

WinnerFlex[®]

Abrasive Products



WinnerFlex[®]

Abrasive Products



Karbosan was founded in 1967 in Istanbul as the pioneer of the abrasive industry in Turkey. Since establishment, all the management and manufacturing forces of Karbosan are trying to fulfill the customers' requirements.

Today, Karbosan is operating two factories:

Sefakoy Plant - Istanbul: Manufacturing bonded abrasives; cutting and grinding discs and vitrified wheels in a plant of 41.000 m² with over 450 employees.

Velikoy Plant - Tekirdag: Manufacturing coated abrasives; fiber discs, waterproof sheets, rolls, belts and flap discs in a plant of 100.000 m² with over 100 employees.

This structure allows serving the world wide market with a complete range of abrasive products. Export activities in Karbosan have been restructured to meet the demands of its customers from different countries in five continents.

Certificates

international Safety & Quality

Karbosan is an active member of the FEPA (Federation of European Producers of Abrasives), and member of O.S.A. (Organisation for Safety of Abrasives)

FEPA is dedicated to the promotion of safety in the use of abrasives and is actively involved in the preparation and implementation of the European (EN) and International standards (ISO) for abrasives and grinding machines.

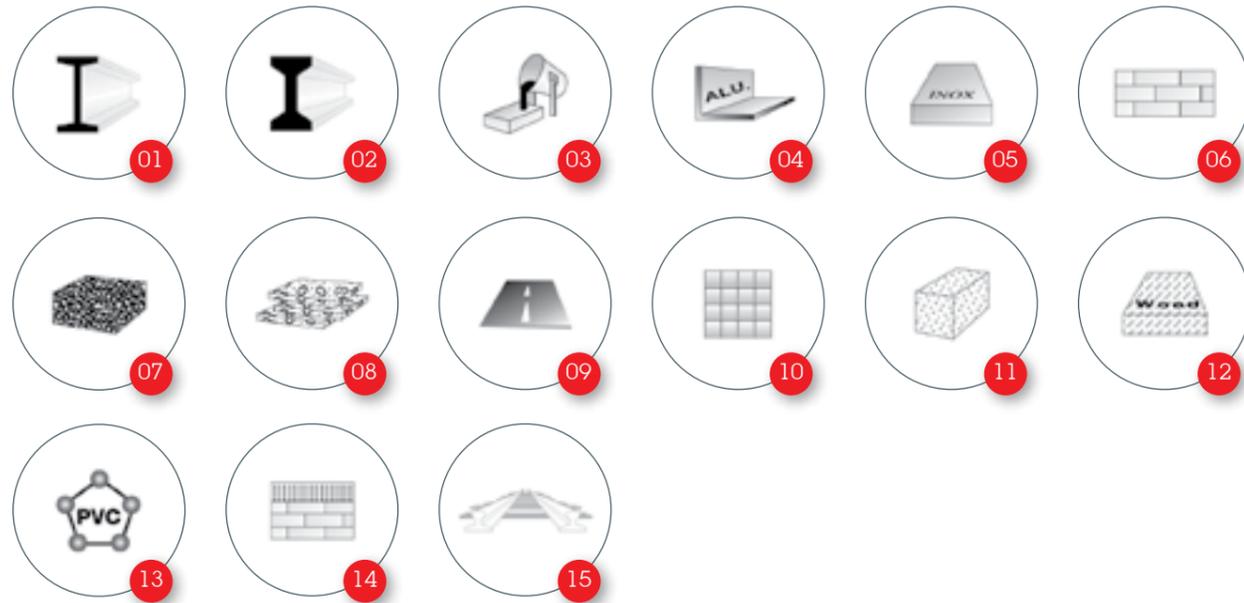
The OSA pursues in close collaboration with FEPA the objectives of supporting both the currently attained safety standards for abrasive products and their further development.

The internal testing procedures and testing certification are based on the following standards :

- Safety requirements for bonded abrasive products EN 12413.
- Safety requirements for coated abrasive products EN 13743.



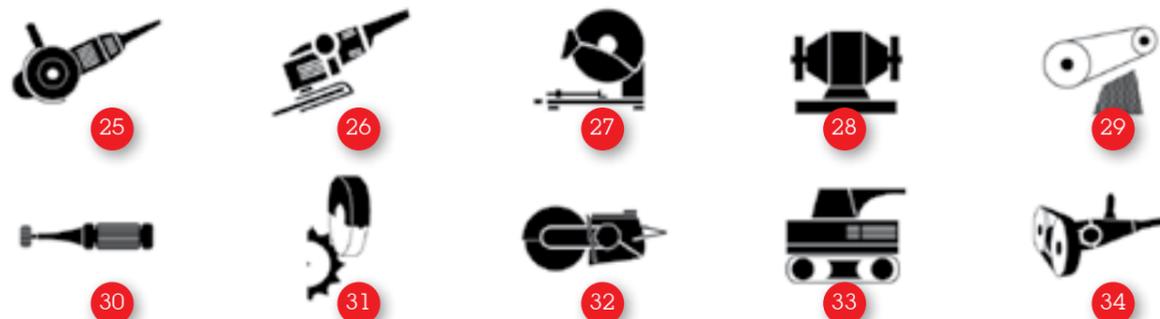
Application Area Pictograms



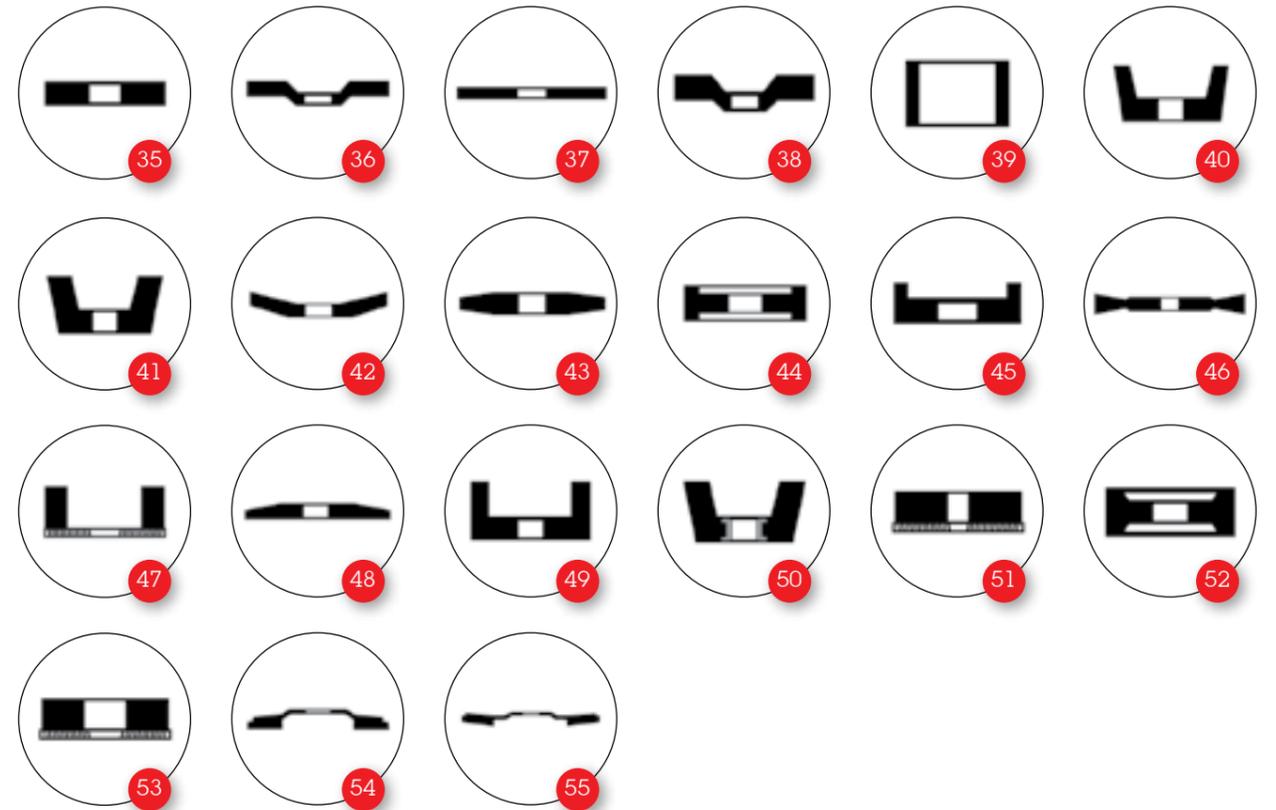
Safety signs



Tool pictograms



Shapes of the wheels



Definition of the Pictograms

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> 1 - METAL 2 - HARD METAL 3 - CAST IRON 4 - ALUMINIUM 5 - STAINLESS STEEL 6 - STONE 7 - GRANITE 8 - MARBLE 9 - ASPHALT 10 - CERAMIC 11 - ABRASIVE 12 - WOOD 13 - PVC 14 - CONCRETE 15 - RAIL 16 - WEAR SAFETY GLOVES 17 - USE EAR MUFFS 18 - WEAR DUST MASK 19- READ THE INSTRUCTIONS | <ul style="list-style-type: none"> 20 - WEAR SAFETY GLASSES 21 - SUITABLE FOR WET GRINDING 22 - GRINDING IS PERMITTED 23 - DO NOT USE WITH COOLANT 24 - DO NOT USE DAMAGED DISCS 25 - CUTTING WITH PORTABLE MACHINE 26 - GRINDING WITH PORTABLE MACHINE 27 - CUTTING WITH STATIONARY MACHINE 28 - STATIONARY GRINDING MACHINE 29 - BACKSTAND 30- PORTABLE UPRIGHT GRINDING MACHINE 31 - SHARPENING OF TOOLS 32 - PORTABLE THERMAL CUTTING MACHINE 33 - PORTABLE BELT SANDER 34 - BELT SANDER 35 - TYPE 1 36 - TYPE 42 37 - TYPE 41 38 - TYPE 27 | <ul style="list-style-type: none"> 39 - TYPE 2 40 - TYPE 11 41 - CUP WHEEL 42 - TYPE 12 43 - TYPE 4 44 - TYPE 7 45 - TYPE 5 46 - TYPE 21 47 - TYPE 37 48 - TYPE 3 49 - TYPE 6 50 - FLARING CUP WHEEL WITH TREADED HOLE M14 51 - TYPE 36 52 - TYPE 7 53 - TYPE 25 54 - FLAP DISCS (FLAT TYPE) 55 - FLAP DISCS (CONICAL TYPE) |
|--|--|--|

Grinding wheels are cutting tools consisting of abrasive grains bonded together with organic or inorganic bonds. They are widely used in metal working industries ranging from snagging operations to remove excess metal from casting and welds, to high finishing operations on foil rolls. Intermediate are a multitude of other uses wherever moving parts are produced or edge tools are sharpened. Other than metal, glass, stone, masonry and many other materials require grinding wheels for processing operations.

BONDS :

The type of bond which is chosen, depends upon the wheel operating speed, the type of operation, and the precision required.

Main types of bonds follows :

Vitrified:

Used in the majority of grinding wheels made. Porosity and strength of the wheels made with this bond give high stock removal along with their rigidity helping to attain high precision.

Resinoid:

Used for wheels in work shops, foundries, sharpening and gumming saws and in many precision applications, designed to operate at 9500 surface feet per minute. This bond is also used in grinding and cut-off wheels with reinforcement; speeds above 9500 SFPM.

ABRASIVES

An ideal grinding abrasive has ability to fracture before serious dulling occurs and offers maximum resistance to point wear. Each abrasive has special crystal structure and fracture characteristics making it suitable for grinding operation on specific materials.

The two main classifications of electric furnace abrasives are :

- Aluminum Oxide
 - Silicon Carbide
- steel, alloy steel, high-speed steel, hard bronzes and similar metals.

Grinding Wheel Marking				
Grit size	Grit size	Hardness	Structure	Bond Type
NK= Regular Al. Oxide	Coarse 12 - 24	Soft D - H	The structure number of wheel refers to the relative spacing of the grains of abrasive; the larger the number the wider the grain spacing	Vitrified V
EKR=Pink Friable Al. Oxide	Medium 30 - 60	Medium I - P		Resinoid B
EKW=White Friable Al. Oxide				
SC=Black Silicon Carbide	Fine 70 -180	Hard Q - U		
SCG = Green Silicon Carbide	Very Fine 220 - 400			

Silicon Carbide abrasives are better suited for grinding very hard and dense materials like cemented carbides and ceramics, most non ferrous metals and non-metallics, as well as cast iron.

Aluminum Oxide Abrasives

NK-A (Regular aluminum Oxide)

The most widely used abrasive. Used for heavy-duty work such as snagging steel castings, grinding crankshafts and for production cylindrical grinding on all but the hardest and most heat-sensitive steels.

EKR (Friable aluminium oxide)

is developed pink fired aluminium oxide abrasive. It is particularly suited for grinding all kinds of tool steels including the tough vanadium alloy steels with moderate to heavy feeds. It grinds with an exceptionally cool, fast cutting action, requires a minimum of dressing and holds its form well

EKW-AA Friable aluminium oxide

Is a white fired aluminium oxide abrasive used on light grinding of all kinds, particularly on hard, heat-sensitive steels. It has been long used for sharpening high-speed steels (HSS) and cast alloy tools and cutters, as well as for cylindrical, surface and internal grinding of tools, dies and gages.

Cu (Superabrasive) :

Used with very high performance

on hard, heat sensitive steels that requires high precision.

HK: A mixture of aluminium oxide abrasives. It is particularly suited for medium heat sensitive steels. It is also used for tool grinding, surface, cylindrical and centerless grinding.

Silicon Carbide Abrasives

SC-C (Black): Generally used for grinding gray iron, non ferrous metals and non metallic materials such as glass, rubber and Stone.

SCG: (Green): Ideal for grinding cemented carbide cutting tools.



Diameter of wheel in mm.	15 m/s	20 m/s	25 m/s	30 m/s	35 m/s	45 m/s	60 m/s	80 m/s	100 m/s
65	4400	5900	7350	8800	10300	13200	17600	23500	29400
75	3825	5100	6380	7650	9000	11455	15300	20400	25500
80	3600	4800	6000	7200	8400	10700	14400	19000	24000
90	3185	4245	5300	6370	7430	9560	12750	17000	21200
100	2860	3800	4750	5700	6700	8600	11400	15250	19000
115	2500	3350	4150	5000	5800	7500	10000	13300	16600
125	2300	3050	3800	4600	5350	6900	9200	12200	15250
150	1900	2550	3200	3800	4500	5700	7600	10200	12700
175	1650	2200	2700	3300	3800	4900	6600	8800	11000
180	1600	2150	2650	3200	3720	4800	6400	8500	10600
200	1430	1900	2400	2860	3350	4300	5700	7600	9500
230	1250	1660	2075	2500	2900	3500	5000	6500	8300
250	1150	1525	1900	2300	2700	3450	4600	6100	7600
300	950	1270	1600	1900	2200	2900	3800	5100	6400
350	820	1100	1365	1640	1900	2450	3280	4400	5500
400	720	950	1200	1440	1670	2150	2880	3800	4750
450	640	850	1060	1280	1500	1900	2560	3400	4250
500	575	765	955	1150	1350	1720	2300	3050	3800
600	480	640	800	960	1100	1430	1920	2550	3200
750	380	510	640	760	900	1150	1520	2050	2550
900	320	425	530	640	750	950	1280	1700	2100
1000	285	380	475	570	670	860	1140	1530	1900

Safety guide for use of abrasive wheels.

- You might break the bonded abrasive products easily. For this reason, you have to handle them with utmost care. If you use damaged or improperly mounted abrasive products, it can be dangerous and can cause serious injuries.

Delivery , handling and storage of the products.

- Handle and transport with care.
- Store them in such a manner that they are not subject to mechanical damage and /or a high level of humidity.

Selection of the abrasive products.

- Follow the safety indications on the label.
- Make sure that you are using the wheel on a machine which is suitable for selected disc.
- Before mounting, examine the wheel visually.
- Do not mount if there are crack evidences, abusive handlings or abusive storage.

Operating speed

- Do not exceed the maximum operating speed that is indicated on the abrasive wheel.

Mounting

- Follow the instructions provided by both the wheel and the machine manufacturers
- The abrasive wheel must be mounted by a qualified trained person.
- Check the flanges and the adaptors for flatness of bearing surface. Do not use sprung or warped flanges or adapter that are not clean and free of burrs.
- Tighten the spindle end nut only enough to drive the wheel and prevent slippage.
- Before applying to workpiece, run all newly mounted wheels at operating speed for at least 10 seconds. For that period, do not stand in front of or in line with the wheel and do not exceed the maximum safe operating speed.
- If strong vibrations occur during the test run, stop the machine, release the tightened nut, remount the wheel and restart the machine. If the vibrations persist, do not use the wheel.
- Arbor hole size: fit the abrasive wheel freely but not loosely on the machine spindle. Do not alter the size of the arbor hole to fit the spindle.

01.

Bonded Abrasives

- Cut-off Discs
- Grinding Discs
- Vitrified Wheels



Performance & Quality

abrasive
technology 45 years high Quality



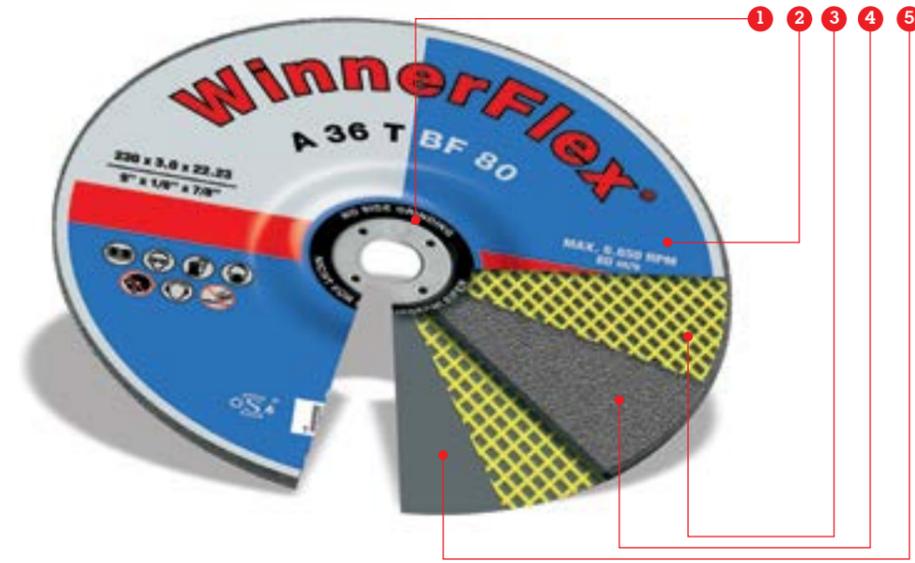
Product & Packing Information

Information & Description of the Discs



- 1 - Dimension (mm. & inch)
- 2 - Speed stripe (Red: 80 m/s)
- 3 - Safety recommendations
- 4 - Application pictograms
- 5 - Type
- 6 - Product code
- 7 - OSA certificates
- 8 - Barcode
- 9 - TSE certificates
- 10 - Usage
- 11 - Maximum operating speed R.P.M
- 12 - Specification
- 13 - Logo WinnerFlex
- 14 - Safety logo on the bore ring
- 15 - Expiry date (quarter & year)

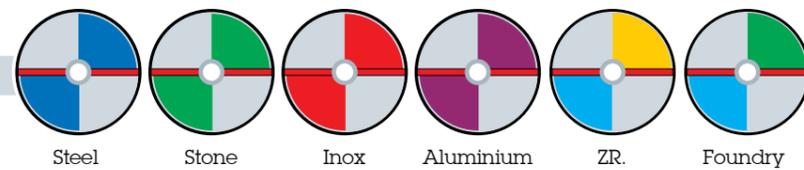
Reinforcement Structure of Cut-off Discs



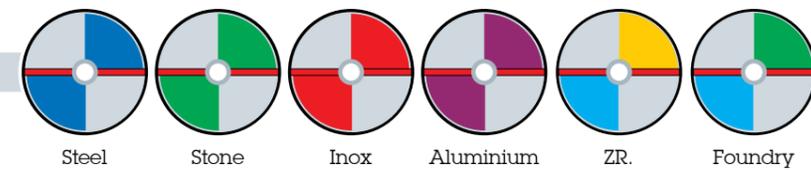
- 1 - Bushing
- 2 - Label
- 3 - Reinforcement
- 4 - Abrasive grain
- 5 - Reinforcement material with paper

Labels Colors

Cutt-off Discs



Grinding Discs



Labels Description



- 1- Dimensions
- 2- Specification
- 3- Barcode
- 4- Type
- 5- Product code
- 6- Quantity



Master Box Colors

Blue



Steel

Green



cast iron

Red



inox

Black



others

Application Sheets for Cutting & Grinding Discs

																		
		Metal A 36 T	Metal A 30 T <i>Plus</i>	Inox AA 24 S	Inox Cut & Cut <i>Plus</i>	Cast Iron C 30 S	Marble C 30 R <i>Plus</i>	Cast Iron ZA 30 TX <i>Plus</i>	Cast Iron AC 36 SX <i>Plus</i>	Alumin. A 36 Q	Metal A 24 RS	Metal A 30 Q <i>Plus</i>	Inox AA 24 P	Cast Iron C 24 S	Cast Iron ZA 24 R <i>Plus</i>	Cast Iron ZA 24 S <i>Plus</i>	Alumin. A 30 Q	Dual Pur. A 24/36 ST
Main Material Name	Material Name																	
• Good •• Optimum ••• Excellent																		
Weld	Weld Seams										•••	•••	•••	••	•••	•••	•	•••
General mild steels (<600N/m)	Construction steels	•••	•••	••	•••	•	•	••	••	•	•••	•••	••	•	••	•••	•	•••
Hardened Steels (>600N/m)	Tool steels	••	•••	••	•••	•	•	•••	••	•	••	•••	••	•	•••	•••	•	••
	Hardox	••	•••	••	•••	•	•	•••	••	•	••	•••	••	•	•••	•••	•	••
High tensile/High Alloyed steels	Containing Chrome,Nickel,Manganese,Cobalt	••	•••	••	•••	•	•	•••	••	•	••	•••	••	•	•••	•••	•	••
General Mild Irons	Concrete reinforcing iron	•••	•••	••	•••	•	•	•••	••	•	•••	•••	••	•	•••	•••	•	•••
Cast Irons	Ductile Cast Iron (such as GGG40)	••	••	•	•	•••	•	•••	•••	•	••	••	•	•••	•••	•••	•	••
	Grey cast iron	••	••	•	•	•••	•	•••	•••	•	••	••	•	•••	•••	•••	•	••
Cast Steels	Heat-resistant cast steels	•	•	•	•	••	•	•••	•••	•	•	•••	•	••	••	•••	•	•
Non-Ferrous Metals	Bearing Metals	•	••	•	••	••	•	•	•	•••	•	•	•	••	•	•	•••	•
	Titanium	•	••	•	••	••	•	•	•	•••	•	•	•	••	•	•	•••	•
	Copper, Alu., zinc, Alloys as bronze	•	••	•	••	••	•	•	•	•••	•	•	•	••	•	•	•••	•
Rust-proofed Steels	Inox, Stainless steels	•	•	•••	•••	•	•	•	•	•	•	•	•••	•	•	•	•	•
Acid-Proofed Steels	Coracid	•	•	•••	•••	•	•	•	•	•	•	•	•••	•	•	•	•	•
Stones and Concrete prod.	Marble	•	•	•	•	••	•••	•	•	•	•	•	•	•••	•	•	•	•
	Lime stone	•	•	•	•	•••	•••	•	•	•	•	•	•	•••	•	•	•	•
	Artificial Stones	•	•	•	•	•••	•••	•	•	•	•	•	•	•••	•	•	•	•
	Natural Stones	•	•	•	•	•••	•••	•	•	•	•	•	•	•••	•	•	•	•
	Asphalt	•	•	•	•	•••	••	•	•	•	•	•	•	•••	•	•	•	•
	Concrete products, floor pavements	•	•	•	•	•••	•••	•	•	•	•	•	•	•••	•	•	•	•
Steel Rail Profiles	60 kg/m	-	-	-	-	-	-	-	-	-	•	••	•	•	••	•••	•	•
	54 kg/m	-	-	-	-	-	-	-	-	-	•	••	•	•	••	•••	•	•
	49 kg/m	-	-	-	-	-	-	-	-	-	•	••	•	•	••	•••	•	•

Cutting Discs for Metal

A 36 T BF80



Specifications:

With its long life and fast cutting, it's a high performance disc for iron and steel cutting.

Where to use:

Especially for profile, pipe or general solid iron types and general construction steels.

Advantages:

- Economic
- Fast cut
- Long-life

THIN LINE

Specifications:

Metal thinline cutting disc is a high performance cutting disc which combines your comfort with its smooth cut for all iron and steel types. Thanks to its thin and strong structure, it gives confidence to the user.

Where to use:

Pipe, profile, sheetplate and all general types of solid iron and steel.

Advantages:

- Economic
- Smooth cut
- High fast cut

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
100 x 3,0 x 16		904509	A 36 T BF80	25	200	9 kg	80	
115 x 2.5 x 22		904511	A 36 T BF80	25	200	12 kg	80	
115 x 3.0 x 22		904512	A 36 T BF80	25	200	14 kg	80	
125 x 2.5 x 22		904513	A 36 T BF80	25	200	15 kg	80	
125 x 3.0 x 22		904514	A 36 T BF80	25	200	17 kg	80	
150 x 3.0 x 22		904515	A 36 T BF80	25	150	18 kg	80	
180 x 2.5 x 22		904516	A 36 T BF80	25	120	21 kg	80	
180 x 3.0 x 22		904517	A 36 T BF80	25	150	24 kg	80	
230 x 2.5 x 22		904518	A 36 T BF80	25	100	27 kg	80	
230 x 3.0 x 22		967934	A 36 T BF80	25	100	29 kg	80	
100 x 3.0 x 16		975240	A 36 T BF80	25	200	9 kg	80	
115 x 2.5 x 22		967671	A 36 T BF80	25	200	12 kg	80	
115 x 3.0 x 22		975092	A 36 T BF80	25	200	14 kg	80	
125 x 2.5 x 22		904519	A 36 T BF80	25	200	15 kg	80	
125 x 3.0 x 22		975093	A 36 T BF80	25	200	17 kg	80	
180 x 2.5 x 22		904520	A 36 T BF80	25	150	21 kg	80	
180 x 3.0 x 22		975009	A 36 T BF80	25	150	24 kg	80	
230 x 2.5 x 22		904521	A 36 T BF80	25	100	27 kg	80	
230 x 3.0 x 22		975010	A 36 T BF80	25	100	29 kg	80	

THIN LINE

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 1.0 x 22		904522	A 54 R BF80	25	300	9 kg	80	
115 x 1.6 x 22		904523	A 46 R BF80	25	300	13 kg	80	
125 x 1.0 x 22		904524	A 54 R BF80	25	300	11 kg	80	
125 x 1.6 x 22		904525	A 46 R BF80	25	300	15 kg	80	
180 x 1.9 x 22		904526	A 36 R BF80	25	150	19 kg	80	
230 x 1.9 x 22		904527	A 36 R BF80	25	150	21 kg	80	

Application Table

Construction steels	Tool steels	Hardox	That contains Chrome - Nikel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GG40)	Grey cast iron
√√√	√√	√√	√√	√√√	√√	√√

Stock Item Non Stock Item

Cutting Discs for Metal

A 30 T BF80



Specifications:

Industrial Metal Cutting Disc with its cutting speed on all types of steel in industry gives you high performance and long product life

Where to use:

For every type of industrial iron and steel.

Advantages:

- Economic
- Easy to use on every type of industrial iron and steel
- Fast cut
- Long life.

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
100 x 2.5 x 16		904528	A 30 T BF80	25	200	10 kg	80	
115 x 2.5 x 22		904529	A 30 T BF80	25	200	13 kg	80	
125 x 2.5 x 22		904530	A 30 T BF80	25	200	16 kg	80	
180 x 3.0 x 22		904531	A 30 T BF80	25	150	25 kg	80	
230 x 3.0 x 22		904532	A 30 T BF80	25	100	30 kg	80	
100 x 2.5 x 16		904533	A 30 T BF80	25	200	10 kg	80	
115 x 2.5 x 22		904534	A 30 T BF80	25	200	13 kg	80	
125 x 2.5 x 22		904535	A 30 T BF80	25	200	16 kg	80	
180 x 3.0 x 22		904536	A 30 T BF80	25	150	25 kg	80	
230 x 3.0 x 22		904537	A 30 T BF80	25	150	30 kg	80	



Application Table

Construction steels	Tool steels	Hardox	That contains Chrome - Nikel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GG40)	Grey cast iron	Heat-resistant cast steels
√√√	√√√	√√√	√√√	√√√	√√	√√	√

Stock Item Non Stock Item

Cutting Discs for Stainless Steel

AA 24 S BF80



Specifications:

Inox cutting disc with its cutting speed on all types of stainless steel, gives you high performance and long product life. As it is non-ferrous, it doesn't cause any rust on stainless surfaces.

Where to use:

Thick profiles, pipes, every type of solid stainless steel .

Advantages:

- Economic
- Long life

THIN LINE

Specifications:

Inox Thinline cutting disc combines comfort and high cutting speed performance for all types of stainless steel. Thanks to its thin and strong structure, it gives confidence to the user. As it is non-ferrous, it doesn't cause any rust on stainless surfaces.

Where to use:

Pipe, profile, sheet plate and all general types of solid iron and steel.

Advantages:

- Economic
- Fast cut

Box Color: ■ | M.Box Color: ■

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
100 x 2.5 x 16		904538	AA 24 S BF80	25	200	9 kg	80	■
115 x 2.5 x 22		904539	AA 24 S BF80	25	200	12 kg	80	■
125 x 2.5 x 22		904540	AA 24 S BF80	25	200	15 kg	80	■
180 x 3.0 x 22		904541	AA 24 S BF80	25	150	24 kg	80	■
230 x 3.0 x 22		904542	AA 24 S BF80	25	100	29 kg	80	■
100 x 2.5 x 16		904543	AA 24 S BF80	25	200	9 kg	80	■
115 x 2.5 x 22		904544	AA 24 S BF80	25	200	12 kg	80	■
125 x 2.5 x 22		904545	AA 24 S BF80	25	200	15 kg	80	■
180 x 3.0 x 22		967830	AA 24 S BF80	25	150	24 kg	80	■
230 x 3.0 x 22		975026	AA 24 S BF80	25	100	29 kg	80	■

THIN LINE

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 0.8 x 22		904546	AA 60 R BF80	25	300	7.5 kg	80	■
125 x 0.8 x 22		904547	AA 60 R BF80	25	300	9 kg	80	■
115 x 0.8 x 22		904548	AA 60 R BF80	25	300	7.5 kg	80	■
125 x 0.8 x 22		904549	AA 60 R BF80	25	300	9 kg	80	■
115 x 1.0 x 22		975035	AA 54 R BF80	25	300	9 kg	80	■
115 x 1.2 x 22		904550	AA 54 R BF80	25	300	9 kg	80	■
115 x 1.6 x 22		904551	AA 46 T BF80	25	300	13 kg	80	■
125 x 1.0 x 22		975037	AA 54 T BF80	25	300	14 kg	80	■
125 x 1.2 x 22		904552	AA 54 R BF80	25	300	13 kg	80	■
125 x 1.6 x 22		904553	AA 46 T BF80	25	300	15 kg	80	■
180 x 1.9 x 22		975039	AA 36 T BF80	25	150	19 kg	80	■
230 x 1.9 x 22		975040	AA 36 T BF80	25	100	21 kg	80	■

Application Table

Construction steels	Tool steels	Hardox	That contains Chrome - Nickel - Mangan - Cobalt	Concrete reinforcing iron	Inox, Stainless steels	Coracid
√ √	√ √	√ √	√ √	√ √	√ √ √	√ √ √



▲ Stock Item ■ Non Stock Item

Cutting Discs for Stainless Steel

Cut & Cut

Specifications:

Cut&Cut Thinline cutting disc, combines comfort and high cutting speed performance for all types of iron and stainless steel. Thanks to its thin and strong structure, it gives confidence to the user. As it is non-ferrous, it doesn't cause any rust on stainless surfaces.

Where to use:

Pipe, profile, sheetplate and all types of solid iron and stainless steel. Can be used on non-ferrous metals such as titanium, copper, aluminium.

Advantages:

- Smooth cut
- Fast cut



Box Color: ■ | M.Box Color: ■

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 1.0 x 22		904554	CuA 542 T BF80	25	300	9 kg	80	■
115 x 1.6 x 22		904555	CuA 462 T BF80	25	300	13 kg	80	■
125 x 1.0 x 22		904556	CuA 542 T BF80	25	300	14 kg	80	■
125 x 1.6 x 22		904557	CuA 462 T BF80	25	300	15 kg	80	■
180 x 1.9 x 22		904558	CuA 362 T BF80	25	250	19 kg	80	■
230 x 1.9 x 22		904559	CuA 362 T BF80	25	150	21 kg	80	■



Application Table

Construction steels	Tool steels	Hardox	That contains Chrome - Nickel - Mangan - Cobalt	Concrete reinforcing iron	Inox, Stainless steels	Coracid	Bearing Metals	Titanium	Copper, Aluminium, zinc, Alloys like brass, bronze etc.
√ √ √	√ √ √	√ √ √	√ √ √	√ √ √	√ √ √	√ √ √	√ √	√ √	√ √



▲ Stock Item ■ Non Stock Item

Cutting Discs for Cast Iron

C 30 S BF80



Specifications:

It's a high performance cutting disc with its long life and cutting speed for general cast iron, concrete and stone

Where to use:

All types of cast iron. Additionally, for natural and artificial stones such as limestone, marble etc. in construction sector.

Advantages:

- Economic
- Fast cut
- Long-life

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
100 x 2.5 x 16		904560	C 30 S BF80	25	200	7 kg	80	
115 x 2.5 x 22		904561	C 30 S BF80	25	200	8 kg	80	
125 x 2.5 x 22		904562	C 30 S BF80	25	200	14 kg	80	
180 x 3.0 x 22		904563	C 30 S BF80	25	150	23 kg	80	
230 x 3.0 x 22		904564	C 30 S BF80	25	100	28 kg	80	
100 x 2.5 x 16		904565	C 30 S BF80	25	200	7 kg	80	
115 x 2.5 x 22		975031	C 30 S BF80	25	200	8 kg	80	
125 x 2.5 x 22		975032	C 30 S BF80	25	200	14 kg	80	
180 x 3.0 x 22		903776	C 30 S BF80	25	150	23 kg	80	
230 x 3.0 x 22		975034	C 30 S BF80	25	100	28 kg	80	

Cutting Discs for Marble

C 30 R BF80



Specifications:

SC Marble Cutting Disc smooth speed cutting on tough materials such as limestone and marble is a high performance and long-life product.

Where to use:

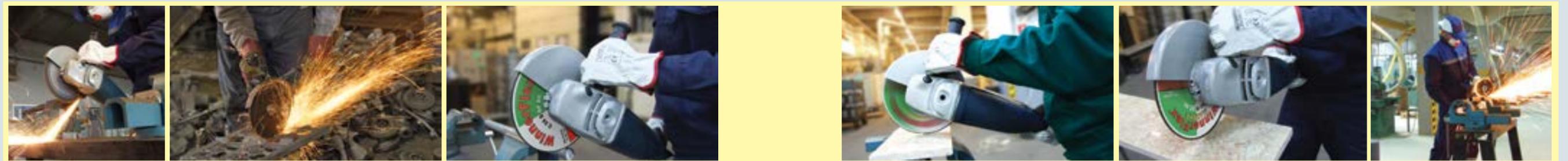
Limestone, marble, natural stone etc.

Advantages:

- Economic
- Smooth cutting(especially for marble)
- Fast cut
- Long life

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
180 x 3.2 x 22		904566	C 30 R BF80	25	150	25 kg	80	
230 x 3.5 x 22		904567	C 30 R BF80	25	100	31 kg	80	
180 x 3.2 x 22		904568	C 30 R BF80	25	150	25 kg	80	
230 x 3.5 x 22		975231	C 30 R BF80	25	100	31 kg	80	



Application Table

Spherical Cast Iron (such as GG40)	Grey cast Iron	Heat-resistant cast steels	Bearing Metals	Titanium	Copper, Aluminium, zinc, Alloys like brass, bronze etc.	Marble	Lime stone	Artificial Stones	Natural Stones	Asphalt	floor pavements
√√√	√√√	√√	√√	√√	√√	√√	√√√	√√√	√√√	√√√	√√√

Application Table

Marble	Lime stone	Artificial Stones	Natural Stones	Asphalt	floor pavements
√√√	√√√	√√√	√√√	√√√	√√√

Cutting Discs for Cast Iron

ZA 30 TX BF80



Specifications:

ZA Cast Iron Cutting Disc combines high speed cutting period and high performance for ductile, grey casting, steel casting materials and general iron-steel types.

Where to use :

Ductile, grey casting, all materials made of steel casting and additionally pipe, profile and all solid metal types.

Advantages:

- High performance and long-life
- Fast and easy cut
- Applicability on all types of casting, iron and steel.



Box Color: ■ | M.Box Color: ■

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 3.0 x 22		904569	ZA 30 TX BF80	25	200	14 kg	80	■
125 x 3.0 x 22		904570	ZA 30 TX BF80	25	200	17 kg	80	■
180 x 3.0 x 22		904571	ZA 30 TX BF80	25	150	24 kg	80	■
230 x 2.5 x 22		904572	ZA 30 TX BF80	25	100	22 kg	80	■
230 x 3.2 x 22		904573	ZA 30 TX BF80	25	100	27 kg	80	■
115 x 3.0 x 22		904574	ZA 30 TX BF80	25	200	14 kg	80	■
125 x 3.0 x 22		904575	ZA 30 TX BF80	25	200	17 kg	80	■
180 x 3.0 x 22		904576	ZA 30 TX BF80	25	150	24 kg	80	■
230 x 2.5 x 22		904577	ZA 30 TX BF80	25	100	22 kg	80	■
230 x 3.2 x 22		904578	ZA 30 TX BF80	25	100	27 kg	80	■

Application Table

Construction steels	Tool steels	That contains Chrome - Nikel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GG40)	Grey cast iron	Heat-resistant cast steels
√√√	√√√	√√√	√√√	√√√	√√√	√√√



▲ Stock Item ■ Non Stock Item

Cutting Discs for Cast Iron

AC 36 SX BF80



Specifications:

AC Cast iron Cutting Disc combines high speed cutting period and high performance for ductile, grey casting, steel casting materials and general iron-steel types

Where to use :

Ductile, grey casting, all materials made of steel casting and additionally pipe, profile and all solid iron and steel types.

Advantages:

- High performance and long-life
- Fast and easy cut
- Applicability on all types of casting, iron and steel



Box Color: ■ | M.Box Color: ■

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 3.0 x 22		904579	AC 36 SX BF80	25	200	14 kg	80	■
125 x 3.0 x 22		904580	AC 36 SX BF80	25	200	17 kg	80	■
180 x 3.0 x 22		904581	AC 36 SX BF80	25	150	24 kg	80	■
230 x 3.0 x 22		904582	AC 36 SX BF80	25	100	22 kg	80	■
230 x 3.5 x 22		904583	AC 36 SX BF80	25	100	27 kg	80	■
115 x 3.0 x 22		904584	AC 36 SX BF80	25	200	14 kg	80	■
125 x 3.0 x 22		904585	AC 36 SX BF80	25	200	27 kg	80	■
180 x 3.0 x 22		904586	AC 36 SX BF80	25	150	24 kg	80	■
230 x 3.0 x 22		904587	AC 36 SX BF80	25	100	22 kg	80	■
230 x 3.5 x 22		904588	AC 36 SX BF80	25	100	27 kg	80	■

Application Table

Construction steels	Tool steels	That contains Chrome - Nikel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GG40)	Grey cast iron	Heat-resistant cast steels
√√	√√	√√	√√	√√√	√√√	√√√



▲ Stock Item ■ Non Stock Item

Cutting Discs for Aluminium

A 36 Q BF80



Specifications:

Aluminium Cutting Disc with its high cutting speed on alloys like aluminum, copper, zinc, bronze, brass and additionally on bearing metals and non-ferrous metals gives you high performance and long product life.

Where to use :

Where to use: Alloys such as aluminum, copper, zinc, bronze, brass and additionally metal bearing.

Advantages:

- Applicability on all non-ferrous metals
- Non-clogging
- Long-life



Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 3.0 x 22		904589	A 36 Q BF80	25	200	14 kg	80	
125 x 3.0 x 22		904590	A 36 Q BF80	25	200	17 kg	80	
180 x 3.0 x 22		904591	A 36 Q BF80	25	150	24 kg	80	
230 x 3.0 x 22		904592	A 36 Q BF80	25	100	29 kg	80	

THIN LINE

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 1.0 x 22		904593	A 54 Q BF80	25	300	9 kg	80	
115 x 1.6 x 22		904594	A 46 Q BF80	25	300	13 kg	80	
125 x 1.0 x 22		904595	A 54 Q BF80	25	300	11 kg	80	
125 x 1.6 x 22		904596	A 46 Q BF80	25	300	15 kg	80	
180 x 1.9 x 22		904597	A 36 Q BF80	25	150	19 kg	80	
230 x 1.9 x 22		904598	A 36 Q BF80	25	100	21 kg	80	

Application Table

Bearing Metals	Aluminium	Copper, zinc, alloys like brass, bronze etc.
√√√	√√√	√√√



Stock Item Non Stock Item

Metal Cutting for machines lower than 3 kw.



Specifications: Cutting Disc with its long life and fast cutting on general iron and steel gives you high performance on stationary machines lower than 3KW. **Where to use :** Profile, pipe or general solid iron types and general construction steel. **Advantages:** • Economic • High speed cutting • Long-life.

Construction steels	Tool steels	Hardox	That contains Chrome - Nickel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GGG40)
√√√	√√	√√	√√	√√√	√√

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
300 x 2.8 x 25.4		904602	A 36 / 46 P BF80	25	50	80	80	
350 x 3.0 x 25.4		903774	A 36 / 46 P BF80	25	-	80	80	

Metal Cutting for machines higher than 3 kw.



Specifications: Cutting Disc with its long life and fast cutting on general iron and steel gives you high performance on stationary machines higher than 3KW. **Where to use :** Profile, pipe or general solid iron types and general construction steel. **Advantages:** • Economic • High speed cutting • Long-life.

Construction steels	Tool steels	Hardox	That contains Chrome - Nickel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GGG40)
√√√	√√	√√	√√	√√√	√√

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
300 x 3.0 x 22		904603	A 30 / 36 P BF80	25	50	26 kg	80	
300 x 3.0 x 25.4		903773	A 30 / 36 P BF80	25	50	26 kg	80	
300 x 3.0 x 30		904604	A 30 / 36 P BF80	25	50	26 kg	80	
300 x 3.0 x 32		904605	A 30 / 36 P BF80	25	50	26 kg	80	
350 x 3.5 x 22		968017	A 30 / 36 P BF80	25	-	19 kg	80	
350 x 3.5 x 25.4		975083	A 30 / 36 P BF80	25	-	19 kg	80	
350 x 3.5 x 30		904606	A 30 / 36 P BF80	25	-	19 kg	80	
350 x 3.5 x 32		904607	A 30 / 36 P BF80	25	-	19 kg	80	
400 x 4.0 x 25.4		903775	A 30 / 36 P BF80	10	-	10 kg	80	
400 x 4.0 x 40		975086	A 30 / 36 P BF80	10	-	10 kg	80	
500 x 5.0 x 40		904608	A 30 / 36 P BF80	5	-	8 kg	80	
500 x 5.0 x 50		904609	A 30 / 36 P BF80	5	-	8 kg	80	

Aluminum Oxide Metal Cutting



Construction steels	Tool steels	Hardox	That contains Chrome - Nickel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GGG40)
√√√	√√	√√	√√	√√√	√√



The placement of the glass fibre reinforcement materials in the discs are as follows: Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
300 x 3.5 x 25.4		975143	A 36 / 46 P BF80	25	50	30 kg	80	
350 x 3.5 x 25.4		904610	A 36 / 46 P BF80	25	-	15 kg	80	
400 x 4.0 x 25.4		904611	A 36 / 46 P BF80	10	-	10 kg	80	



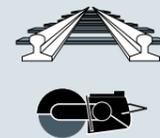
Stock Item Non Stock Item



Al. Ox. Railway Cutting Discs

Steel Rail Profiles ▶

60 kg/m	54 kg/m	49 kg/m
✓✓	✓✓	✓✓✓



Specifications: Al. Ox. Railway Cutting Disc combines high speed cutting and excellent performance on all types of steel railway profiles.
Where to use : 60 kg/m - 54 kg/m - 49 kg/m steel railway profiles and additionally on all types of steel railway profiles
Advantages: • Fast and comfortable cutting • Applicability on all steel railway profiles

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
300 x 3.5 x 20		904612	A 30 / 36 S BF80	25	50	30 kg	80	
300 x 3.5 x 22		904613	A 30 / 36 S BF80	25	50	30 kg	80	
300 x 3.5 x 25.4		904614	A 30 / 36 S BF80	25	50	30 kg	80	
300 x 3.5 x 32		904615	A 30 / 36 S BF80	25	50	30 kg	80	
350 x 4.0 x 20		904616	A 36 R BF100	25	-	19 kg	100	
350 x 4.0 x 22		904617	A 36 R BF100	25	-	19 kg	100	
350 x 4.0 x 25.4		904618	A 36 R BF100	25	-	19 kg	100	



SiC Cast Iron Cutting

Specifications:
 • Green silicon carbide abrasive grains
 • General usage on stationary machines
 • Specially suitable for carbide and carbide plated tools.
 • Long life.

Construction steels	Tool steels	Hardox	That contains Chrome - Nikel - Mangan - Cobalt	Concrete reinforcing iron	Inox, Stainless steels	Coracid
✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
300 x 3.5 x 20		904619	C 24 S BF80	25	50	30 kg	80	
300 x 3.5 x 22		904620	C 24 S BF80	25	50	30 kg	80	
300 x 3.5 x 25.4		904621	C 24 S BF80	25	50	30 kg	80	
300 x 3.5 x 32		904622	C 24 S BF80	25	50	30 kg	80	
350 x 4.0 x 20		904623	C 24 S BF100	25	-	19 kg	80	
350 x 4.0 x 25.4		904624	C 24 S BF100	25	-	19 kg	80	

Stock Item Non Stock Item

Cutting Discs for Rail

Rail Cutting

Specifications:

ZA Railway Cutting Disc provides high speed cutting performance on all types of steel railway profiles.

Where to use :

60 kg/m - 54 kg/m - 49 kg/m steel railway profiles and on all types of steel railway profiles

Advantages:

Fast and comfortable cutting applicability on all steel railway profiles



Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
300 x 3.5 x 22		904625	ZA 30 R BF100	25	50	30 kg	80	
350 x 4.0 x 22		904626	ZA 30 R BF100	25	-	19 kg	100	
350 x 4.0 x 25.4		904627	ZA 30 R BF100	25	-	19 kg	100	

Zirconium disc for rail cutting



Application Table

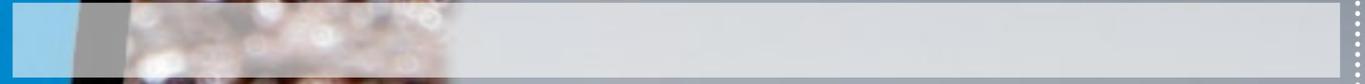
Steel Rail Profiles ▶	60 kg/m	54 kg/m	49 kg/m
	✓✓✓	✓✓✓	✓✓✓

Stock Item Non Stock Item



G

Grinding Discs



Grinding Discs for Metal

A 24 RS BF80



Specifications:

Metal grinding disc provides a high burr removal capability of general types of iron and steel to give maximum performance and long life.

Where to use :

Metal grinding of profile plates, rebar and steel structures, such as iron and steels. It's generally used for surface grinding, rust removal, welding burrs and in processes like grinding of edges and burring after iron foundry operations.

Advantages:

- Economic
- High burr removal capability
- Long life

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
100 x 6.4 x 16		975051	A 24 RS BF80	10	80	9 kg	80	
115 x 6.4 x 22		975052	A 24 RS BF80	10	80	12 kg	80	
125 x 6.4 x 22		975053	A 24 RS BF80	10	80	15 kg	80	
180 x 6.4 x 22		975054	A 24 RS BF80	10	60	23 kg	80	
180 x 8.0 x 22		904628	A 24 RS BF80	10	60	25 kg	80	
180 x 10 x 22		904629	A 24 RS BF80	5	30	16 kg	80	
230 x 6.4 x 22		975057	A 24 RS BF80	10	40	26 kg	80	
230 x 8.0 x 22		904630	A 24 RS BF80	10	40	28 kg	80	
230 x 10 x 22		904631	A 24 RS BF80	5	20	16 kg	80	



Application Table

Weld Seams	Construction steels	Tool steels	Hardox	That contains Chrome - Nickel - Mangan - Cobalt	Concrete reinforcing Iron	Spherical Cast Iron (such as GG40)	Grey cast Iron
√√	√√√	√√	√√	√√	√√√	√√	√√



▲ Stock Item ■ Non Stock Item

Grinding Discs for Metal

A 30 Q BF80



Specifications:

Metal Plus grinding disc provides a high burr removal capability of rail steels and high performance with long life for the general types of iron and steel, soft steels, hardened steels, cast irons, cast steel grades.

Where to use :

Metal grinding of profile, rebar and steel structures such as iron and steels, soft steels, hardened steels, cast iron and cast steel grades. It's also used for rail steels surface grinding, rust removal, welding burrs, grinding of corners, burring after iron foundry operations and surface grinding of iron rails.

Advantages:

- High burr removal capability
- Long life

Box Color: M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 6.4 x 22		904632	A 30 Q BF80	10	80	12 kg	80	
125 x 6.4 x 22		904633	A 30 Q BF80	10	80	15 kg	80	
180 x 6.4 x 22		904634	A 30 Q BF80	10	60	23 kg	80	
180 x 8.0 x 22		904635	A 30 Q BF80	10	60	25 kg	80	
230 x 6.4 x 22		904636	A 30 Q BF80	10	40	26 kg	80	
230 x 8.0 x 22		904637	A 30 Q BF80	10	40	28 kg	80	



Application Table

Weld Seams	Construction steels	Tool steels	Hardox	That contains Chrome - Nickel - Mangan - Cobalt	Concrete reinforcing Iron	Spherical Cast Iron (such as GG40)	Grey cast Iron	Heat-resistant cast steels	60 kg/m	54 kg/m	49 kg/m
√√√	√√√	√√√	√√√	√√√	√√√	√√	√√	√√√	√√	√√	√√



▲ Stock Item ■ Non Stock Item

Rail Profiles

Grinding Discs for Stainless Steel

AA 24 P BF80



Specifications:

Stainless steel grinding disc provides a high burr removal capability and a maximum performance with long life for stainless steel materials; hardened steel and soft steel grades. It doesn't contain iron, so that it doesn't create the effect of corrosion on stainless steel surfaces.

Where to use :

It's especially convenient for stainless steel sheets, stainless steel plates, general types of construction steels, soft steels, hardened steels, rail steels. It's used for surface grinding, corner grinding, rust cleaning and in processes like burring after iron foundry operations and surface grinding of iron rails.

Advantages:

- High burr removal capability on stainless steel materials
- Long life

Box Color:  | M.Box Color: 

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 6.4 x 22		975065	AA 24 P BF80	10	80	12 kg	80	
125 x 6.4 x 22		975066	AA 24 P BF80	10	80	15 kg	80	
180 x 6.4 x 22		975067	AA 24 P BF80	10	60	23 kg	80	
180 x 8.0 x 22		904638	AA 24 P BF80	10	60	25 kg	80	
230 x 6.4 x 22		975069	AA 24 P BF80	10	40	26 kg	80	



Application Table

Weld Seams	Construction steels	Tool steels	Hardox	That contains Chrome - Nickel - Mangan - Cobalt	Concrete reinforcing iron	Inox, Stainless steels	Coracid
√√√	√√	√√	√√	√√	√√	√√√	√√√



 Stock Item  Non Stock Item

Grinding Discs for Cast Iron

C 24 S BF80



Specifications:

SC grinding disc provides a high burr removal capability and a maximum performance with long life for general types of iron foundry, concrete and stone products.

Where to use :

It's especially convenient for all kinds of cast iron, lime stones which are used in construction, natural and artificial stone materials like marble. It can be used for surface grinding, cleaning and grinding of corners. It's used for removal of burrs after foundry process.

Advantages:

- Economical
- High burr removal capability
- Long life

Box Color:  | M.Box Color: 

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 6.4 x 22		904218	C 24 S BF80	10	80	11 kg	80	
125 x 6.4 x 22		904639	C 24 S BF80	10	80	14 kg	80	
180 x 6.4 x 22		904216	C 24 S BF80	10	60	22 kg	80	
180 x 8.0 x 22		904640	C 24 S BF80	10	60	28 kg	80	
230 x 6.4 x 22		904288	C 24 S BF80	10	40	25 kg	80	



Application Table

Weld Seams	Spherical Cast Iron	Grey Cast Iron	Heat-resistant Cast Iron	Bearing Metals	Titanium	Copper, aluminium, zinc, alloy like bras, bronze etc.	Marble	Lime Stone	Artificial Stones	Asphalt	Natural Stones
√√	√√√	√√√	√√	√√	√√	√√	√√	√√√	√√√	√√√	√√√



 Stock Item  Non Stock Item

Grinding Discs for Cast Iron

ZA 24 R BF80



Ductile Casting

Specifications:

ZA 24 R Foundry grinding disc provides a high burr removal capability and a maximum performance with long life for ductile, cast iron, gray iron casting, welding burrs, steel rail beams and general types of iron-steel. In particular, the usage in "High Frequency" engines is recommended.

Where to use :

It's convenient for ductile and all types of materials which are produced by cast iron, such as gray iron castings. It's used for grinding, burr removing and surface cleaning of those materials. It's also used on processes such as surface grinding, rust removal, welding burrs, grinding of corners for general types of iron and steel, soft steels, hardened steels and rail steels.

Advantages:

- High performance for difficult works
- High burr removal capability
- Long life



Box Color: | M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
230 x 7.0 x 22		904306	ZA 24 R BF80	10	40	37.8 kg	80	

Application Table

Weld Seams	Construction steels	Tool steels	Hardox	That contains Chrome - Nikel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GG40)	Grey cast iron	60 kg/m	54 kg/m	49 kg/m
√√√	√√√	√√√	√√√	√√√	√√√	√√√	√√√	√√√	√√√	√√√



Stock Item Non Stock Item

Grinding Discs for Cast Iron

ZA 24 S BF80



Steel Casting



Specifications:

ZA 24 S casting grinding disc provides a high burr removal capability and a maximum performance with long life for steel casting such as ductile, cast iron and gray iron casting, welding burrs, steel rail beams and general types of iron-steel. In particular, the usage in "High Frequency" engines is recommended.

Where to use :

It's convenient for steel casting such as ductile and all types of materials which are produced by cast iron, such as gray iron castings. It's used for grinding, burr removing and surface cleaning of those materials. It's also used on processes such as surface grinding, rust removal, welding burrs, grinding of corners for general types of iron and steel, soft steels, hardened steels and rail steels.

Advantages:

- High performance for difficult works
- High burr removal capability
- Long life



Box Color: | M.Box Color:

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
230 x 7.0 x 22		904641	ZA 24 S BF80	10	40	37.8 kg	80	

Application Table

Weld Seams	Construction steels	Tool steels	Hardox	That contains Chrome - Nikel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GG40)	Grey cast iron	60 kg/m	54 kg/m	49 kg/m
√√√	√√√	√√√	√√√	√√√	√√√	√√√	√√√	√√√	√√√	√√√



Stock Item Non Stock Item

Grinding Discs for Aluminium

A 24 N BF80



Specifications:

Aluminum grinding disc provides a fast grinding and a maximum performance with long life especially for aluminium, copper, zinc, bronze and brass as well as the metal bearing and all types of non-ferrous metals .

Where to use :

It's convenient for aluminium, copper, zinc, bronze and brass. It can be used on the metal bearing and non-ferrous metals. It's also used on processes like surface grinding, cleaning and corners grinding.

Advantages:

- Applicability on all types of non-ferrous metals
- High burr removal capability without clogging
- Long life

Box Color: ■ M.Box Color: ■

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 6.4 x 22		904642	A 24 N BF80	10	80	12.4 kg	80	■
125 x 6.4 x 22		904643	A 24 N BF80	10	80	14.6 kg	80	■
180 x 6.4 x 22		904644	A 24 N BF80	10	60	23.4 kg	80	■
180 x 8.0 x 22		904645	A 24 N BF80	10	60	28.5 kg	80	■
230 x 6.4 x 22		904646	A 24 N BF80	10	40	26 kg	80	■

Application Table

Bearing Metals	Aluminium	Copper, zinc, alloys like brass, bronze etc.
√√√	√√√	√√√

A 24/36 ST BF80



Dual Purpose Discs for Metal

Specifications:

Dual Purpose grinding disc is a product which has a special conception. It can be used on iron-steel materials and rebar. It allows cutting and grinding without the application need of a second product. After cutting process, it cleans the emerging burrs. It allows confidence on grinding operations with its strong and thin structure.

Where to use :

It's convenient for plates, profiles, metal sheets, all types of iron-steel materials such as rebar and construction steels. It's used for removal of burrs after cutting process.

Advantages:

- Ability to make both grinding and cutting process
- Fast and easy cut

Dimension	Type	Article	Specification	Box	Master Box	Weight	m/s	Status
115 x 4.0 x 22		904647	A 24 / 36 ST BF80	25	50	16 kg.	80	■
125 x 4.0 x 22		904648	A 24 / 36 ST BF80	25	50	18 kg.	80	■
180 x 4.0 x 22		904649	A 24 / 36 ST BF80	25	50	26 kg.	80	■
230 x 4.0 x 22		904650	A 24 / 36 ST BF80	25	50	32 kg.	80	■

Application Table

Weld Seams	Construction steels	Tool steels	Hardox	That contains Chrome - Nickel - Mangan - Cobalt	Concrete reinforcing iron	Spherical Cast Iron (such as GG40)	Grey cast Iron
√√	√√√	√√	√√	√√	√√√	√√	√√



▲ Stock Item ■ Non Stock Item

Grinding Wheels



Vitrified Wheels

Karbosan reflects its experience in vitrified wheels in production and fulfills the needs of all the branches of industry. These wheels are used in industries such as iron and steel, automotive, machinery manufacturing, casting processing, maintenance, glass and marble.

Can be used as:

- Surface grinding wheels
- Cylindrical grinding wheels
- Internal grinding wheels
- Centerless grinding wheels
- Finishing stones
- Saw sharpening wheels
- Carbide grinding wheels
- Grinding wheels for glass
- Cup wheels
- Grinding wheels for gear
- Mounted points



Flat Wheels for Cylindrical & Surface Grinding



Where to use:

- Mold manufacturing industry
- Profile and angle grinding
- Automotive spare parts
- Cylinder cover surfaces,
- Leather and textile industry
- Knife sharpening
- Internal grinding industry

Dimension	Type	Grit	Specification	Shrink	Master Box	Weight	m/s
150 x 20 x 20	█	36	EKR 36 K6	5	•	3.8 kg	35
175 x 20 x 20	█	36	EKR 36 K6	5	•	5.2 kg	35
250 x 25 x 76.2	█	36	EKR 36 K6	5	•	12 kg	35
250 x 30 x 76.2	█	36	EKR 36 K6	3	•	8.7 kg	35
250 x 32 x 76.2	█	36	EKR 36 K6	3	•	9.3 kg	35
250 x 40 x 76.2	█	36	EKR 36 K6	2	•	7.8 kg	35
300 x 40 x 127	█	36	EKR 36 K6	2	•	10 kg	35
350 x 40 x 127	█	36	EKR 36 K6	2	•	14.6 kg	35
350 x 50 x 127	█	36	EKR 36 K6	1	•	9 kg	35
400 x 40 x 127	█	36	EKR 36 K6	1	•	10 kg	35
150 x 20 x 20	█	46	EKR 46 K6	5	•	4 kg	35
175 x 20 x 20	█	46	EKR 46 K6	5	•	5.2 kg	35
200 x 20 x 20	█	46	EKR 46 K6	5	•	7 kg	35
250 x 25 x 76.2	█	46	EKR 46 K6	5	•	12.2 kg	35
250 x 30 x 76.2	█	46	EKR 46 K6	3	•	8.8 kg	35
250 x 32 x 76.2	█	46	EKR 46 K6	3	•	9.4 kg	35
250 x 40 x 76.2	█	46	EKR 46 K6	2	•	8 kg	35
300 x 40 x 76.2	█	46	EKR 46 K6	2	•	11.6 kg	35
300 x 40 x 127	█	46	EKR 46 K6	2	•	10.2 kg	35
350 x 40 x 127	█	46	EKR 46 K6	2	•	14.7 kg	35
350 x 50 x 127	█	46	EKR 46 K6	1	•	9.2 kg	35
400 x 40 x 127	█	46	EKR 46 K6	1	•	10 kg	35
150 x 20 x 20	█	60	EKR 60 K6	5	•	4 kg	35
175 x 20 x 20	█	60	EKR 60 K6	5	•	5.3 kg	35
200 x 20 x 20	█	60	EKR 60 K6	5	•	7 kg	35
250 x 25 x 76.2	█	60	EKR 60 K6	5	•	12.4 kg	35
250 x 30 x 76.2	█	60	EKR 60 K6	3	•	9 kg	35
250 x 32 x 76.2	█	60	EKR 60 K6	3	•	9.5 kg	35
250 x 40 x 76.2	█	60	EKR 60 K6	2	•	8 kg	35
300 x 40 x 76.2	█	60	EKR 60 K6	2	•	11.7 kg	35
300 x 40 x 127	█	60	EKR 60 K6	2	•	10.3 kg	35
350 x 40 x 127	█	60	EKR 60 K6	2	•	14.8 kg	35
350 x 50 x 127	█	60	EKR 60 K6	1	•	9.3 kg	35
400 x 40 x 127	█	60	EKR 60 K6	1	•	10 kg	35

Vitrified Wheels

Al. Ox. Bench Grinding Wheels

**Characteristics:**

Aluminium oxide grains • General usage • Ideal performance on every type of steel WinnerFlex general purpose abrasives are manufactured in various dimensions and specifications for surface grinding, cylindrical grinding and grinding of tools. These wheels are used with stationary grinding machines and portable low speed grinding machines.

Dimension	Type	Grit	Specification	Shrink	Master Box	Weight	m/s
75 x 13 x 10	■	24	NK 24 Q 5	5	•	0.8 kg	35
100 x 13 x 10	■	24	NK 24 Q 5	5	•	1.3 kg	35
100 x 16 x 20	■	24	NK 24 Q 5	5	•	1.6 kg	35
125 x 16 x 16	■	24	NK 24 Q 5	5	•	2.5 kg	35
125 x 20 x 20	■	24	NK 24 Q 5	5	•	3.0 kg	35
150 x 20 x 20	■	24	NK 24 Q 5	5	•	4.4 kg	35
150 x 25 x 20	■	24	NK 24 Q 5	5	•	5.5 kg	35
175 x 20 x 20	■	24	NK 24 Q 5	5	•	6.0 kg	35
175 x 25 x 20	■	24	NK 24 Q 5	5	•	7.6 kg	35
200 x 20 x 20	■	24	NK 24 Q 5	5	•	7.9 kg	35
200 x 25 x 20	■	24	NK 24 Q 5	5	•	10 kg	35
200 x 30 x 20	■	24	NK 24 Q 5	4	•	9.5 kg	35
200 x 32 x 20	■	24	NK 24 Q 5	4	•	10 kg	35
250 x 25 x 25	■	24	NK 24 Q 5	5	•	15.4 kg	35
250 x 30 x 25	■	24	NK 24 Q 5	3	•	11 kg	35
250 x 32 x 25	■	24	NK 24 Q 5	3	•	12 kg	35
250 x 40 x 25	■	24	NK 24 Q 5	2	•	10 kg	35
300 x 30 x 30	■	24	NK 24 Q 5	2	•	10.7 kg	35
300 x 32 x 30	■	24	NK 24 Q 5	2	•	11.4 kg	35
300 x 40 x 30	■	24	NK 24 Q 5	2	•	14.2 kg	35
350 x 40 x 40	■	24	NK 24 Q 5	2	•	19.3 kg	35
400 x 40 x 40	■	24	NK 24 Q 5	1	•	12.6 kg	35
75 x 13 x 10	■	36	NK 36 P 5	5	•	0.7 kg	35
100 x 13 x 10	■	36	NK 36 P 5	5	•	1.3 kg	35
100 x 16 x 20	■	36	NK 36 P 5	5	•	1.5 kg	35
125 x 16 x 16	■	36	NK 36 P 5	5	•	2.4 kg	35
125 x 20 x 20	■	36	NK 36 P 5	5	•	3 kg	35
150 x 20 x 20	■	36	NK 36 P 5	5	•	4.3 kg	35
150 x 25 x 20	■	36	NK 36 P 5	5	•	5.4 kg	35
175 x 20 x 20	■	36	NK 36 P 5	5	•	6 kg	35
175 x 25 x 20	■	36	NK 36 P 5	5	•	7.4 kg	35
200 x 20 x 20	■	36	NK 36 P 5	5	•	7.7 kg	35
200 x 25 x 20	■	36	NK 36 P 5	5	•	9.6 kg	35
200 x 30 x 20	■	36	NK 36 P 5	4	•	9.2 kg	35
200 x 32 x 20	■	36	NK 36 P 5	4	•	9.8 kg	35
250 x 25 x 25	■	36	NK 36 P 5	5	•	15 kg	35
250 x 30 x 25	■	36	NK 36 P 5	3	•	10.8 kg	35
250 x 32 x 25	■	36	NK 36 P 5	3	•	11.5 kg	35
250 x 40 x 25	■	36	NK 36 P 5	2	•	9.6 kg	35
300 x 30 x 30	■	36	NK 36 P 5	2	•	10.4 kg	35
300 x 32 x 30	■	36	NK 36 P 5	2	•	11 kg	35
300 x 40 x 30	■	36	NK 36 P 5	2	•	13.8 kg	35
350 x 40 x 40	■	36	NK 36 P 5	2	•	18.7 kg	35
400 x 40 x 40	■	36	NK 36 P 5	1	•	12.3 kg	35

Vitrified Wheels

Al. Ox. Bench Grinding Wheels

For the grinding of the metals that contain iron, you can see below the recommended application areas according to their grits.

- **Very coarse:** They are used for manual grinding operations which can remove the burrs.
- **Coarse:** They are used for rough grinding operations of cutters and other parts.
- **Medium:** They are used for general grinding operations with an acceptable accuracy.
- **Fine:** They are used for fine grinding and final sharpening operations.

Dimension	Type	Grit	Specification	Shrink	Master Box	Weight	m/s
75 x 13 x 10	■	46	NK 46 O 5	5	•	0.7 kg	35
100 x 13 x 10	■	46	NK 46 O 5	5	•	1.3 kg	35
100 x 16 x 20	■	46	NK 46 O 5	5	•	1.5 kg	35
125 x 16 x 16	■	46	NK 46 O 5	5	•	2.4 kg	35
125 x 20 x 20	■	46	NK 46 O 5	5	•	3 kg	35
150 x 20 x 20	■	46	NK 46 O 5	5	•	4.3 kg	35
150 x 25 x 20	■	46	NK 46 O 5	5	•	5.3 kg	35
175 x 20 x 20	■	46	NK 46 O 5	5	•	5.8 kg	35
175 x 25 x 20	■	46	NK 46 O 5	5	•	7.3 kg	35
200 x 20 x 20	■	46	NK 46 O 5	5	•	7.6 kg	35
200 x 25 x 20	■	46	NK 46 O 5	5	•	9.5 kg	35
200 x 30 x 20	■	46	NK 46 O 5	4	•	9 kg	35
200 x 32 x 20	■	46	NK 46 O 5	4	•	9.7 kg	35
250 x 25 x 25	■	46	NK 46 O 5	5	•	14.8 kg	35
250 x 30 x 25	■	46	NK 46 O 5	3	•	10.7 kg	35
250 x 32 x 25	■	46	NK 46 O 5	3	•	11.4 kg	35
250 x 40 x 25	■	46	NK 46 O 5	2	•	9.5 kg	35
300 x 30 x 30	■	46	NK 46 O 5	2	•	10.3 kg	35
300 x 32 x 30	■	46	NK 46 O 5	2	•	11 kg	35
300 x 40 x 30	■	46	NK 46 O 5	2	•	13.7 kg	35
350 x 40 x 40	■	46	NK 46 O 5	2	•	18.5 kg	35
400 x 40 x 40	■	46	NK 46 O 5	1	•	12 kg	35
75 x 13 x 10	■	60	NK 60 N 5	5	•	0.7 kg	35
100 x 13 x 10	■	60	NK 60 N 5	5	•	1.3 kg	35
100 x 16 x 20	■	60	NK 60 N 5	5	•	1.5 kg	35
125 x 16 x 16	■	60	NK 60 N 5	5	•	2.4 kg	35
125 x 20 x 20	■	60	NK 60 N 5	5	•	2.9 kg	35
150 x 20 x 20	■	60	NK 60 N 5	5	•	4.2 kg	35
150 x 25 x 20	■	60	NK 60 N 5	5	•	5.3 kg	35
175 x 20 x 20	■	60	NK 60 N 5	5	•	5.7 kg	35
175 x 25 x 20	■	60	NK 60 N 5	5	•	7.2 kg	35
200 x 20 x 20	■	60	NK 60 N 5	5	•	7.5 kg	35
200 x 25 x 20	■	60	NK 60 N 5	5	•	9.4 kg	35
200 x 30 x 20	■	60	NK 60 N 5	4	•	9 kg	35
200 x 32 x 20	■	60	NK 60 N 5	4	•	9.6 kg	35
250 x 25 x 25	■	60	NK 60 N 5	5	•	14.6 kg	35
250 x 30 x 25	■	60	NK 60 N 5	3	•	10.5 kg	35
250 x 32 x 25	■	60	NK 60 N 5	3	•	11.2 kg	35
250 x 40 x 25	■	60	NK 60 N 5	2	•	9.4 kg	35
300 x 30 x 30	■	60	NK 60 N 5	2	•	10 kg	35
300 x 32 x 30	■	60	NK 60 N 5	2	•	10.8 kg	35
300 x 40 x 30	■	60	NK 60 N 5	2	•	13.5 kg	35
350 x 40 x 40	■	60	NK 60 N 5	2	•	18.3 kg	35
400 x 40 x 40	■	60	NK 60 N 5	1	•	12 kg	35

Vitrified Wheels

Grinding Wheels for Glass



Where to use:
Grinding and polishing of glass and crystal.

Dimension	Type	Grit	Specification	Shrink	Master Box	Weight	m/s
300 x 30 x 30		100	SCG 100 L5	2	•	8.2 kg	32
350 x 30 x 35		100	SCG 100 L5	2	•	11 kg	32
350 x 50 x 40		80	NK 80 M6 V	1	•	11.6 kg	32
400 x 50 x 40		80	NK 80 M6 V	1	•	15.2 kg	32
$\frac{350 \times 50}{180 \times 30} \times 40$		80	NK 80 M6 V	1	•	9.8 kg	32
$\frac{400 \times 50}{180 \times 30} \times 40$		80	NK 80 M6 V	1	•	13.4 kg	32

Vitrified Wheels

Saw Sharpening



Where to use:
Saw sharpening wheels are used to grind and to give various forms to the saws. They are also used on the saw production and wood products industry.



Dimension	Type	Grit	Specification	Shrink	Master Box	Weight	m/s
150 x 6.0 x 20		60	NK 60 N5	10	•	2.3 kg	35
150 x 8.0 x 20		60	NK 60 N5	10	•	3 kg	35
150 x 10 x 20		60	NK 60 N5	10	•	3.6 kg	35
175 x 8.0 x 20		60	NK 60 N5	10	•	4 kg	35
175 x 10 x 20		60	NK 60 N5	10	•	5 kg	35
200 x 8.0 x 20		60	NK 60 N5	10	•	5.5 kg	35
200 x 10 x 20		60	NK 60 N5	10	•	6.7 kg	35
250 x 10 x 25		60	NK 60 N5	10	•	10.6 kg	35
150 x 6.0 x 20		80	NK 80 M5	10	•	2.3 kg	35
150 x 8.0 x 20		80	NK 80 M5	10	•	2.9 kg	35
150 x 10 x 20		80	NK 80 M5	10	•	3.5 kg	35
175 x 8.0 x 20		80	NK 80 M5	10	•	4 kg	35
175 x 10 x 20		80	NK 80 M5	10	•	5 kg	35
200 x 8.0 x 20		80	NK 80 M5	10	•	5.3 kg	35
200 x 10 x 20		80	NK 80 M5	10	•	6.5 kg	35
250 x 10 x 25		80	NK 80 M5	10	•	10.4 kg	35
150 x 6.0 x 20		60	EKR 60 K6	10	•	2.2 kg	35
150 x 8.0 x 20		60	EKR 60 K6	10	•	2.8 kg	35
150 x 10 x 20		60	EKR 60 K6	10	•	3.4 kg	35
175 x 8.0 x 20		60	EKR 60 K6	10	•	4 kg	35
175 x 10 x 20		60	EKR 60 K6	10	•	4.7 kg	35
200 x 8.0 x 20		60	EKR 60 K6	10	•	5 kg	35
200 x 10 x 20		60	EKR 60 K6	10	•	6.2 kg	35
250 x 10 x 25		60	EKR 60 K6	10	•	10 kg	35

Vitrified Wheels

Silicon Carbide Bench Grinding Wheels



Where to use:

- For sharpening of carbide tools
- For bench grinding machines

Dimension	Type	Grit	Specification	Shrink	Master Box	Weight	m/s
125 x 20 x 25		80	SCG 80 J 5 V	5	•	2.3 kg	35
150 x 20 x 20		80	SCG 80 J 5 V	5	•	3.3 kg	35
150 x 25 x 20		80	SCG 80 J 5 V	5	•	4.2 kg	35
175 x 20 x 20		80	SCG 80 J 5 V	5	•	4.5 kg	35
175 x 25 x 20		80	SCG 80 J 5 V	5	•	5.7 kg	35
200 x 20 x 20		80	SCG 80 J 5 V	5	•	5.9 kg	35
200 x 25 x 20		80	SCG 80 J 5 V	5	•	7.4 kg	35
200 x 32 x 20		80	SCG 80 J 5 V	4	•	7.6 kg	35
250 x 25 x 25		80	SCG 80 J 5 V	5	•	11.5 kg	35
250 x 32 x 25		80	SCG 80 J 5 V	3	•	9 kg	35
300 x 32 x 30		100	SCG 100 L 5 V	2	•	8.7 kg	35



Vitrified Wheels

Cup Wheels

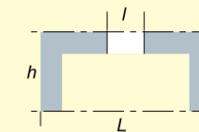


Where to use:

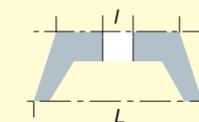
WinnerFlex cup wheels are produced in standard quality for multi-purpose use in flat and conical forms. These wheels are used for sharpening cutting edges. It is also possible to have it in various grits and shapes. They are only suitable for dry grinding operations.

Dimension	Type	Grit	Specification	Shrink	Master Box	Weight	m/s
D 50		60	EKR 60 K6	5	•	0.4 kg	35 m/s
D 75		60	EKR 60 K6	5	•	1 kg	35 m/s
D 100		60	EKR 60 K6	5	•	2 kg	35 m/s
D 125		60	EKR 60 K6	5	•	3.8 kg	35 m/s
D 150		60	EKR 60 K6	4	•	5.7 kg	35 m/s

Dimension						M.O.S.
D	T	E	J	K	H	1/min
75	30	8	53	45	20	9000
100	35	10	75	65	20	6700
125	45	12	92	80	20	5350
150	50	12	114	100	20	4500



Dimension						M.O.S.
D	T	E	W	H	1/min	
75	40	8	4	20	9000	
100	50	10	4	20	6700	
125	63	12	7.5	20	5350	
150	80	12	10	20	4500	



Dimension	Type	Grit	Specification	Shrink	Master Box	Weight	m/s
E 50		60	EKR 60 K6	4	•	0.2 kg	35 m/s
E 75		60	EKR 60 K6	4	•	0.5 kg	35 m/s
E 100		60	EKR 60 K6	4	•	1 kg	35 m/s
E 125		60	EKR 60 K6	4	•	1.6 kg	35 m/s
E 150		60	EKR 60 K6	4	•	2.7 kg	35 m/s

Vitrified Wheels

Cylindrical Grinding Wheels



Where to use:

- Hydraulics industry
- Spindle grinding
- Automotive spare parts industry
- Crankshaft grinding
- Spare parts industry
- Circular shaft and parts in the machine manufacturing industry



Centerless Grinding Wheels



Where to use:

Automotive spare parts industry (valves and spindles), home appliance, damper shafts, pins, steel shafts, peeling operations.

- 350x200x203,2
- 450x180x203,2
- 500x100x203,2
- 500x100x304,8
- 500x125x304,8
- 500x150x304,8
- 500x250x304,8
- 600x125x304,8

These wheels are also produced in different sizes such as regulation wheels, driver stones etc.



Segment Stones



Where to use:

Segment stones are designed to grind the wide surfaces of work components in a rapid way and to provide the required parallelism in measurements and surface roughness values. They are used for grinding the cylinder block and the head. Some common sizes:

- 100x35x20
- 100x45/50x25
- 100x60/50x22
- 150x50x25
- 160x73/53x20 etc. in various dimensions



Honing Stones



Where to use:

Engine industry, cylinder repair, pneumatic and hydraulic piston production, cylinder, pump spare parts production and repairing. They are produced in different sizes like:

- 100x10x10
- 100x13x10
- 100x12x12
- 100x15x15
- 150x10x10
- 160x12x10
- 160x16x16
- 160x20x20 etc.



Vitrified Wheels

Cup Wheels

Flaring cup wheel for surface grinding (with a threaded bushing M14)



S.C.

Dimension	Specification	Grit	Shrink	m/s
100 x 50 x 14	S.C	16	4	35 m/s
125 x 50 x 14	S.C	16	4	35 m/s
100 x 50 x 14	S.C	24	4	35 m/s
125 x 50 x 14	S.C	24	4	35 m/s



Flat cup wheel for surface grinding (with a threaded bushing M14)



S.C.

Dimension	Specification	Grit	Shrink	m/s
100 x 50 x 14	S.C	16	5	35 m/s
125 x 50 x 14	S.C	16	5	35 m/s
100 x 50 x 14	S.C	24	5	35 m/s
125 x 50 x 14	S.C	24	5	35 m/s



Flaring cup wheel for surface grinding



S.C.

Dimension	Specification	Grit	Shrink	m/s
110 x 58 x 22	S.C	16	4	35 m/s
110 x 58 x 22	S.C	24	4	35 m/s



02.

Coated Abrasives

- Flap Discs
- Fibre Discs
- Abrasive Rolls
- Abrasive Belts
- Abrasive Sheets
- Flap Wheels
- Shaft Mounted Flap Wheels



Performance & Quality



abrasive technology 45 years of high Quality

Flap Discs

Al. Ox. Flap Discs



Strong, high quality flap disc for general metal working

Dimension	Type	Article	Grit	Abrasive	Box	Master Box	m/s	Status
100 x 16		904672	40	Aluminum Oxide	10	120	80	■
100 x 16		904673	60	Aluminum Oxide	10	120	80	■
100 x 16		904674	80	Aluminum Oxide	10	120	80	■
100 x 16		904675	120	Aluminum Oxide	10	120	80	■
115 x 22		977028	40	Aluminum Oxide	10	120	80	■
115 x 22		977029	60	Aluminum Oxide	10	120	80	■
115 x 22		977030	80	Aluminum Oxide	10	120	80	■
115 x 22		959008	120	Aluminum Oxide	10	120	80	■
125 x 22		904676	40	Aluminum Oxide	10	120	80	■
125 x 22		904677	60	Aluminum Oxide	10	120	80	■
125 x 22		904678	80	Aluminum Oxide	10	120	80	■
125 x 22		904679	120	Aluminum Oxide	10	120	80	■
180 x 22		977034	40	Aluminum Oxide	10	120	80	■
180 x 22		977035	60	Aluminum Oxide	10	80	80	■
180 x 22		977036	80	Aluminum Oxide	10	80	80	■
180 x 22		904680	120	Aluminum Oxide	10	80	80	■
100 x 16		904681	40	Aluminum Oxide	10	80	80	■
100 x 16		904682	60	Aluminum Oxide	10	120	80	■
100 x 16		904683	80	Aluminum Oxide	10	120	80	■
100 x 16		904684	120	Aluminum Oxide	10	120	80	■
115 x 22		904685	40	Aluminum Oxide	10	120	80	■
115 x 22		904686	60	Aluminum Oxide	10	120	80	■
115 x 22		904687	80	Aluminum Oxide	10	120	80	■
115 x 22		904688	120	Aluminum Oxide	10	120	80	■
125 x 22		904689	40	Aluminum Oxide	10	120	80	■
125 x 22		904690	60	Aluminum Oxide	10	120	80	■
125 x 22		904691	80	Aluminum Oxide	10	120	80	■
125 x 22		904692	120	Aluminum Oxide	10	120	80	■
180 x 22		904693	40	Aluminum Oxide	10	80	80	■
180 x 22		904694	60	Aluminum Oxide	10	80	80	■
180 x 22		904695	80	Aluminum Oxide	10	80	80	■
180 x 22		904696	120	Aluminum Oxide	10	80	80	■

▲ Stock Item ■ Non Stock Item

Flap Discs

ZR Flap Discs



Very strong flap disc quality, higher performance for heavy metal and stainless steel working

Dimension	Type	Article	Grit	Abrasive	Box	Master Box	m/s	Status
100 x 16		904697	40	Zirconia / Alumina	10	120	80	■
100 x 16		904698	60	Zirconia / Alumina	10	120	80	■
100 x 16		904699	80	Zirconia / Alumina	10	120	80	■
100 x 16		904700	120	Zirconia / Alumina	10	120	80	■
115 x 22		977040	40	Zirconia / Alumina	10	120	80	■
115 x 22		977041	60	Zirconia / Alumina	10	120	80	■
115 x 22		977042	80	Zirconia / Alumina	10	120	80	■
115 x 22		904701	120	Zirconia / Alumina	10	120	80	■
125 x 22		904702	40	Zirconia / Alumina	10	120	80	■
125 x 22		904703	60	Zirconia / Alumina	10	120	80	■
125 x 22		904704	80	Zirconia / Alumina	10	120	80	■
125 x 22		904705	120	Zirconia / Alumina	10	120	80	■
180 x 22		904706	40	Zirconia / Alumina	10	120	80	■
180 x 22		904707	60	Zirconia / Alumina	10	80	80	■
180 x 22		977048	80	Zirconia / Alumina	10	80	80	■
180 x 22		904708	120	Zirconia / Alumina	10	80	80	■
100 x 16		904709	40	Zirconia / Alumina	10	80	80	■
100 x 16		904710	60	Zirconia / Alumina	10	120	80	■
100 x 16		904711	80	Zirconia / Alumina	10	120	80	■
100 x 16		904712	120	Zirconia / Alumina	10	120	80	■
115 x 22		904713	40	Zirconia / Alumina	10	120	80	■
115 x 22		904714	60	Zirconia / Alumina	10	120	80	■
115 x 22		904715	80	Zirconia / Alumina	10	120	80	■
115 x 22		904716	120	Zirconia / Alumina	10	120	80	■
125 x 22		904717	40	Zirconia / Alumina	10	120	80	■
125 x 22		904718	60	Zirconia / Alumina	10	120	80	■
125 x 22		904719	80	Zirconia / Alumina	10	120	80	■
125 x 22		904720	120	Zirconia / Alumina	10	120	80	■
180 x 22		904721	40	Zirconia / Alumina	10	80	80	■
180 x 22		904722	60	Zirconia / Alumina	10	80	80	■
180 x 22		904723	80	Zirconia / Alumina	10	80	80	■
180 x 22		904724	120	Zirconia / Alumina	10	80	80	■

▲ Stock Item ■ Non Stock Item

Flap Discs

Inox Flap Discs



180 x 22 discs can be produced upon request.

High quality flap disc for general metal and smooth work on stainless steel

Dimension	Type	Article	Grit	Abrasive	Box	Master Box	m/s	Status
115 x 22		904725	40	Zirconia / Alumina	10	120	80	■
115 x 22		904726	60	Zirconia / Alumina	10	120	80	■
115 x 22		904727	80	Zirconia / Alumina	10	120	80	■
125 x 22		904728	40	Zirconia / Alumina	10	120	80	■
125 x 22		904729	60	Zirconia / Alumina	10	120	80	■
125 x 22		904730	80	Zirconia / Alumina	10	120	80	■
115 x 22		904731	40	Zirconia / Alumina	10	120	80	■
115 x 22		904732	60	Zirconia / Alumina	10	120	80	■
115 x 22		904733	80	Zirconia / Alumina	10	120	80	■
125 x 22		904734	40	Zirconia / Alumina	10	120	80	■
125 x 22		904735	60	Zirconia / Alumina	10	120	80	■
125 x 22		904736	80	Zirconia / Alumina	10	120	80	■



▲ Stock Item ■ Non Stock Item

Flap Discs

Ceramic Flap Discs

Cool cut with top coat ▲



180 x 22 discs can be produced upon request.

Specialized strong and very high quality flap disc for high alloy steels with top coating for cool cut.

Dimension	Type	Article	Grit	Abrasive	Box	Master Box	m/s	Status
115 x 22		904737	40	Ceramic / Alu. Oxide	10	120	80	■
115 x 22		904738	60	Ceramic / Alu. Oxide	10	120	80	■
115 x 22		904739	80	Ceramic / Alu. Oxide	10	120	80	■
125 x 22		904740	40	Ceramic / Alu. Oxide	10	120	80	■
125 x 22		904741	60	Ceramic / Alu. Oxide	10	120	80	■
125 x 22		904742	80	Ceramic / Alu. Oxide	10	120	80	■
115 x 22		904743	40	Ceramic / Alu. Oxide	10	120	80	■
115 x 22		904744	60	Ceramic / Alu. Oxide	10	120	80	■
115 x 22		904745	80	Ceramic / Alu. Oxide	10	120	80	■
125 x 22		904746	40	Ceramic / Alu. Oxide	10	120	80	■
125 x 22		904747	60	Ceramic / Alu. Oxide	10	120	80	■
125 x 22		904748	80	Ceramic / Alu. Oxide	10	120	80	■



▲ Stock Item ■ Non Stock Item

Flap Discs

Jumbo Flap Discs



▲ %30 more flaps



180 x 22 discs can be produced upon request.

High stock removal capability of wide surfaces with %30 extra flaps for longer life.

Dimension	Type	Article	Grit	Abrasive	Box	Master Box	m/s	Status
115 x 22		904749	40	Zirconia / Alumina	10	120	80	▲
115 x 22		904750	60	Zirconia / Alumina	10	120	80	▲
115 x 22		968144	80	Zirconia / Alumina	10	120	80	▲
125 x 22		904751	40	Zirconia / Alumina	10	120	80	▲
125 x 22		904752	60	Zirconia / Alumina	10	120	80	▲
125 x 22		904753	80	Zirconia / Alumina	10	120	80	▲
115 x 22		904754	40	Zirconia / Alumina	10	120	80	▲
115 x 22		904755	60	Zirconia / Alumina	10	120	80	▲
115 x 22		904756	80	Zirconia / Alumina	10	120	80	▲
125 x 22		904757	40	Zirconia / Alumina	10	120	80	▲
125 x 22		904758	60	Zirconia / Alumina	10	120	80	▲
125 x 22		904759	80	Zirconia / Alumina	10	120	80	▲



▲ Stock Item ■ Non Stock Item

Flap Discs

Gold Flap Discs



Heavy duty flap discs ▲



180 x 22 discs can be produced upon request.

Very high quality flap disc designed for heavy duty work.

Dimension	Type	Article	Grit	Abrasive	Box	Master Box	m/s	Status
115 x 22		904760	40	Zirconia / Alumina	10	120	80	▲
115 x 22		904761	60	Zirconia / Alumina	10	120	80	▲
115 x 22		904762	80	Zirconia / Alumina	10	120	80	▲
125 x 22		904763	40	Zirconia / Alumina	10	120	80	▲
125 x 22		904764	60	Zirconia / Alumina	10	120	80	▲
125 x 22		904765	80	Zirconia / Alumina	10	120	80	▲
115 x 22		904766	40	Zirconia / Alumina	10	120	80	▲
115 x 22		904767	60	Zirconia / Alumina	10	120	80	▲
115 x 22		904768	80	Zirconia / Alumina	10	120	80	▲
125 x 22		904769	40	Zirconia / Alumina	10	120	80	▲
125 x 22		904770	60	Zirconia / Alumina	10	120	80	▲
125 x 22		904771	80	Zirconia / Alumina	10	120	80	▲



▲ Stock Item ■ Non Stock Item

Fibre Discs



◀ AWR11

Item Code	Product Type	Grit Range	Backing Material	Bond	Grain	Production Form	Dimensions	Properties	Recommendation for Application
AWR11	Fibre Discs	16 - 24 - 36 - 40 - 50 - 60 80 - 100 - 120 - 150 - 180 220 - 240 - 280 - 320	Vulcanized Fibre 0,8 mm.	Resin / Resin	Aluminum Oxide	Disc & Roll	115 x 22 125 x 22 180 x 22	<ul style="list-style-type: none"> • Aggressive cutting • High cut performance • Increased productivity 	Grinding and finishing of welding parts and chips of various metals



◀ AWR51

Item Code	Product Type	Grit Range	Backing Material	Bond	Grain	Production Form	Dimensions	Properties	Recommendation for Application
AWR51	Fibre Discs	24 - 36 - 40 - 50 - 60 - 80 100 - 120	Vulcanized Fibre; 08 mm.	Resin / Resin / Supersize Top Coating	Aluminum Oxide	Disc & Roll	115 x 22 125 x 22 180 x 22	<ul style="list-style-type: none"> • Aggressive cutting • Increased productivity • Cool cut / Long life 	Grinding and finishing of stainless steel parts and edges, where heat absorbance is crucial



◀ ZWR11

Item Code	Product Type	Grit Range	Backing Material	Bond	Grain	Production Form	Dimensions	Properties	Recommendation for Application
ZWR11	Fibre Discs	24 - 36 - 40 - 50 - 60 - 80 100 - 120	Vulcanized Fibre; 08 mm.	Resin / Resin	Zirconia / Alumina	Disc & Roll	115 x 22 125 x 22 180 x 22	<ul style="list-style-type: none"> • Fast cut performance, long wear • Increased productivity • Cool cut / Long life 	Grinding and finishing of heavy metals / stainless steel parts and edges



◀ ZWR51

Item Code	Product Type	Grit Range	Backing Material	Bond	Grain	Production Form	Dimensions	Properties	Recommendation for Application
ZWR51	Fibre Discs	24 - 36 - 40 - 50 - 60 - 80 100 - 120	Vulcanized Fibre 0,8 mm.	Resin / Resin / Supersize Top Coating	Zirconia / Alumina	Disc & Roll	115 x 22 125 x 22 180 x 22	<ul style="list-style-type: none"> • High cut performance • Increased productivity • Cool cut • Extreme long life 	Grinding of high alloy / stainless steel parts and edges, where heat absorbance is crucial



◀ CER51

Item Code	Product Type	Grit Range	Backing Material	Bond	Grain	Production Form	Dimensions	Properties	Recommendation for Application
CER51	Fibre Discs	24 - 36 - 40 - 50 - 60 - 80 100 - 120 - 150	Vulcanized Fibre 0,8 mm.	Resin / Resin / Supersize Top Coating	Ceramic / Aluminum Oxide	Disc & Roll	115 x 22 125 x 22 180 x 22	<ul style="list-style-type: none"> • Excellent grinding performance • Cool & aggressive cutting • Self sharpening effect 	Grinding and finishing of stainless steel, high alloy steels, chrome, nickel, titanium



◀ CWR11

Item Code	Product Type	Grit Range	Backing Material	Bond	Grain	Production Form	Dimensions	Properties	Recommendation for Application
CWR11	Fibre Discs	16 - 24 - 36 - 40 - 50 - 60 - 80 - 100 - 120 - 150 - 180 - 220 - 240 - 280 - 320 - 400	Vulcanized Fibre 0,8 mm.	Resin / Resin	Silicon carbide	Disc & Roll	115 x 22 125 x 22 180 x 22	<ul style="list-style-type: none"> • Aggressive cutting • Maximized cutting performance 	Sanding of ceramics, stone, marble, glass and metal

i Available cutting shapes

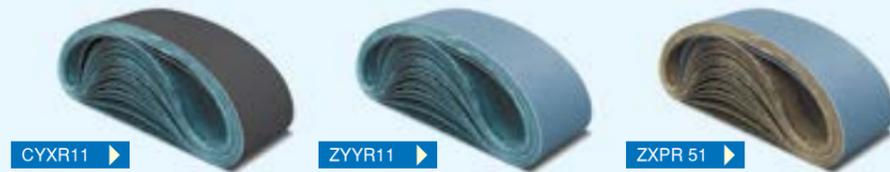


Endless Belts

i Belt dimensions which are not specified can be prepared upon request.



Item Code	Grain	Grit Range	Backing	Suggested Application	Possible Application	Special Coating	Most used dimensions				
AXR 11	A/O	P 36-120	X Standard Cotton	Metal	Wood/Plastic	•	13 x 454	75 x 533	75 x 610	100 x 610	100 x 920
AXPR 11	A/O	P 24-400	X Stiff Poly/Cotton	Metal	Wood	•	50 x 2000	100 x 610	150 x 1000	200 x 750	1400 x 1920
ZXPR 11	Z/A	P24-120	X Stiff Poly/Cotton	Metal	•	•	50 x 2000	75 x 2500	150 x 1000	100 x 3500	1400 x 1900
ZXR 11	Z/A	P36-120	X Stiff Cotton	Metal	Wood	•	50 x 2000	75 x 2500	150 x 1000	100 x 3500	•
ZXR 12	Z/A	P36-120	X Standard Cotton	Metal	Wood	•	50 x 2000	75 x 2500	150 x 1000	100 x 3500	•
AXFR 11	A/O	P 40-600	X Semi-flexible Cotton	Metal	•	•	13 x 454	37 x 1750	50 x 2000	75 x 2500	100 x 3000
AXOP 21	A/O	P 40-220	X Standard Cotton	Wood	Soft Metal	•	75 x 533	75 x 610	100 x 610	200 x 480	200 x 750
CXR 11	SiC	P60-400	X Waterproof Cotton	Glass/Stone	Plastic	•	30 x 533	100 x 1700	100 x 1830	100 x 3350	•



Item Code	Grain	Grit Range	Backing	Suggested Application	Possible Application	Special Coating	Most used dimensions				
CYXR 11	SiC	P60-180	YX Polyester	Glass/Stone	Plastic	Supersize Top Coating	100 x 1700	100 x 1830	100 x 3350	•	•
ZYR 11	Z/A	P24-80	YY Heavy Polyester	Heavy Metal	Leather	Supersize Top Coating	37 x 1750	50 x 2000	75 x 2500	100 x 2500	150 x 2000
ZXPR 51	Z/A	P24-120	X Stiff Poly/Cotton	Metal/Stainless steel	•	Supersize Top Coating	37 x 1750	50 x 2000	75 x 2500	100 x 1200	150 x 2000



Item Code	Grain	Grit Range	Backing	Suggested Application	Possible Application	Special Coating	Most used dimensions				
ZXSP 51	Z/A	P60-120	YX Polyester	Heavy Metal/Stainless steel	•	Extra Top Coating	37 x 1750	50 x 2000	75 x 2500	100 x 1200	150 x 1500
ZYSP 51	Z/A	P24-50	YY Heavy Polyester	Heavy Metal/Stainless steel	•	Extra Top Coating	37 x 1750	50 x 2000	75 x 2500	100 x 3000	150 x 2000



AJFR 11 ▶



AJFR 12 ▶



CJFR 11 ▶



CJFR 31 ▶

Item Code	Grain	Grit Range	Backing	Suggested Application	Possible Application	Special Coating	Most used dimensions (mm.)				
AJFR 11	A/O	P 60-600	J Super Flexible Cotton	Metal/Stainless steel	Aluminium	•	37 x 1750	50 x 1500	50 x 2000	75 x 2500	100 x 3000
AJFR 12	A/O	P 60-600	J Super Flexible Cotton	Soft Metals/Aluminium	Wood	•	37 x 1750	50 x 1500	50 x 2000	75 x 2500	100 x 3000
CJFR 11	SiC	P60-400	J Poly/Cotton	Metal/Glass/Stone	Plastic	•	100 x 3000	200 x 3500	240 x 3300	•	•
CJFR 31	SiC	P60-400	J Poly/Cotton	Non ferrous metal	Paint / Filler / Varnish	Stearate Coating	100 x 3000	200 x 3500	240 x 3300	•	•



AEFR 11 ▶



AFR 71 ▶

Item Code	Grain	Grit Range	Backing	Suggested Application	Possible Application	Special Coating	Most used dimensions (mm.)				
AEFR 11	A/O	P 36-400	E / F Paper	Metal/Wood	•	•	1150 x 2620	1300 x 1900	1350 x 2200	1380 x 2620	•
AFR 71	A/O	P 60-220	F Antistatic Paper	Aluminium/Wood	Paint/Filler/Varnish	Antistatic	910 x 1900	1000 x 2200	1150 x 2100	1300 x 1900	•



Belt dimensions which are not specified can be prepared upon request.

Abrasive Sheets

Cloth & Paper Sheets



Sheets 230x280 mm.	Item Code	Grain	Grit Range	Backing	Suggested App.	Possible App.
CLOTH	AJR 11	A/O	P 40-400	J Flexible Cotton	Metal	Wood
CLOTH	AXR 11	A/O	P 36-120	X Standard Cotton	Metal	Wood
CLOTH	AXOP 21	A/O	P 40-220	X Standard Cotton	Wood	Soft Metal
PAPER	ACR 11	A/O	P 60-1200	C Waterproof	Metal/Automotive	Wood
PAPER	CAR/CCR 11	SIC	P 60-1500	A/C Waterproof	Paint/Filler/Varnish/ Metal	Wood



Diamond Blades



Diamond Blades



Segmented Diamond Blade

Dimension	Type	Box	Master Box	Weight	m/s
115 x 2.0 x 22		1	•		80
180 x 2.2 x 22		1	•		80
230 x 2.4 x 22		1	•		80
180 x 2.2 x 22		1	•		80

Specifications:

- For dry use
- Fast cut
- Fast cutting for concrete



Wave Turbo Diamond Blade

Dimension	Type	Box	Master Box	Weight	m/s
115 x 2.2 x 22		1	•		80
180 x 2.4 x 22		1	•		80
230 x 2.6 x 22		1	•		80
180 x 2.4 x 22		1	•		80
230 x 2.6 x 22		1	•		80

Specifications:

- For wet & dry use
- Cool and fast cut
- For cutting marble, granite, tile, ceramic and brick



Turbo Diamond Blade

Dimension	Type	Box	Master Box	Weight	m/s
115 x 2.0 x 22		1	•		80
180 x 2.2 x 22		1	•		80
230 x 2.4 x 22		1	•		80
180 x 2.2 x 22		1	•		80
230 x 2.4 x 22		1	•		80

Specifications:

- For wet & dry use
- Fast cut
- For cutting marble, granite, concrete, tile, ceramic and brick



Continuous Rim Diamond Blade

Dimension	Type	Box	Master Box	Weight	m/s
115 x 1.8 x 22		1	•		80
180 x 2.0 x 22		1	•		80
230 x 2.3 x 22		1	•		80

Specifications:

- For wet & dry use
- Sensitive and easy cut
- For cutting tile, granite, marble, ceramic and brick

WinnerFlex®

Abrasive Products

Bonded Abrasive Plant

Karbosan Zımpara Taşı San. A.Ş.
Halkalı Yolu No. 253 Sefaköy
K.Çekmece - İstanbul / Turkey
P: +90 212 698 90 90 (pbx)
F: +90 212 698 90 96
@: export@karbosan.com.tr

Coated Abrasive Plant

Veilköy Sanayi Bölgesi
Sanayi Caddesi No. 76
Çerkezköy - Tekirdağ / İstanbul
P: +90 262 746 13 91 (pbx)
F: +90 212 471 67 85
@: export@karbosan.com.tr