- High tensile steels
- Structural steels
- Tool steels
- Non-ferrous metals
- Alloys
- Wood, varnish, filler
- Fibreglass

Application examples:

- Welding seams
- Burr removing
- Levelling
- De-rusting
- Cleaning
- Edge grinding
- Surface grinding

Product Advantages:

- High stock removal
- Cool grinding
- Low vibration
- Comfortable grinding performance
- Low noise

LSZ F2



Lifetime: ●●●○○○
Stock removal: ●●●●●○

Nuclear Rated



Fibre support, zirconium

The flap disc (angled form) with fibre support, high stock removal efficiency through zirconium and along lifetime for the price conscious user. The flat coating also allows optimum grinding results in grooves and slots.

Iron- and sulphur-free

LSZ F2

Type 29 Angled

	40	60	80	RPM	
4 1/2" x 7/8"	C31801661	C31801671	C31801681	13,285	10
5" x 7/8"	C31801711	C31801721	C31801731	12,200	10



Material:

- Rust- and acid-proofed steels
- High tensile steels
- Structural steels
- Tool steels
- Non-ferrous metals
- Alloys
- Wood, varnish, filler
- Fibreglass

Application examples:

- Welding seams
- Burr removing
- Levelling
- De-rusting
- Cleaning
- Edge grinding
- Surface grinding

Product Advantages:

- High stock removal
- Cool grinding
- Low vibration
- Comfortable grinding performance
- Low noise

LSZ P1



Lifetime: ●●●●●○
Stock removal: ●●●●●○



Polyamide support, zirconium

The LSZ P1 achieves very good results with stainless steel and the best results with steel thanks to its very high stock removal. High grade zirconium ensures very cool grinding. The angled shape of the flap disc with reinforced plastic support is ideal for surface grinding and provides confidence of quality through its long lifetime.

Iron- and sulphur-free

LSZ P1



Type 29 Angled

	24	40	60	80	120	RPM	
4 1/2" x 7/8"	C3180165	C3180166	C3180167	C3180168	C3180169	13,285	10
5" x 7/8"	C3180170	C3180171	C3180172	C3180173	C3180174	12,200	10
7" x 7/8"		C3180176	3180177	C3180178	C3180179	8,600	10

STEEL/ STAINLESS / NON-FERROUS

Wood, Plastics, Fibreglass



Material:

- Rust- and acid-proofed steels
- High tensile steels
- Structural steels
- Tool steels
- Non-ferrous metals
- Alloys
- Wood, varnish, filler
- Fibreglass

Application examples:

- Welding seams
- Burr removing
- Levelling
- De-rusting
- Cleaning
- Surface grinding
- Edge grinding

Product Advantages:

- High stock removal
- Cool grinding
- Low vibration
- Comfortable grinding performance
- Low noise

LGZ F



Lifetime:
Stock removal:

Nuclear Rated



Fibre support, zirconium

LGZ F (flat shape): The flap disc with fibre support is suitable for various uses and optimizes efficient working through an aggressive abrasive behaviour and long lifetime. The abrasive belt with high grade zirconium and special filling materials ensure a particularly cool grinding. When machining stainless steel the LGZF achieves optimum stock removal performance with a very long lifetime. The LGZ F is ideally suited for surface and edge grinding.

Iron- and sulphur-free

LGZ F

Type 27 Flat

	40	60	80	RPM	
4 1/2" x 7/8"	C31801853	C31801863	C31801873	13,285	10
5" x 7/8"	C31802023	C31802033	C31802043	12,200	10
7" x 7/8"	C31801933	C31801943	C31801953	8,600	10



Material:

- Rust- and acid-proofed steels
- High tensile steels
- Structural steels
- Tool steels
- Non-ferrous metals
- Alloys
- Wood, varnish, filler
- Fibreglass

Application examples:

- Welding seams
- Burr removing
- Levelling
- De-rusting
- Cleaning
- Edge grinding
- Surface grinding

Product Advantages:

- High stock removal
- Cool grinding
- Low vibration
- Comfortable grinding performance
- Low noise

LGZ F1



Lifetime:
Stock removal:
Nuclear Rated



Fibre support, zirconium

The LGZ F1 (flat type) achieve very good results with stainless steel and the best results with steel thanks to their very high stock removal. High grade zirconium ensures very cool grinding. LGZ F1 with fibre support are ideal for surface and edge grinding and convince through their long lifetime.

Iron- and sulphur-free

Also available in Type 29 Angled

LGZ F1

Type 27 Flat

	24	120	RPM	
4 1/2" x 7/8"	C31801843	C31801883	13,285	10
5" x 7/8"	C31802013	C31802053	12,200	10
7" x 7/8"		C31801963	8,600	10

STEEL/ STAINLESS / NON-FERROUS

Wood, Plastics, Fibreglass

'THE NEXT GENERATION'



Material:

- Rust- and acid-proofed steels
- High tensile metal sheets
- Structural steels
- Tool steels
- Wood, varnish, filler

Application examples:

- Welding seams
- Burr removing
- Levelling
- Surface grinding
- Edge grinding
- Weld seam preparation
- Galvanized parts
- Roughen of surfaces
- Forge grinding
- De-rusting, cleaning

Product Advantages:

- Extra long flaps
- Very long lifetime
- High stock removal
- Comfortable grinding performance
- Efficient
- Low noise
- Low vibration

JUMBO LONGLIFE



Lifetime:



Stock removal



Fibre support, zirconium

More durable and more productive thanks to significantly more abrasive material:

Having longer and a greater number of abrasive flaps on the disc, significantly increases the performance and efficiency, providing greater power for material removal and 30% greater durability (compared with LSZ F TOPline). So the efficiency of the JUMBO LONG-LIFE is outstanding in comparison with conventional flap discs. It is particularly suitable for edge grinding and is the specialist disc for heavy-duty applications.



JUMBO LONGLIFE

Type 29 Angled

4 1/2" x 7/8"	40	C31801855	10
4 1/2" x 7/8"	60	C31801865	10
4 1/2" x 7/8"	80	C31801875	10
5" x 7/8"	40	C31802025	10
5" x 7/8"	60	C31802035	10
5" x 7/8"	40	C31802045	10



Material:

- Rust- and acid-proofed steels
- High tensile metal sheets
- Structural steels
- Tool steels
- Wood, varnish, filler

Application examples:

- Welding seams
- Burr removing
- Levelling
- Surface grinding
- Edge grinding
- Weld seam preparation
- Galvanized parts
- Roughen of surfaces
- Forge grinding
- De-rusting, cleaning

Product Advantages:

- Extra long flaps
- Extremely high stock removal efficiency
- Comfortable grinding performance
- Efficient
- Aggressive grinding
- Low vibration
- Low noise

JUMBO SPEED



Lifetime:



Stock removal:



Fibre support, zirconium

Delivers even better performance, higher stock removal and faster finishing times!

Extra-long Zirconia abrasive flaps ensures greater contact area, higher stock removal and faster finishing times. The new improved high quality Zirconia abrasive cloth extends the life considerably over a conventional flap disc, resulting in fewer disc changes, less down time and more productivity.



JUMBO SPEED

Type 29 Angled

4 1/2" x 7/8"	40	C31801856	10
4 1/2" x 7/8"	60	C31801866	10
4 1/2" x 7/8"	80	C31801876	10
5" x 7/8"	40	C31802026	10
5" x 7/8"	60	C31802036	10
5" x 7/8"	80	C31802046	10

STEEL/ STAINLESS / NON-FERROUS

Wood, Plastics, Fibreglass



Material:

- Rust- and acid-proofed steels
- High tensile metal sheets
- Structural steels
- Tool steels
- Wood, varnish, filler

Application examples:

- Welding seams
- Burr removing
- Levelling
- Surface grinding
- Edge grinding
- Weld seam preparation
- Galvanized parts
- Roughen of surfaces
- Forge grinding
- De-rusting, cleaning

Product Advantages:

- Extra long flaps
- Extremely high stock removal efficiency
- Comfortable grinding performance
- Efficient
- Aggressive grinding
- Low vibration
- Low noise

JUMBO SPEED CERAMICON



CERAMICON



Extra long flaps allow fast and aggressive grinding through large supporting surface. Ceramic grains are especially advantageous when treating hardened and tempered steel, tinter areas and titanium. They provide a high stability when treating edges.



JUMBO SPEED CERAMICON

Type 29 Angled

4 1/2" x 7/8"	40	C31801857	10
4 1/2" x 7/8"	60	C31801867	10
4 1/2" x 7/8"	80	C31801877	10
5" x 7/8"	40	C31802027	10
5" x 7/8"	60	C31802037	10
5" x 7/8"	80	C31802047	10

STEEL / STAINLESS / NON FERROUS

Wood, Plastics, Fibreglass



Material:

- Rust- and acid-proofed steels
- High tensile / high-alloyed steels
- High tensile metal sheets
- Structural steels
- Tool steels
- Non-ferrous metals
- Wood, varnish, filler
- Fibreglass
- Carbon fibre reinforced plastic

Application examples:

- Welding seams
- Burr removing
- Levelling
- De-rusting
- Cleaning
- Surface grinding
- Plastics

Product Advantages:

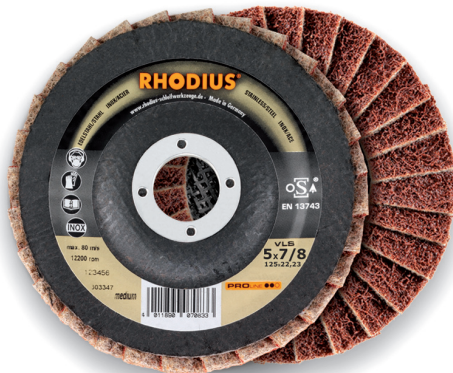
- Extra fine grinding pattern
- Comfortable grinding performance
- Low noise
- Few sparks
- Low vibration
- Even grinding pattern

VLS



Lifetime: ●●●●○○
Stock removal: ●●●○○○

Non-woven flap disc for gentle surface treatment, fibre support



VLS

Type 29 Angled

4 1/2" x 7/8"	COARSE	C31801854	10
4 1/2" x 7/8"	MEDIUM	C31801864	10
4 1/2" x 7/8"	FINE	C31801874	10
5" x 7/8"	COARSE	C31802024	10
5" x 7/8"	MEDIUM	C31802034	10
5" x 7/8"	FINE	C31802044	10

PRODUCT DESIGNATION

THE DISC LABEL.

Material symbols

for the material to be processed:

- Stainless steel/steel
- Stone
- Steel
- Cast-iron
- Aluminium

Dimensions

in mm and inches

5 x 3/64

Disc diameter

Width of disc
(for cutting and roughing wheels)

Segment height
(for diamond discs)

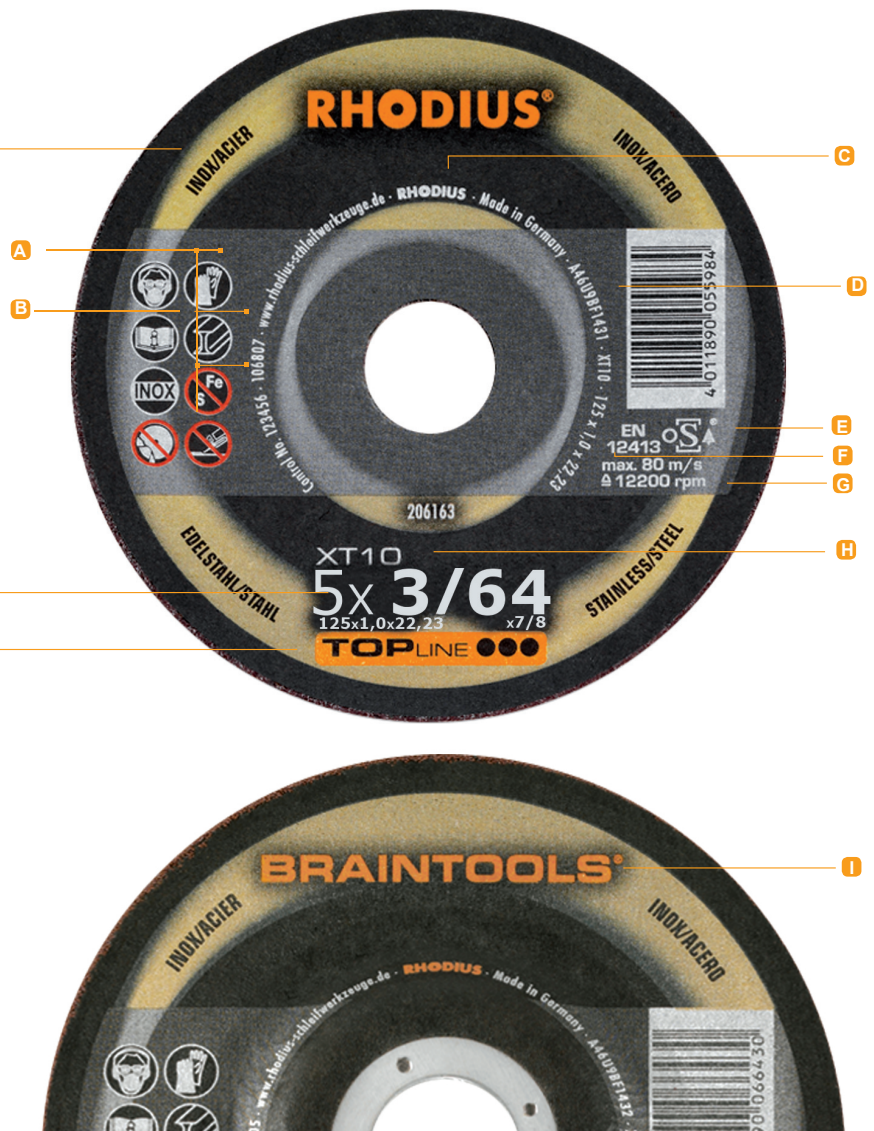
Quality reference

(this code is not found on any Braintools)

TOPLINE ●●●

PROLINE ●●○

ALPHALINE ●○○



General overview

A Safety pictograms → Overview at end of catalogue

B Material pictograms

C Manufacturer

D ISO name

E oSa identification

F European Standard for Bonded Grinding Tools

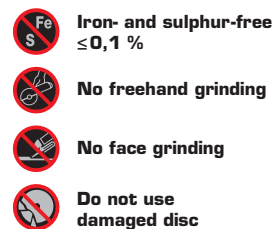
G Maximal permissible working speed

H Product reference

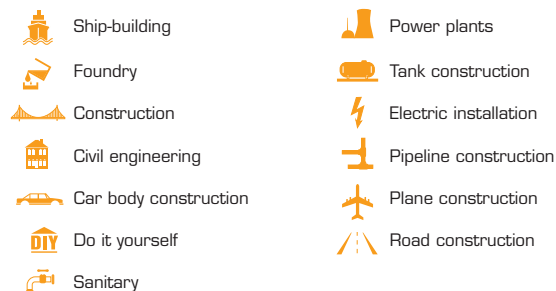
I Identification Braintools

EXPLANATION OF SYMBOLS

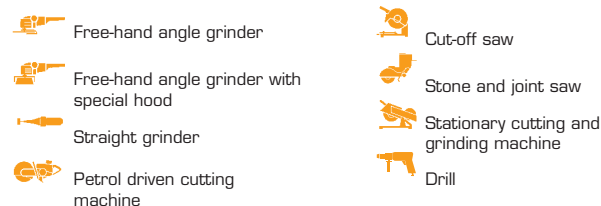
MATERIAL REFERENCE AND SAFETY DESIGNATION.



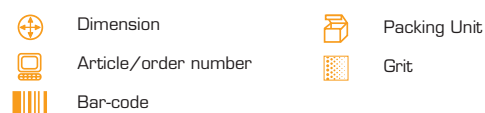
APPLICATIONS



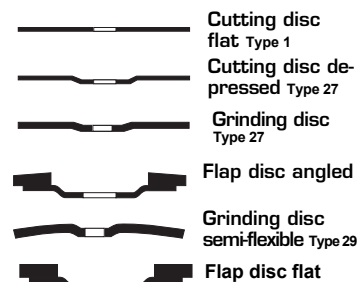
MACHINES



PRODUCT DETAILS



SHAPES



MAXIMUM WORKING SPEEDS

The maximum permissible working speed is indicated on the grinding tool by:

- The colour of the cross beam
- The speed in m/s:

BLUE	YELLOW	RED	GREEN
50	63	80	100

Speedguide

V[m/sec]					
d ₁ [mm]	d ["]				
			rpm		
30	1 1/4	31830	40105	50900	63660
40	1 1/2	23870	30080	38200	47750
50	2	19100	24060	30560	38200
65	2 1/2	14690	18510	23500	29380
75	3	12565	15830	20100	25130
100	4	9550	12030	15280	19100
115	4 1/2	8300	10460	13285	16610
125	5	7640	9630	12200	15280
150	6	6370	8020	10185	12780

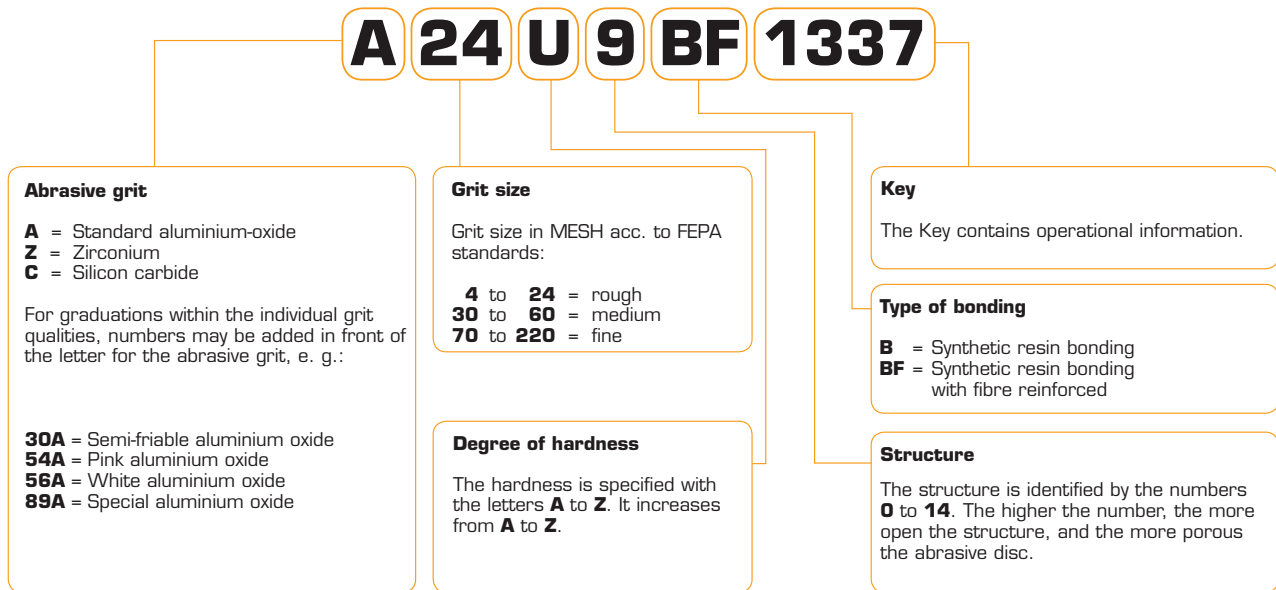
Speedguide

V[m/sec]					
d ₁ [mm]	d ["]				
			rpm		
180	7	5310	6685	8600	10610
200	8	4775	6015	7640	9550
230	9	4150	5230	6600	8300
250	10	3820	4810	6110	7640
300	12	3180	4010	5100	6365
350	14	2730	3440	4365	5460
400	16	2380	3010	3820	4775
450	18	2120	2675	3395	4245
500	20	1910	2405	3060	3820
600	24	1590	2005	2550	3180

DESIGNATION OF ABRASIVE DISCS.

Designation of abrasive discs according to EN 12413:

On the abrasive discs the type of grit, grit size, hardness, structure, bonding and code are indicated.



oSa-manufacturers guarantee safety.

oSa stands for "Organisation for the Safety of Abrasives". Leading manufacturers of quality abrasives have joined together in this international organisation to document the high safety standard of their brand and quality products.

What does the oSa-symbol mean for you?

Through the oSa trademark, Rhodius guarantees that the tool marked in this way has been manufactured according to the world-wide strict guidelines of the oSa. All Rhodius cutting and grinding tools bear the oSa trademark and thus meet the highest safety standards. Rhodius is also a founding member of the oSa.



The Rhodius guarantee

Rhodius - your partner for tool safety at the highest level. Rhodius is a leading manufacturer of grinding tools and meets all the requirements of national and international laws, standards and guidelines because the Rhodius quality management system is certified according to EN ISO 9001 and thus guarantees compliance with all regulations.

More Products for the Professional

PROFLEXX

PROGRIND

procut

PROARC

FIBRE
DISCS

FLAP
WHEELS

FINISHING
WHEELS

SCUFFING
DISCS

QC
ABRASIVE
DISCS

BACKING
PADS

SHOP
ROLLS

PAINT
MARKERS

CARBIDE
BURRS

MOUNTED
POINTS

WIRE
BRUSHES

Fibre Discs PROFLEX

Material:

- Mild steel
- Cast iron
- Structural steel

Application:

- heavy duty sanding
- deburring of welds
- sheet metal
- steel plates



AFR

Steel

Standard Quality

- Special aluminum oxide full resin fibre discs

 Denotes grit

 25 discs

AFR



4 1/2" x 7/8"

5" x 7/8"

7" x 7/8"

24 


C1185201

36 


C1185202

50 


C1185204

60 


C1185205

80 


C1185206

100 


C1185207

120 


C1185208

C1185221

C1185222

C1185224

C1185225

C1185226

C1185227

C1185228

C1185241

C1185242

C1185244

C1185245

C1185246

C1185247

C1185248

SFR

ST/ST

Special Quality

- Special aluminum oxide with cooling agents

SFR



4 1/2" x 7/8"

5" x 7/8"

7" x 7/8"

24 


C1185301

36 


C1185302

50 


C1185304

60 


C1185305

80 


C1185306

100 


C1185307

120 


C1185308

C1185321

C1185322

C1185324

C1185325

C1185326

C1185327

C1185328

C1185341

C1185342

C1185344

C1185345

C1185346

C1185347

C1185348

CFR

Steel

ST/ST

High Performance

- Ceramic Grain

CFR



4 1/2" x 7/8"

5" x 7/8"

7" x 7/8"

24 


C1185411

36 


C1185412

50 


C1185414

60 


C1185415

80 


C1185416

100 


C1185417

120 


C1185418

C1185421

C1185422

C1185424

C1185425

C1185426

C1185427

C1185428

C1185441

C1185442

C1185444

C1185445

C1185446

C1185447

C1185448

ZFR

Steel

ST/ST

High Performance

- Zirconia full resin bonded fibre discs

ZFR



4 1/2" x 7/8"

5" x 7/8"

7" x 7/8"

24 


C1185351

36 


C1185352

50 


C1185354

60 


C1185355

80 


C1185356

C1185361

C1185362

C1185364

C1185365

C1185366

C1185371

C1185372

C1185374

C1185375

C1185376

Flap Wheels PROFLEX

Material:

- Steel
- Stainless Steel

Application:

- Surface preparation
- Blending / Finishing
- Light grinding

Product Advantages:

- Quick final finish on any metal surface
- Available in a variety of grits



Mounted Flap Wheels

Steel

ST/ST



Excellent for a quick final finish on any metal surface.

Use 60 or 80 grit for middle range surface preparation, blending and finishing and 120 grit for light grinding, finishing and tight contours.

Denotes grit

Standard 1/4" straight shank

25,000 RPM	40	60	80	120	180	240	320	
1" x 3/8"	C4190100	C4190101	C4190102	C4190103	C4190104	C4190105	C4190106	10
1" x 1/2"	C4190108	C4190109	C4190110	C4190111	C4190112	C4190113	C4190114	10
1" x 3/4"	C4190115	C4190116	C4190117	C4190118	C4190119	C4190120	C4190121	10
1" x 1"	C4190124	C4190125	C4190126	C4190127	C4190128	C4190129	C4190130	10
1 1/2" x 1/2"	C4190149	C4190150	C4190151	C4190152	C4190153	C4190154	C4190155	10
1 1/2" x 3/4"	C4190159	C4190160	C4190161	C4190162	C4190163	C4190164	C4190165	10
1 1/2" x 1"	C4190169	C4190170	C4190171	C4190172	C4190173	C4190174	C4190175	10

22,000 RPM	40	60	80	120	180	240	320	
2" x 3/8"	C4190200	C4190201	C4190202	C4190203	C4190204	C4190205	C4190206	10
2" x 1/2"	C4190208	C4190209	C4190210	C4190211	C4190212	C4190213	C4190214	10
2" x 3/4"	C4190216	C4190217	C4190218	C4190219	C4190220	C4190221	C4190222	10
2" x 1"	C4190224	C4190225	C4190226	C4190227	C4190228	C4190229	C4190230	10
2" x 1 1/2"	C4190234	C4190235	C4190236	C4190237	C4190238	C4190239	C4190240	10
2 1/2" x 1/2"	C4190244	C4190245	C4190246	C4190247	C4190248	C4190249	C4190250	10
2 1/2" x 3/4"	C4190254	C4190255	C4190256	C4190257	C4190258	C4190259	C4190260	10
2 1/2" x 1"	C4190263	C4190264	C4190265	C4190266	C4190267	C4190268	C4190269	10
2 1/2" x 1 1/2"	C4190270	C4190271	C4190272	C4190273	C4190274	C4190275	C4190276	10

20,000 RPM	40	60	80	120	180	240	320	
3" x 1/2"	C4190300	C4190301	C4190302	C4190303	C4190304	C4190305	C4190306	10
3" x 3/4"	C4190308	C4190309	C4190310	C4190311	C4190312	C4190313	C4190314	10
3" x 1"	C4190316	C4190317	C4190318	C4190319	C4190320	C4190321	C4190322	10
3" x 1 1/2"	C4190324	C4190325	C4190326	C4190327	C4190328	C4190329	C4190330	10

Finishing Scuffing PROFLEX

Finishing Wheels Application:

- MSP**
- Polishing metals
 - light deburring

- MSK**
- Achieve 'satin finish'
 - remove /blend metal edges, welds and burrs

Scuffing Discs Application:

- Rust /oxidization removal
- cleaning welds
- removal of discolouration
- Paint lacquer removal
- Surface cleaning

FINISHING WHEELS

Steel

ST/ST



MSK



Denotes grit

		10	MED	FINE	X-FINE
		10			
2" x 1" x 1/4"			C4190501	C4190502	C4190503
3" x 1 3/4" x 1/4"			C4190510	C4190511	C4190512

RPM
12,000
8,000

MSP



Denotes grit

		10	MED	FINE	X-FINE
		10			
2" x 1" x 1/4"			C4190601	C4190602	C4190603
3" x 1 3/4" x 1/4"			C4190610	C4190611	C4190612

SCUFFING DISCS

Steel

ST/ST

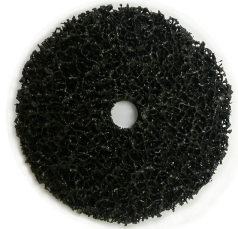


SPINDLE MOUNTED WHEELS



3" x 1/2" x 1/4"	C5191072	7,000	10
3" x 1" x 1/4"	C5191073	7,000	10
4" x 1/2" x 1/4"	C5191074	5,700	10
4" x 1" x 1/4"	C5191075	5,700	10

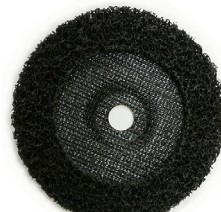
ARBOUR MOUNTED WHEELS



2" x 1/2" x 1/2"	C5191080	11,500	10
3" x 1/2" x 1/2"	C5191082	7,000	10
4" x 1/2" x 1/2"	C5191083	5,700	10
6" x 1/2" x 1/2"	C5191084	3,800	10
8" x 1/2" x 1/2"	C5191085	2,900	10

DEPRESSED CENTRE WHEELS

4 1/2" x 1/2" x 7/8"	C5191090	10,000	10
7" x 1/2" x 7/8"	C5191094	6,500	10



**Quick Change
Abrasive Disc
PROFLEX**

Material:

- Steel
- Stainless Steel

Application:

- Finishing
- Cleaning
- Polishing

Product Advantages:

- Available in variety of grits

PROFIXX

Steel

ST/ST

Uses a metal button to mount into the backing pad.
For use with QC PROFIXX see p.50



SURFACE CONDITIONING

Denotes grit

	COARSE	MED	FINE	
1 1/2"	C519105911	C519105912	C519105913	100
2"	C519105921	C519105922	C519105923	100
3"	C519105931	C519105932	C519105933	100



QC ABRASIVE DISC

Choice of Aluminium Oxide or Zirconium
Indicate your choice by adding AO or ZIR after the order numbers listed below

	24	36	50	60	80	100	120	
1 1/2"	C5191025	C5191026	C5191028	C5191019	C5191030	C5191031	C5191032	100
2"	C5191037	C5191038	C5191040	C5191041	C5191042	C5191043	C5191044	100
3"	C5191049	C5191050	C5191052	C5191053	C5191054	C5191055	C5191056	100

PROLOK

Steel

ST/ST

Uses a nylon screw to mount into the backing pad.
For use with QC PROLOK backing pads - see p.50



SURFACE CONDITIONING

	COARSE	MED	FINE	
1 1/2"	C519305911	C519305912	C519305913	100
2"	C519305921	C519305922	C519305923	100
3"	C519305931	C519305932	C519305933	100



QC ABRASIVE DISC

Choice of Aluminium Oxide or Zirconium
Indicate your choice by adding AO or ZIR after the order numbers listed below

	24	36	50	60	80
1 1/2"	C5193025	C5193026	C5193028	C5193029	C5193030
2"	C5193037	C5193038	C5193040	C5193041	C5193042
3"	C5193049	C5193050	C5193052	C5193053	C5193054

Aluminum oxide available in 2" and 3" inch only

Backing Pads PROFLEX

Material:

- Steel
- Stainless Steel
- Non-ferrous metals

FLEXIBLE

- High quality backing pad
- Suitable for heavy duty use.
- Flexible
- Extremely wear resistant.

Product Advantages:

TURBO

- Heavy duty backing pad
- Extra cooling ribs and air vents provide cooling action during grinding.
- Air flow cooling action extends life of the disc.
- Especially effective on Stainless Steel and Alloys.

FLEXIBLE BACKING PADS for Fibre Discs

See Fibre discs pg 52



BRIGHT ORANGE COLOUR
- EASY TO FIND
ON WORKBENCH OR
IN TOOLBOX



See Fibre discs pg 52



	arbour	
4 1/2"	5/8-11"	C2180904
5"	5/8-11"	C2180906
7"	5/8-11"	C2180908

	arbour	
4 1/2"	5/8-11"	C2180951
5"	5/8-11"	C2180953
7"	5/8-11"	C2180955

QUICK CHANGE BACKING PADS



High quality rubber backing pads with replaceable 1/4" shank adapter. Available in different densities to suit all applications.



PROFIXX



For use with
QC PROFIXX
Abrasive discs or
Surface conditioning

see pg 55



PROLOK



For use with
QC PROLOK
Abrasive discs or
Surface conditioning

see pg 55

	SOFT	MED	FIRM
1"	—	C2193002	—
1 1/2"	C2193003	C2193004	C2193005
2"	C2193006	C2193007	C2193008
3"	C2193009	C2193010	C2193011

	SOFT	MED	FIRM
1"	—	C2193022	—
1 1/2"	C2193023	C2193024	C2193025
2"	C2193026	C2193027	C2193028
3"	C2193029	C2193030	C2193031

Shop Roll PROFLEXX

Material:

- Steel

Application:

- Tool & Die
- Metal working
- Automotive
- Maintenance shops

Product Advantages:

- Available in 50 - 240 grit
- Extremely flexible
- Aggressive cutting action








SHOP ROLLS

Steel



Made from Aluminum oxide full resin cloth, PROFLEXX shop rolls are extremely flexible, with sharp aggressive cutting action. Currently used in Tool and Die, Metal working, maintenance shops, automotive (crankshafts) industries. Sold in 50 metre lengths, choice of grit.

 Denotes grit

	50	60	80	120	180	240
						
1" x 50m	C7196621	C7196622	C7196623	C7196625	C7196627	C7196628
1 1/2" x 50m	C7196601	C7196602	C7196603	C7196605	C7196607	C7196608
2" x 50m	C7196611	C7196612	C7196613	C7196615	C7196617	C7196618



Paint Markers PROARC

Application:

- Writes / paints on anything - immediately after uncapping
- Non-clogging and non-dripping
- No slipping, squealing or squeaking.
- Won't dry if left uncapped for 30-60 minutes.
- Will not smear or permeate paper.

Product Advantages:










- No paint mixing necessary
- Non-flammable and completely safe
- Easy-to-handle and easy-to-carry
- Even writes upside-down
- Dries permanently within 5-7 minutes after marking
- Marker won't fade or rub off after drying.

PAINT MARKERS



Conventional paint was once available only in liquid form due to the extreme difficulty of making it available in solid form for marking type pens. The Proarc Solid Marker is available in a variety of brilliant opaque colours. It is the world's first marking instrument that employs paint in solid form.

White and Yellow are stock items All other colours special order

WHITE	BLACK	YELLOW	ORANGE	BROWN	VIOLET	GREEN	BLUE	RED
								
W2300101	W2300102	W2300103	W2300104	W2300105	W2300106	W2300107	W2300108	W2300109

Welding Dam PROFLEXX

Application:

- Provides a consistent, clean route bead profile
- Stainless steel pipework and pressure vessels
- Pieces can be cut to size
- Can be used for any size pipe bore

Product Advantages:

- Replaces bulky cones and bladders
- Biodegradable soluble plastic (Non-contaminant)
- Non-toxic

DISSOLVO WELDING DAM



1 Dissolvo Dam Kit consists of
of 20 meters of 1 metre wide material
and 1 Soluble Adhesive bottle
containing 1/2 kg of adhesive



W1310103

This simple and easy to use product, specially evolved for the busy Welding Engineer replaces bulky cones, bladders, papers etc. The material is available in kit form of 20 square meters from which pieces can be cut up to 1 meter wide. Sold in a kit with 1/2 kg bottles of soluble Adhesive.

Chemical analysis shows fewer than 100 parts per million of any of the heavy metals

Tungsten Carbide Burrs PROFLEXx

Material:

- Steel
- Stainless Steel
- Alloys
- Castings
- Composite Materials

Application:

- Freehand deburring
- Grinding

Product Advantages:

- Highest quality raw materials used in mfg
- Strong tooth formation
- Long life
- Rapid metal removal

A-SHAPE CYLINDER



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PA42	3/32"	7/16"	F1200101-6
PA43	1/8"	9/16"	F1200102-6
1/4" brazed - 1/8" steel shank			
PA51	1/4"	1/2"	F1200106-6
1/4" solid carbide			
PA1	1/4"	5/8"	F1200110-6
brazed - 1/4" steel shank			
PA3	3/8"	3/4"	F1200117-6
PA5	1/2"	1"	F1200119-6
PA6	5/8"	1"	F1200120-6
PA7	3/4"	1"	F1200121-6
PA9	1"	1"	F1200123-6

B-SHAPE CYLINDER WITH END CUT



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PB42	3/32"	7/16"	F1200202-6
PB43	1/8"	9/16"	F1200203-6
1/4" brazed - 1/8" steel shank			
PB51	1/4"	1/2"	F1200206-6
1/4" solid carbide			
PB1	1/4"	5/8"	F1200210-6
brazed - 1/4" steel shank			
PB3	3/8"	3/4"	F1200216-6
PB5	1/2"	1"	F1200218-6
PB6	5/8"	1"	F1200219-6
PB7	3/4"	1"	F1200220-6
PB16	3/4"	3/4"	F1200221-6

C-SHAPE BULL NOSE



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PC41	3/32"	7/16"	F1200301-6
PC42	1/8"	9/16"	F1200302-6
1/4" brazed - 1/8" steel shank			
PC51	1/4"	1/2"	F1200306-6
1/4" solid carbide			
PC1	1/4"	5/8"	F1200310-6
brazed - 1/4" steel shank			
PC3	3/8"	3/4"	F1200316-6
PC5	1/2"	1"	F1200318-6
PC6	5/8"	1"	F1200319-6
PC7	3/4"	1"	F1200320-6

Burrs listed are Double Cut for general purpose (cut 6) Other Cuts available.

D-SHAPE BALL



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PD41	3/32"	3/32"	F1200401-6
PD42	1/8"	1/8"	F1200402-6
1/4" brazed - 1/8" steel shank			
PD51	1/4"	1/4"	F1200406-6
1/4" solid carbide			
PD1	1/4"	3/16"	F1200410-6
brazed - 1/4" steel shank			
PD3	3/8"	5/16"	F1200416-6
PD5	1/2"	7/16"	F1200417-6
PD6	5/8"	9/16"	F1200418-6
PD9	1"	1"	F1200420-6

E-SHAPE OVAL



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PE41	1/8"	7/32"	F1200501-6
1/4" brazed - 1/8" steel shank			
PE51	1/4"	3/8"	F1200506-6
1/4" solid carbide			
PE1	1/4"	3/8"	F1200510-6
brazed - 1/4" steel shank			
PE3	3/8"	5/8"	F1200516-6
PE5	1/2"	7/8"	F1200517-6
PE6	5/8"	1"	F1200518-6
PE7	3/4"	1"	F1200519-6

WORTH KNOWING

Operating Speeds

To obtain the best results from your Proflexx burrs it is necessary to have a hand grinder of correct speed to suit the diameter of the burr and material used. Very hard materials require slower speeds than soft materials. See chart below:

Burr Dia	Max RPM	Recommended Operating Speed
1/8"	100,000	40% - 70%
3/16"	70,000	40% - 70%
1/4"	60,000	40% - 70%
5/16"	55,000	40% - 70%
3/8"	50,000	40% - 70%
1/2"	40,000	40% - 70%
5/8"	30,000	40% - 70%
3/4"	20,000	40% - 70%
1"	15,000	40% - 70%

Brazing

The unique brazing process guarantees that the strength of the braze is equal to the strength of the shank. Used correctly the braze on a Proflexx burr will never break. (Proflexx burrs are to be used in tools of high quality - checked regularly for worn bearing, collets or spindles. The speed of the tool must be consistent with the speed requirements of the burr).

Tungsten Carbide Burrs PROFLEX

Material:

- Steel
- Stainless Steel
- Alloys
- Castings
- Composite Materials

Application:

- Freehand deburring
- Grinding

Product Advantages:

- Highest quality raw materials used in mfg
- Strong tooth formation
- Long life
- Rapid metal removal

F-SHAPE ROUND TREE



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PF41	1/8"	1/4"	F1200601-6
PF42	1/8"	1/2"	F1200602-6
1/4" brazed - 1/8" steel shank			
PF51	1/4"	1/2"	F1200606-6
1/4" solid carbide			
PF1	1/4"	5/8"	F1200610-6
brazed - 1/4" steel shank			
PF3	3/8"	3/4"	F1200616-6
PF5	1/2"	1"	F1200618-6
PF6	5/8"	1"	F1200619-6

G-SHAPE TREE



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PG41	1/8"	1/4"	F1200701-6
PG42	1/8"	1/2"	F1200702-6
1/4" brazed - 1/8" steel shank			
PG51	1/4"	1/2"	F1200706-6
1/4" solid carbide			
PG1	1/4"	5/8"	F1200710-6
brazed - 1/4" steel shank			
PG3	3/8"	3/4"	F1200716-6
PG5	1/2"	1"	F1200718-6

H-SHAPE FLAME



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PH41	1/8"	1/4"	F1200801-6
1/4" brazed - 1/8" steel shank			
PH51	1/4"	1/2"	F1200802-6
brazed - 1/4" steel shank			
PH5	1/2"	1 1/4"	F1200816-6
PH7	3/4"	1 1/4"	F12008186

Burrs listed are Double Cut for general purpose (cut 6) Other Cuts available. See www.ciecanada.com for more info.

L-SHAPE BALL NOSE CONE



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PL41	1/8"	3/8"	F1201101-6
PL42	1/8"	1/2"	F1201102-6
1/4" brazed - 1/8" steel shank			
PL51	1/4"	1/2"	F1201103-6
1/4" solid carbide			
PL1	1/4"	5/8"	F1201106-6
brazed - 1/4" steel shank			
PL4	1/2"	1 1/8"	F1201117-6
PL5	5/8"	1 3/16"	F1201118-6

M-SHAPE CONE



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PM41	1/8"	5/16"	F1201201-6
PM42	1/8"	7/16"	F1201202-6
1/4" brazed - 1/8" steel shank			
PM51	1/4"	1/2"	F1201206-6
1/4" solid carbide			
PM2	1/4"	3/4"	F1201210-6
brazed - 1/4" steel shank			
PM4	3/8"	5/8"	F1201215-6
PM5	1/2"	7/8"	F12012166

N-SHAPE INVERTED CONE



	Head DIA ⊕	Head Length ↔	
1/8" solid carbide			
PN42	1/8"	3/16"	F1201301-6
1/4" brazed - 1/8" steel shank			
PN51	1/4"	1/4"	F1201306-6
1/4" solid carbide			
PN1	1/4"	5/16"	F1201310-6
brazed - 1/4" steel shank			
PN2	3/8"	3/8"	F1201315-6
PN4	1/2"	1/2"	F1201316-6

Mounted Points PROGRIND

For use on air or electric die grinders

Material:

- Steel
- Stainless Steel
- Alloys
- Castings
- Composite Materials

Application:

- Tool & Die
- Moulds
- Dressing/finishing castings
- Weld /flash removal
- Deburring of parts

Product Advantages:

- Manufactured to the highest standards
- Long life
- Rapid metal removal

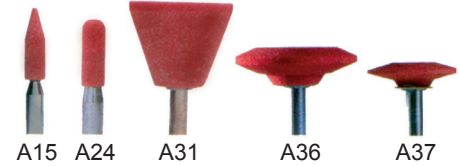
TYPE A



All RPM speed ratings for mounted points are calculated with a maximum overhang of 1/2" (the distance from the collet to the shoulder of the mounted point)

1/4" shank

REF	⊕	RPM	Icon
A2	1"x 1 1/4"	38,200	B1181002
A3	1"x 2 3/4"	16,100	B1181003
AS3	5/8"x 1 3/4"	24,000	B1181004
A5	3/4"x 1 1/8"	45,000	B1181006
A11	7/8"x 2"	19,860	B1181008
A12	1 1/16"x 1 1/4"	48,000	B1181009



1/4" shank

REF	⊕	RPM	Icon
A15	1/4" x 1"	72,750	B1181012
A24	1/4" x 3/4"	76,500	B1181016
A31	1 3/8" x 1"	23,280	B1181019
A36	1 5/8" x 3/8"	23,520	B1181024
A37	1 1/4" x 1/4"	28,840	B1181025

TYPE B

1/4" shank

REF	⊕	RPM	Icon
B41	5/8"x 5/8"	33,750	B1181029
B42	1/2"x 3/4"	33,750	B1181030
B43	1/4"x 5/16"	81,370	B1181031
B44	1/8"x 1 1/2"	88,400	B1181032
B52	3/8"x 3/4"	45,370	B1181037
B53	5/16"x 5/8"	60,000	B1181038
B55	1/8"x 1/4"	105,000	B1181040



TYPE W

1/4" shank

REF	⊕	RPM	Icon
W186	1/2"x 3/4"	26,250	B1181120
W189	1/2" x 2"	24,000	B1181123
W195	5/8"x 3/4"	22,120	B1181129
W197	5/8"x 2"	21,000	B1181131
W204	3/4"x 3/4"	18,900	B1181138
W220	1" x 1"	25,500	B1181154
W235	1 1/2" x 1/4"	25,470	B1181169
W236	1 1/2" x 1/2"	25,470	B1181170



1/8" shank

REF	⊕	RPM	Icon
W144	1/8"x 1/4"	105,000	B1181080
W145	1/8" x 3/8"	105,000	B1181081
W149	5/32"x 1/4"	105,000	B1181084
W152	3/32"x 1/4"	105,000	B1181087
W161	1/4"x 5/16"	77,250	B1181095
W162	1/4"x 3/8"	68,400	B1181096
W173	3/8"x 1/8"	87,600	B1181107
W175	3/8"x 3/8"	54,000	B1181109
W176	3/8"x 1/2"	45,370	B1181110
W179	3/8"x 1 1/4"	45,750	B1181113
W185	1/2"x 1/2"	31,500	B1181119

PROFLEXX

HIGH PERFORMANCE WIRE BRUSHES

Made in Germany



Brushes are designed for the toughest, most demanding applications. Following these tips will ensure the best results:

Safety

Always wear protective eye, face, gloves and body wear during all brushing operations to avoid possible injury. Always ensure that hood and guards for air or electric tools are firmly in place on the tool. Ensure that other operators in the vicinity of the brushing process are also wearing the proper safety equipment until they leave the area.

Inspection

All power brushes mounted on air or electric power tools should be carefully checked before mounting.
Do not use if rusted or damaged.

Operating Speeds

The maximum RPM shown in this catalogue are the maximum safety speeds which should never be exceeded. In most applications a slower speed will prove more efficient.

Mounting

Always ensure that the brush is securely fastened to the power tool. Always refer to the mounting instructions provided with the tool.

Brushing

Let the brush do the work. Only the tips of the wire should be in contact with the work surface. Excessive pressure will only result in reduced brush life, also excessive pressure can cause heat which results in breakage of the wire filament.



Material:

- Steel
- Stainless Steel
- Non-ferrous metals

Application:



- Cleaning welds
- Wrought iron
- Paint / rust removal
- Cleaning BBQs

Product Advantages:

- Ergonomic Plastic handle
- Narrow face to access hard-to-reach areas
- Curved shape
- Environmental -- chemical-free cleaning

SPID BRUSHES

The curved shape, high fill density and narrow face of the Spid brush makes it the perfect choice for cleaning narrow section workpieces or profiled surfaces. The Spid brush has an ergonomic plastic handle which outlasts its wooden counterpart. Additional chemicals are not necessary for cleaning, making this an environmentally friendly product. Brass plated steel wire resists rust and corrosion - also available in stainless steel.

Stainless Steel Wire	Stainless Steel Wire
	
G2220510	G2220520



Material:

- Steel
- Stainless Steel
- Non-ferrous metals

Application:

- Rust / scale removal
- Weld spatter
- Deburring
- Cleaning castings/forgings

Product Advantages:

- Designed for tough demanding applications

TWIST KNOT CUP BRUSH

For heavy duty removal of rust, paint, weld spatter, etc.

Wire brushes are used in many industries including: Pipeline construction, Foundries, Shipbuilding, Oil and gas industries and Construction. These brushes are available in either Carbon Steel wire or Stainless Steel wire.

Wire .020

⊕	arbour	RPM
3"	5/8-11	12,500
4"	5/8-11	8,600
5"	5/8-11	6,000

**Carbon
Steel Wire**



G1220041
G1220043
G1220045

**Stainless
Steel Wire**



G1220062



TWIST KNOTBRIDLED CUP BRUSH

Extra heavy duty construction. Removable bridge reduces flaring and ensures longer life.

Wire .020

⊕	arbour	RPM
3"	5/8-11	12,500
4"	5/8-11	8,600

**Carbon
Steel Wire**



G1220091
G1220093

**Stainless
Steel Wire**



G1220102
G1220104



TWIST KNOT BEVEL BRUSH

An ingenious combination of wheel and cup brushes. For hard-to-reach places such as edges and corners.

⊕	arbour	wire	RPM
4"	5/8-11	.015	20,000
5"	5/8-11	.020	15,000
7"	5/8-1	.020	10,000

**Carbon
Steel Wire**



G1220110
G1220111
G1220113

**Stainless
Steel Wire**



G1220133
G1220134
G1220136



CRIMPED WIRE CUP BRUSH

For light duty rust and paint removal. Removes gasket residue and gives fine finish.

⊕	arbour	wire	RPM
3"	5/8-11	.012	12,500
5"	5/8-11	.020	8,600

**Carbon
Steel Wire**



G1220051
G1220058

**Stainless
Steel Wire**



G1220081
G1220088



CIRCULAR CRIMPED BRUSH

High resistance steel wire brush with high wire density and long life. Shank diameter is 1/4"

Wire .0118 Shank: 1/4"

⊕	length	RPM
1 5/8"	1/2"	20,000
2"	1/2"	20,000
3"	5/8"	13,000

**Carbon
Steel Wire**



G1220160
G1220163
G1220165

**Stainless
Steel Wire**



G1220191
G1220193
G1220196



Material:

- Steel
- Stainless Steel
- Non-ferrous metals

Application:

- Rust / scale removal
- Weld spatter
- Deburring
- Cleaning castings/forgings

Product Advantages:

- Designed for tough demanding applications

CRIMPED WIRE END BRUSH

Manufactured from high resistance crimped steel wire, this brush is ideal for frontal applications on air or electric power tools. Shank diameter is 1/4"

Wire brushes are used in many industries including: Pipeline construction, Foundries, Shipbuilding, Oil and gas industries and Construction. These brushes are available in either Carbon Steel wire or Stainless Steel wire.

Wire: .0118 Shank: 1/4"



length



**Carbon
Steel Wire**



**Stainless
Steel Wire**



5/8"

1"

20,000

G1220150

G1220185

3/4"

1"

20,000

G1220151

G1220186



TWIST KNOT END BRUSH

This durable brush is suitable for high speed applications and ideal for removal of paint, slag and burrs. Shank diameter is 1/4"

Shank: 1/4"



length

wire



**Carbon
Steel Wire**



**Stainless
Steel Wire**



3/4"

1 1/4"

.010

20,000

G1220158

G1220189

1 1/4"

1 1/4"

.020

20,000

G1220159

G1220190



STRINGER BEAD BRUSH

The narrow face of this brush is designed to clean pipe welds between passes.

Wire .020

Face Width: 1/4"



arbour



**Carbon
Steel Wire**



**Stainless
Steel Wire**



4 1/2"

5/8-11

15,000

G1220006

G1220025

5"

5/8-11

15,000

G1220011

G1220019

6"

5/8-11

12,500

G1220010

G1220030



TWIST KNOT WHEEL BRUSH

The thicker face on these brushes is ideal for cleaning of welds, scale, weld splatter, etc.

Wire .020

Face Width: 1/2"



arbour



**Carbon
Steel Wire**



**Stainless
Steel Wire**



4 1/2"

5/8-11

15,000

G1220008

G1220027

5"

5/8-11

15,000

G1220014

G1220033

6"

5/8-11

12,500

G1220013

G1220032





CLYDE

The Product Catalogue