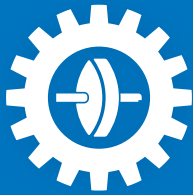


Karbosan

**PRODUCT
CATALOGUE**
2023



Karbosan

Karbosan, Turkey's first manufacturer of bonded abrasive products, started its production activities in Istanbul Halkalı in 1967 with a workforce of 40 employees, established on an area of 9.000 m².

Today, a total of 630 employees and 95.000 m² area, Istanbul Halkalı and Tekirdağ Çerkezköy factories are offering quality, reliable and high performance products to more than 75 countries in 6 continents.

Thanks to the investments in innovation and R&D studies, Karbosan has a wide range of products for perfect surfaces.

With 56 years of experience in production of high quality bonded abrasive products, Karbosan has built on its system to meet the needs and expectations of its customers with high performance, from raw material supply to after-sales services.

Karbosan is the first company in Turkey to produce bonded abrasives according to the ISO 9001 Quality Management System and the first Turkish company to be a member of European Abrasive Manufacturers Federation (FEPA) and Organization for the Safety of Abrasives (OSA) with high quality production.

The quality of Karbosan product range is certified by Turkish Standards Institute as TS EN 12413 for bonded abrasives and TS EN 13743 for coated abrasives.

Karbosan takes into consideration the environmental impacts and in every step from the raw material to the delivery of the product to the customers makes its production delicate to the nature according to ISO 14001 Environmental Management system.



Content

1 • Company Profile	4
Numbers	6
History	7
R&D	8
Production	10
Quality	12
Certifications	13
Sales & Marketing	14
Strategy	16

2 • Application Areas	18
Metal & Construction	20
Wood & Furniture	21
Metal & Construction	22
Floor Sanding	23
Shipyard	24
Foundry	25
Polishing	26
Glazing & Stone & Granite	27
Knives & Cutlery & Kitchen	28
Automotive	29
Roll Grinding	30
Railway & Transportation	31
Plastic & Rubber & Leather	32

3 • Innovation and New Products	34
Shoproll Cloth AJR12	36
Flap Wheel Cloth AXFR12	36
New AGYYR24 Product	37
Hook&Loop Discs AHR31 and ACR31	37
Rail Cut-Off Discs	38
Saw Sharpening Wheel	39
New Precision Grinding Wheels	39

4 • Products	40
Bonded Abrasives	42
Technical Information	44
Abrasive Grains	44
Revolution and Peripheral Speed Values	44
Types	45
Pictogram and Symbols	46
Safety Recommendations for Use	47
Precautions Against Possible Risks	47
Technical Table	48

Resin Bonded Products	50
Cut-Off Discs	52
Technical Information	54
Label Information	54
Specifications Definition	54
Material Pictograms and Colors	54
Types	55
Usage Recommendations and Information	55
Thin Line Cut-Off Discs	56
Metal	56
Stainless Steel (Inox)	57
Aluminium	58
Plus Thin Line Cut-Off Discs	60
Zirconium	60
Cut & Cut	61
Cut-Off Discs	62
Metal	62
Stainless Steel (Inox)	63
Aluminium	64
Cast Iron	65
Marble	66
Plus Cut-Off Discs	67
Industry Metal	67
ZA Cast Iron	68
AC Cast Iron	69
Stationary Machine Cut-Off Discs	70
Metal	70
Cast Iron	71
Petrol Saw Cut-Off Discs	72
Cast Iron	72
Rail Cut-Off Discs	73
Metal	73
Plus Rail Cut-Off Discs	74
Zirconia	74
Cut-Off & Grinding Discs	75
Metal	75
Grinding Discs	76
Technical Information	78
Label Information	78
Specifications Definition	78
Material Pictograms and Colors	78
Type	79
Usage Recommendations and Information	79
Grinding Discs	80
Metal	80
Stainless Steel (Inox)	81
Cast Iron	82
Aluminium	83
Plus Grinding Discs	84
Metal	84
ZA Cast Iron	85
Grinding Wheels	86
Conical Cup Wheels	88

Flat Cup Wheels	88
Marble & Mosaic Cup Wheels	89
NK Recessed Grinding Discs	89
Vitrified Products	90
Grinding Wheels	92
Aluminum Oxide Grinding Wheels	94
SCG Diamond Sharpening Wheels	95
Steel Grinding Wheels	96
Glass Grinding Wheels	98
Crystal Grinding Wheels	99
AO Mosaic Scrubbing Stones	100
Scythe Sharpener	101
Saw Sharpening	102
NK Saw Sharpening	104
EKR Saw Sharpening	105
Tool Sharpening	106
Form D Cup Wheels	108
Form E Conical Cup Wheels	109
Diamond Blades	110
Segmented Diamond Blades	112
Thin Line Segmented Diamond Blade	113
Turbo Diamond Blades	114
Continuous Rim Diamond Blades	115
Wave Turbo Diamond Blades	116
Coated Abrasives	124
Technical Information	126
Abrasive Grains	126
Grit Size Guide	126
Coating	127
Product Code Information	128
Backings	128
Product Selection & Storage Conditions	129
Technical Table	130
Abrasive Belts & Rolls	132
Technical Information	134
Dimensions	134
Joint Forms	135
Safety Pictograms	135
Polyester Film	136
AHR31	136
C Weight Paper	137
ACR31	137
F Weight Paper	138
AFR71	138
CFR91	139
ZFR91	140
CEFR91	141
J Cotton Cloth	142
AJR12	142
J Flexible Cotton Cloth	143

Content

AJFR12	143	Comfort Line Flap Discs	180	Latex SC Waterproof Sandpaper	224
AJFR11	144	Aluminum Oxide LD	180	Non-Woven Sheet	225
J Flexible Poly-Cotton Cloth	145	Aluminum Oxide SD	181	Sponge Abrasive	225
AJFR13	145	Zirconia LD	182	Flap Wheels	226
AJFR10	146	Zirconia SD	183	Technical Information	228
CJFR11	147	Zirconia HD	184	Product Types	228
CEF51	148	Universal Line Flap Discs	186	Application and Performance Table	229
X Semi Flexible Cotton Cloth	149	Zirconia SD	186	Types and Diameters	229
AXFR11	149	Premium Line Flap Discs	187	Flap Wheel With Spindle	230
AXFR12	150	Aluminum Oxide SD	187	Abrasive Cloth	230
X Cotton Cloth	151	Zirconia SD	188	Non-Woven	231
AXOP21	151	Zirconia HD	189	Non-Woven Combi	231
X Heavy Cotton Cloth	152	Ceramic SD	190	Flap Wheel With Flange	232
AXER11	152	Fibre Discs	192	Abrasive Cloth	232
ZXR11	153	Accessories	194	Non-Woven	232
ZXR12	154	Technical Information	194	Non-Woven Combi	232
X Heavy Poly-Cotton Cloth	155	Product Category Information	194	Keyway Flap Wheels	233
AXPR11	155	Application and Performance Table	195	Abrasive Cloth	233
ZXPR11	156	Types and Diameters	195	Non-Woven	233
Y Poly-Cotton Cloth	157	Product Types	196	Non-Woven Combi	233
ZXPR22	157	Product Backside Information	197	Flap Type Flap Wheels	234
CEY51	158	Aluminum Oxide Eco Fibre Discs	198	Abrasive Cloth	234
YY Polyester Cloth	159	Aluminum Oxide Fibre Discs	199	Non-Woven	234
AYXR11	159	Zirconia Fibre Discs	200	Non-Woven Combi	234
ZYYR11	160	Zirconia Topsize Fibre Discs	201	Unitized	234
ZYYR51	161	Ceramic Fibre Discs	202	Threaded Flap Wheels	235
CYXR11	162	Hook & Loop Discs	204	Abrasive Cloth	235
CEYYR21	163	Technical Information	206	Non-Woven	235
CEYYR51	164	Product Category Information	206	Non-Woven Combi	235
CEYYR52	165	Application and Performance Table	207	Flap Wheel With Spindle	236
AGYYR21	166	Product Types	208	Abrasive Cloth	236
AGYYR24	167	Types and Diameters	209	Non-Woven	237
Z Polyester Cloth	168	Polyester Film Hook & Loop Discs	210	Non-Woven Combi	237
CZR71	168	Aluminum Oxide	210	Quick Lock Discs	238
Vulcanized Fibre	169	C Paper Hook & Loop Discs	211	Technical Information	240
AWER11	169	Aluminum Oxide	211	Product Types	240
AWR11	170	F Paper Hook & Loop Discs	212	Application and Performance Table	241
ZWR11	171	Aluminum Oxide	212	Dimensions	241
ZWR51	172	Silicon Carbide	213	Aluminum Oxide Quick Lock Discs	242
CER51	173	Zirconia	214	Zirconia Quick Lock Discs	242
Flap Discs	174	Ceramic	215	Ceramic Quick Lock Discs	243
Technical Information	176	X Cotton Cloth Hook & Loop Discs	216	Fine Non-Woven Quick Lock Discs	244
Product Category Information	176	Aluminum Oxide	216	Medium Non-Woven Quick Lock Discs	244
Backing Type	176	Zirconia	217	Coarse Non-Woven Quick Lock Discs	245
Categories	177	YY Polyester Cloth Hook & Loop Discs	218	SC Unitized Quick Lock Discs	245
Densities	177	Aluminum Oxide	218		
Types and Diameters	177	Zirconia	219		
Advantages of Flap Discs	177	Aluminum Oxide	220		
Product Types	178	Compact Aluminum Oxide	221		
Application and Performance Table	179	Sheets and Sponge	222		
Label Information	179	Latex AO Waterproof Sandpaper	224		



1

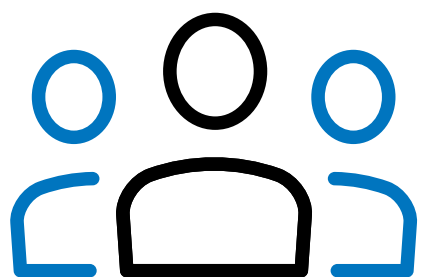
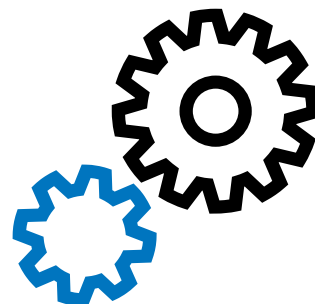
Company Profile



- Numbers & History
- R&D
- Production
- Quality & Certifications
- Sales & Marketing
- Strategy

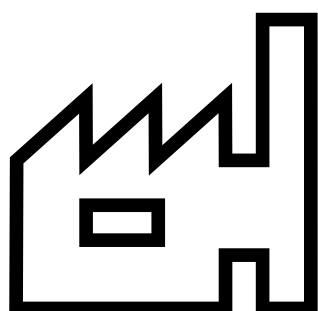
Numbers

56 **since 1967**
producing abrasives
years experience



630
employees

75 +
exported countries



95 **K m²**
closed production area

History

1967

1968

1969

1970

1971

1972

1973

1974

1975

1976

1977

1978

1979

1980

1981

1982

1983

1984

1985

1986

1987

1988

1989

1990

1991

1992

1993

1994

1995

1996

1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

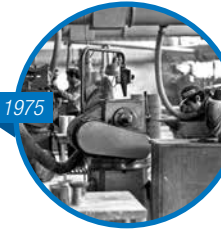
2022

1967



Started production in bonded abrasive industry with 40 workers at its 9.000 m² covered area factory in Halkalı, İstanbul.

1975



The first company in Turkey that produces organic and inorganic bonded abrasive products.

2000



Karbosan has TSE label since the beginning and its products was entitled by the European norm TS EN 12413 for bonded abrasives.

2000



The first company producing abrasive products in Turkey according to ISO Quality Management System.

2001



The first company that was entitled to be a member of FEPA, Federation of European Producers of Abrasives.

2002



The first abrasive factory in Turkey that was entitled to be a member of OSA, Organization of Safety of Abrasives.

2004



Karbosan was entitled by Turkish Standards Institute (TSE) to EN 13743 for coated abrasives.

2009



Karbosan established one of the most modern factories for coated abrasives production, located in Çerkezköy, Tekirdağ.

2017



Karbosan has celebrated its 50th anniversary as a strong player in abrasive industry.

2018



Karbosan production process is certified with ISO 14001 Environmental Management System.

R&D



Karbosan intensely focus on product development activities with its effective engineering team.



Bonded Abrasives



Coated Abrasives



Diamond Blades



Product development activities are carried on many areas in order to increase product quality and decrease product costs.

Production



A total of 95K m² closed production area for bonded and coated abrasives



Lean Production

Modern Automation

Continuously Improved
Production Process

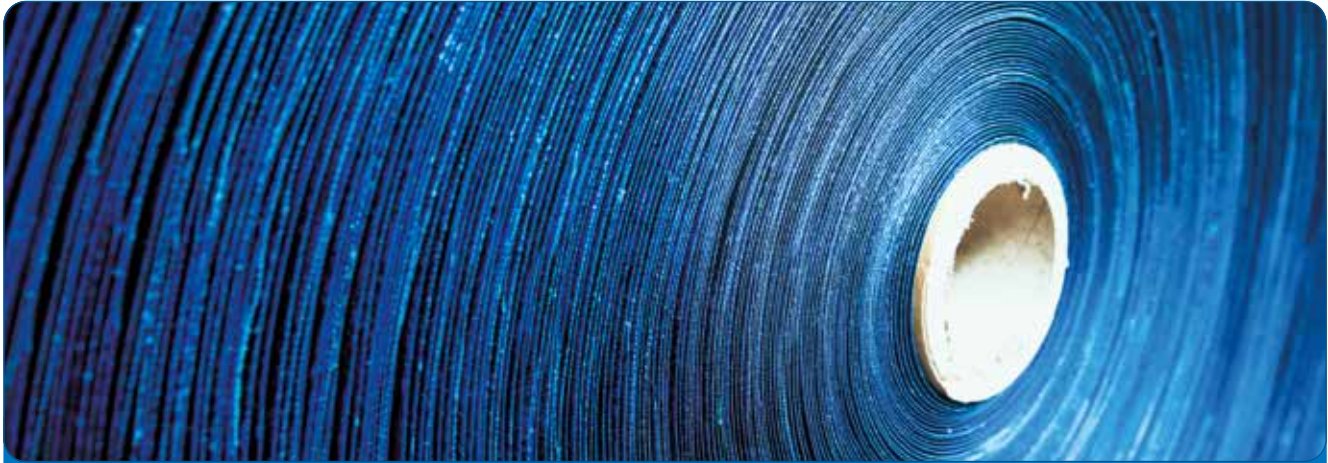


Leadership is achieved through continuous development of products offering enhanced customer value and lower product costs.



Karbosan aims to radically reduce product and process costs through cost efficiency programs and sustainable operations.

Quality



Karbosan has built up all the quality processes from raw material supply to after-sales services to meet the needs and expectations of its customers with high performance.

Karbosan quality laboratories are continuously improved with intensive innovation studies in order to produce efficiently.

With its management, quality and safety certifications, Karbosan always sustains its production at a high level of safety and quality.



R&D & Bonded Abrasives Quality Laboratory



Coated Abrasives Quality Laboratory



Bonded Abrasive Performance Test Area



Coated Abrasive Performance Test Area

Certifications



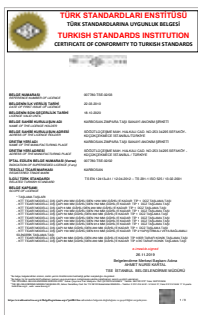
ISO 9001:2015 Quality Management System Certifications

Karbosan is the first Turkish company manufacturing abrasive product certified with ISO 9001 Quality Management System.



ISO 14001:2015 Environmental Management System Certifications

Karbosan production process is certified with ISO 14001 Environmental Management System.



Turkish Standards Institute (TSE) TS EN 12413 Certification

Karbosan products' quality is certified by Turkish Standards Institute (TSE) TS EN 12413 for bonded abrasives.



Turkish Standards Institute (TSE) TS EN 13743 Certification

Karbosan products' quality is certified by Turkish Standards Institute (TSE) TS EN 13743 for coated abrasives.



Federation of European Producers of Abrasives (FEPA) Membership

Karbosan is the first Turkish company as a member of Federation of European Producers of Abrasives (FEPA) with its high quality production.



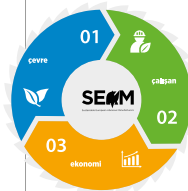
Organization for the Safety of Abrasives (OSA) Membership Certification

Karbosan is the first Turkish company as a member of Organization for the Safety of Abrasives (OSA) with its reliable production.



Coated Abrasive Fabricators Association (CAFA)

Karbosan is a member of Coated Abrasive Fabricators Association (CAFA) which connects suppliers and manufacturers in the industry.



Sustainable European Abrasive Manufacturers Program Membership (SEAM)

Karbosan is a member of Sustainable European Abrasive Manufacturers (SEAM) program. SEAM program is a FEPA initiative to commit continually improve sustainability for the environment, occupational health and safety and production processes.



Sales & Marketing



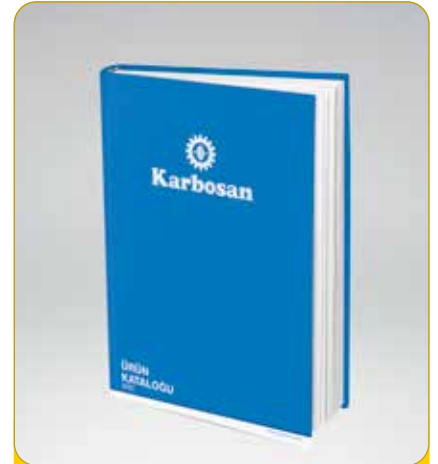
Karbosan, provides all technical information and support in all areas with various sales and marketing activities in abrasive solutions market.



Website



Social Media



Catalogues & Brochures



Exhibitions & Launches



Shop Designs



Promotions



Technical Support

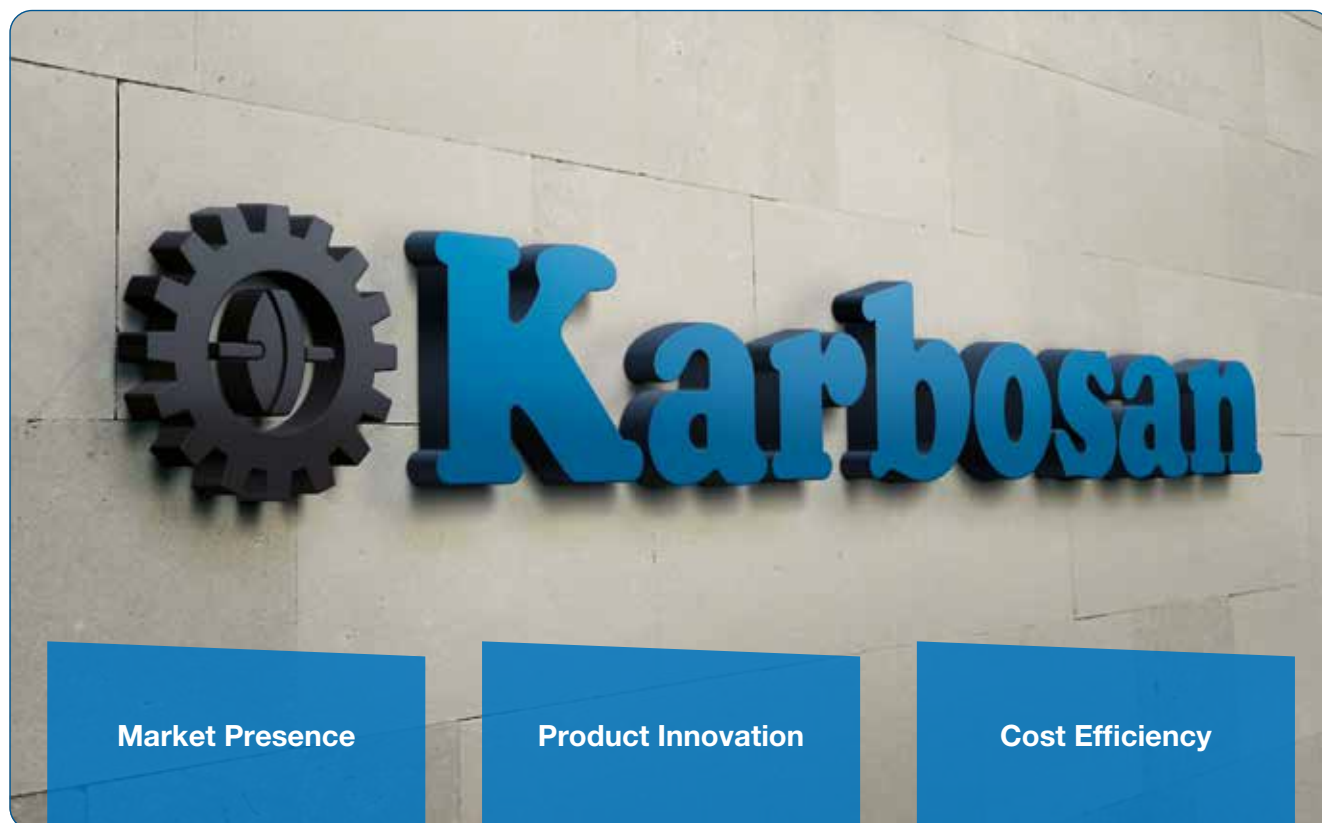


Test & Training



Service

Strategy



Our Vision

To increase customer satisfaction and loyalty by offering our innovative products with superior performance and quality in abrasive solutions market,

To be a highly preferred international brand by continuously increasing our global market share by making a difference in competition power,

To increase the importance and the value that we give for sustainability, environmental awareness, human security and education.



Karbosan is the leading brand in abrasive solutions market with a wide range of products all across the world.



The Leading Brand



Worldwide Expansion



Wide Product Range

Clear Market Strategy

World Leadership in Innovation

**Customer Oriented
Efficient Organization**



Karbosan is a strong player in improved industrialization, increasing urbanization and continuously expanding abrasive market.



2

Application Areas



Metal & Construction



115x1.0 Thin Line & ZA Thin Line Cutting Discs

Comfortable cutting high performance in thin cutters. It has aggressive abrasion capability with zirconium abrasive beads.



115x6.4 Grinding Discs

It is suitable for general purpose metal removal. Provides optimum performance in any application.



Comfort Line Zirconia & Premium Line Zirconia Flap Discs

Comfort Line Zirconia Flap Disc cotton cloth abrasive backing ZXR11 used for low pressure and low power operations for Stainless Steel and Premium Line Zirconia Flap Disc polycotton cloth abrasive backing ZXPR22 used for high pressure and high power operations for Metal and Steel.



ZWR11 Zirconia Fibre Disc

Ideal for sanding low alloy steel, stainless steel (Inox), high alloy steel, heat resistant steel and cast iron materials having standard vulcanized fibre backing and aggressive Zirconia abrasive grains.

Wood & Furniture



ACR31 Aluminum Oxide C Weight Paper Hook & Loop Disc

Ideal for sanding undercoated, painted and varnished surfaces in wood, automotive, paint and marine sectors, ACR31 having C weight paper backing with open coated Aluminum Oxide abrasive, also with anti-clogging Stearate coating which allows long lifetime and constant grinding.



AJR12 Aluminium Oxide J Cotton Roll

Ideal for wood and metal in shoprolls and sheets. Flexible structure, easily tearable by hand.



AJFR12 Aluminium Oxide J Flexible Cotton Endless Belt

J flexible cotton cloth backing with Aluminum Oxide abrasive AJFR12 is ideal for wood industry, furniture accessories, hardware and relevant sectors. Flexible structure and easily tearable by hand.



AXOP21 Narrow Belts

Having Semi-Open Aluminum Oxide abrasives, AXOP21 with X cotton cloth backing is suitable for narrow belts.

Wood & Metal Calibration



AFR71 Aluminium Oxide F Weight Paper Segmented Belt

AFR71 is ideal for sanding wooden panels with single or double joint segmented belts. Having antistatic F weight paper, also antistatic coating (which prevents the sticking of dust) and closed coated Aluminum Oxide abrasive.



CFR91 Silicon Carbide F Weight Paper Segmented Belt

CFR91 is ideal for sanding wooden panels with single or double joint segmented belts. Having antistatic F weight paper, also antistatic coating (which prevents the sticking of dust) and semi open coated Silicon Carbide abrasive.



ZFR91 Zirconia F Weight Paper Segmented Belt

ZFR91 is ideal for sanding metal sheets with single or double joint segmented belts. Having antistatic F weight paper, also antistatic coating (which prevents the sticking of dust) and semi open coated Zirconia abrasive.



CZR71 Silicon Carbide Z Polyester Cloth Segmented Belt

CZR71 is ideal for sanding wooden panels with single or double joint segmented belts. Having antistatic F weight cloth, also antistatic coating (which prevents the sticking of dust) and closed coated Silicon Carbide abrasive.

Floor Sanding



AFR71 Aluminium Oxide F Weight Paper Hook & Loop Disc

AFR71 is ideal for floor sanding in hook&loop discs. Having antistatic F weight paper, also antistatic coating (which prevents the sticking of dust) and closed coated Aluminum Oxide abrasive.



CFR91 Silicon Carbide F Weight Paper Hook & Loop Disc

CFR91 is ideal for floor sanding in hook&loop discs. Having antistatic F weight paper, also antistatic coating (which prevents the sticking of dust) and semi-open coated Silicon Carbide abrasive.



ZXPR22 Zirconia Y Polycotton Endless Belt

Having Y poly-cotton cloth backing and 100% Zirconia abrasive, high stock removal and long life, ZXPR22 is ideal for floor sanding in endless belts.



CEYYR21 Ceramic Y Polyester Endless Belt

Having Y polyester cloth backing and Ceramic abrasive, high stock removal and long life, CEYYR21 is ideal for floor sanding in endless belts.

Shipyard



115x7.0 Grinding Disc (Marin)

It provides high performance in the grinding of welding places in the shipyard sector.



125x4.0 Cut-Off & Grinding Disc

It provides comfortable operation especially in deburring operations in narrow corners.



CER51 Ceramic Top Size Fibre Disc

Ideal for Shipyard industry in sanding stainless steel (Inox), high alloy steel and heat resistant steel and cast iron materials, having thicker vulcanized fibre backing and aggressive Ceramic abrasive grains, also heat absorbant Top Size.



Premium Line Ceramic Top Size Flap Disc

Premium Line Ceramic Top Size Flap Disc polycotton cloth abrasive backing CEY51 is ideal for Shipyard Industry and used for high pressure and high power operations for Metal and Steel.

Foundry



Swing Frame Grinding Wheels

It is suitable for grinding burrs and feeder parts of large casting blocks. Ideal for various applications in foundry industry.



230x3.8 AC Industry Cut-Off Disc

Used for cutting ductile iron and cast iron burrs. Ideal for various applications in foundry industry.



230x7.0 ZA Grinding Disc

It is used for heavy cast burrs grinding. Ideal for various applications in foundry industry.



Endless Belts with Y Polyester Cloth Backing

Having Y polyester cloth backing, high stock removal and long life, various types of products are ideal for sanding various types of castings with endless belts. ZYYR11 with 100% Zirconia, ZYYR51 with 100% Zirconia with Top Size, CEYYR51 Ceramic with Top Size, CEYYR52 Ceramic & Zirconia with Top Size.

Polishing



AHR31 Aluminum Oxide Polyester Film Hook & Loop Disc

Ideal for sanding various types of surfaces in automotive, paint, marine and stainless steel sectors, AHR31 having polyester film backing with semi open coated Aluminum Oxide abrasive, also with anti-clogging Stearate coating which allows faster cutting, long lifetime and constant grinding. Ideal for sanding paint and primer in automotive industry. Suitable for dry and wet applications. Tear resistant.



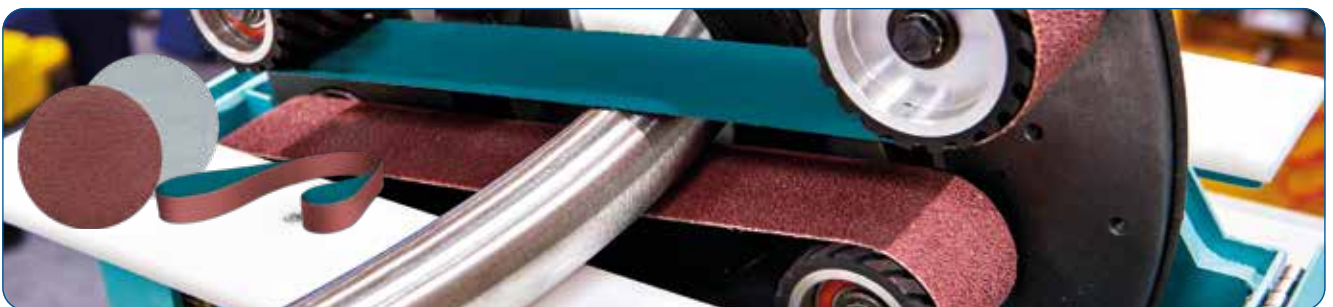
AJFR13 and AJFR10 Aluminium Oxide Top Size J Flexible Polycotton Endless Belts

Highly durable and flexible J Flexible Polycotton cloth backing with Aluminum Oxide grain allows perfect surfaces in various types of applications in polishing industry. AJFR13 as the standart version, AJFR10 as the heat resistant Top Size version.



Flap Wheel With Flange and Keyway Flap Wheels

Suitable for grinding wide and cylindrical parts both for inner and outer surfaces. Used in grinding various formed surfaces such as pots and pans. Suitable for both fixed and hand tools.



AGYYR21 Compact Aluminium Oxide Endless Belt and Hook & Loop Disc

AGYYR21 with Compact Aluminum Oxide grain and YY Polyester cloth backing is served as endless belts and hook & loop discs for continual and long lasting stock removal of high alloy steel, stainless steel and low alloy steel.

Glazing & Stone & Granite



Marble Cut-Off Discs

Suitable for cutting artificial and natural rocks such as marble, brick, concrete, tile, shingle, curbstone. Featuring Silicon Carbide mixture abrasive grains and a hard structure, the product offers long lifespan and advantage of convenient cutting.



230x2.3 Diamond Blade

Suitable for wet or dry precision cutting processes of tiling, in particular and materials such as granite, marble, ceramic and brick. It does not break the material edges during cutting process.



CYXR11 Silicon Carbide Y Polyester Endless Belt

Having Y polyester cloth backing and Silicon Carbide abrasive, high stock removal and long life, CYXR11 is ideal for sanding glass with endless belts.

Knives & Cutlery & Kitchen



AJFR10 Aluminum Oxide Top Size J Flexible Polycotton Endless Belt

Highly durable and flexible J Flexible Polycotton Cloth backing, Aluminum Oxide grain and heat resistant Top Size coating AJFR10 allows perfect surfaces in various types of applications in knives and cutlery industries.



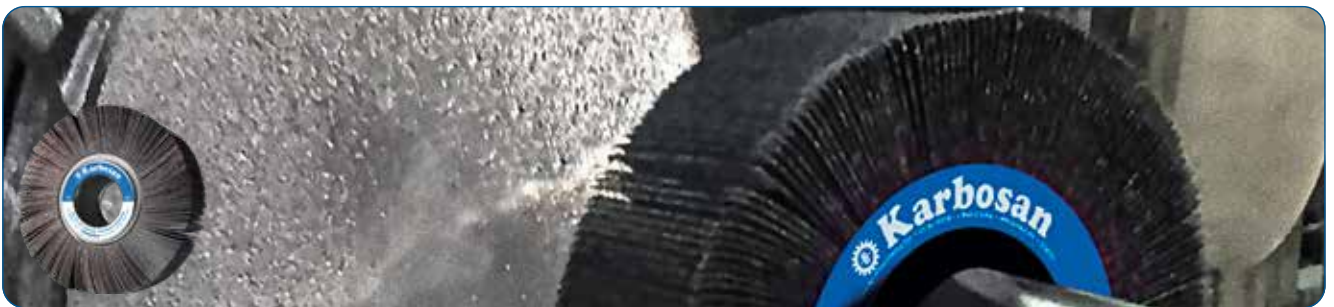
CEF51 Ceramic Top Size J Flexible Polycotton Endless Belt

Highly durable and flexible J Flexible Polycotton Cloth backing, Ceramic grain and heat resistant Top Size coating CEF51 allows perfect surfaces in various types of applications in knives and cutlery industries.



ZYR11 Zirconia Y Polyester Endless Belt

Having Y polyester cloth backing and 100% Zirconia abrasive, high stock removal and long life, ZYR11 is ideal for sanding knives, cutlery and kitchen accessories with endless belts.



Flap Wheel With Flange and Keyway Flap Wheels

Suitable for grinding wide and cylindrical parts both for inner and outer surfaces. Used in grinding various formed surfaces such as pots and pans. Suitable for both fixed and hand tools.

Automotive



Crankshaft Grinding Wheels

It is used for precision grinding of crankshafts. Specially designed products according to the grinding machine type having dimensions, types and specifications suitable for the machine.



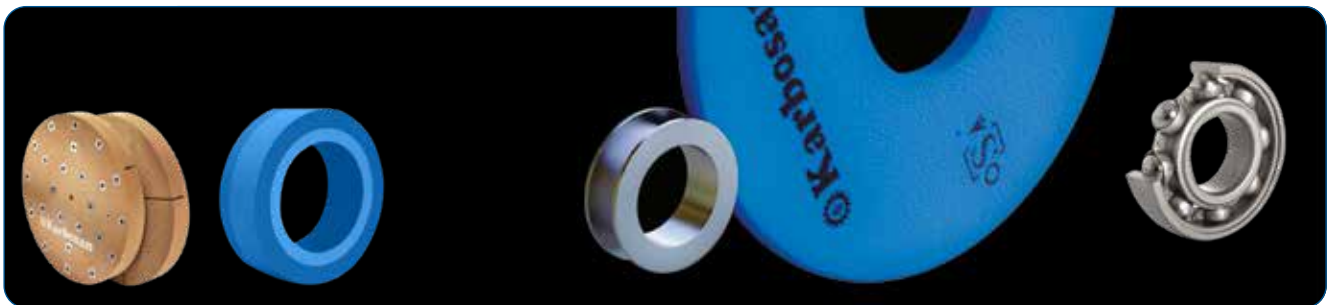
Camshaft Grinding Wheels

It is suitable for precision grinding of camshafts. Thanks to the special abrasives in its structure, it does not cause burns on the ground surface. Provides superior performance on all types of camshaft surfaces. Specially designed products according to the grinding machine type having dimensions, types and specifications suitable for the machine.



Gear Grinding Wheels

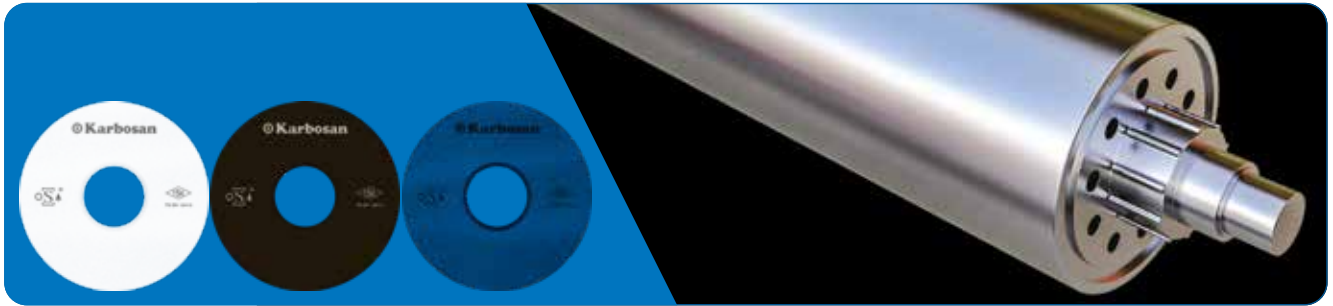
In gear production, Karbosan has two successful types of grinding wheels. Single flank and worm type. Specially designed abrasive grains act as aggressive stock removing agents in gear profiles and leave a smooth surface in gear flanks. We can produce and alter the specifications according to gear modules and expectations.



Bearing Grinding Wheels

Used for grinding of bearings. This includes generally every profile and every surface of bearings. Using special alumina abrasives and after years of experience, stock removal and surface finish are enhanced upon customer feedbacks and expectations.

Roll Grinding



Grinding Wheels with New Generation Abrasive Grains

Karbosan new generation abrasive grains are specially produced for controlled friability which provides self-sharpening features. These wheels are selected mainly for high stock removal on hard-to-grind parts. Our wheels are customised in accordance with the machine specifications used in the industry.



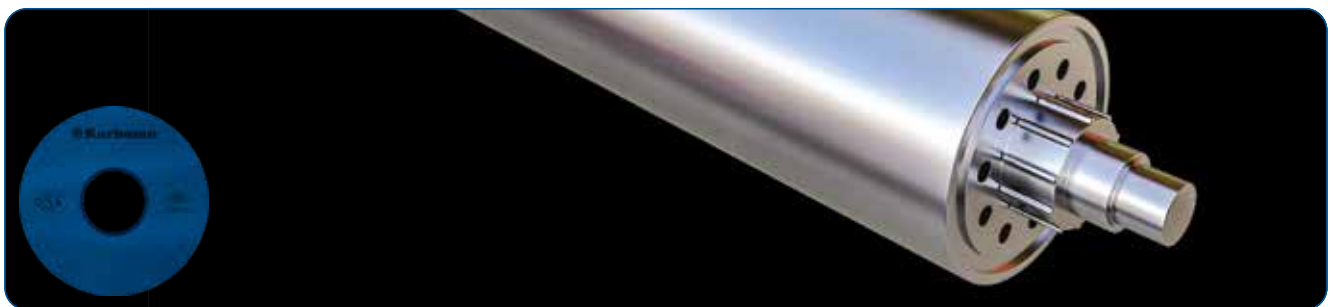
Resin Bonded Roll Grinding Wheels

With resin bonded structure, Roll Grinding wheels play a key role in sheet metal fabrication industry. Specially designed abrasive grains exhibit high stock removal on this hard-to-grind parts as long as providing the desired surface finish. In addition, resin bonding provides a consistent stock removal capacity without causing wheel clogging and chatter marks on the roll workpiece. Our resin bonded roll grinding wheels are mainly suitable for Indefinite Chill Cast Iron rolls and High Speed Steel Rolls used in hot roll strips.



Vitrified Roll Grinding Wheels

With vitrified bonded structure, Roll Grinding wheels play a key role in sheet metal fabrication industry and specially on aluminum and paper rolling. Vitrified bonds and the controlled porosity in these wheels, provide better surface finish and avoid burn marks on the workpiece. It also maintains the part dimension with controlled friability of the abrasive grains that are engineered for this purpose. Vitrified Roll Grinding Wheels are mainly preferred on Cr3, Cr5 and Cr12 Drop Forged Steel Rolls and High Speed Steel Rolls in both cold and hot roll strip facilities where the surface finish is the primary target rather than high stock removal capacities.



Grinding Wheels for Roll Bearings

These special wheels are selected for grinding of roll bearing parts, usually just after the production of the rolls. Wheels are customised according to machine types and customer expectations.

Railway & Transportation



350x4.0x25.4 ZA Railway Cut-Off Disc

It is suitable for all rail cutting operations. Special zirconium oxide and product with aluminum oxide abrasive grains and hard structure, no runout, no vibration, high number of cuts and fast cutting has the advantage.



100x110xM20 Railway Grinding Wheel

It provides comfortable grinding with its superior performance in rectification of rails. Special zirconium oxide and Aluminum oxide has abrasive grains and a hard structure providing aggressive etching.



152x75x57 Railway Grinding Wheel

It provides comfortable grinding with its superior performance in rectification of rails. Special zirconium oxide and Aluminum oxide has abrasive grains and a hard structure providing aggressive etching.



125x65x27 Railway Grinding Wheel by Hand

It provides comfortable grinding with its superior performance in rectification of rails. Special Zirconium Oxide and Aluminum Oxide has abrasive grains and a hard structure providing aggressive etching.

Plastic & Rubber & Leather



Grinding Wheels

Suitable for by-hand sharpening operations of various materials. Only used on bench grinding machines in facilities and almost every type of material shall be used for sharpening or deburring purposes. Offers a maximum cutting speed of 35 m/sn.



Grinding Wheels for Rubber Rolls

These special wheels are used to grind Rubber and Polyethylene Rolls in various industries. Karbosan grinding wheels offer high stock removal capabilities however exhibits heat generation on the rolls.



AYXR11 Narrow and Wide Belts

Close coated Aluminium Oxide abrasives with Y Polyester cloth backing AYXR11 are suitable for narrow and wide belts; used in sanding plastic, rubber and leather.



ZYYR11 Zirconia Y Polyester Endless Belt

Having Y polyester cloth backing and 100% Zirconia abrasive, high stock removal and long life, ZYYR11 is ideal for sanding shoes with endless belts.





3

Innovation and New Products



Shoproll Cloth AJR12



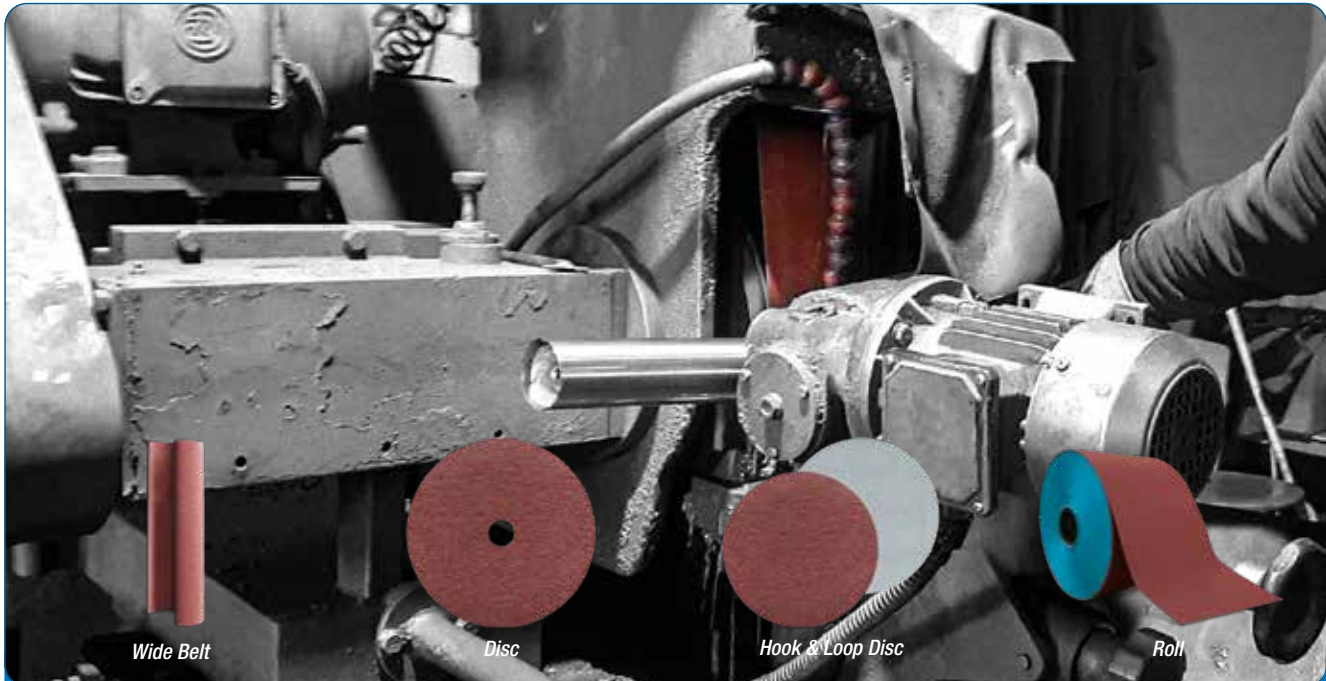
Ideal for wood and metal in shoprolls with hand use, the product has J Cotton Cloth and Aluminum Oxide abrasive grain. It has a flexible structure and is easily tearable by hand.

Flap Wheel Cloth AXFR12



X Semi Flexible Cotton Cloth backing with Aluminum Oxide abrasive is specially designed for flap wheel with spindle and with flange. It has a flexible structure and long life.

New AGYYR24 Product



New AGYYR24 product is ideal for polishing and finishing low alloy steel, stainless steel, high alloy steel and heat resistant steel in wide belts, narrow belts, rolls and hook&loop disc; ideal for centerless grinding. YY polyester cloth backing with Semi-Open coated Compact Aluminum Oxide abrasive. Suitable for wet applications.

Hook&Loop Discs AHR31 and ACR31



From Karbosan, 2 new versions of Hook&Loop Discs for various applications. AHR31 having Polyester Film backing is ideal for automotive, paint, marine and stainless steel industries; ACR31 having C Paper backing is ideal for wood, automotive, paint and marine industries; designed for perfect surfaces.

Cut-Off Discs



Karbosan high performance Rail Cut-Off Discs, cut all rails in different hardness and weights, quickly and without vibration. Because of the high number of cuttings made with a single Disc, the worker avoids waste of time by not changing the disc constantly. The Rail Cut-Off Disc provides a smooth structure on the rail surface. Zirconium and Aluminum Oxide abrasive products are suitable for all kinds of rails.

Saw Sharpening Wheel



Improved performance of grinding applications of strip and circular saws with a renewed formula. In particular, the secretion / balancing problems of the stones have been completely eliminated. The results of applications in the working areas support the increase of demand of completely new products.

New Precision Grinding Wheels



Inorganic bonded grinding wheels and organic bonded grinding wheels are preferred in precision grinding applications. In this product group, Karbosan has achieved significant performance gains by incorporating Aluminum Oxide abrasives produced by the SOL-GEL method in certain proportions in order to be used both as monocrystalline Aluminum Oxide and as Ceramic abrasive. In roller grinding, 100% performance gains were achieved with Ceramic abrasive and raised porosity ratio in grinding of precisely measured pieces produced in the automotive sector such as grinding of hard mold steels and sheet metal slitting blades (1.2379), gears and bearings.



4

Products



- Bonded Abrasives
- Diamond Blades
- Coated Abrasives

Bonded Abrasives



- [Technical Information](#)

- [Technical Table](#)

- [Resin Bonded Products](#)

- [Vitrified Products](#)



Abrasive Grains

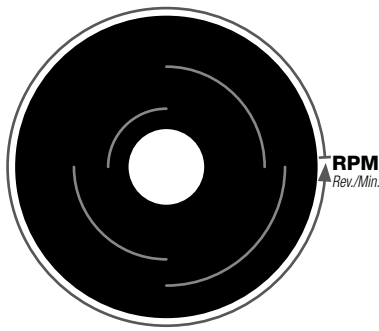
Abrasive Grain Type	Description
Silicon Carbide (C)	Very hard and brittle abrasive for surface grinding of glass or stone materials and grinding and cutting processes of cast iron materials
Aluminum Oxide (A)	Hard and durable abrasive for grinding and cutting of alloyed, non-alloyed steel and stainless steel (Inox) materials
Zirconia (Z)	Hard and very durable abrasive for grinding and cutting processes of alloyed, high-alloyed steel and cast steel materials
Ceramic (Cu)	Hard and very durable, long-lasting and self sharpening abrasive for grinding and cutting processes of high-alloyed steel and hardened steel materials

Revolution and Peripheral Speed Values

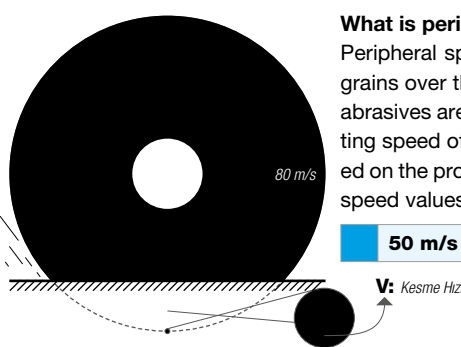
Operating Speed

Maximum peripheral speed and maximum revolution speed of any product used for cutting or grinding process are indicated on the product label. Also, maximum peripheral speed value is defined clearly with a flat and colored stripe located on the label. Maximum operating speeds of the products are determined according to TS EN 12413 standard. Maximum peripheral speed and maximum revolution speed indicated on the label should never be exceeded in order to ensure safe operation of the product. The following graphics define the revolution speed, peripheral speed and definitions of the colored stripes.

Revolution Speed (RPM: Revolutions/Minute)



Peripheral Speed (m/s: Meters/Second)



What is peripheral speed?

Peripheral speed defines the passage speed of the abrasive grains over the workpiece. Its unit is meter / second. Bonded abrasives are generally manufactured to be operated at a cutting speed of 35 to 100 m/s. A flat and colored stripe is located on the product label for peripheral speed values. Peripheral speed values symbolized by these stripes are as follows;

50 m/s	63 m/s	80 m/s	100 m/s
--------	--------	--------	---------

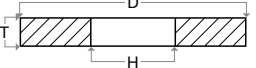
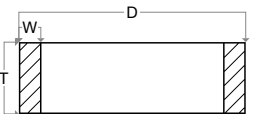
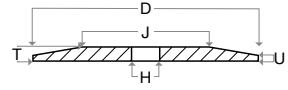
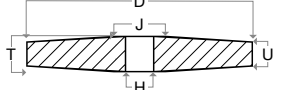
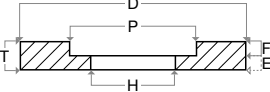
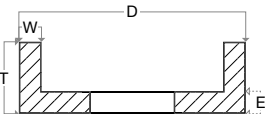
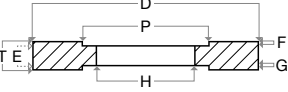
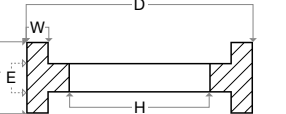
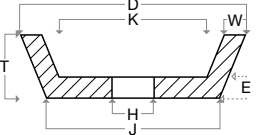
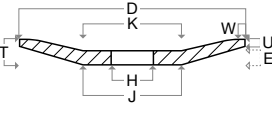
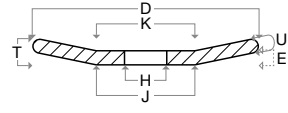
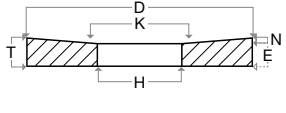
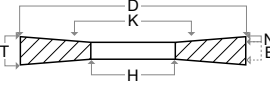
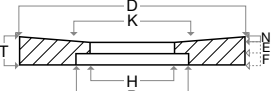
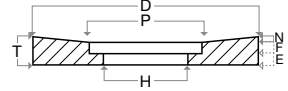
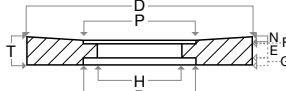
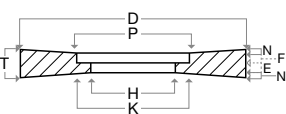
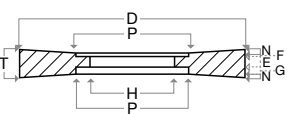
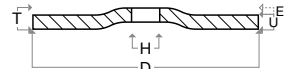
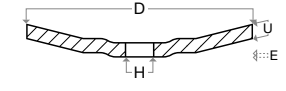
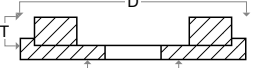
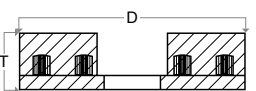
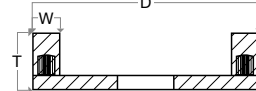
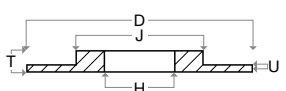
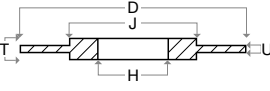
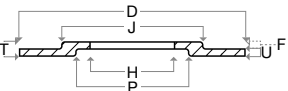
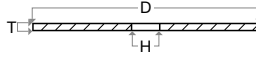
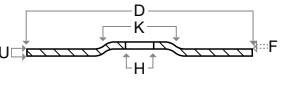
Speed Conversion Chart

The following chart represents the cutting speed and r.p.m relation according to the wheel diameter.

	External Diameter <i>mm</i>	Peripheral Speed <i>m/s</i>										
		16	20	25	32	35	40	45	50	63	80	100
Revolution Speed <i>1/min or RPM</i>	80	3.850	4.800	6.000	7.650	8.400	9.550	10.750	12.000	15.100	19.100	23.900
	100	3.100	3.850	4.800	6.150	6.700	7.650	8.600	9.550	12.100	15.300	19.100
	115	2.700	3.350	4.200	5.350	5.850	6.650	7.500	8.350	10.500	13.300	16.650
	125	2.450	3.100	3.850	4.900	5.350	6.150	6.900	7.650	9.650	12.250	15.300
	150	2.050	2.550	3.200	4.100	4.500	5.100	5.750	6.400	8.050	10.200	12.700
	180	1.700	2.150	2.700	3.400	3.750	4.250	4.800	5.350	6.700	8.500	10.650
	200	1.550	1.950	2.400	3.100	3.350	3.850	4.300	4.800	6.050	7.650	9.550
	230	1.350	1.700	2.100	2.700	2.950	3.350	3.750	4.200	5.250	6.650	8.350
	250	1.250	1.550	1.950	2.450	2.700	3.100	3.450	3.850	4.850	6.150	7.650
	300	1.050	1.300	1.600	2.050	2.250	2.550	2.870	3.200	4.050	5.100	6.400
	350 / 356	875	1.100	1.400	1.750	1.950	2.200	2.450	2.750	3.450	4.400	5.500
	400 / 406	765	960	1.200	1.550	1.700	1.950	2.150	2.400	3.050	3.850	4.800
	450 / 457	680	850	1.100	1.400	1.500	1.700	1.950	2.150	2.700	3.400	4.250
	500 / 508	615	765	960	1.250	1.350	1.550	1.750	1.950	2.450	3.100	3.850
	600 / 610	510	640	800	1.050	1.150	1.300	1.450	1.600	2.050	2.550	3.200
	650 / 660	460	580	720	930	1.010	1.160	1.300	1.450	1.820	2.320	2.900
	750 / 762	410	510	640	820	895	1.050	1.150	1.300	1.650	2.050	2.550
	800 / 813	385	480	600	765	840	960	1.075	1.200	1.550	1.950	2.400
	900 / 914	340	425	535	680	750	850	955	1.100	1.350	1.700	2.150
	1000 / 1015	310	385	480	615	670	765	860	960	1.250	1.550	1.950
	1060 / 1067	295	365	455	585	640	730	820	910	1.150	1.500	1.850

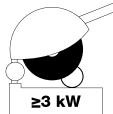
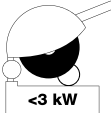
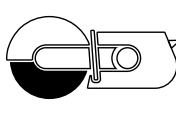
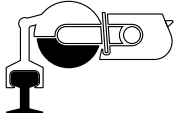
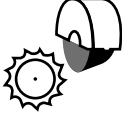
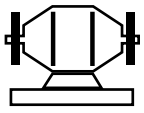
Types

Symbols on the labels or the surfaces of bonded abrasives indicate the form of the product.

Type 1 Straight grinding wheel  $D \times T \times H$	Type 2 Cylinder wheel, cemented or clamped  $D \times T \times W$	Type 3 Wheel tapered on one side  $D/J \times T \times H$	Type 4 Wheel tapered on both sides  $D \times T \times H$
Type 5 Wheel, recessed on one side  $D \times T \times H - P \times F$	Type 6 Straight cup wheel  $D \times T \times H - W \times E$	Type 7 Wheel recessed on both sides  $D \times T \times H - P \times F/G$	Type 9 Double cup wheel  $D \times T \times H - W \times E$
Type 11 Taper cup wheel  $D/J \times T \times H - W \times E$	Type 12 Tabak Taşlama Taşı  $D/J \times T \times H$	Type 13 Saucer  $D/J \times T/U \times H - K$	Type 20 Wheel relieved on one side  $D/K \times T/N \times H$
Type 21 Wheel relieved on both sides  $D/K \times T/N \times H$	Type 22 Wheel relieved on one side, recessed on the other side  $D/K \times T/N \times H - P \times F$	Type 23 Wheel relieved and recessed on one side  $D \times T/N \times H - P \times F$	Type 24 Wheel relieved and recessed on one side, recessed on the other side  $D \times T/N \times H - P \times F/G$
Type 25 Wheel relieved and recessed on one side, relieved on the other side  $D/K \times T/N \times H - P \times F$	Type 26 Wheel relieved and recessed on both sides  $D \times T/N \times H - P \times F/G$	Type 27 Depressed centre wheel for grinding or grind- ing / cutting including semiflexible wheels  $D \times U \times H$	Type 28 Depressed centre grinding wheel Cone-shaped  $D \times U \times H$
Type 35 Disc wheel, cemented or clamped  $D \times T \times H$	Type 36 Inserted nut disc  $D \times T \times H$	Type 37 Inserted nut cylinder  $D \times T \times W$	Type 38 Single hubbed wheel  $D/J \times T/U \times H$
Type 39 Double hubbed wheel  $D/J \times T/U \times H$	Type 40 Wheel with single hub and a single recess on the other side  $D/J \times T/U \times H - P \times F$	Type 41 Flat cutting-off wheel  $D \times T \times H$	Type 42 Depressed centre cutting-off wheel  $D \times U \times H$

Pictogram and Symbols

Machine Pictograms

	Hand-held Angle Cutting Machine		Hand-held Angle Grinding Machine		Stationary Cutting Machine ≥3 kW
	Stationary Cutting Machine <3 kW		Petrol Saw		Rail Cutting Machine
	Tool Sharpening Machine		Bench Grinding Machine		

Safety Pictograms and Information Symbols

	Read the Operating Instructions		Wear Eye Protection		Wear Ear Protection		Wear Protective Gloves
	Wear Respiratory		Never Use A Damaged Bonded Abrasive!		Do Not Perform Grinding!		Only permitted for grinding at an angle greater than 10°
	Not Suitable For Portable Grinding Machine!		Only suitable for totally-enclosed machines		Suitable for Wet Use		Not Suitable for Wet Use!
	The Product Does Not Contain Iron (Fe) and Sulfur (S).		Suitable for Cutting and Grinding Operations		Correct Assembly Method		Incorrect Assembly Method
	Standard Compliance Marking TS EN 12413		OSA Membership Logo				



Safety Recommendations for Use

Inadequate use of bonded abrasives is very dangerous. Attention should be paid against the risks which may occur during the use of bonded abrasive and the necessary measures that need to be taken should be examined. Only the bonded abrasives conforming to the highest safety standard EN 12413 and bearing that mark should be used. They should never be used with a machine which does not function properly or which has defective-missing parts. Employers should carry out risk assessment on all individually operated abrasive systems and they should ensure that the employees have received the suitable training in order to fulfill their tasks.

Precautions Against Possible Risks

Physical Contact with Abrasive Wheels

- The utmost care and attention should always be taken when using abrasive wheels. Long hair should be tied from behind, loose garments, ties and jewelry should not be worn.
- To prevent any unintended start-off of the machine prior to installation or replacement of the abrasive wheel, the machine should be disconnected from the power supply or plugged off.
- Never dismount the guards (protective equipment) of the machines. Ensure that machine guards are in good condition and properly adjusted before operating the machine.
- If the workpiece or the machine is operated manually, always wear gloves and suitable clothes. Minimum protection level for the gloves should conform to category 2 in EN 388 standard.

Injuries Which can be Caused by Broken Abrasive Wheels

- Always handle abrasive wheels with utmost care and attention since they are easily damaged. Examine all abrasive wheels for damages or defects before use.
- Store abrasive products in dry and frost-free conditions avoiding wide variations in temperature. Ensure they are properly protected to prevent damage and distortion.
- Abrasive wheels which have reached the date of expiry should never be used. Recommended shelf life for abrasive wheels can be specified as follows according to the binding material they contain; 3 years for organic and shellac bonded products, 5 years for rubber bonded products, 10 years for inorganic bonded products.
- The abrasive wheel or its packaging should be checked for any warning information or other safety information.
- Ensure that the right abrasive wheel is selected. Never use a product without any information about its application area.
- Follow the instructions provided by the abrasive wheel or machine supplier when mounting bonded abrasives.
- Never exert excessive force when mounting any products on the equipment. The mounting equipment should not be modified to fit any unsuitable product.
- Never exceed the maximum operating speed specified on the abrasive wheel.
- Check that the correct mounting equipments are used and that they are undistorted, clean and free from rust.
- Use mounting blotters supplied by the supplier.
- After mounting an abrasive wheel on the machine, conduct a trial run at its own operating speed with the protective equipment of the machine in place for at least 30 seconds before use.
- Never dismount the guards (protective equipment) of the machines. Ensure that the machine guards are in good condition and properly adjusted.
- Ensure that the workpiece is supported safely and properly. Ensure that the clamps are adjusted properly and in a safe position.
- Never start the machine while the abrasive wheel installed on the machine is in contact with the workpiece.
- Avoid exerting excessive load or sudden pressure on the abrasive wheel and do not allow overheating

- Sections of the abrasive wheels not designed for grinding should not be used.
- The surface of the wheel should be reprocessed with dressing tools at suitable frequency to ensure efficient operation of the abrasive wheel and to prevent clogging or irregular wearing phenomena.
- Abrasive wheel should be allowed to stop by itself, never attempt to stop it by exerting any pressure on the surface.

Noise

- Ear protection is recommended to conform to EN 352 standards for all applications (manually fixed workpiece or machine) regardless of the sound level.
- Ensure that the right abrasive wheel is selected for the operation. An unsuitable abrasive wheel can produce excessive noise.

Vibration

- Processes where the workpiece or the machine is hand-held can cause injuries due to the vibrations.
- Work should be interrupted if tingling, sense of pinpricking or numbness is experienced after continuously using the abrasive product for more than 10 minutes.
- The effects of vibration are felt more in cold conditions so keep your hands warm and regularly exercise hands and fingers. Use modern equipment with low vibration levels.
- Maintain all equipment in good condition and stop the machine and have it checked if excessive vibration occurs.
- Use good quality abrasive wheels and keep them in good condition during their lifespan.
- Maintain mounting flanges in good condition and replace such equipment with new ones if they get worn-torn or distorted.
- Do not grip the workpiece or machine too tightly and do not exert excessive pressure on the abrasive wheel.
- Avoid continuous operation of abrasive wheels.
- Use the correct product. An unsuitable abrasive wheel can produce excessive vibration.
- Don't ignore the physical problems occurred due to vibration - seek medical advice.

Disposal of Abrasive Wheels

- Used or defective abrasives should be disposed of in accordance with local or national regulations.
- Further information can be obtained from Product Information sheets provided by the supplier.
- Be aware that the abrasive product may be contaminated with material from the workpiece or the work process after use.
- Abrasive wheels which are to be discarded should be damaged before their disposal so that their reuse is prevented.

Application Type	Product Type	Application Material	Specification					Product Form		Application Method					
			Abrasive Grain Type	Grit Size	Hardness	Binder Type	Peripheral Speed	Flat	Depressed Center	Hand Grinder	Fixed Cutting Bench (<3kW)	Fixed Cutting Bench (≥3kW)	Portable Gas Operated Cutter	Fixed Power Rail Cutter	
Cut-Off Discs	Thin Line Cut-Off	Metal	A	54	R	BF	80	●		●					
			A	46	R	BF	80	●		●					
			A	36	R	BF	80	●		●					
		Stainless Steel (Inox)	AA	60	R	BF	80	●	●	●					
			AA	54	R	BF	80	●		●					
			AA	46	R	BF	80	●		●					
			AA	36	R	BF	80	●		●					
			Aluminium	A	36	Q	BF	80		●	●				
				A	54	Q	BF	80		●	●				
				A	46	Q	BF	80		●	●				
	Plus Thin Line Cut-Off	Metal / Stainless Steel (Inox)	ZA	46	R	BF	80	●		●					
			CuA	542	T	BF	80	●		●					
		Cut & Cut	CuA	462	T	BF	80	●		●					
			CuA	362	T	BF	80	●		●					
	Cut-Off	Metal	A	36	T	BF	80	●	●	●					
		Stainless Steel (Inox)	AA	24	S	BF	80	●	●	●					
		Aluminium	A	36	Q	BF	80		●	●					
		Cast Iron	C	30	S	BF	80	●	●	●					
		Marble	C	30	R	BF	80	●	●	●					
	Plus Cut-Off	Metal	A	30	T	BF	80	●	●	●					
		Cast Iron	ZA	30	TX	BF	80	●	●	●					
			AC	36	SX	BF	80	●	●	●					
	Fixed Bench Cut-Off	Metal	A	30/36	P	BF	80	●			●	●			
			A	36/46	P	BF	80	●			●	●			
			A	30/36	S	BF	80	●				●			
		Cast Iron	C	24	S	BF	80	●			●	●			
	Gas Operated Cut-Off	Cast Iron	C	24	S	BF	100	●					●		
	Rail Cut-Off	Metal	A	36	R	BF	100	●						●	
	Plus Rail Cut-Off	Rail	ZA	30	R	BF	100	●						●	
	Cut-Off / Grinding Discs	Cut-Off / Grinding	Metal	A	24/36	ST	BF	80		●	●				
Grinding Discs	Grinding	Metal	A	24	RS	BF	80		●	●					
		Stainless Steel (Inox)	AA	24	P	BF	80		●	●					
		Cast Iron	C	24	S	BF	80		●	●					
		Aluminium	A	24	N	BF	80		●	●					
	Plus Grinding	Metal	A	30	Q	BF	80		●	●					
		Cast Iron	ZA	24	R	BF	80		●	●					
Grinding Wheels	Grinding Wheels	Flared Cup Wheel	SC	16	L5	BB			●						
		Flat Cup Wheel	SC	16	L5	BB			●						
		Marble and Mosaic Cup Wheel	SC	16	L5	BB			●						
		NK Recess Grinding Wheel	NK	80	Q4	BA			●						

Dimension (mm)										
100	115	125	150	180	230	300	350	400	500	
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										

Resin Bonded Products



- [Cut-Off Discs](#)
- [Grinding Discs](#)
- [Grinding Wheels](#)



Cut-Off Discs





Label Information

Brand

Specification

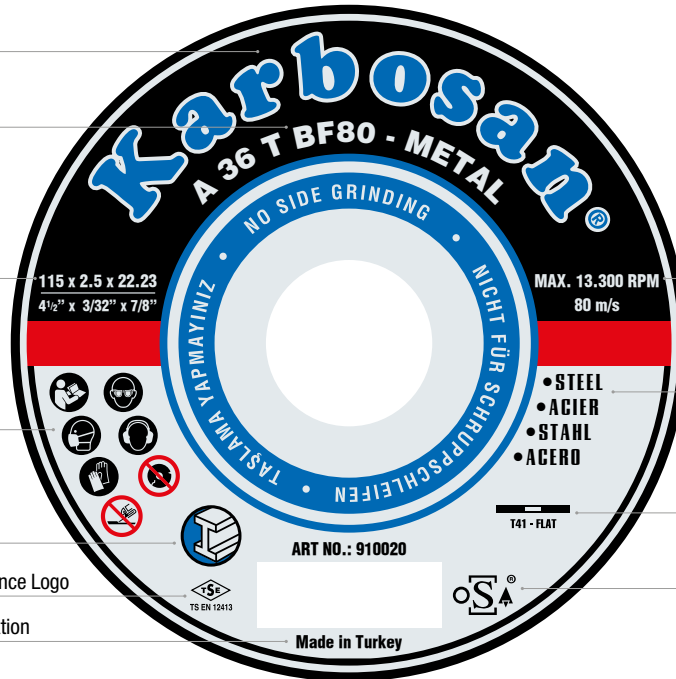
Dimension

Safety and Personal Protective Equipment Pictograms

Material Pictogram

Turkish Standards Institute Compliance Logo

Article, Barcode, Manufacture Location



Maximum Revolution and Maximum Operation Speed Information

Application Area

Type Pictogram

OSA Membership Logo

Specifications Definition

A

36

T

BF

80

Abrasive Type	Abrasive Grain Size	Grade Hardness	Bond Type	Peripheral Speed (m/s)
A Aluminum Oxide	Coarse 8, 10, 12, 14, 16, 20, 24	Hard P, Q, R, S,	BF Synthetic Resine (Fiber Reinforced)	Figure indicating the revolution speed of the product in meter / second.
AA Special Aluminum Oxide	Medium 30, 36, 46, 54, 60	Very Hard T, U, V, W,		
AC Special Aluminum Oxide & Silicon Carbide				
Cua Special Aluminum Oxide				
C Silicon Carbide				
ZA Special Zirconium Oxide & Aluminum Oxide				

Material Pictograms and Colors



Metal



Stainless Steel (Inox)



Cast Iron



Aluminium



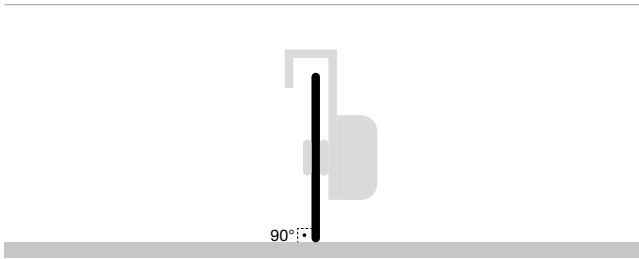
Marble



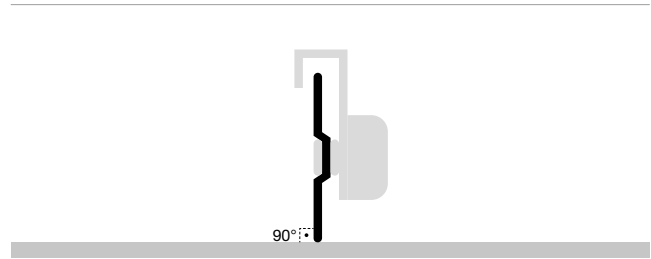
Rail

Types

T41 - Flat

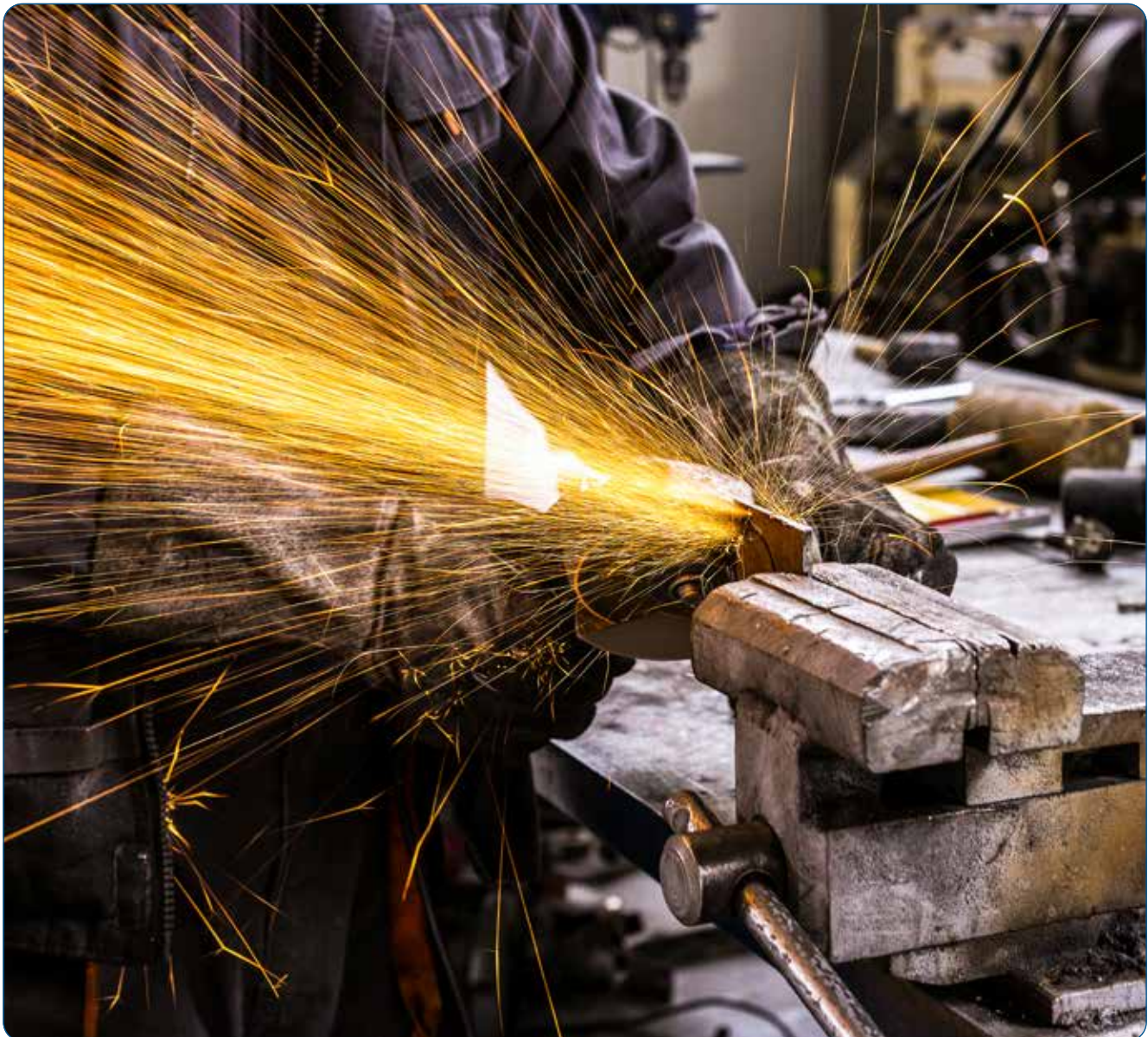


T42 - Depressed Center



Usage Recommendations and Information

- Ensure that the product you will use is not incomplete or damaged.
- Never perform cutting tasks with a grinding disc.
- Always follow the general usage warnings and safety instructions.
- You can watch tutorial videos for safe usage at www.karbosan.com.
- Expiry date of the product is indicated on the bore and period abbreviations after the year marks are listed as **V01-V12** (January-December).
- Never use expired products.



Thin Line Cut-Off Discs



Metal

Thin Line Cut-Off Discs

Abrasive : Aluminum Oxide

Features : Suitable for cutting all structural steels (ST-37, 42, 52), thin metal sheets, pipes and profiles. Featuring aluminum oxide abrasive grains and a hard structure, the product offers the advantage of minimum material loss in precision cutting processes of all thin walled structural steels.

Version

Standard



Plus



Application Method

Hand Grinder



Fixed Cutting Bench (<3 kW)



Fixed Cutting Bench (≥3 kW)



Portable Gas Operated Cutter



Fixed Power Rail Cutter



Application Area

Welding Burrs



Weld Seam



All Structural



Low Alloy Steels



High Alloy Steels



Hardened Steels (>45 HRC)



Mild Steels (<45 HRC)



Stainless Steel (Inox)



Cast Iron With Spherical Graphite (Nodular)



Gray Cast Iron (Pig)



Common Steel Cast (Containing Mn and Stainless Properties)



Sand Finished Surfaces



Aluminium



Copper Brass, Bronze



Marble



Artificial Rocks



Natural Rocks



Asphalt



Cement Products and Curbstones



Steel Rail Profiles 60 kg/m



Steel Rail Profiles 54 kg/m



Steel Rail Profiles 49 kg/m



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	A 54 R BF80	100x1.0x16	969970	80	25	300
		115x1.0x22.23	910440		25	300
		115x1.2x22.23	911670		25	300
		125x1.0x22.23	910460		25	300
		125x1.2x22.23	912580		25	300
	A 46 R BF80	115x1.6x22.23	910450	80	25	300
		125x1.6x22.23	910470		25	300
		150x1.6x22.23	912680		25	150
		180x1.6x22.23	912338		25	150
	A 36 R BF80	180x1.9x22.23	910480	80	25	150
		230x1.9x22.23	910490		25	100



Thin Line Cut-Off Discs

Version	
Standard	

Plus	
------	---

Application Method

Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	

Application Area

Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Modular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Stainless Steel (Inox)

Thin Line Cut-Off Discs

Abrasive : Special Aluminum Oxide

Features : Suitable for cutting stainless steel (Inox), 304 and 316 L grade thin metal sheets, 304 grade stainless steel pipe, flat bars. Featuring special aluminum oxide grains and a hard structure, the product offers the advantage of minimum material loss in precision cutting processes of all thin walled structural steels. The product does not contain iron (Fe) and sulfur (S).



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	AA 60 R BF80	115x0.8x22.23	912490	80	25	300
		125x0.8x22.23	912500		25	300
		100x1.0x16	912460		25	300
	AA 54 R BF80	115x1.0x22.23	910380	80	25	300
		115x1.2x22.23	911680		25	300
		125x1.0x22.23	910400		25	300
	AA 46 R BF80	125x1.2x22.23	912590	80	25	300
		115x1.6x22.23	910390		25	300
		125x1.6x22.23	910410		25	300
	AA 36 R BF80	150x1.6x22.23	912900	80	25	150
		180x1.6x22.22	910421		25	150
		180x1.9x22.23	910420		25	150
T42	AA 60 R BF80	230x1.9x22.23	910430	80	25	100
		115x0.8x22.23	912510		25	300
	AA 36 R BF80	125x0.8x22.23	912550	80	25	300
		180x1.6x22.23	969960		25	150



Thin Line Cut-Off Discs



Aluminium

Thin Line Cut-Off Discs

Abrasive : Aluminum Oxide

Features : Suitable for cutting operations on aluminium materials. Featuring aluminum oxide abrasive grains and a hard structure, the product is specially manufactured for cutting aluminium materials without clogging. Offers the advantage of convenient and fast cutting of aluminium materials.

Version

Standard



Plus



Application Method

Hand Grinder



Fixed Cutting Bench (<3 kW)



Fixed Cutting Bench (≥3 kW)



Portable Gas Operated Cutter



Fixed Power Rail Cutter



Application Area

Welding Burrs



Weld Seam



All Structural



Low Alloy Steels



High Alloy Steels



Hardened Steels (>45 HRC)



Mild Steels (<45 HRC)



Stainless Steel (Inox)



Cast Iron With Spherical Graphite (Nodular)



Gray Cast Iron (Pig)



Common Steel Cast (Containing Mn and Stainless Properties)



Sand Finished Surfaces



Aluminium



Copper Brass, Bronze



Marble



Artificial Rocks



Natural Rocks



Asphalt



Cement Products and Curbstones



Steel Rail Profiles 60 kg/m



Steel Rail Profiles 54 kg/m



Steel Rail Profiles 49 kg/m



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	A 54 Q BF80	115x1.0x22.23	911030	80	25	200
		125x1.0x22.23	911060		25	200
	A 46 Q BF80	115x1.6x22.23	911040	80	25	200
		125x1.6x22.23	911070		25	200
	A 36 Q BF80	180x1.9x22.23	911090	80	25	150
		230x1.9x22.23	911110		25	100





Plus Thin Line Cut-Off Discs



Zirconium Plus Thin Line Cut-Off Discs

Abrasive : Special Zirconium Oxide & Aluminum Oxide

Features : Suitable for cutting stainless steel (Inox), 304 and 316 L grade thin metal sheets, 304 grade stainless steel pipe and flat bars. Features special zirconium oxide and aluminum oxide abrasive grains and a hard structure. The product features a longer lifespan, advantage of faster cutting compared to its counterparts and has a specification, which minimizes the heat effect on stainless materials that have sensitive nature against heat. The product does not contain iron (Fe) and sulfur (S).

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	ZA 46 R BF80	115x1.0x22.23	908716	80	25	200
		115x1.6x22.23	908717		25	200
		125x1.0x22.23	908718		25	200
		125x1.6x22.23	908719		25	200



Version	
Standard	
Plus	
Application Method	
Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	
Application Area	
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Plus Thin Line Cut-Off Discs

Version	
Standard	
Plus	
Application Method	
Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	
Application Area	
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Modular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Cut & Cut

Plus Thin Line Cut-Off Discs

Abrasive : Special Aluminum Oxide

Features : Suitable for cutting stainless steel (Inox), 304 and 316 L grade thin metal sheets, 304 grade stainless steel pipe and flat bars. Features special aluminum oxide abrasive grains and a hard structure. Thank to its the speacial aluminum oxide abrasive grains, the product, features the advantage of faster cutting and minimizes the influence of heat on stainless materials, which demonstrate heat-sensitive behavior. The product does not contain iron (Fe) and sulfur (S).



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	CuA 542 T BF80	115x1.0x22.23	910500	80	25	300
		125x1.0x22.23	910520		25	300
	CuA 462 T BF80	115x1.6x22.23	910510	80	25	300
		125x1.6x22.23	910530		25	300
	CuA 362 T BF80	180x1.9x22.23	910820	80	25	150
		230x1.9x22.23	910830		25	100



Cut-Off Discs



Metal Cut-Off Discs

Abrasive : Aluminum Oxide

Features : Suitable for welded production, weld seam splitting processes, ferrous metals, non-alloyed or low alloy steels, any kind of reinforcement bars, box profiles, solid iron, SAE 1040-1050 flat steels, steel construction. Featuring aluminum oxide abrasive grains and a hard structure, the product offers long lifespan and advantage of fast cutting.

Version

Standard



Plus



Application Method

Hand Grinder



Fixed Cutting Bench (<3 kW)



Fixed Cutting Bench (≥3 kW)



Portable Gas Operated Cutter



Fixed Power Rail Cutter



Application Area

Welding Burrs



Weld Seam



All Structural



Low Alloy Steels



High Alloy Steels



Hardened Steels (>45 HRC)



Mild Steels (<45 HRC)



Stainless Steel (Inox)



Cast Iron With Spherical Graphite (Nodular)



Gray Cast Iron (Pig)



Common Steel Cast (Containing Mn and Stainless Properties)



Sand Finished Surfaces



Aluminium



Copper Brass, Bronze



Marble



Artificial Rocks



Natural Rocks



Asphalt



Cement Products and Curbstones



Steel Rail Profiles 60 kg/m



Steel Rail Profiles 54 kg/m



Steel Rail Profiles 49 kg/m



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	A 36 T BF80	100x 2.5 x 16	910010	80	25	200
		100x 3.0 x 16	912850		25	200
		115x 2.5 x 22.23	910020		25	200
		115x 3.0 x 22.23	910910		25	200
		125x 2.5 x 22.23	910030		25	200
		125x 3.0 x 22.23	910920		25	200
		150x 2.5 x 22.23	912780		25	150
		150x 3.0 x 22.23	911180		25	150
		180x 2.5 x 22.23	910930		25	150
		180x 3.0 x 22.23	910040		25	150
T42	A 36 T BF80	230x 2.5 x 22.23	910940	80	25	100
		230x 3.0 x 22.23	910050		25	100
		100x 2.5 x 16	910060		25	200
		100x 3.0 x 22.23	912840		25	200
		115x 2.5 x 22.23	910070		25	200
		115x 3.0 x 22.23	910950		25	200
		125x 2.5 x 22.23	910080		25	200
		125x 3.0 x 22.23	910960		25	200
		150x 3.0 x 22.23	912600		25	150
		180x 2.5 x 22.23	910970		25	150
		180x 3.0 x 22.23	910090		25	150
		230x 2.5 x 22.23	910980		25	100
		230x 3.0 x 22.23	910100		25	100



Cut-Off Discs

Version	
Standard	

Plus	
------	---

Application Method

Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	

Application Area

Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Stainless Steel (Inox)

Cut-Off Discs

Abrasive : Special Aluminum Oxide

Features : Suitable for cutting stainless steel (Inox), 304 and 316 L grade thin metal sheets, 304 grade stainless steel pipe, flat bars. Featuring special aluminum oxide grains and a hard structure, the product minimizes the influence of heat on stainless materials, which demonstrate heat-sensitive behavior. The product does not contain iron (Fe) and sulfur (S).



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	AA 24 S BF80	100x2.5x16	911010	80	25	200
		115x2.5x22.23	910190		25	200
		125x2.5x22.23	910200		25	200
		180x3.0x22.23	910210		25	150
		230x3.0x22.23	910220		25	100
T42	AA 24 S BF80	100x2.5x16	911020	80	25	200
		115x2.5x22.23	910230		25	200
		125x2.5x22.23	910240		25	200
		180x3.0x22.23	910250		25	150
		230x3.0x22.23	910260		25	100



Cut-Off Discs



Aluminium Cut-Off Discs

- Abrasive** : Aluminum Oxide
- Features** : Suitable for cutting operations on aluminium materials. Featuring aluminum oxide abrasive grains and a hard structure, the product is specially manufactured for cutting aluminium materials without clogging. Offers the advantage of convenient and fast cutting of aluminium materials.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
 T42	A 36 Q BF80	115x 3.0 x 22.23	911050	80	25	200
		125x 3.0 x 22.23	911080		25	200
		180x 3.0 x 22.23	911100		25	150
		230x 3.0 x 22.23	911120		25	100



Version	
Standard	
Plus	
Application Method	
Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	
Application Area	
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Cut-Off Discs

Version	
Standard	
Plus	
Application Method	
Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	
Application Area	
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Modular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Cast Iron Cut-Off Discs

Abrasive : Silicon Carbide

Features : Suitable for cutting processes of grey cast iron, sand finished surfaces, copper, brass, bronze, marble, artificial and natural rocks, asphalt, cement products and curbstones. Featuring silicon carbide abrasive grains and a hard structure, the product offers long lifespan for cutting processes of cast and non ferrous materials.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	C 30 S BF80	100x2.5x16	911690	80	25	200
		115x2.5x22.23	910270		25	200
		125x2.5x22.23	910280		25	200
		180x3.0x22.23	910290		25	150
		230x3.0x22.23	910300		25	100
T42	C 30 S BF80	100x2.5x16	911720	80	25	200
		115x2.5x22.23	910310		25	200
		125x2.5x22.23	910320		25	200
		180x3.0x22.23	910330		25	150
		230x3.0x22.23	910340		25	100
		230x3.5x22.23	912910		25	100



Cut-Off Discs



Marble Cut-Off Discs

Abrasive : Silicon Carbide

Features : Suitable for cutting artificial and natural rocks such as marble, brick, concrete, tile, shingle, curbstone. Featuring silicon carbide mixture abrasive grains and a hard structure, the product offers long lifespan and advantage of convenient cutting.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	C 30 R BF80	180x 3.2 x22.23	912720	80	25	150
		230x 3.5 x22.23	912960		25	100
T42	C 30 R BF80	180x 3.2 x22.23	912760	80	25	150
		230x 3.5 x22.23	912750		25	100



Version	
Standard	
Plus	
Application Method	
Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	
Application Area	
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Plus Cut-Off Discs

Version

Standard



Plus



Application Method

Hand Grinder



Fixed Cutting Bench (<3 kW)



Fixed Cutting Bench (≥3 kW)



Portable Gas Operated Cutter



Fixed Power Rail Cutter



Application Area

Welding Burrs



Weld Seam



All Structural



Low Alloy Steels



High Alloy Steels



Hardened Steels (>45 HRC)



Mild Steels (<45 HRC)



Stainless Steel (Inox)



Cast Iron With Spherical Graphite (Nodular)



Gray Cast Iron (Pig)



Common Steel Cast (Containing Mn and Stainless Properties)



Sand Finished Surfaces



Aluminium



Copper Brass, Bronze



Marble



Artificial Rocks



Natural Rocks



Asphalt



Cement Products and Curbstones



Steel Rail Profiles 60 kg/m



Steel Rail Profiles 54 kg/m



Steel Rail Profiles 49 kg/m



Industry Metal Plus Cut-Off Discs

Abrasive : Aluminum Oxide

Features : Suitable for cutting process of nodular cast iron pieces, heat sensitive metals such as Ni-hard, all steels which are low alloy and with a hardness rating higher than 25 HRC. Featuring aluminum oxide abrasive grains and a hard structure, the product offers the advantage of fast and convenient cutting.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	A 30 T BF80	100x 2.5 x 16	910990	80	25	200
		115x 2.5 x 22.23	910110		25	200
		125x 2.5 x 22.23	910120		25	200
		180x 3.0 x 22.23	910130		25	150
		230x 3.0 x 22.23	910140		25	100
T42	A 30 T BF80	100x 2.5 x 16	911000	80	25	200
		115x 2.5 x 22.23	910150		25	200
		125x 2.5 x 22.23	910160		25	200
		180x 3.0 x 22.23	910170		25	150
		230x 3.0 x 22.23	910180		25	100



Plus Cut-Off Discs



ZA Cast Iron Plus Cut-Off Discs

- Abrasive** : Special Zirconium & Aluminum Oxide
- Features** : Suitable for cutting process of all nodular cast iron pieces, certain steel cast pieces, stainless steels and high alloy steels. Features zirconium oxide abrasive grains and a hard structure. Offers the advantage of extended lifespan since it can continue cutting without getting dull and offers higher stock removal in unit time.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	ZA 30 TX BF80	180x 3.0 x 22.23	911610	80	25	150
		230x 3.2 x 22.23	911270		25	100
T42	ZA 30 TX BF80	180x 3.0 x 22.23	911210	80	25	150
		230x 3.2 x 22.23	911220		25	100



Version	
Standard	
Plus	
Application Method	
Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	
Application Area	
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Plus Cut-Off Discs

Version	
Standard	

Plus	
------	---

Application Method

Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	

Application Area

Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

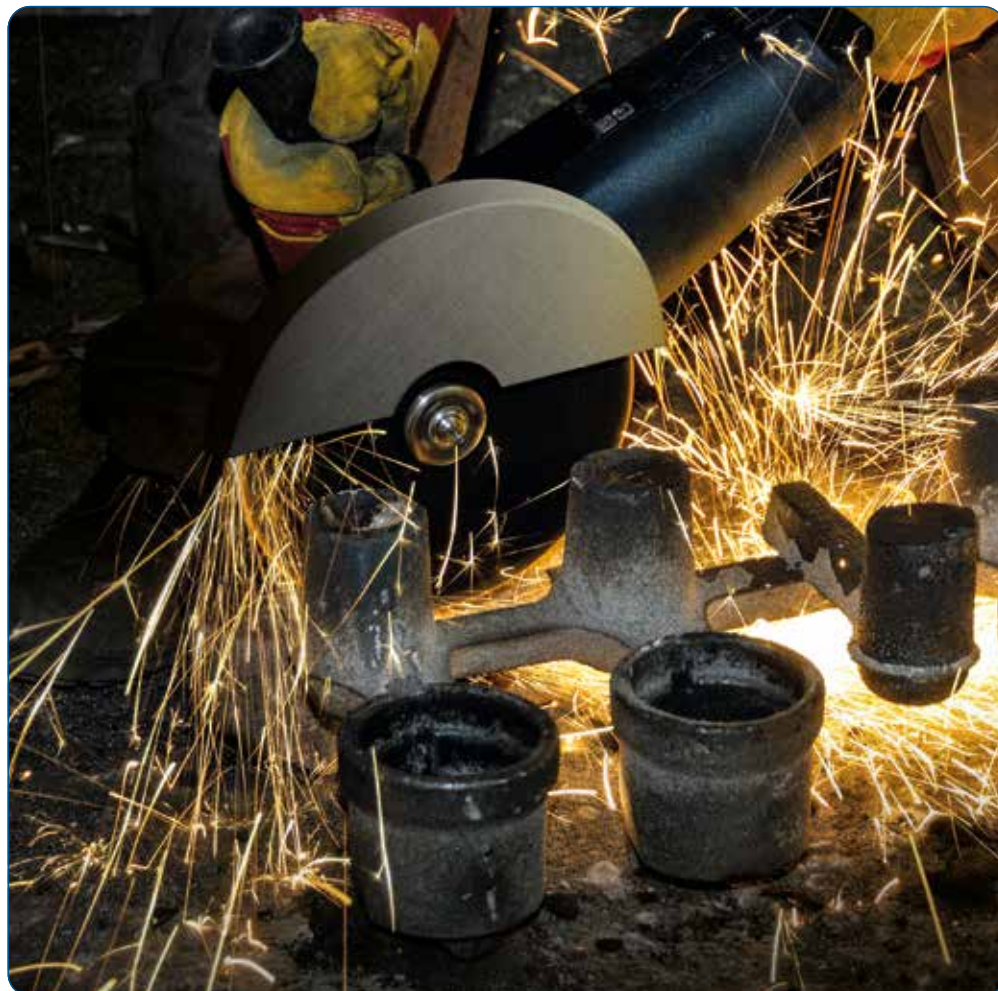
AC Cast Iron Plus Cut-Off Discs

Abrasive : Special Aluminum Oxide & Silicon Carbide

Features : Suitable for cutting process of gray cast iron, nodular casting, high alloy steels, common steel casting and sand finished surfaces. Featuring special aluminum oxide and silicon carbide mixture abrasive grains and a hard structure, the product offers the advantage of fast and convenient cutting.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	AC 36 SX BF80	180 x 3.0 x 22.23	911510	80	25	150
		230 x 3.0 x 22.23	911520		25	100
		230 x 3.5 x 22.23	911530		25	100
		230 x 3.8 x 22.23	912270		25	100
T42	AC 36 SX BF80	180 x 3.0 x 22.23	911560	80	25	150
		230 x 3.0 x 22.23	911570		25	100
		230 x 3.5 x 22.23	911640		25	100
		230 x 3.8 x 22.23	912280		25	100
	AC 36 SX BF80	230 x 4.2 x 22.23	913603	80	25	100



Stationary Machine Cut-Off Discs



Metal

Stationary Machine Cut-Off Discs

Abrasive : Aluminum Oxide

Features : They are suitable for cutting processes of structural steels (St37-42), rods and profiles. Featuring aluminum oxide abrasive grains and a hard structure, the product offers the advantage of fast cutting.

Version

Standard



Plus



Application Method

Hand Grinder



Fixed Cutting Bench (<3 kW)



Fixed Cutting Bench (≥3 kW)



Portable Gas Operated Cutter



Fixed Power Rail Cutter



Application Area

Welding Burrs



Weld Seam



All Structural



Low Alloy Steels



High Alloy Steels



Hardened Steels (>45 HRC)



Mild Steels (<45 HRC)



Stainless Steel (Inox)



Cast Iron With Spherical Graphite (Nodular)



Gray Cast Iron (Pig)



Common Steel Cast (Containing Mn and Stainless Properties)



Sand Finished Surfaces



Aluminium



Copper Brass, Bronze



Marble



Artificial Rocks



Natural Rocks



Asphalt



Cement Products and Curbstones



Steel Rail Profiles 60 kg/m



Steel Rail Profiles 54 kg/m



Steel Rail Profiles 49 kg/m



Products suitable for use with machinery with power rating less than 3 kW.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	A 36/46 P BF80	300x 2.8 x25.4	911440	80	25	50
		350x 2.8 x25.4	954635		10	-
	A 30/36 P BF80	350x 3.0 x25.4	954637	80	10	-
		400x 3.5 x25.4	912290		10	-
		400x 3.5 x32	968038		10	-

Products suitable for use with machinery with power rating equal to or higher than 3 kW.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	A 30/36 P BF80	300x 3.0 x22.23	911710	80	25	50
		300x 3.5 x22.23	911340		25	50
		300x 3.0 x25.4	910840		25	50
		300x 3.5 x25.4	954631		25	50
		300x 3.0 x30	910850		25	50
		300x 3.0 x32	911760		25	50
		300x 3.5 x32	954632		25	50
		350x 3.5 x22.23	911790		10	-
		350x 3.5 x25.4	910860		10	-
		350x 3.5 x30	910870		10	-
		350x 3.5 x32	911800		10	-
		400x 4.0 x25.4	910880		10	-
		400x 4.0 x32	911960		10	-
		400x 4.0 x40	910890		10	-
		500x 5.0 x25.4	912690		5*	-
		500x 5.0 x40	911290		5*	-
		500x 5.0 x50	910900		5*	-
	A 30/36 S BF80	300x 3.5 x25.4	911350		25	50
		300x 3.5 x22.23	911930		25	50
	A 36/46 P BF80**	300x 3.5 x25.4	911460	80	25	50
		350x 3.5 x25.4	911470		10	-
		400x 4.0 x25.4	911480		10	-

*The product is shrink-packed.

**Wheels are internal reinforced.

Stationary Machine Cut-Off Discs

Version	
Standard	

Plus	
------	---

Application Method

Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	

Application Area

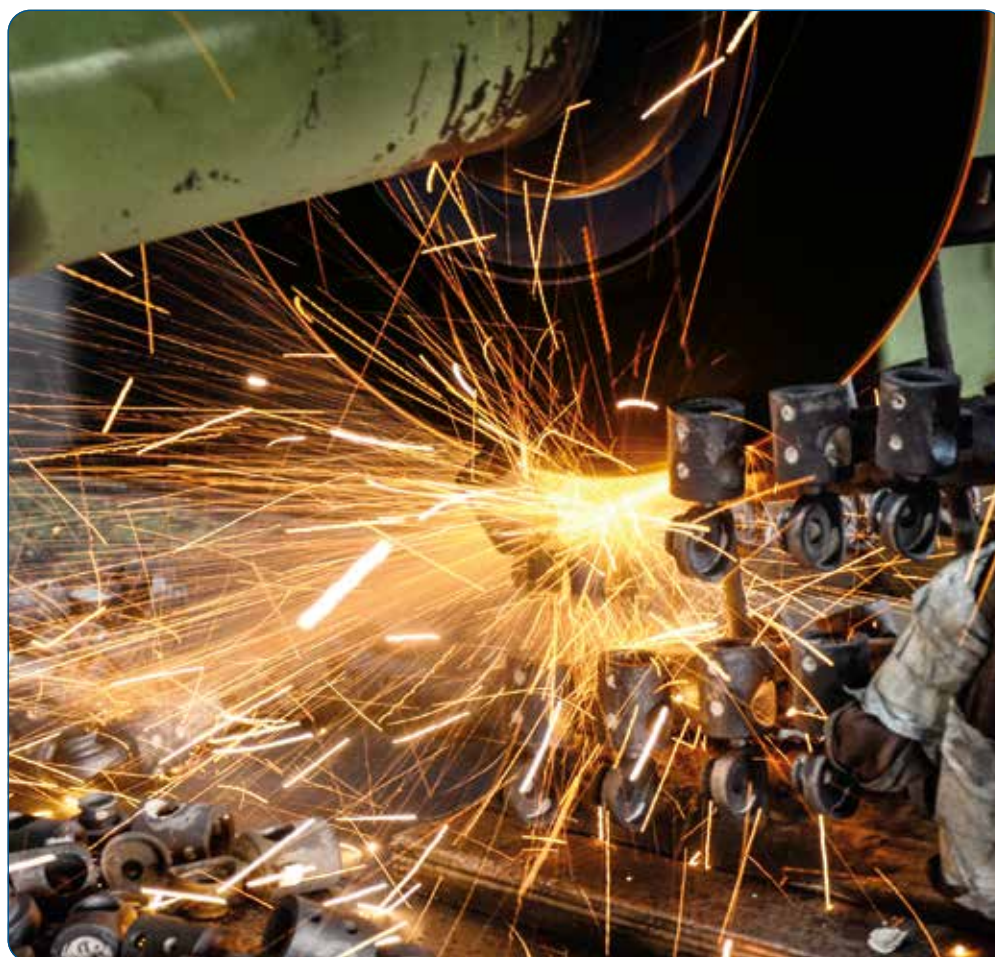
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Cast Iron Stationary Machine Cut-Off Discs

- Abrasive** : Silicon Carbide
- Features** : Suitable for cutting process of spherical graphite cast iron (nodular casting), grey cast iron, aluminum, copper, brass, bronze etc. non ferrous metals. Featuring silicon carbide abrasive grains and a hard structure, the product offers long lifespan for cutting processes of cast and nonferrous materials.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	C 24 S BF80	300x 3.0 x25.4	911900	80	25	-
		300x 3.0 x30	911910		25	-
		300x 3.5 x20	911390		25	-
		300x 3.5 x22.23	911400		25	-
		300x 3.5 x25.4	911410		25	-
		300x 3.5 x32	911780		25	-
		350x 3.5 x25.4	912740		10	-
		350x 3.5 x30	911920		10	-
		350x 3.5 x32	912000		10	-
		400x 4.0 x40	911740		10	-



Petrol Saw Cut-Off Discs



Cast Iron Petrol Saw Cut-Off Discs

Abrasive : Silicon Carbide

Features : Featuring silicon carbide abrasive grains and a hard structure, the product offers long lifespan for cutting processes of asphalt, cement and curbstones.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	C 24 S BF100	350x 4.0 x20	911420	100	10	-
		350x 4.0 x25.4	911630		10	-



Version	
Standard	
Plus	
Application Method	
Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	
Application Area	
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Rail Cut-Off Discs

Version	
Standard	

Plus	
------	---

Application Method

Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	

Application Area

Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Modular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

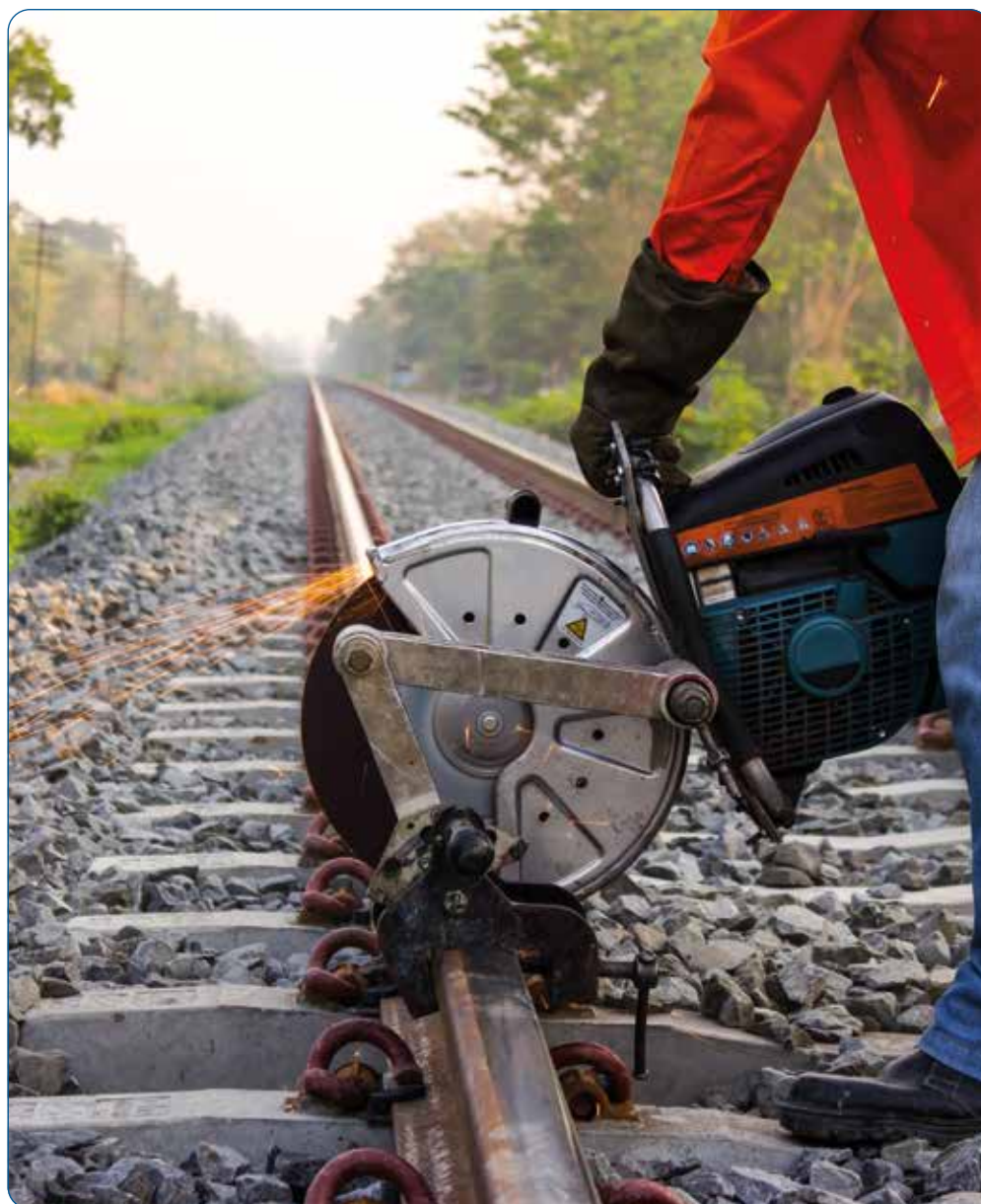
Metal Rail Cut-Off Discs

Abrasive : Aluminum Oxide

Features : Suitable for all rail cutting processes. Featuring aluminum oxide abrasive grains and a hard structure, the product offers the advantage of cutting without run-out and vibration.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
	A 36 R BF100	350x 4.0 x20	911360	100	10	-
		350x 4.0 x22.23	911370		10	-
		350x 4.0 x25.4	911380		10	-



Plus Rail Cut-Off Discs



Zirconia Plus Rail Cut-Off Discs

- Abrasive** : Special Zirconium & Aluminum Oxide
- Features** : Suitable for all rail cutting processes. Featuring special zirconium and aluminum oxide abrasive grains and a hard structure, the product offers the advantages of cutting without run-out and vibration, as well as high performance and fast cutting.

Version

Standard



Plus



Application Method

Hand Grinder



Fixed Cutting Bench (<3 kW)



Fixed Cutting Bench (≥3 kW)



Portable Gas Operated Cutter



Fixed Power Rail Cutter



Application Area

Welding Burrs



Weld Seam



All Structural



Low Alloy Steels



High Alloy Steels



Hardened Steels (>45 HRC)



Mild Steels (<45 HRC)



Stainless Steel (Inox)



Cast Iron With Spherical Graphite (Nodular)



Gray Cast Iron (Pig)



Common Steel Cast (Containing Mn and Stainless Properties)



Sand Finished Surfaces



Aluminium



Copper Brass, Bronze



Marble



Artificial Rocks



Natural Rocks



Asphalt



Cement Products and Curbstones



Steel Rail Profiles 60 kg/m



Steel Rail Profiles 54 kg/m



Steel Rail Profiles 49 kg/m



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
T41	ZA 30 R BF100	300x 3.5 x22.23	911300	100	25	50
		350x 4.0 x22.23	911310		10	-
		350x 4.0 x25.4	911320		10	-
		400x 4.0 x22.23	906734		10	-
		400x 4.0 x25.4	912970		10	-
		400x 4.0 x40	906735		10	-



Cut-Off & Grinding Discs

Version	
Standard	

Plus	
------	---

Application Method	
--------------------	--

Hand Grinder	
--------------	---

Fixed Cutting Bench (<3 kW)	
-----------------------------	---

Fixed Cutting Bench (≥3 kW)	
-----------------------------	---

Portable Gas Operated Cutter	
------------------------------	---

Fixed Power Rail Cutter	
-------------------------	---

Application Area	
------------------	--

Welding Burrs	
---------------	---

Weld Seam	
-----------	---

All Structural	
----------------	---

Low Alloy Steels	
------------------	---

High Alloy Steels	
-------------------	---

Hardened Steels (>45 HRC)	
---------------------------	---

Mild Steels (<45 HRC)	
-----------------------	--

Stainless Steel (Inox)	
------------------------	---

Cast Iron With Spherical Graphite (Modular)	
---	---

Gray Cast Iron (Pig)	
----------------------	---

Common Steel Cast (Containing Mn and Stainless Properties)	
--	---

Sand Finished Surfaces	
------------------------	---

Aluminium	
-----------	---

Copper Brass, Bronze	
----------------------	---

Marble	
--------	---

Artificial Rocks	
------------------	---

Natural Rocks	
---------------	---

Asphalt	
---------	---

Cement Products and Curbstones	
--------------------------------	---

Steel Rail Profiles 60 kg/m	
-----------------------------	---

Steel Rail Profiles 54 kg/m	
-----------------------------	---

Steel Rail Profiles 49 kg/m	
-----------------------------	---

Metal Cut-Off & Grinding Discs

Abrasive : Aluminum Oxide

Features : Suitable for cutting and grinding processes of welding burrs, weld seams, all structural steels, low and high-alloy steels, hardened steels and common steel cast materials. Featuring aluminum oxide abrasive grains and a hard structure, the product offers the advantage of using a single product for both cutting and grinding operations.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
	A 24/36 ST BF80	115x 4.0 x22.23	911130	80	20	160
		125x 4.0 x22.23	911140		20	160
		180x 4.0 x22.23	911150		20	120
		230x 4.0 x22.23	911160		20	80



Grinding Discs





Label Information

Brand

Specification

Dimension

Maximum Revolution and Maximum
Operation Speed InformationSafety and Personal Protective
Equipment Pictograms

Application Area

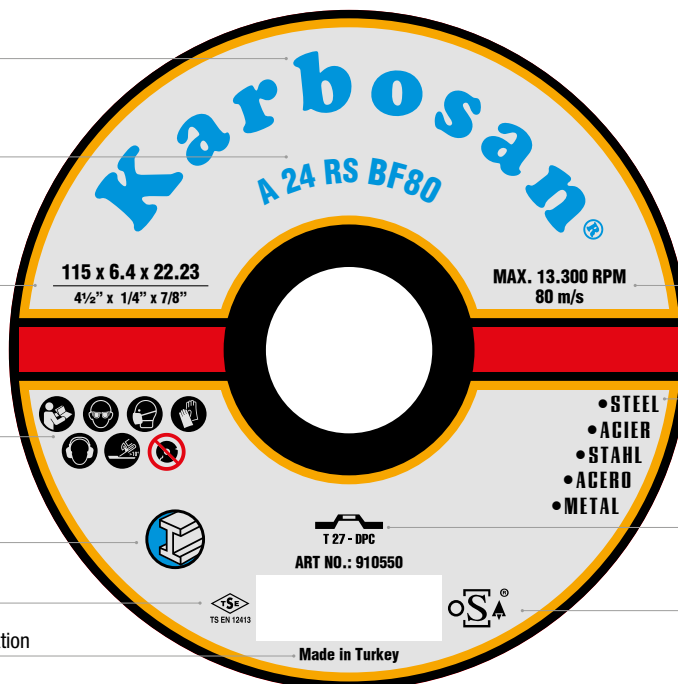
Material Pictogram

Type Pictogram

Standard Compliance Mark

OSA Membership Logo

Article, Barcode, Manufacture Location



Specifications Definition

A

24

RS

BF

80

Abrasive Type

Abrasive Grain Size

Grade Hardness

Bond Type

Peripheral Speed (m/s)

A	Aluminum Oxide
AA	Special Aluminum Oxide
C	Silicon Carbide
ZA	Zirconium

Coarse	8, 10, 12, 14, 16, 20, 24
Medium	30, 36, 46, 54, 60

Medium	L, M, N, O
Hard	P, Q, R, S,
Very Hard	T, U, V, W,

BF	Synthetic Resine (Fiber Reinforced)
-----------	--

Figure indicating the revolution speed of the product in meter / second.

Material Pictograms and Colors

Karbosan bonded abrasives are classified according to applications types for full performance and safe use. This classification is shown with the pictogram indicating the application material and with text on the label. Also, each material is assigned with a color to represent the application material.



Metal



Stainless Steel (Inox)



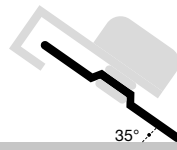
Cast Iron



Aluminium

Type

T42 - Depressed Grinding



Usage Recommendations and Information

- Ensure that the product you will use is not incomplete or damaged.
- Never perform grinding tasks with cut-off discs.
- Always follow the general usage warnings and safety instructions.
- You can watch safe use video tutorials at www.karbosan.com.
- Expiry date of the product is indicated on the bore and period abbreviations after the year marks are listed as **V01-V12** (January-December).
- Never use expired products.



Grinding Discs



Metal Grinding Discs

Abrasive : Aluminum Oxide

Features : Suitable for grinding process of welding burrs and seams, all structural steels, high alloy steels, hardened steels, mild steels, stainless steels and common steel cast materials. Featuring aluminum oxide abrasive grains and a hard structure, the product offers long lifespan and advantage of quick cutting.

Version	
Standard	
Plus	

Application Method	
Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
	A 24 RS BF80	100x 6.4 x 16	910540	80	10	80
		115x 6.4 x 22.23	910550		10	80
		125x 6.4 x 22.23	910560		10	80
		150x 6.4 x 22.23	911830		10	60
		180x 6.4 x 22.23	910570		10	60
		180x 8.0 x 22.23	910580		10	60
		180x 10 x 22.23	910590		10	40
		230x 6.4 x 22.23	910600		10	40
		230x 8.0 x 22.23	910610		10	40
		230x 10 x 22.23	910620		10	40

Application Area	
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper, Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	



Grinding Discs

Version	
Standard	

Plus	
------	---

Application Method

Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	

Application Area

Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper, Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Stainless Steel (Inox) Grinding Discs

Abrasive : Special Aluminum Oxide

Features : Suitable for grinding process of high alloy steels, hardened steels, stainless steels and common steel cast materials. Featuring special aluminum oxide abrasive grains and a hard structure, the product is ideal for grinding stainless steel materials. The product does not contain iron (Fe) and sulfur (S).



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
	AA 24 P BF80	100 x 6.4 x 16	912710	80	10	80
		115 x 6.4 x 22.23	910680		10	80
		125 x 6.4 x 22.23	910690		10	80
		180 x 6.4 x 22.23	910700		10	60
		180 x 8.0 x 22.23	910710		10	60
		230 x 6.4 x 22.23	910720		10	40



Grinding Discs



Cast Iron Grinding Discs

- Abrasive** : Silicon Carbide
- Features** : Suitable for grinding process of spherical graphite cast iron, grey cast iron, sand finished surfaces, copper, brass, marble, artificial and natural rocks. Featuring silicon carbide abrasive grains and a hard structure, the product offers long lifespan and advantage of convenient material removal.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
 T27	C 24 S BF80	100x 6.4 x 16	911700	80	10	80
		115x 6.4 x 22.23	910730		10	80
		125x 6.4 x 22.23	910740		10	80
		180x 6.4 x 22.23	910750		10	60
		180x 8.0 x 22.23	910760		10	60
		180x 10 x 22.23	911730		10	-
		230x 6.4 x 22.23	910770		10	40
		230x 8.0 x 22.23	911750		10	40



Version	
Standard	
Plus	
Application Method	
Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	
Application Area	
Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper, Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

Grinding Discs

Version	
Standard	

Plus

Application Method	
--------------------	--

Hand Grinder

Fixed Cutting Bench (<3 kW)

Fixed Cutting Bench (≥3 kW)

Portable Gas Operated Cutter

Fixed Power Rail Cutter

Application Area	
------------------	--

Welding Burrs

Weld Seam

All Structural

Low Alloy Steels

High Alloy Steels

Hardened Steels (>45 HRC)

Mild Steels (<45 HRC)

Stainless Steel (Inox)

Cast Iron With Spherical Graphite (Nodular)

Gray Cast Iron (Pig)

Common Steel Cast (Containing Mn and Stainless Properties)

Sand Finished Surfaces

Aluminium

Copper, Brass, Bronze

Marble

Artificial Rocks

Natural Rocks

Asphalt

Cement Products and Curbstones

Steel Rail Profiles 60 kg/m

Steel Rail Profiles 54 kg/m

Steel Rail Profiles 49 kg/m

Aluminium Grinding Discs

Abrasive : Aluminum Oxide

Features : Suitable for grinding operations on aluminium, copper, brass and bronze materials. Featuring aluminum oxide abrasive grains and a hard structure, the product offers the advantage of convenient material removal without causing clogging.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
	A 24 N BF80	115x6.4x22.23	911230	80	10	80
		125x6.4x22.23	911240		10	80
		180x6.4x22.23	911250		10	60
		180x8.0x22.23	911840		10	60
		230x6.4x22.23	911260		10	40



Plus Grinding Discs



Metal Plus Grinding Discs

Abrasive : Aluminum Oxide

Features : Suitable for grinding process of welding burrs and seams, all structural steels, high alloy steels, hardened steels, mild steels, stainless steels and common steel cast materials. Featuring aluminum oxide abrasive grains and a hard structure, the product can perform more aggressive grinding than standard products and ideal for grinding operations on heat sensitive materials.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
 T27	A 30 Q BF80	115x6.4x22.23	910630	80	10	80
		125x6.4x22.23	910640		10	80
		180x6.4x22.23	910650		10	60
		180x8.0x22.23	910660		10	60
		230x6.4x22.23	910670		10	40
		230x8.0x22.23	911430		10	40



Version

Standard



Plus



Application Method

Hand Grinder



Fixed Cutting Bench (<3 kW)



Fixed Cutting Bench (≥3 kW)



Portable Gas Operated Cutter



Fixed Power Rail Cutter



Application Area

Welding Burrs



Weld Seam



All Structural



Low Alloy Steels



High Alloy Steels



Hardened Steels (>45 HRC)



Mild Steels (<45 HRC)



Stainless Steel (Inox)



Cast Iron With Spherical Graphite (Nodular)



Gray Cast Iron (Pig)



Common Steel Cast (Containing Mn and Stainless Properties)



Sand Finished Surfaces



Aluminium



Copper, Brass, Bronze



Marble



Artificial Rocks



Natural Rocks



Asphalt



Cement Products and Curbstones



Steel Rail Profiles 60 kg/m



Steel Rail Profiles 54 kg/m



Steel Rail Profiles 49 kg/m



Plus Grinding Discs

Version	
Standard	

Plus	
------	---

Application Method	
--------------------	--

Hand Grinder	
Fixed Cutting Bench (<3 kW)	
Fixed Cutting Bench (≥3 kW)	
Portable Gas Operated Cutter	
Fixed Power Rail Cutter	

Application Area	
------------------	--

Welding Burrs	
Weld Seam	
All Structural	
Low Alloy Steels	
High Alloy Steels	
Hardened Steels (>45 HRC)	
Mild Steels (<45 HRC)	
Stainless Steel (Inox)	
Cast Iron With Spherical Graphite (Nodular)	
Gray Cast Iron (Pig)	
Common Steel Cast (Containing Mn and Stainless Properties)	
Sand Finished Surfaces	
Aluminium	
Copper, Brass, Bronze	
Marble	
Artificial Rocks	
Natural Rocks	
Asphalt	
Cement Products and Curbstones	
Steel Rail Profiles 60 kg/m	
Steel Rail Profiles 54 kg/m	
Steel Rail Profiles 49 kg/m	

ZA Cast Iron Plus Grinding Discs

Abrasive : Zirconia

Features : Suitable for grinding process of welding burrs and seams, high alloy steels, mild steels, stainless steels, spherical graphite cast iron, grey cast iron, common steel cast and sand finished surfaces. Featuring zirconia abrasive grains and a hard structure, the product offers the advantage of more aggressive material removal than standard products.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Box	M. Box
	ZA 24 R BF80	115x7.0x22.23	910780	80	10	-
		125x7.0x22.23	910790		10	-
		180x7.0x22.23	910800		10	60
		180x8.0x22.23	911170		10	60
		230x7.0x22.23	910810		10	40



Grinding Wheels





Conical Cup Wheels



- Abrasive : Silicon Carbide
- Features : Suitable for grinding process of marble, mosaic, concrete and similar artificial and natural rocks. It is also suitable for coarse burr removal processed of metals.

Type	Specification	Dimension (mm)	Grain	Article	Peripheral Speed (m/s)	Shrink
 T11	SC 16 L5 BB	100x 50 xM14	16	914200	45	4
		125x 50 xM14		914210		4
	SC 24 L5 BB	100x 50 xM14	24	914220	45	4
		125x 50 xM14		914230		4

Flat Cup Wheels



- Abrasive : Silicon Carbide
- Features : Suitable for grinding process of marble, mosaic, paladiana, concrete and similar artificial and natural rocks. It is also suitable for coarse burr removal processed of metals.

Type	Specification	Dimension (mm)	Grain	Article	Peripheral Speed (m/s)	Shrink
 T6	SC 16 L5 BB	100x 50 xM14	16	914300	45	4
		125x 50 xM14		914310		4
	SC 24 L5 BB	100x 50 xM14	24	914320	45	4
		125x 50 xM14		914330		4

Marble & Mosaic Cup Wheels

- Abrasive : Silicon Carbide
- Features : Suitable for grinding process of marble, mosaic, paladiana, concrete and similar artificial and natural rocks. It is also suitable for coarse burr removal processed of metals.



Type	Specification	Dimension (mm)	Grain	Article	Peripheral Speed (m/s)	Shrink
 T11	SC 16 L5 BB	110x 58 x22.23	16	914400	45	4
	SC 24 L5 BB	110x 58 x22.23	24	914410	45	4

NK Recessed Grinding Discs

- Abrasive : Aluminum Oxide
- Features : Suitable for deburring process of clevis, clevis recess, very fine and sensitive areas.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Shrink
 T6	NK 80 Q4 BA	150x 2.0 x20	912300	45	20
		175x 2.0 x20	912310		20
		190x 2.0 x28	912320		10

Vitrified Products



- Grinding Wheels
- Saw Sharpening
- Tool Sharpening



Grinding Wheels





Aluminum Oxide Grinding Wheels



Abrasive : Aluminum Oxide

Features : Suitable for sharpening process of lathe spindles on bench type surface grinding machines and also for all types of steel and iron grinding. It provides the advantages of general purpose use and offers maximum 35 m/s operating speed.

Type	Dimension (mm)	Peripheral Speed (m/s)	24	36	46	60	Shrink
 T1	75 x 13 x 10	35	•	913010	913020	913030	5
	100 x 13 x 10		•	913040	913050	913060	5
	100 x 16 x 20		•	913070	913080	913090	5
	125 x 16 x 16		•	914790	914800	914810	5
	125 x 20 x 20		914820	914830	914840	914850	5
	150 x 20 x 20		914860	914870	914880	914890	5
	150 x 25 x 20		914900	914910	914920	914930	5
	175 x 20 x 20		914940	914950	914960	914970	5
	175 x 25 x 20		914980	914990	920000	920010	5
	200 x 20 x 20		920020	920030	920040	920050	5
	200 x 25 x 20		920060	920070	920080	920090	5
	200 x 30 x 20		920100	920110	920120	•	4
	200 x 32 x 20		920130	920140	920150	•	4
	250 x 25 x 25		920180	920190	920200	•	5
	250 x 30 x 25		920210	920220	920230	•	4
	250 x 32 x 25		920240	920250	920260	•	4
	250 x 40 x 25		920270	920280	920290	•	2
	300 x 30 x 30		920300	920310	920320	•	2
	300 x 32 x 30		920330	920340	920350	•	2
	300 x 40 x 30		920360	920370	920380	•	2
	350 x 40 x 40		920390	920400	920410	•	2
	400 x 40 x 40		920420	920430	920440	•	1



SCG Diamond Sharpening Wheels

- Abrasive

: Silicon Carbide (Green)
- Features

: Suitable for sharpening process of carbide tools on bench type standard grinding machines. The product has an extended lifespan and does not cause burning and offers maximum 35 m/s operating speed.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Shrink
T1	SCG 80 J 5 V	125x 20 x20	920450	35	5
		125x 25 x20	920460		5
		150x 20 x20	920470		5
		150x 25 x20	920480		5
		175x 20 x20	920490		5
		175x 25 x20	920500		5
		200x 20 x20	920510		5
		200x 25 x20	920520		5
		200x 32 x20	920530		5
		250x 25 x25	920540		5
		250x 32 x25	920550		3
		300x 30 x30	920560		2
		300x 32 x30	920570		2



Steel Grinding Wheels



Abrasive : Aluminum Oxide (EKR)

Features : Available in 36, 46 and 60 grit size, it is used for cylindrical and surface grinding in addition to general purpose usage. It is mainly used for grinding tool steel and unhardened steels. High performance and long lasting. Maximum peripheral speed 35 m/s.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Shrink
EKR 36 K6V	T1	150x 20 x20	914450	35	5
		175x 20 x20	914480		5
		250x 25 x76.2	914490		5
		250x 30 x76.2	914520		3
		250x 32 x76.2	914770		3
		250x 40 x76.2	914560		2
		300x 40 x127	914590		2
		350x 40 x127	914640		2
		350x 50 x127	914670		1
		400x 40 x127	914700		1
		400x 50 x127	908902		1
		150x 20 x20	914460		5
		175x 20 x20	914730		5
		200x 20 x20	914750		5
		250x 25 x76.2	914500		5
		250x 30 x76.2	914530		3
		250x 32 x76.2	914780		3
		250x 40 x76.2	914570		2
		300x 40 x76.2	914620		2
		300x 40 x127	914600		2
		350x 40 x127	914650		2
EKR 46 K6V	T1	350x 50 x127	914680	35	1
		400x 35 x127	916000		1
		400x 40 x127	914710		1
		400x 50 x127	903804		1
		150x 20 x20	914470		5
		175x 20 x20	914740		5
		200x 20 x20	914760		5
		250x 25 x76.2	914510		5
		250x 30 x76.2	914540		3
		250x 32 x76.2	914550		3
		250x 40 x76.2	914580		2
		300x 40 x76.2	914630		2
		300x 40 x127	914610		2
		350x 40 x127	914660		2
		350x 50 x127	914690		1
		400x 40 x127	914720		1
		400x 50 x127	903805		1
EKR 60 K6V	T1	150x 20 x20	914470	35	5
		175x 20 x20	914740		5
		200x 20 x20	914760		5
		250x 25 x76.2	914510		5
		250x 30 x76.2	914540		3
		250x 32 x76.2	914550		3
		250x 40 x76.2	914580		2
		300x 40 x76.2	914630		2
		300x 40 x127	914610		2
		350x 40 x127	914660		2
		350x 50 x127	914690		1
		400x 40 x127	914720		1



Glass Grinding Wheels



Abrasive : Silicon Carbide
Features : Suitable for rodage in glass industry.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Shrink
 T1	SCG 100 L5 VN	300x 30 x30	914370	80	1
		350x 35 x30	914380		1

Crystal Grinding Wheels

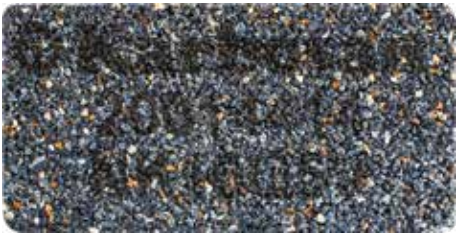
Abrasive : Aluminum Oxide
Features : Suitable for surface cleaning processes of crystal and glass pieces.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Shrink
 T1	NK 80 M6 V130 YS	350x 50 x40	914430	35	1
		400x 50 x40	914390		1
 T5	NK 80 M6 V130 YS	350x 50 x40	914440	35	1
		180x 30			
		400x 50 x40	914420		
		180x 30			1

Aluminum Oxide Mosaic Scrubbing Stones

Abrasive : Aluminum Oxide
Features : Suitable for grinding of mosaic, floor tiling and similar materials.



Specification	Dimension (mm)	Article	Shrink	Specification	Dimension (mm)	Article	Shrink
NK 16 Q5 V	100x 50 x25	•	20	NK 36 P5 V	100x 50 x25	920620	20
	100x 50 x50	920640	10		100x 50 x50	920660	10
	100x100x50	•	5		100x100x50	920590	5
	200x100x50	•	3		200x100x50	920690	3
NK 24 Q5 V	100x 50 x25	920610	20	NK 46 O5 V	100x 50 x25	920630	20
	100x 50 x50	920650	10		100x 50 x50	920670	10
	100x100x50	920580	5		100x100x50	920600	5
	200x100x50	920680	3				



Scythe Sharpener

Abrasive : Aluminum Oxide
Features : Suitable for manual sharpening processes of scythes.



Specification	Dimension (mm)	Article	Shrink
HK 150 P5 V	222x 13 x35	913680	1



Saw Sharpening





NK Saw Sharpening



Abrasive : Aluminum Oxide

Features : Long lasting, sharpening of round saws, band saws and other saw alternatives, Edge form C, Maximum operating speed 35 m/s. Saw blade sharpener wheels are widely used in saw production and wood products industry to shape miscellaneous saws and to sharpen saw blades. In addition to the use of flat wheels, various edges forms are also possible. It has a wide use as edge form C.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Shrink
 T1	NK 60	150x6.0x20	913960	35	10
		150x8.0x20	913980		10
		150x 10 x20	913940		10
		175x8.0x20	914190		10
		175x 10 x20	914160		10
		200x8.0x20	914290		10
		200x 10 x20	914260		10
		250x 10 x25	914360		10
	NK 80	150x6.0x25	913970	35	10
		150x8.0x20	913990		10
		150x 10 x20	913950		10
		175x8.0x20	914240		10
		175x 10 x20	914170		10
		200x8.0x20	914340		10
		200x 10 x20	914270		10
		250x 10 x25	•		10



EKR Saw Sharpening

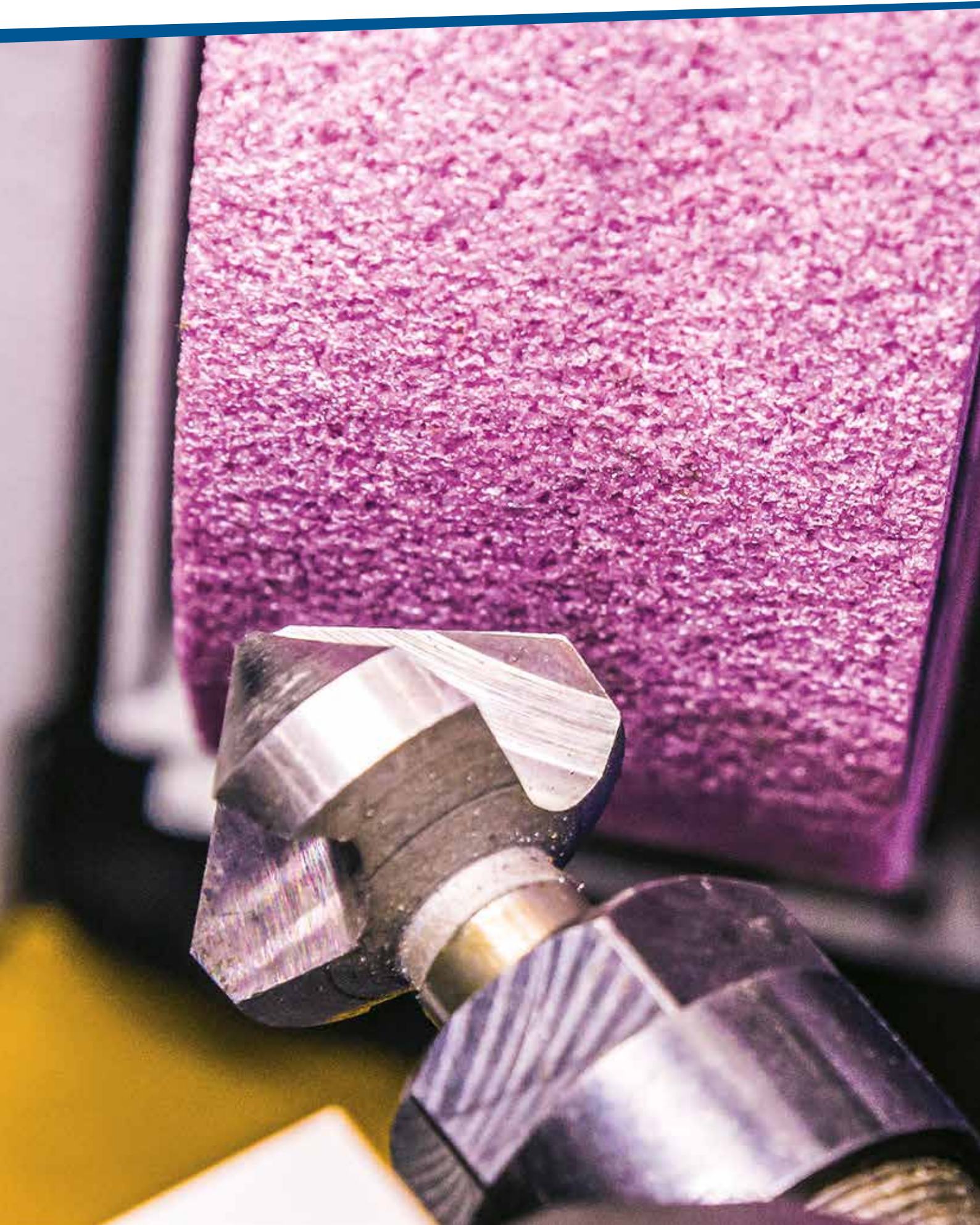
Abrasive : Aluminum Oxide (EKR)

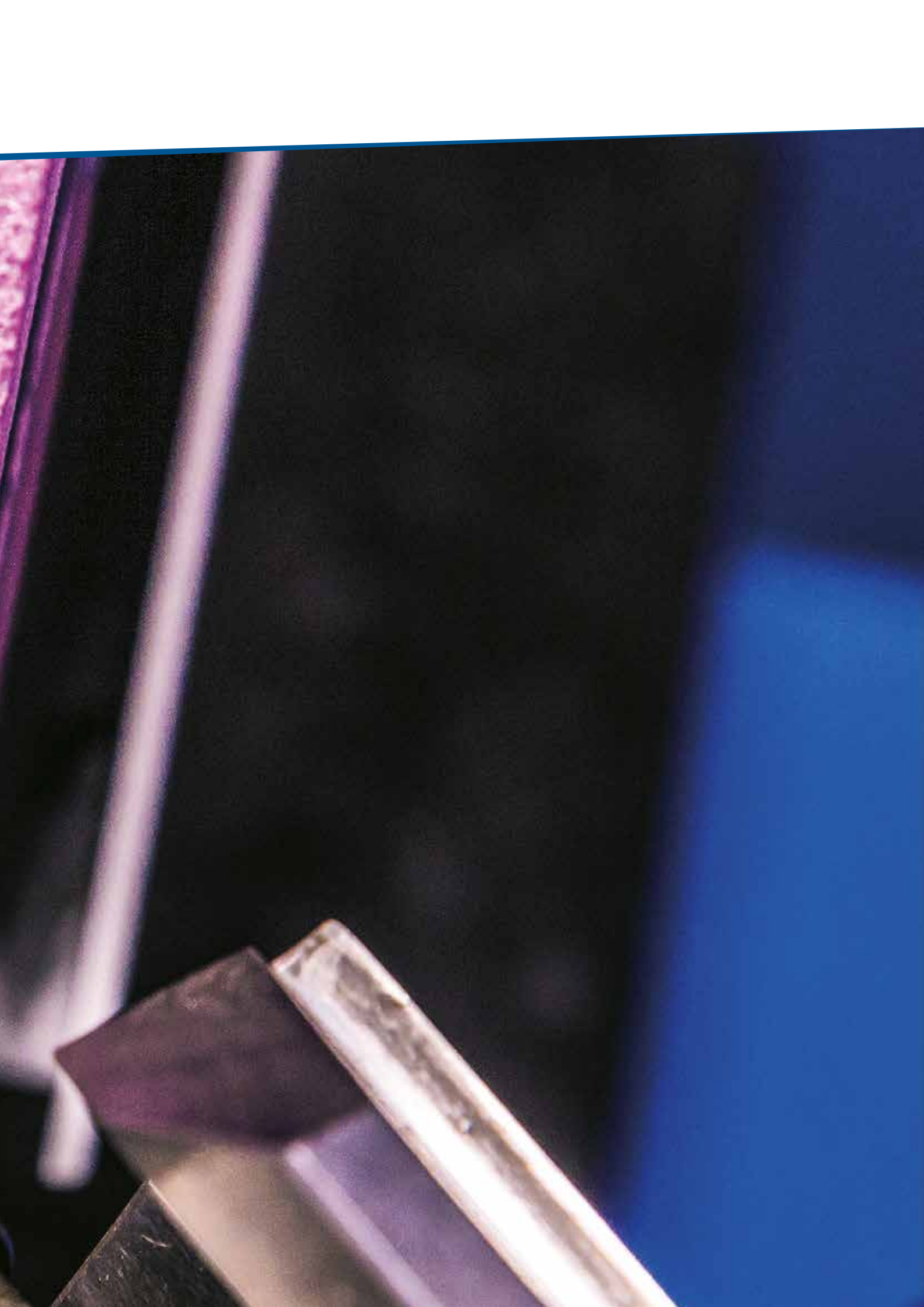
Features : Sharpening of round saws, band saws and other saw alternatives, long lasting without causing material burn, convenient cutting, maximum operating speed 35 m/s. Saw blade sharpener wheels are widely used in saw production and wood products industry to shape miscellaneous saws and to sharpen saw blades. In addition to the use of flat wheels, various edges forms are also possible. It has a wide use as edge form C.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Shrink
 T1	EKR 60	175x 8.0 x20	914180	35	10
		175x 10 x20	914150		10
		200x 8.0 x20	914280		10
		200x 10 x20	914250		10
		250x 10 x25	914350		10

Tool Sharpening





Form D Cup Wheels



Abrasive : Aluminum Oxide (EKR)
Features : Suitable for sharpening milling cutting bits, guides and similar cutting tools.
It has a maximum 35 m/s operating speed.

Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Shrink
 T6	EKR 46 K6 V	Form D - 50 (50x32x13)	978434	35	5
		Form D - 75 (75x40x20)	978435		5
		Form D - 100 (100x50x20)	978436		5
		Form D - 125 (125x63x20)	978437		5
		Form D - 150 (150x80x20)	978438		4
	EKR 60 K6 V	Form D - 50 (50x32x13)	914000	35	5
		Form D - 75 (75x40x20)	914010		5
		Form D - 100 (100x50x20)	914020		5
		Form D - 125 (125x63x20)	914030		5
		Form D - 150 (150x80x20)	914040		4
	EKW 46 K6 V	Form D - 50 (50x32x13)	978454	35	5
		Form D - 75 (75x40x20)	978455		5
		Form D - 100 (100x50x20)	978456		5
		Form D - 125 (125x63x20)	978457		5
	EKW 60 K6 V	Form D - 50 (50x32x13)	978444	35	5
		Form D - 75 (75x40x20)	978445		5
		Form D - 100 (100x50x20)	978446		5
		Form D - 125 (125x63x20)	978447		5
		Form D - 150 (150x80x20)	978448		4



Form E Conical Cup Wheels

- Abrasive : Aluminum Oxide (EKR)
- Features : Suitable for sharpening milling cutting bits, guides and similar cutting tools.
It has a maximum 35 m/s operating speed.



Type	Specification	Dimension (mm)	Article	Peripheral Speed (m/s)	Shrink
 T11	EKR 46 K6 V	Form E - 50 (50x32x13)	978439	35	5
		Form E - 75 (75x40x20)	978440		5
		Form E - 100 (100x50x20)	978441		5
		Form E - 125 (125x63x20)	978442		5
		Form E - 150 (150x80x20)	978443		4
	EKR 60 K6 V	Form E - 50 (50x32x13)	914100	35	5
		Form E - 75 (75x40x20)	914110		5
		Form E - 100 (100x50x20)	914120		5
		Form E - 125 (125x63x20)	914130		5
		Form E - 150 (150x80x20)	914140		4
	EKW 46 K6 V	Form E - 50 (50x32x13)	978454	35	5
		Form E - 75 (75x40x20)	978455		5
		Form E - 100 (100x50x20)	978456		5
		Form E - 125 (125x63x20)	978457		5
	EKW 60 K6 V	Form E - 50 (50x32x13)	978449	35	5
		Form E - 75 (75x40x20)	978450		5
		Form E - 100 (100x50x20)	978451		5
		Form E - 125 (125x63x20)	978452		5
		Form E - 150 (150x80x20)	978453		4

Diamond Blades



- Segmented Diamond Blades
- Thin Line Segmented Diamond Blades
- Turbo Diamond Blades
- Continuous Rim Diamond Blades
- Wave Turbo Diamond Blades

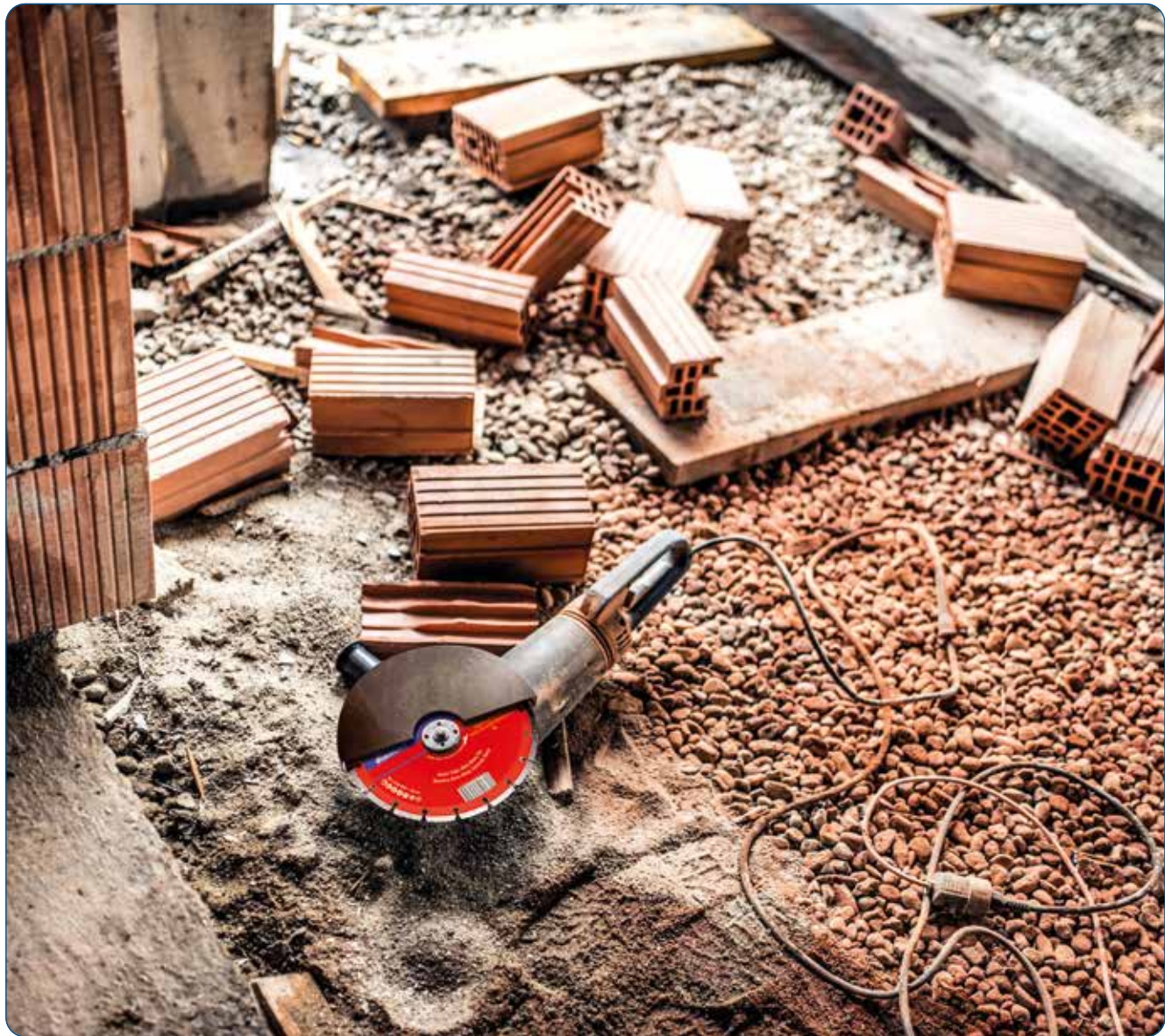


Segmented Diamond Blades



Features : Suitable for dry cutting processes of concrete, special concrete, brick, granite and construction materials.

Type	Dimension (mm)	Article	Revolution Speed (m/s)	Box	M. Box
Normal	115x2.0x22.23	950110	80	1	-
	180x2.2x22.23	950120		1	-
	230x2.4x22.23	950130		1	-
Flanged	180x2.2x22.23	950140	80	1	-



Thin Line Segmented Diamond Blade

Features : Suitable for dry cutting processes of marble and granite materials in particular and also, concrete, tile, ceramic, brick and construction materials. It offers the advantage of high performance and quick cutting.



Type	Dimension (mm)	Article	Revolution Speed (m/s)	Box	M. Box
Normal	115x0.8x22.23	912048	80	1	-



Turbo Diamond Blades



Features : Suitable for dry or wet cutting processes of marble and granite in particular and also, concrete, tile, ceramic, brick and construction materials.

Type	Dimension (mm)	Article	Revolution Speed (m/s)	Box	M. Box
Normal	115x 2.0 x22.23	950310	80	1	-
	180x 2.2 x22.23	950320		1	-
	230x 2.4 x22.23	950330		1	-
Flanged	180x 2.2 x22.23	950340	80	1	-
	230x 2.4 x22.23	950350		1	-



Continuous Rim Diamond Blades

Features : They are suitable for wet or dry precision cutting processes of tiling, in particular, and materials such as granite, marble, ceramic and brick. It does not break the material edges during cutting process



Type	Dimension (mm)	Article	Revolution Speed (m/s)	Box	M. Box
Normal	115x 1.8 x22.23	950210	80	1	-
	180x 2.0 x22.23	950220		1	-
	230x 2.3 x22.23	950230		1	-



Wave Turbo Diamond Blades



Features : Suitable for dry or wet cutting processes of granite in particular and also, marble, ceramic, brick, tiling and construction materials thanks to its wave turbo grooves. Turbo grooves allow air circulation and facilitates quicker cooling of the disc during cutting process.

Type	Dimension (mm)	Article	Revolution Speed (m/s)	Box	M. Box
Normal	115x 2.2 x22.23	950410	80	1	-
	180x 2.4 x22.23	950420		1	-
	230x 2.6 x22.23	950430		1	-
Flanged	180x 2.4 x22.23	950440	80	1	-
	230x 2.6 x22.23	950450		1	-





Notes

Coated Abrasives



- [Technical Information](#)

- [Technical Table](#)

- [Abrasive Belts & Rolls](#)

- [Flap Discs](#)

- [Fibre Discs](#)

- [Hook & Loop Discs](#)

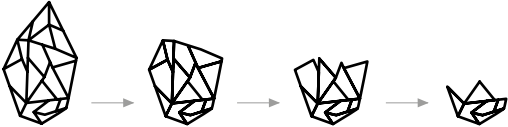
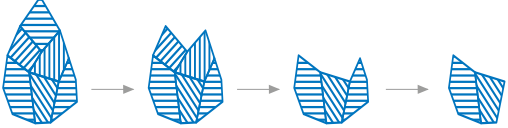
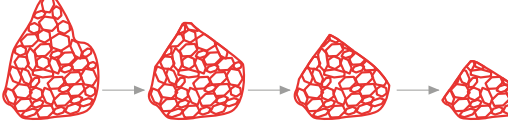
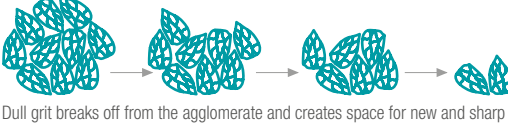
- [Sheets and Sponges](#)

- [Flap Wheels](#)

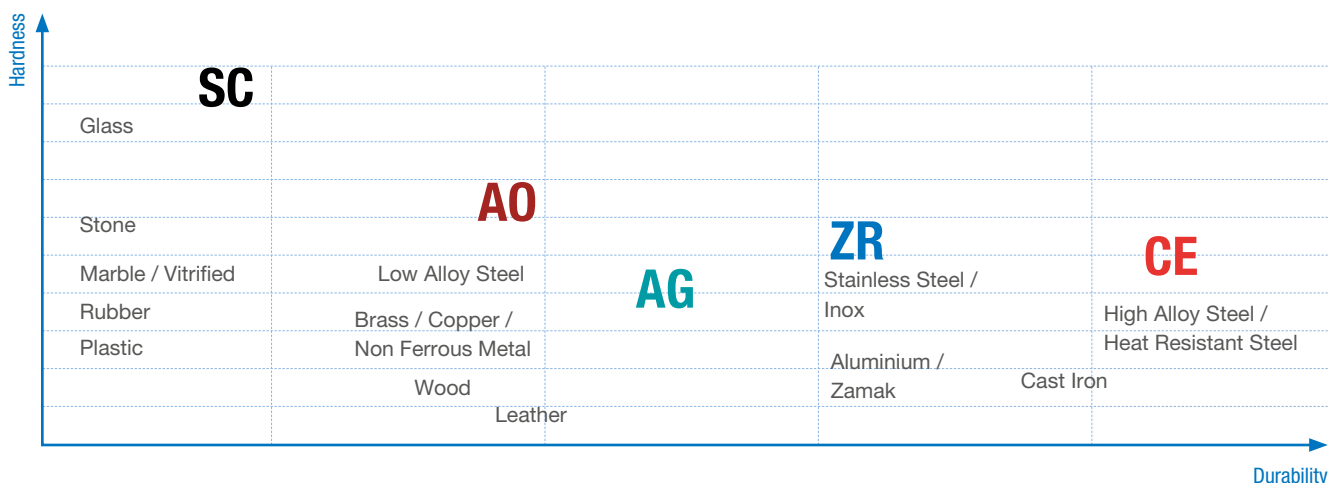
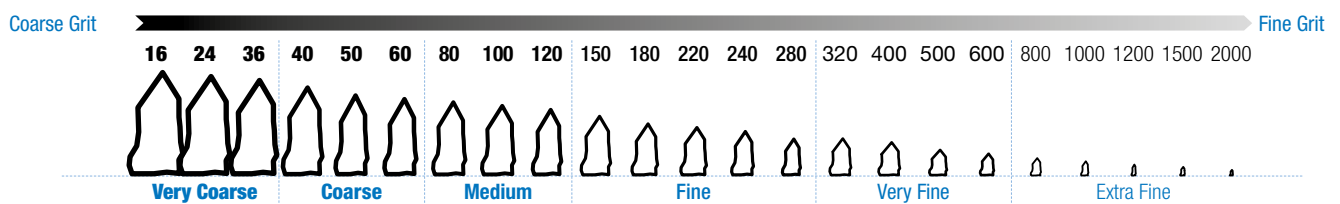
- [Quick Lock Discs](#)



Abrasive Grains

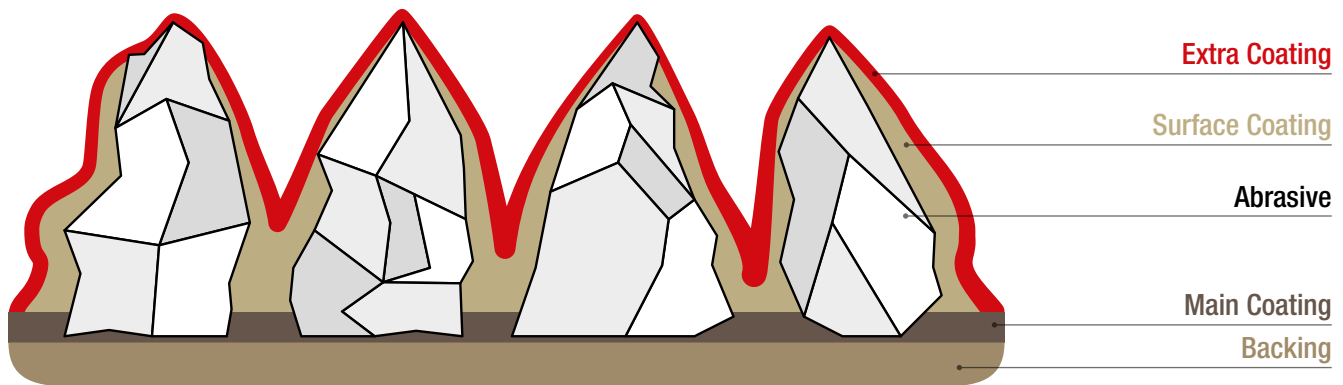
Types of Abrasive Grains	Description	Hardness	Durability	Structure	Property and Wear Behavior
SC Silicon Carbide	Very hard and brittle abrasive for the surface finish of glass and stone materials, final finish for metal and coatings	Very Hard	Less Tough	Crystalline	 Sharp-edged abrasive, coarse, brittle and highly friable micro-wear
AO Aluminum Oxide	Hard and durable abrasive for grinding of wood, metal and coatings	Hard	Tough	Crystalline, Irregular	 Wedge-shaped, block structured abrasive, macro wear
ZR Zirconia	Hard and very durable abrasive for aggressive grinding of stainless steel, metal and wood	Hard	Very Tough	Crystalline, Regular	 Wedge-shaped, block drop formed abrasive, micro wear, self-sharpening
CE Ceramic	Hard and very durable, long lasting and self-sharpening abrasive for machining of high alloy steel and stainless steel	Hard	Very Tough	Microcrystalline	 Sharp-edged, pointed abrasive, micro wear, self-sharpening
AG Compact Aluminum Oxide	Continual and long lasting stock removal abrasive for all applications for grinding of high alloy steel and stainless steel	Hard	Tough	Resin-bonded Aluminum Oxide Minerals	 Dull grit breaks off from the agglomerate and creates space for new and sharp grit

Grit Size Guide



Classification of abrasives according to their hardness, strength and application areas

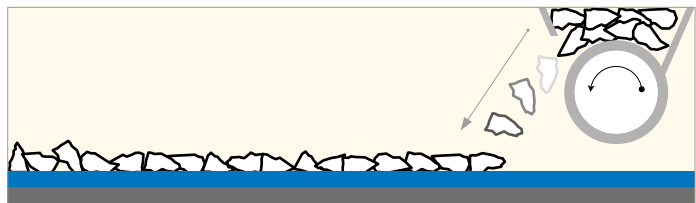
Coating



Coating	Coating Type	Description
Extra Coating	Top Size Coating	Friction and heat absorbant (cooler effect) Top Size coating that enhances the performance.
	Stearat Coating	Anti-clogging (slipping effect) Stearate coating that enhances the performance.
Surface Coating	Size Coating	Coating that bonds abrasive grains to the main coating.
Main Coating	Make Coating	Coating that bonds abrasive grains to the backing. Electrostatically applied for optimum bonding.
Antistatic	Antistatic Coating	Electrode loads occur during grinding process of different materials, as a result, non-conductive materials such as wood adhere to the sanding surface and may adversely affect sanding performance. To avoid this, backings are selected from antistatic materials and coated with antistatic properties.

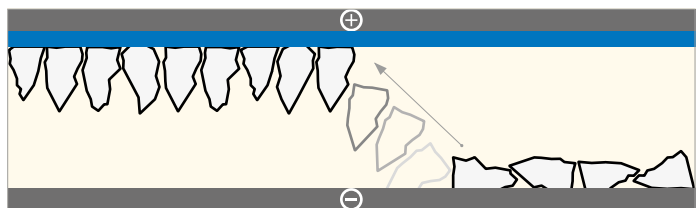
Gravity Coating

Abrasive grains drop randomly on the backing, coated by the gravitational force. Mechanically coated abrasives with gravity coating are less aggressive and material removal performance is not very high.



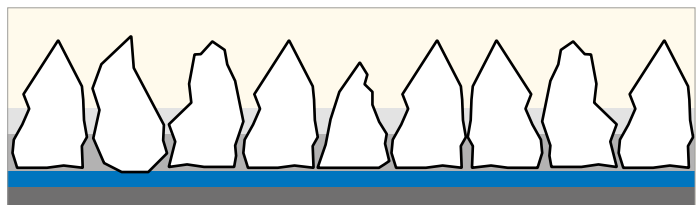
Electrostatic Coating

Abrasive grains are electrostatically charged and set up perpendicularly on the backing with the main coating. The abrasives coated with electrostatic coating are much more aggressive. Products with gravitational coating and electrostatic coating are defined as split layers. If two different types of abrasives are used split layer (both gravity and electrostatic coating) is applied, if 100% one type of abrasive is used only electrostatic coating is applied. Time to time only gravity coating can be applied according to the size of the abrasive grain sizes.



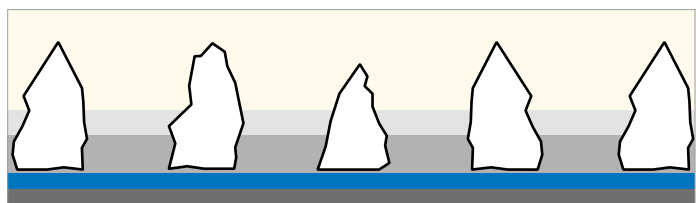
Closed Coating

If the backing surface is completely covered with abrasive grain, it is called as Closed Coating.



Semi-Open / Open Coating

If the backing surface is coated with 75% of abrasive grains, it is called Semi-Open Coating; if it is coated with 50% of abrasive grains, it is called Open Coating.

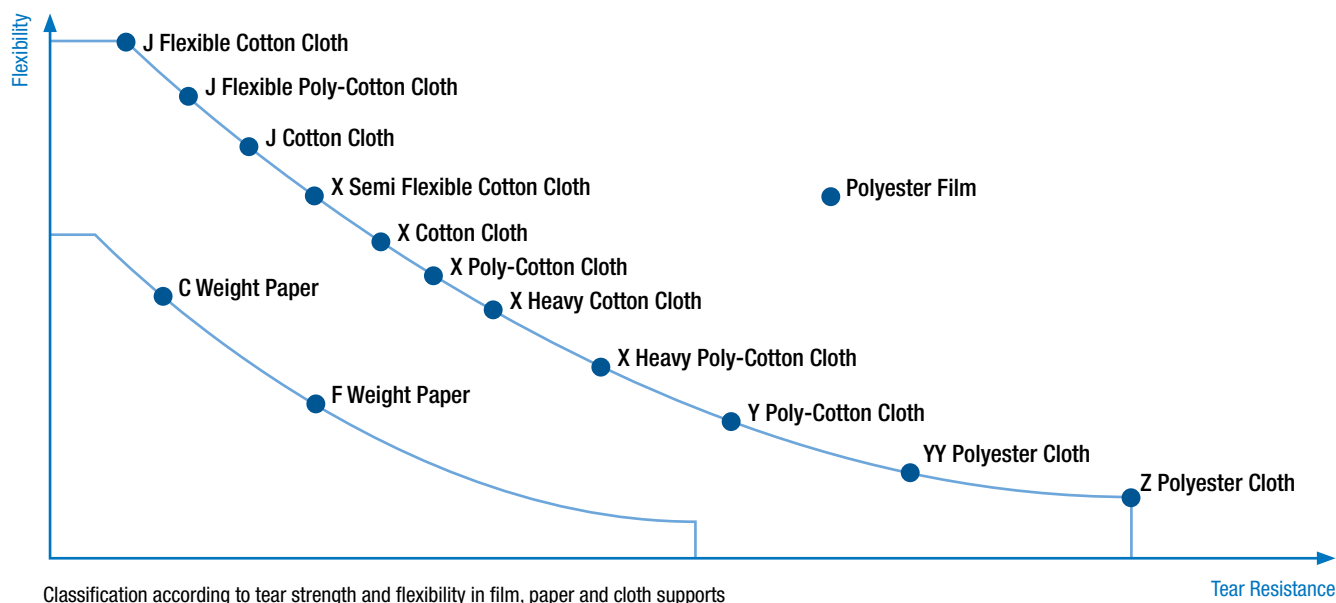


Product Code Information

A		XP		R		1		1			
Abrasive		Backing		Bond		Coating		Version			
A	Aluminum Oxide	H	Polyester Film	X / XE	X Heavy Cotton Cloth	R	Resin Over Resin	1	Closed	1	Standard
C	Silicon Carbide	C	C Weight Paper	XF	X Semi Flexible Cotton Cloth			2	Semi-Open	2	Version
Z	Zirconia	F	F Weight Paper	XP	X Heavy Poly-Cotton Cloth			3	Stearat	3	Version
CE	Ceramic	J	J Cotton Cloth	XP / Y	Y Poly-Cotton Cloth			5	Top Size	0	Version
AG	Compact Aluminum Oxide	JF	J Flexible Cotton Cloth	YX / YY	YY Polyester Cloth			7	Antistatic & Closed		
		JF / F	J Flexible Poly-Cotton Cloth	Z	Z Polyester Cloth			9	Antistatic & Semi-Open		
		X	X Cotton Cloth X Poly-Cotton Cloth	WE / W	Vulcanized Fibre						

Backings

Backing	Backing Type	Classification	Application Example
Film	Polyester Film	Polyester Film	Surface sanding (machine)
Paper	C Weight Paper	Fine paper	Surface sanding (machine)
	F Weight Paper	Heavy paper	Surface sanding (machine)
Cloth	J Flexible Cotton Cloth	Light, very flexible	Very polished workpieces (manual & machine)
	J Flexible Poly-Cotton Cloth	Very flexible	Polished workpieces (manual & machine)
	J Cotton Cloth	Light, flexible	Very polished workpieces (manual & machine)
	X Semi Flexible Cotton Cloth	Heavy, flexible	Manually used flap wheels and mini belts
	X Cotton Cloth	Light, hard	Surfaces, edges, revolving bodies (machine)
	X Heavy Cotton Cloth	Heavy, hard	Surfaces, edges, revolving bodies (machine)
	X Poly-Cotton Cloth	Light, hard	Surfaces, edges, revolving bodies (machine)
	X Heavy Poly-Cotton Cloth	Heavy, very hard	Surfaces, edges, revolving bodies (machine)
	Y Poly-Cotton Cloth	Very heavy, hard	Surface sanding (machine)
	YY Polyester Cloth	Very heavy, very hard	Surfaces, edges, revolving bodies (machine)
Fibre	Z Polyester Cloth	Very heavy, very hard can be segmented	Surface sanding (machine)
	Vulcanized Fibre	Light, economic	Light metalwork (hand grinder)
	Vulcanized Fibre	Heavy, standard	Heavy metalwork (hand grinder)
	Vulcanized Fibre	Heavy, hard	Very heavy metalwork (hand grinder)



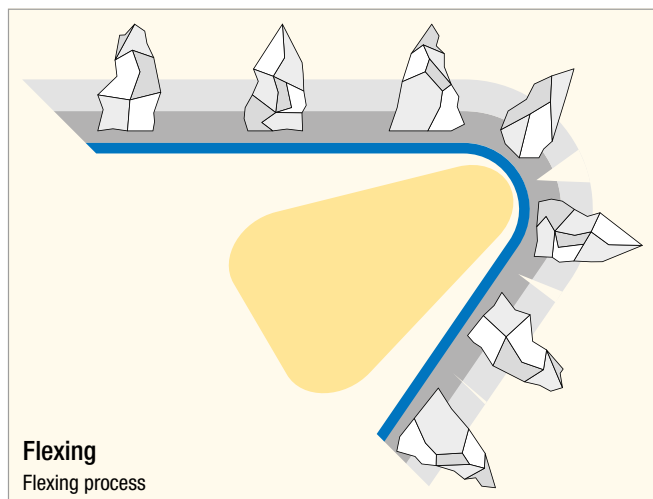
Product Selection & Storage Conditions

In selection of the coated abrasive, material type of the workpiece to be sanded, type of the machine to be used in the application and the form in which the coated abrasive is to be used in this machine are very important. Accordingly, backing type, abrasive type and abrasive grain size are selected.

Some important parameters affecting the abrasive performance are; antistatic feature of the coated abrasive, the suitability for wet use, Top Size coating to prevent heat and clogging and flexibility/stiffness.

For high stock removal and long life, it is important that the coated abrasive has a flexible structure and the abrasive grains are not filled with workpiece.

Once the coated abrasive production is complete, stiffness must be reduced. This is achieved by softening the backing to a more elastic structure, providing abrasive grains to work more independent and high performance.



Surface Finish Variables	Rough Surface				Smooth Surface	
Grit Size	Coarse				Fine	
Coating	Open Coating		Semi-Open Coating		Closed Coating	
Belt Speed	Slow				Fast	
Abrasive	Zirconia	Ceramic	Aluminum Oxide	Silicon Carbide	Compact Aluminum Oxide	
Workpiece Hardness	Soft				Hard	
Cutting Efficiency Variables	More Aggressive, Better Cut				Less Aggressive, Lower Cut	
Workpiece Feed Speed	Slow				Fast	
Belt Speed	Slow				Fast	
Grit Size	Coarse				Fine	
Product Durability	Fibre		Cloth		Paper	
Abrasive	Zirconia	Ceramic	Aluminum Oxide	Silicon Carbide	Compact Aluminum Oxide	
Coating	Closed Coating		Semi-Open Coating		Open Coating	
Pressure	High		Medium		Low	
Workpiece Hardness	Soft				Hard	

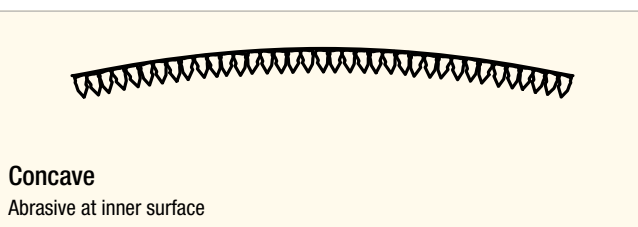
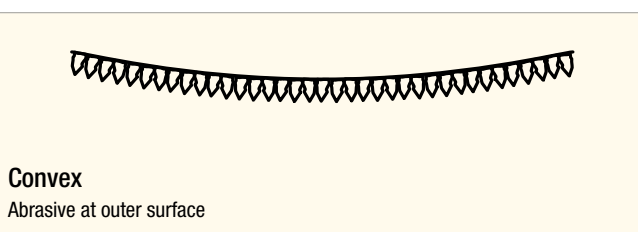
Temperature and humidity in storage conditions can cause the coated abrasive to curl over time.

Convex curl may occur if the air is less nematic than the backing material.

Concave curling can occur if the air is more nematic than the backing material.

Observe the following for storage conditions;

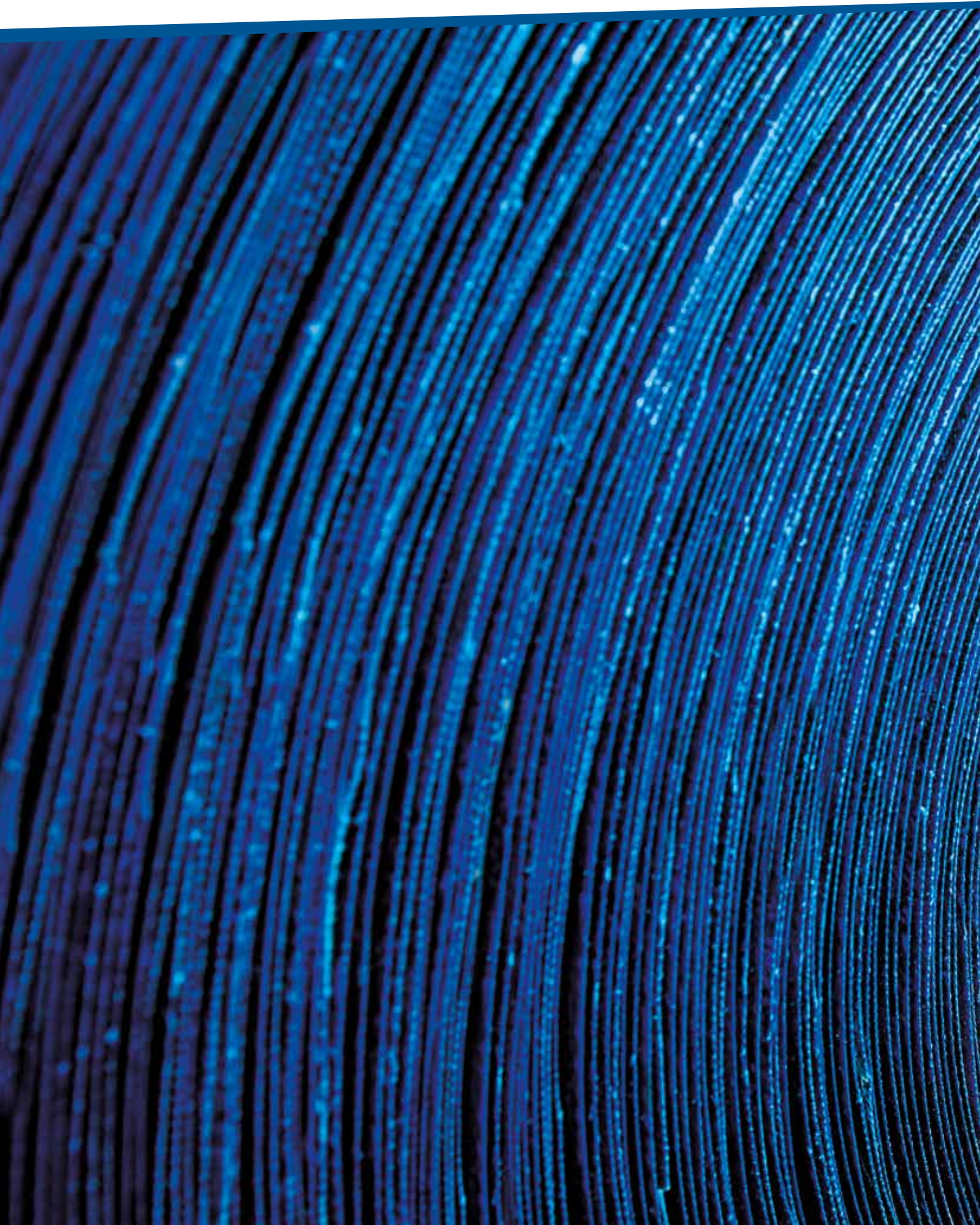
- Coated abrasives should not be stored in open areas for long time.
- Direct sunlight should be avoided where there are sudden changes in temperature and humidity levels.
- Extra precautions should be taken during seasonal changes of sudden temperature changes.
- The ideal storage condition is 45-65% at humidity level and 15-25 °C at temperature level.



Abrasive	Backing	Bond	Coating	Version	Abrasive	Backing	Bond	Coating	Version	Jumbo Width (mm)	Status																								
											Grit Range	16	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400	500	600	800	1000	1200	1500	2000	
A	H	R	3	1	A0	Polyester Film	Resin Over Resin	Stearat & Semi-Open	Std.	1380	40-2000				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
A	C	R	3	1	A0	C Weight Paper		Stearat & Open	Std.	1440	40-1200				○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
A	F	R	7	1	A0	F Weight Paper		Antistatic & Closed	Std.	1650	40-600				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
C	F	R	9	1	SC			Antistatic & Semi-Open	Std.	1650	40-800				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
Z	F	R	9	1	ZR			Antistatic & Semi-Open	Std.	1650	40-320				●	●	●	●	●	●	●	●	●	●	●	●	●	●							
CE	F	R	9	1	CE			Antistatic & Semi-Open	Std.	1650	24-120	●	●	●	●	●	●	●	●	●	●														
A	J	R	1	2	A0	J Cotton Cloth		Closed	Ver.	1650	40-320				●	●	●	●	●	●	●	●	●	●	●	●	●	●							
A	JF	R	1	2	A0	J Flexible Cotton Cloth		Closed	Ver.	1650	60-600					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
A	JF	R	1	1	A0			Topsize & Closed	Std.	1650	60-600						●	●	○	●	●	●	●	●	●	●	●	●	○						
A	JF	R	1	3	A0	J Flexible Poly-Cotton Cloth		Closed	Ver.	1650	80-600					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
A	JF	R	1	0	A0			Topsize & Closed	Ver.	1650	60-600					●	●	●	●	●	●	●	●	●	●	●	●	●	○						
C	JF	R	1	1	SC			Closed	Std.	1650	60-600					●	●	●	●	●	●	●		●	●		○								
CE	F		5	1	CE			Topsize & Closed	Std.	1650	60-220					●	●	●	●	●	●	●													
A	XF	R	1	1	A0	X Semi Flexible Cotton Cloth		Closed	Std.	1650	40-80				●	●	●																		
A	XF	R	1	2	A0			Closed	Ver.	1650	40-400					●	●	●	●	●	●	●	●	●	●	●	●	●							
A	X	OP	2	1	A0	X Cotton Cloth		Semi-Open	Std.	1650	16-400	●	●	●	●	●	●	●	●	○	●	○	●	○	●	●									
A	XE	R	1	1	A0	X Heavy Cotton Cloth		Closed	Std.	1650	40-120				●	●	●	●	●																
Z	X	R	1	1	ZR			Closed	Std.	1650	24-120	●	●	●	●	●	●	●	●	●															
Z	X	R	1	2	ZR			Closed	Ver.	1650	36-120					●	●	●	●	●	●														
A	XP	R	1	1	A0	X Heavy Poly-Cotton Cloth		Closed	Std.	1650	36-240				●	●	●	●	●	●	●	●	○												
Z	XP	R	1	1	ZR			Closed	Std.	1650	24-120	●	●	●	●	●	●	●	●	●	●														
Z	XP	R	2	2	ZR	Y Poly-Cotton Cloth		Closed	Ver.	1650	24-120	●	●	●	●	●	●	●	●	●															
CE	Y		5	1	CE			Topsize & Closed	Std.	1650	36-80					●	●	●	●																
A	YX	R	1	1	A0	YY Polyester Cloth		Closed	Std.	1650	16-600	○	○	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
C	YX	R	1	1	SC			Closed	Std.	1650	16-320	●	○	●	●	●	●	●	●	●	●	○		○											
Z	YY	R	1	1	ZR			Closed	Std.	1650	24-150	●	●	●	●	●	●	●	●	●															
Z	YY	R	5	1	ZR			Topsize & Closed	Std.	1650	36-120					●	●	●	●	○	●														
CE	YY	R	2	1	CE			Semi-Open	Std.	1650	24-120	●	●	●	●	●	●	●	●	●															
CE	YY	R	5	1	CE			Topsize & Closed	Std.	1650	24-120	●	●	●	●	●	●	●	●	●															
CE	YY	R	5	2	CE			Topsize & Closed	Ver.	1650	36-80					●	●	●	●																
AG	YY	R	2	1	AG			Semi-Open	Std.	1650	80-600						●	●	●	●	●	●	●	●	●	●	●	●	●						
AG	YY	R	2	4	AG			Semi-Open	Ver.	1650	80-600						●	●	●	●	●	●	○	○		○									
C	Z	R	7	1	SC	Z Polyester Cloth		Antistatic & Closed	Std.	1650	40-180				●	●	●	●	●	●	●														
A	WE	R	1	1	A0	Vulcanized Fibre		Closed	Std.	1650	24-120	●	●	●	●	●	●	●	●	●															
A	W	R	1	1	A0			Closed	Std.	1650	24-120	●	●	●	●	●	●	●	●	●															
Z	W	R	1	1	ZR			Closed	Std.	1650	24-120	●	●	●	●	●	●	●	●	●															
Z	W	R	5	1	ZR			Topsize & Closed	Std.	1650	24-120	●	●	●	●	●	●	●	●	●															
CE		R	5	1	CE			Topsize & Closed	Std.	1650	24-120	●	●	●	●	●	●	●	●	●															

Product Forms												Application Method										Application Area										Features								
Jumbo	Segmented Belt	Wide Belt	Narrow Belt	Roll	Sheet	Disc	Hook & Loop Disc	Flap Wheel	Flap Disc	Fibre Disc	Quick Lock Disc	Polishing	Belt	Hand Use	Wide Belt	Mini Belt	Flap Wheel Machine	Floor Sanding	Orbital Sander	Hand Grinder	Mini Disc Sander	Wood	Low Alloy Steel	Stainless Steel / Inox	High Alloy Steel / Heat Resistant Steel	Aluminium / Zamak	Brass / Copper / Non Ferrous Metals	Paint / Varnish / Lacquer	Plastic / Rubber / Leather	Cast Iron	Glass / Stone / Granite / Ceramic	ANTI-STATIC	Suitable for Wet Applications	Friction & Heat Absorbant	Anti-Clogging	Flexible for Curved Surfaces	Easily Tearable by Hand	Tear Resistant		
																																								
•							•												•					•	•									•					•	
•							•												•				•						•	•					•					
•	•	•	•	•	•	•	•					•	•	•	•			•	•			•	•	•									•							
•	•	•	•	•	•	•	•						•	•	•			•	•			•				•	•					•								
•	•	•	•	•	•	•	•						•	•	•			•	•			•	•	•	•	•														
•	•	•	•	•	•	•	•						•	•	•			•	•			•	•	•	•	•														
•				•	•							•		•								•	•															•	•	
•			•	•	•							•	•	•								•	•	•			•	•		•	•							•	•	
•			•	•	•							•	•	•								•	•	•	•													•	•	
•			•	•	•							•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•	•													•	•	
•			•	•								•	•	•								•	•	•</																

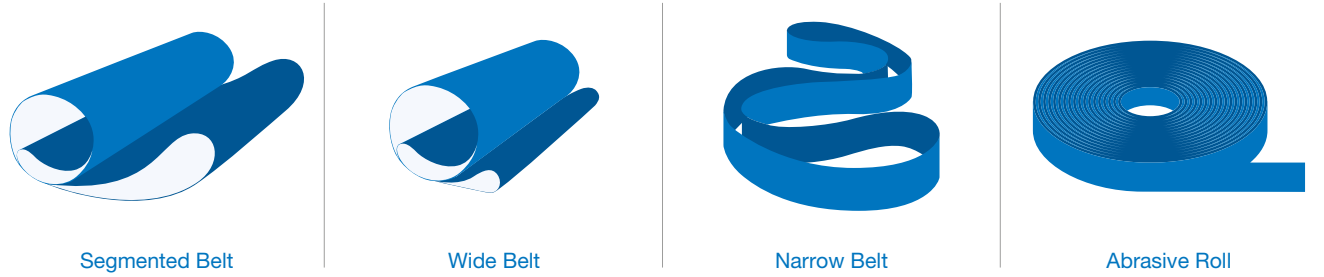
Abrasive Belts & Rolls



Coated abrasives are served as rolls and endless belts in desired dimensions and also as well as jumbo rolls.

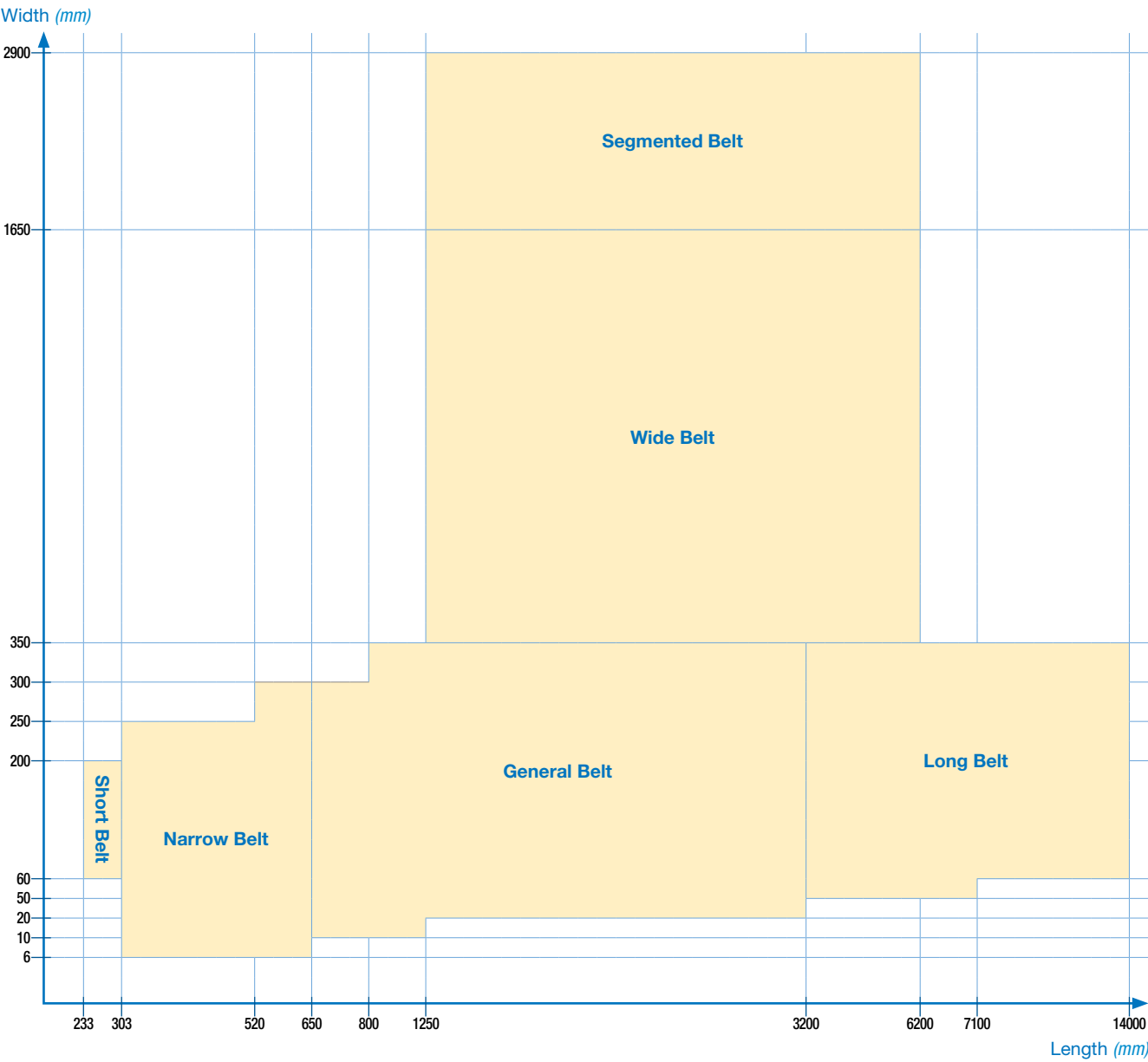


Dimensions



Endless belts can be produced in a wide range, width from 6mm to 2.600mm and length from 233mm to 14.000mm. Abrasive rolls can be produced in a wide range, width from 10mm to 1.650mm as jumbo roll width. Endless belt length is the total length in open form. Jumbo products generally produced in 1.650mm width (and in 50 meters or 100 meters) are calculated in m² (*squaremeters*). Abrasive rolls are generally produced in 50 meters length and calculated in lm (*linear meters*). Endless belts are calculated in quantities. Dimensions are given with length at first and width at second (*Eg.: 610mmx100mm*).

Endless Belt Dimension Graphic



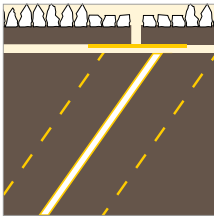
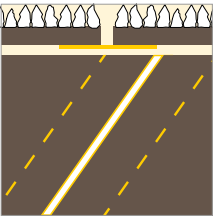
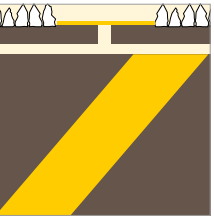
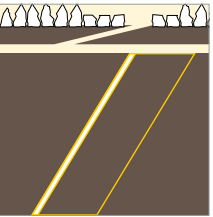
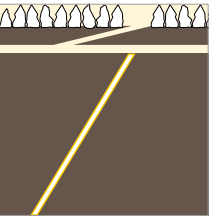
Joint Forms

Endless belts joint forms differ depending on the backing, width and grit size.

Narrow Belt

Backing	Width		Joint Type		
	Narrow Belt		With Film		
	6 - 19	20 - 350	6 - Straight <i>Foil at The Bottom, Grit Zone Ground Off</i> 16-80 Grit	2 - Straight <i>Foil at The Bottom</i> 100+ Grit	1 - Zigzag <i>Foil at The Bottom</i>
Cloth	•		•	•	
		•	•	•	•
Paper		•	•	•	

Wide & Segmented Belts

Backing	Width		Joint Type				
	Wide Belt	Segmented Belt*	With Film			5 - Straight Overlap <i>Grit Zone Ground Off</i>	4 - Straight Overlap <i>Standard Joint</i>
			6 - Straight <i>Foil at The Bottom, Grit Zone Ground Off</i> 16-80 Grit	2 - Straight <i>Foil at The Bottom</i> 100+ Grit	3 - Straight <i>Foil at The Top</i>		
Cloth	351 - 1650	1651 - 2700					
	•	•	•	•	•		
Paper	•	•				•	•

* For cloth backing only CZR71 is suitable.

Safety Pictograms



Wear Eye
Protection



Wear Ear
Protection



Wear a Mask



Wear Protection
Gloves

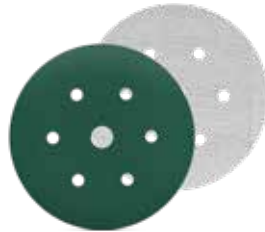
Polyester Film

AHR31

Abrasive	: Aluminum Oxide
Backing	: Polyester Film
Bond	: Resin Over Resin
Coating	: Stearate & Semi-Open
Grit Range	: 40-2000
Features	: Ideal for sanding various types of surfaces in automotive, paint, marine and stainless steel sectors. Polyester film backing with semi open coated Aluminum Oxide abrasive, also with anti-clogging Stearate coating which allows faster cutting, long lifetime and constant grinding. Ideal for sanding paint and primer in automotive industry. Suitable for dry and wet applications. Tear resistant.



			40	60	80	100	120	150	180	220	240	280	320	400	500	600	800	1000	1200	1500	2000
--	--	--	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------



Hook & Loop Disc



Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

C Weight Paper

ACR31



Abrasive	: Aluminum Oxide
Backing	: C Weight Paper
Bond	: Resin Over Resin
Coating	: Stearate & Open
Grit Range	: 40-1200
Features	: Ideal for sanding undercoated, painted and varnished surfaces in wood, automotive, paint and marine sectors. C weight paper backing with open coated Aluminum Oxide abrasive, also with anti-clogging Stearate coating which allows long lifetime and constant grinding.

				40		60	80	100	120	150	180	220	240	280	320	400	500	600	800	1000	1200		
--	--	--	--	----	--	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	--	--



Hook & Loop Disc



Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

AFR71[illegible]

Product Form	
Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method	
Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	•ANTI-STATIC
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	



F Weight Paper

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

CFR91

Abrasive	: Silicon Carbide
Backing	: F Weight Paper
Bond	: Resin Over Resin
Coating	: Antistatic & Semi-Open
Grit Range	: 40-800
Features	: Ideal for wood in wide belts, rolls and hook&loop discs. Antistatic F weight paper and also antistatic coating (which prevents the sticking of dust) with semi-open coated Silicon Carbide abrasive.



			40	60	80	100	120	150	180	220	240	280	320	400	600	800				
--	--	--	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--	--	--	--



Segmented Belt



Wide Belt



Narrow Belt



Roll



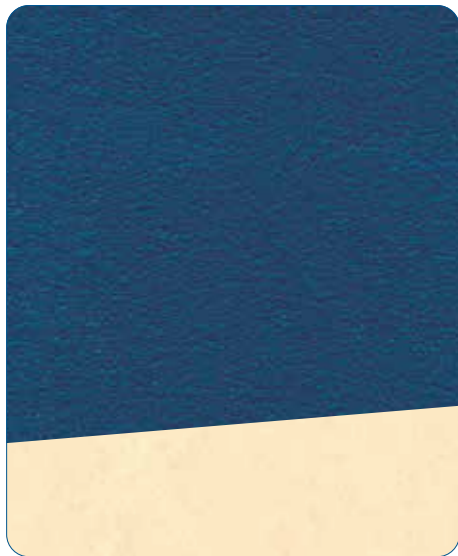
Disc



Hook & Loop Disc



F Weight Paper



ZFR91

Abrasive	: Zirconia
Backing	: F Weight Paper
Bond	: Resin Over Resin
Coating	: Antistatic & Semi-Open
Grit Range	: 40-320
Features	: Ideal for low alloy steel, stainless steel and wood in wide belts, rolls and hook&loop discs. Antistatic F weight paper and also antistatic coating (which prevents the sticking of dust) with semi-open coated Zirconia abrasive.

[illegible]

Segmented Belt



Wide Belt



Narrow Belt



Roll



Disc



Hook & Loop Disc



Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	ANTI-STATIC
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

F Weight Paper

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

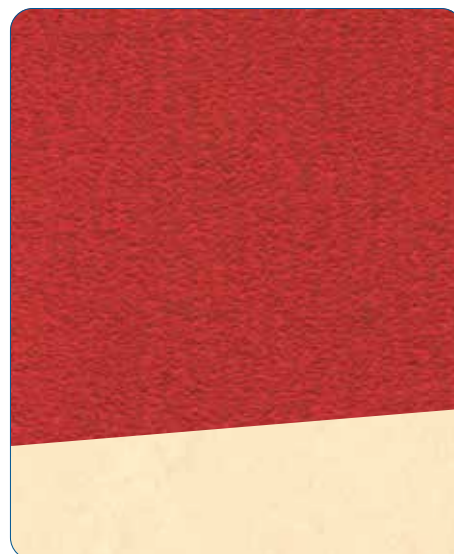
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

CEFR91

Abrasive	: Ceramic
Backing	: F Weight Paper
Bond	: Resin Over Resin
Coating	: Antistatic & Semi-Open
Grit Range	: 24-120
Features	: Ideal for low alloy steel, stainless steel, high alloy steel, heat resistant steel and wood in wide belts, rolls and hook&loop discs. Antistatic F weight paper and also antistatic coating (which prevents the sticking of dust) with semi-open coated Ceramic abrasive.

[illegible]

Segmented Belt



Wide Belt



Narrow Belt



Roll



Disc



Hook & Loop Disc



AJR12

[illegible]

Roll



Shop Roll



Sheet



Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	



AJFR11

Abrasive	: Aluminum Oxide
Backing	: J Flexible Cotton Cloth
Bond	: Resin Over Resin
Coating	: Topsize & Closed
Grit Range	: 60-600
Features	: Ideal for low alloy steel, stainless steel, brass, copper and non ferrous metal in narrow belts and rolls. J flexible cotton cloth backing with Aluminum Oxide abrasive, also with friction and heat resistant Topsize coating. Flexible structure, ideal for medical devices, kitchen accessories and relevant sectors. Easily tearable by hand.

[illegible]

Narrow Belt



Roll



Sheet



Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

J Flexible Poly-Cotton Cloth

AJFR13

Product Form	
Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Abrasive	: Aluminum Oxide
Backing	: J Flexible Poly-Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 80-600
Features	: Ideal for low alloy steel, stainless steel, high alloy steel, heat resistant steel, aluminium and zamak in narrow belts and rolls. J flexible poly-cotton cloth backing with Aluminum Oxide abrasive. Flexible structure, ideal for furniture accessories, hardware, handles, kitchen accessories and relevant sectors.



Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Innox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

-ANTI-STATIC-	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

[illegible]

Narrow Belt



Roll



J Flexible Poly-Cotton Cloth



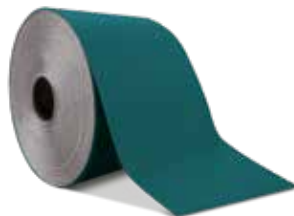
AJFR10

Abrasive	: Aluminum Oxide
Backing	: J Flexible Poly-Cotton Cloth
Bond	: Resin Over Resin
Coating	: Topsize & Closed
Grit Range	: 60-600
Features	: Ideal for low alloy steel, stainless steel, high alloy steel, heat resistant steel and cast iron in narrow belts and rolls. J flexible poly-cotton cloth backing with Aluminum Oxide abrasive, also with friction and heat resistant Topsize coating. Flexible structure, ideal for furniture accessories, hardware, handles, kitchen accessories and relevant sectors.

						60	80	100	120	150	180	220	240	280	320	400		600						
--	--	--	--	--	--	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--	-----	--	--	--	--	--	--



Narrow Belt



Roll



Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

J Flexible Poly-Cotton Cloth

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast iron	
Glass / Stone / Granite / Ceramic	

Features

ANTI-STATIC	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

CJFR11

Abrasive	: Silicon Carbide
Backing	: J Flexible Poly-Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 60-600
Features	: Ideal for brass, copper, non ferrous steel, aluminium and zamak in narrow belts and rolls. J flexible poly-cotton cloth backing with Silicon Carbide abrasive. Flexible structure, ideal for armature, valve and relevant sectors.

[illegible]

Narrow Belt



Roll



J Flexible Poly-Cotton Cloth



CEF51

Abrasive	: Ceramic
Backing	: J Flexible Poly-Cotton Cloth
Bond	: Resin Over Resin
Coating	: Topsize & Closed
Grit Range	: 60-220
Features	: Ideal for stainless steel, high alloy steel, heat resistant steel and cast iron in narrow belts and rolls. J flexible poly-cotton cloth backing with Ceramic abrasive, also with friction and heat resistant Top-size coating. Flexible structure, ideal for industrial kitchen accessories, medical devices, precision casting and relevant sectors.

[illegible]

Narrow Belt



Roll



Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

X Semi Flexible Cotton Cloth

AXFR11

Product Form	
Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Abrasive	: Aluminum Oxide
Backing	: X Semi Flexible Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 40-80
Features	: Ideal for sanding low alloy steel, stainless steel, rubber, plastic and leather in narrow belts, rolls and flap wheels with spindle. X semi flexible cotton cloth backing with Aluminum Oxide abrasive. Flexible structure with long life. Easily tearable by hand.



Application Method

[illegible]

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	



Narrow Belt



Roll



Flap Wheel With Spindle

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	ANTI-STATIC
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	





Abrasive	: Aluminum Oxide
Backing	: X Semi Flexible Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 40-400
Features	: Ideal for sanding low alloy steel, stainless steel, rubber, plastic and leather in narrow belts, rolls and flap wheels with spindle and with flange. X semi flexible cotton cloth backing with Aluminum Oxide abrasive. Flexible structure with long life. Easily tearable by hand.

[illegible]

Narrow Belt



Roll



Flap Wheel With Spindle



Flap Wheel With Flange



Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Wood	
Low Alloy Steel	
Stainless Steel / Innox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zarnak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

X Cotton Cloth

AXOP21

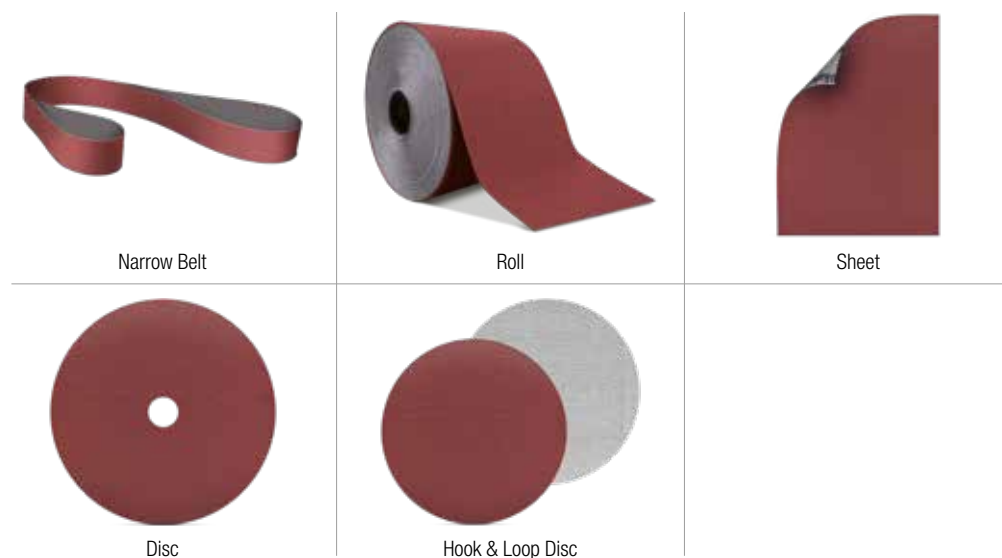
Product Form	
Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Abrasive	: Aluminum Oxide
Backing	: X Cotton Cloth
Bond	: Resin Over Resin
Coating	: Semi-Open
Grit Range	: 16-400
Features	: Ideal for sanding wood, aluminium, zam- ak and low alloy steel in narrow belts, rolls and hook&loop discs. X standard cotton cloth backing with Semi-Open coated Aluminum Oxide abrasive.



Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

[illegible]Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	



**AXER11**

Abrasive	: Aluminum Oxide
Backing	: X Heavy Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 40-120
Features	: Ideal for sanding low alloy steel, aluminum, zamak, non ferrous steel and wood in wide belt, narrow belt, rolls and flap discs. X heavy cotton cloth backing with Aluminum Oxide abrasive.

[illegible]

Wide Belt



Narrow Belt



Roll



Flap Disc



Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Antistatic Feature	ANTI-STATIC
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

X Heavy Cotton Cloth

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Innox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	ANTI-STATIC
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

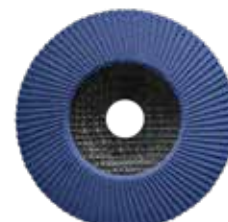
Abrasive	: Zirconia
Backing	: X Heavy Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 24-120
Features	: Ideal for sanding stainless steel and low alloy steel in narrow belts, rolls, hook&loop discs, flap discs and flap wheels. X heavy cotton cloth backing with aggressive Zirconia abrasive.

[illegible]

Narrow Belt



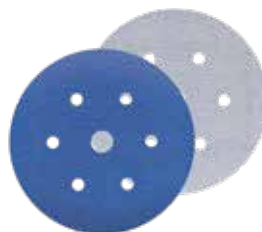
Roll



Flap Disc



Disc



Hook & Loop Disc



Flap Wheel





ZXR12

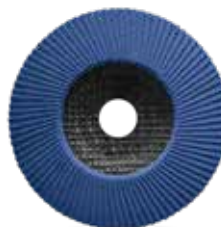
Abrasive	: Zirconia
Backing	: X Heavy Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 36-120
Features	: Ideal for sanding stainless steel and low alloy steel in narrow belts, rolls, hook&loop discs, flap discs and flap wheels. X heavy cotton cloth backing with Zirconia abrasive.

[illegible]

Narrow Belt



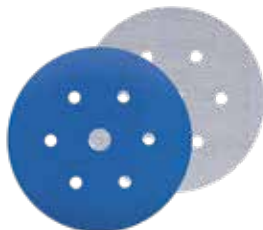
Roll



Flap Disc



Disc



Hook & Loop Disc



Flap Wheel



Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

X Heavy Poly-Cotton Cloth



ZXPR11

Abrasive	: Zirconia
Backing	: X Heavy Poly-Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 24-120
Features	: Ideal for sanding low alloy steel, stainless steel, high alloy steel, heat resistant steel, cast iron and wood in wide belts, narrow belts, rolls and flap discs.
	: X heavy poly-cotton cloth backing with Zirconia abrasive.

24 36 40 50 60 80 100 120



Wide Belt



Narrow Belt



Roll



Flap Disc



Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

Y Poly-Cotton Cloth

ZXPR22



Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Abrasive	: Zirconia
Backing	: Y Poly-Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 24-120
Features	: Ideal for sanding low alloy steel, stainless steel, high alloy steel, heat resistant steel, cast iron and parquet in narrow belts, rolls and flap discs. High stock removal and long life with Y poly-cotton cloth backing and 100% Zirconia abrasive.

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

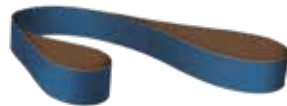
Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

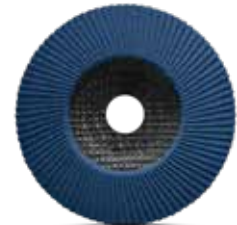
24 36 40 50 60 80 100 120



Narrow Belt



Roll



Flap Disc



Y Poly-Cotton Cloth



CEY51

Abrasive	: Ceramic
Backing	: Y Poly-Cotton Cloth
Bond	: Resin Over Resin
Coating	: Topsize & Closed
Grit Range	: 36-80
Features	: Ideal for sanding stainless steel, high alloy steel, heat resistant steel and cast iron in narrow belts, rolls and flap discs. Y poly-cotton cloth backing with Ceramic abrasive, also with friction and heat resistant Topsize coating.

[illegible]

Narrow Belt



Roll



Flap Disc



Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

YY Polyester Cloth

AYXR11



Abrasive	: Aluminum Oxide
Backing	: YY Polyester Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 16-600
Features	: Ideal for sanding low alloy steel, stainless steel, high alloy steels, heat resistant steels, plastic, leather, rubber and wood in wide belts, narrow belts, rolls, hook&loop discs and quick lock disc. YY polyester cloth backing with aggressive Aluminum Oxide abrasive. Suitable for wet applications.

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

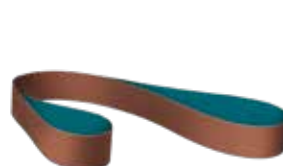
Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

16	24	36	40	60	80	100	120	150	180	220	240	280	320	400	500	600					
----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--	--	--	--	--



Wide Belt



Narrow Belt



Roll



Disc



Hook & Loop Disc

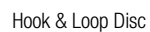
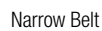


Quick Lock Disc





24	36	40	50	60	80	100	120	150
----	----	----	----	----	----	-----	-----	-----



Application Method

Application Area

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

YY Polyester Cloth

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

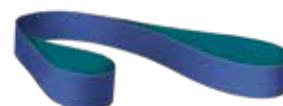
Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

ZYR51

Abrasive	: Zirconia
Backing	: YY Polyester Cloth
Bond	: Resin Over Resin
Coating	: Topsize & Closed
Grit Range	: 36-120
Features	: Ideal for sanding stainless steel, high alloy steel, heat resistant steel and cast iron materials in wide belts, narrow belts, rolls and quick lock disc. High stock removal and long life with YY polyester cloth backing with 100% Zirconia abrasive, also with friction and heat resistant Topsize coating. Suitable for wet applications.

[illegible]

Wide Belt



Narrow Belt



Roll



Quick Lock Disc



YY Polyester Cloth



CYXR11

Abrasive	: Silicon Carbide
Backing	: YY Polyester Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 16-320
Features	: Ideal for sanding glass, stone, granite, ceramic, wood, brass, copper and non ferrous metals in wide belts, narrow belts and rolls; ideal for floor sanding. YY polyester cloth backing with Silicon Carbide abrasive. Suitable for wet applications.

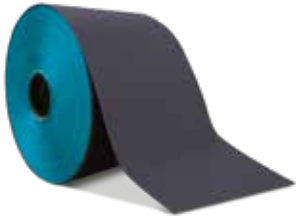
16	24	36	40	60	80	100	120	150	180	240	320								
----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	--	--	--	--	--	--	--	--



Wide Belt



Narrow Belt



Roll



Disc



Product Form	
Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	
Application Method	
Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	
Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	
Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

YY Polyester Cloth

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

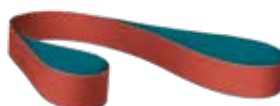
Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

Abrasive	: Ceramic
Backing	: YY Polyester Cloth
Bond	: Resin Over Resin
Coating	: Semi-Open
Grit Range	: 24-120
Features	: Ideal for sanding wooden floor, brass, copper and non ferrous metals in end-less belts, rolls and hook&loop discs. YY polyester cloth backing with Semi-Open coated Ceramic abrasive. Suitable for wet applications.

[illegible]

Wide Belt



Narrow Belt



Roll

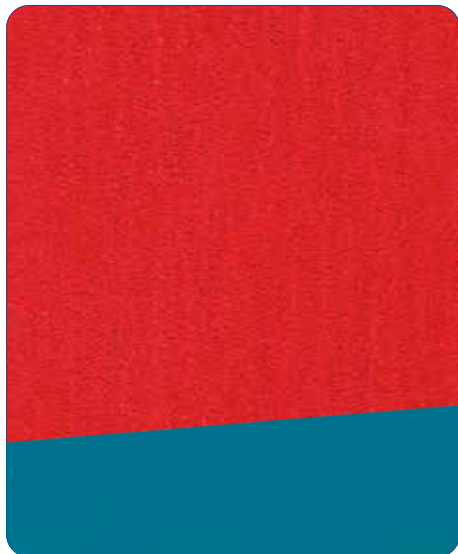


Disc



Hook & Loop Disc





Abrasive	: Ceramic
Backing	: YY Polyester Cloth
Bond	: Resin Over Resin
Coating	: Topsize & Closed
Grit Range	: 24-120
Features	: Ideal for sanding low alloy steel, stainless steel, high alloy steel, heat resistant steel and cast iron in wide belts, narrow belts, rolls and quick lock disc. YY polyester cloth backing with Ceramic abrasive, also with friction and heat resistant Topsize coating. Suitable for wet applications.

24	36	40	50	60	80	100	120
----	----	----	----	----	----	-----	-----



Wide Belt



Narrow Belt



Roll



Quick Lock Disc



Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Wood	
Low Alloy Steel	
Stainless Steel / Innox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Antistatic Feature	ANTI-STATIC
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

YY Polyester Cloth

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

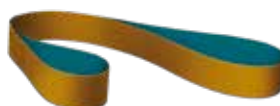
Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

Abrasive	: Ceramic and Zirconia
Backing	: YY Polyester Cloth
Bond	: Resin Over Resin
Coating	: Topsize & Closed
Grit Range	: 36-80
Features	: Ideal for heavy deburring and sanding low alloy steel, stainless steel, heat sensitive steel, cast iron in wide belts, narrow belts and rolls. YY polyester cloth backing with Ceramic and Zirconia abrasive, also with friction and heat resistant Topsize coating. Suitable for wet applications.

[illegible]

Wide Belt



Narrow Belt

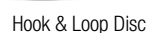


Roll





Product Form

+ANTI-
STATIC

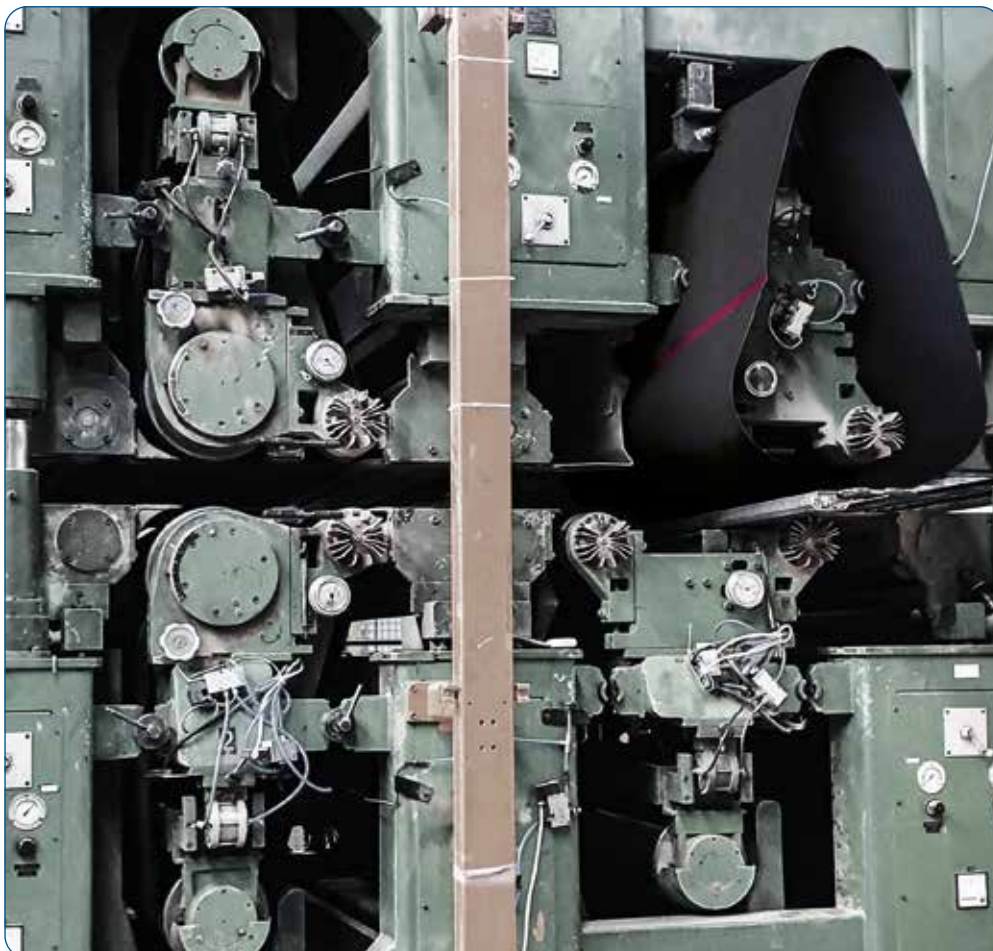
CZR71

[illegible]

Segmented Belt



Wide Belt



Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast iron	
Glass / Stone / Granite / Ceramic	

Antistatic Feature	ANTI-STATIC
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

Vulcanized Fibre

AWER11

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Abrasive	: Aluminum Oxide
Backing	: Vulcanized Fibre
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 24-120
Features	: Ideal for sanding metal, aluminium, zamak and wood in fibre discs. Vulcanized fibre backing with Aluminum Oxide abrasive.



Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

24	36	40	50	60	80	100	120												
----	----	----	----	----	----	-----	-----	--	--	--	--	--	--	--	--	--	--	--	--



Fibre Disc



Vulcanized Fibre



AWR11

Abrasive	: Aluminum Oxide
Backing	: Vulcanized Fibre
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 24-120
Features	: Ideal for sanding low alloy steel, stainless steel, aluminium, zamak and wood in fibre discs. Vulcanized fibre backing with Aluminum Oxide abrasive.

24 36 40 50 60 80 120



Fibre Disc



Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

Vulcanized Fibre

ZWR11

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Abrasive	: Zirconia
Backing	: Vulcanized Fibre
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 24-120
Features	: Ideal for sanding low alloy steel, stainless steel, high alloy steel, heat resistant steel, aluminium, zamak and cast iron in fibre discs. Vulcanized fibre backing with Zirconia abrasive.



Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

24

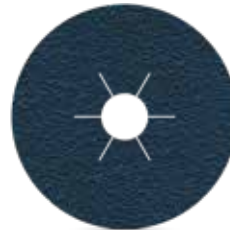
36

40

60

80

120



Fibre Disc





24	36	40	50	60	80		120
----	----	----	----	----	----	--	-----

+ANTI-
STATIC

Vulcanized Fibre

Product Form

Jumbo Roll	
Segmented Belt	
Wide Belt	
Narrow Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	
Quick Lock Disc	

Application Method

Polishing	
Endless Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	
Mini Disc Sander	

Application Area

Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Copper / Non Ferrous Metal	
Paint / Varnish / Lacquer	
Plastic / Rubber / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features

Antistatic Feature	
Suitable for Wet Applications	
Friction & Heat Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	
Tear Resistant	

CER51

Abrasive	: Ceramic
Backing	: Vulcanized Fibre
Bond	: Resin Over Resin
Coating	: Topsize & Closed
Grit Range	: 24-120
Features	: Ideal for sanding stainless steel, high alloy steel, heat resistant steel and cast iron in fibre discs. Vulcanized fibre backing with Ceramic abrasive and also with friction and heat resistant Topsize coating.

[illegible]

Fibre Disc



Flap Discs



Karbosan flap discs are offered in various types to meet different application needs.



Product Category Information

Karbosan flap discs are offered in various types to meet different application needs. Flap discs are served with a total of 10 different types of Aluminum Oxide, Zirconium and Ceramic abrasives, from 36 grit to 120 grit, from 100mm diameter to 180mm diameter, with various density types on conical and flat fiberglass backings.

Karbosan flap discs are divided into 3 main groups; **Comfort Line** with cotton abrasive backing, **Universal Line** and **Premium Line** with Polycotton abrasive backing; also composed of 3 different density types; low, standard and high.

Category	Abrasive	Product Code	Backing	LD Low Density	SD Standard Density	HD High Density
Comfort Line	AO Aluminum Oxide	AXER11	X Heavy Cotton Cloth			
	ZR Zirconia	ZXR11				
Universal Line	ZR Zirconia	ZXPR11				
Premium Line	AO Aluminum Oxide	AXPR11	X Heavy Poly-Cotton Cloth			
	100% ZR Zirconia	ZXPR22	Y Poly-Cotton Cloth			
	CE Ceramic	CEY51				
New Product	ZR Zirconia	ZXR12	X Heavy Cotton Cloth			

Backing Types

Fibre Glass



Plastic



Categories

Comfort Line

- Used for low pressure and low power operations
- 100% Cotton abrasive backing

Universal Line

- For medium to high pressure and power operations
- Polycotton abrasive backing resistant to heavy applications

Premium Line

- Used for high pressure and high power operations
- Polycotton abrasive backing resistant to heavy applications

Densities

LD Low Density



- Once adequate performance is needed
- Economical product with less flaps
- Reasonable price, suitable for personal use

SD Standard Density



- High stock removal operations
- Suitable for all application areas
- Favored in price - performance perspective

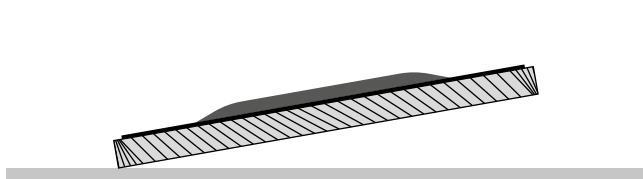
HD High Density



- Aggressive sanding of curved and wide surfaces
- Long life product with wider and more flaps
- Ideal for industrial heavy duty applications

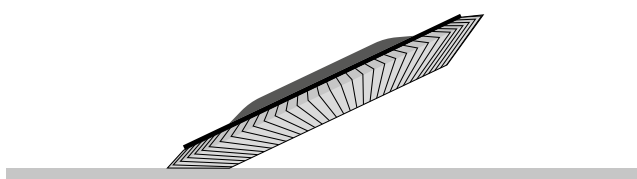
Types and Diameters

Flat Type



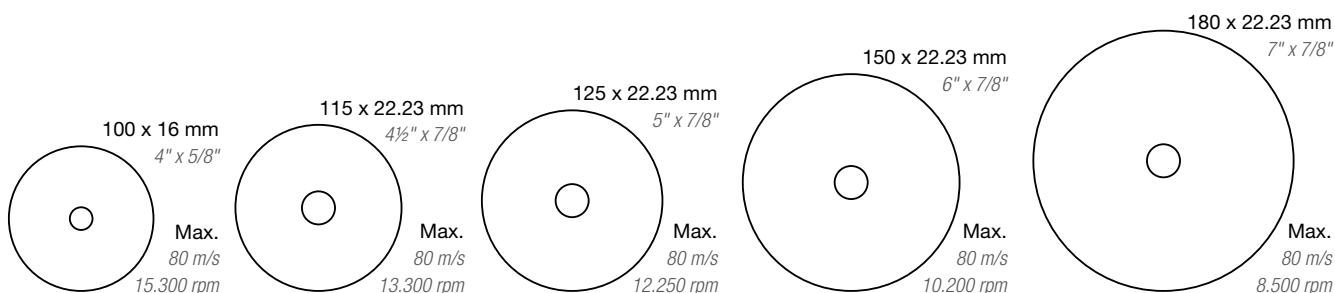
- Used in flat surfaces
- Ideal for blending and finishing
- Applied primarily between 0° to 15°

Conical Type



- Used in concave surfaces and edges
- High stock removal with best surface contact
- Applied primarily between 15° to 25°

Flap Disc Diameters



Advantages of Flap Discs

Advantages Against Grinding Discs

- Faster and easier stock removal
- Smoother finishing
- Cooler grinding with reduced adhesion and less lubricant
- Lighter equipment, easier control
- Less vibration, less operator fatigue, less noise

Advantages Against Fibre Discs

- Longer lifetime, lower cost
- Fewer disc changes, less labor cost
- More consistent finish
- No back-up pad required
- Easier storage and longer shelf life

Product Types

Comfort Line

ZR
Zirconia

Product Code

ZXR11

Backing

X Heavy Cotton Cloth

New Product

ZR
Zirconia

Product Code

ZXR12

Backing

X Heavy Cotton Cloth

Comfort Line

A0
Aluminum Oxide

Product Code

AXER11

Backing

X Heavy Cotton Cloth

Universal Line

ZR
Zirconia

Product Code

ZXPR11

Backing

X Heavy Poly-Cotton Cloth

Premium Line

CE
Ceramic

Product Code

CEY51

Backing

Y Poly-Cotton Cloth

Premium Line

A0
Aluminum Oxide

Product Code

AXPR11

Backing

X Heavy Poly-Cotton Cloth

Premium Line

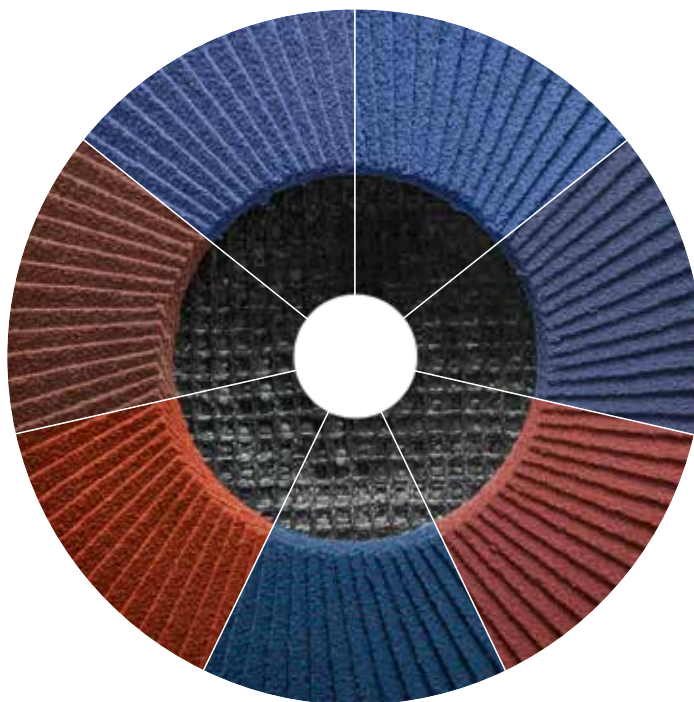
%100 ZR
Zirconia

Product Code

ZXPR22

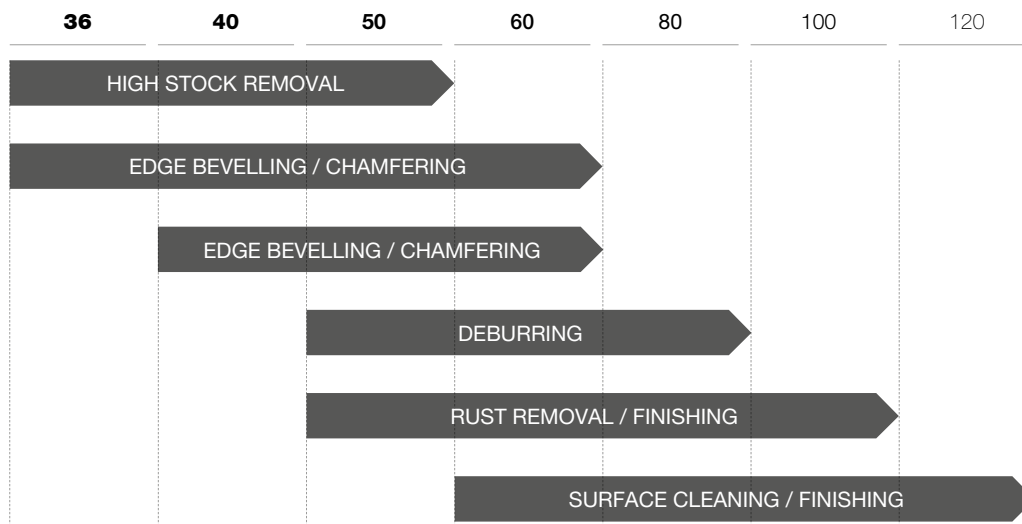
Backing

Y Poly-Cotton Cloth



Grit Size Application Guide

Coarse Grit Fine Grit



Application and Performance Table

- Perfect
- Suitable
- Possible

	Abrasive	Wood	Low Alloy Steel	Stainless Steel / Inox	High Alloy Steel / Heat Resistant Steel	Aluminium / Zamak	Brass / Copper / Non Ferrous Metal	Plastic / Rubber / Leather	Cast Iron	LD Low Density	SD Standard Density	HD High Density
Comfort Line	AO Aluminum Oxide AXER11	●●	●●●	●		●	●	●		Stock Removal ●○○○○	Stock Removal ●●○○○	
	ZR Zirconia ZXR11	●	●●●	●●●	●					Lifetime ●●○○○	Lifetime ●●○○○	
Universal Line	ZR Zirconia ZXP11		●●●	●●	●				●	Stock Removal ●●●○○	Stock Removal ●●●○○	
										Lifetime ●●●○○	Lifetime ●●●○○	
Premium Line	AO Aluminum Oxide AXPR11	●	●●●	●		●	●	●	●	Stock Removal ●●●○○	Stock Removal ●●●○○	
	%100 ZR Zirconia ZXP22		●●●	●	●●				●	Lifetime ●●●○○	Lifetime ●●●○○	
	CE Ceramic CEY51		●	●●●	●●●				●	Stock Removal ●●●○○	Stock Removal ●●●○○	
New Product	ZR Zirconia ZXR12	●	●●●	●●●	●					Lifetime ●●○○○	Lifetime ●●○○○	Lifetime ●●○○○
										Stock Removal ●●○○○	Stock Removal ●●○○○	Stock Removal ●●○○○

Label Information

Brand	Outer Information Strip											
Category												
Product Group												
Abrasive Type	Density											
Inner Information Strip	Grit Size and Flap Type											
Application Type	Article, Origin, Barcode and Website											
Dimensions	Information Pictogram											
Rotation and Speed Data	Standard Conformity and OSA Membership Logo											
Safety and Personal Protective Equipment Pictograms												



Comfort Line Flap Discs



AO *Comfort Line*
Aluminum Oxide **LD** Low Density



Stock Removal ● ○ ○ ○ ○
Lifetime ● ● ○ ○ ○

- Product Code : AXER11
Abrasive : Aluminum Oxide
Backing : X Heavy Cotton Cloth
Application : Multipurpose grinding for steel and metal.
Density : Less flap version Low Density flap discs are economic with required performance.

Type	Dimension (mm)	Peripheral Speed (m/s)	40	60	80	120	Box	M. Box
 Flat	115x22.23	80	981170	981180	981185	981195	10	120
	125x22.23		981330	981340	981345	981355	10	120
	180x22.23		981650	981660	981665	981675	10	80
 Conical	115x22.23	80	981210	981220	981225	981235	10	120
	125x22.23		981370	981380	981385	981395	10	120
	180x22.23		981690	981700	981705	981715	10	80



Comfort Line Flap Discs

AO *Comfort Line*

SD Standard Density

Aluminum Oxide



Stock Removal ●●●○○○
Lifetime ●●●○○○



Product Code : AXER11
Abrasive : Aluminum Oxide
Backing : X Heavy Cotton Cloth
Application : Multipurpose grinding for steel and metal.
Density : Optimum flap version Standard Density flap discs are preferred in high stock removal operations.

Type	Dimension (mm)	Peripheral Speed (m/s)	40	60	80	120	Box	M. Box
 Flat	100x16	80	981090	981100	981105	981115	10	120
	115x22.23		981250	981260	981265	981275	10	120
	125x22.23		981410	981420	981425	981435	10	120
	150x22.23		981570	981580	981585	981595	10	80
	180x22.23		981730	981740	981745	981755	10	80
 Conical	100x16	80	981130	981140	981145	981155	10	120
	115x22.23		981290	981300	981305	981315	10	120
	125x22.23		981450	981460	981465	981475	10	120
	150x22.23		981610	981620	981625	981635	10	80
	180x22.23		981770	981780	981785	981795	10	80



*Plastic Backing Pad option is available.



ZR

Comfort Line

LD Low Density



Stock Removal ●●●○○○
Lifetime ●●●○○○

Product Code : ZXR11
Abrasive : Zirconia
Backing : X Heavy Cotton Cloth
Application : Weld grinding, deburring and blending applications for steel and stainless steel (Inox).
Density : Less flap version Low Density flap discs are economic with required performance

Type	Dimension (mm)	Peripheral Speed (m/s)	24	36	40	50	60	80	100	120	Box	M. Box
Flat	115x22.23	80	982040	982045	982050	982055	982060	982065	982070	982075	10	120
	125x22.23		982280	982285	982290	982295	982300	982305	982310	982315	10	120
	180x22.23		982680	982685	982690	982695	982700	982705	982710	982715	10	80
Conical	115x22.23	80	982080	982085	982090	982095	982100	982105	982110	982115	10	120
	125x22.23		982320	982325	982330	982335	982340	982345	982350	982355	10	120
	180x22.23		982720	982725	982730	982735	982740	982745	982750	982755	10	80



Comfort Line Flap Discs

ZR *Comfort Line*
Zirconia

SD Standard
Density



Stock Removal ●●●○○○
Lifetime ●●●○○○

Product Code : ZXR11
Abrasive : Zirconia
Backing : X Heavy Cotton Cloth
Application : Weld grinding, deburring and blending applications for steel and stainless steel (Inox).
Density : Optimum flap version Standard Density flap discs are preferred in high stock removal operations.



Fe-S
< 0.1%
Iron and sulfur
less than 0.1%.

Type	Dimension (mm)	Peripheral Speed (m/s)	24	36	40	50	60	80	100	120	Box	M. Box
 Flat	100x16	80	981880	-	981890	-	981900	981905	-	981915	10	120
	115x22.23		982120	982125	982130	982135	982140	982145	982150	982155	10	120
	125x22.23		982360	982365	982370	982375	982380	982385	982390	982395	10	120
	180x22.23		982760	982765	982770	982775	982780	982785	982790	982795	10	80
 Conical	100x16	80	981920	-	981930	-	981940	981945	-	981955	10	120
	115x22.23		982160	982165	982170	982175	982180	982185	982190	982195	10	120
	125x22.23		982400	982405	982410	982415	982420	982425	982430	982435	10	120
	180x22.23		982800	982805	982810	982815	982820	982825	982830	982835	10	80



*Plastic Backing Pad option is available.

Comfort Line Flap Discs



ZR *Comfort Line*
Zirconia **HD** High Density



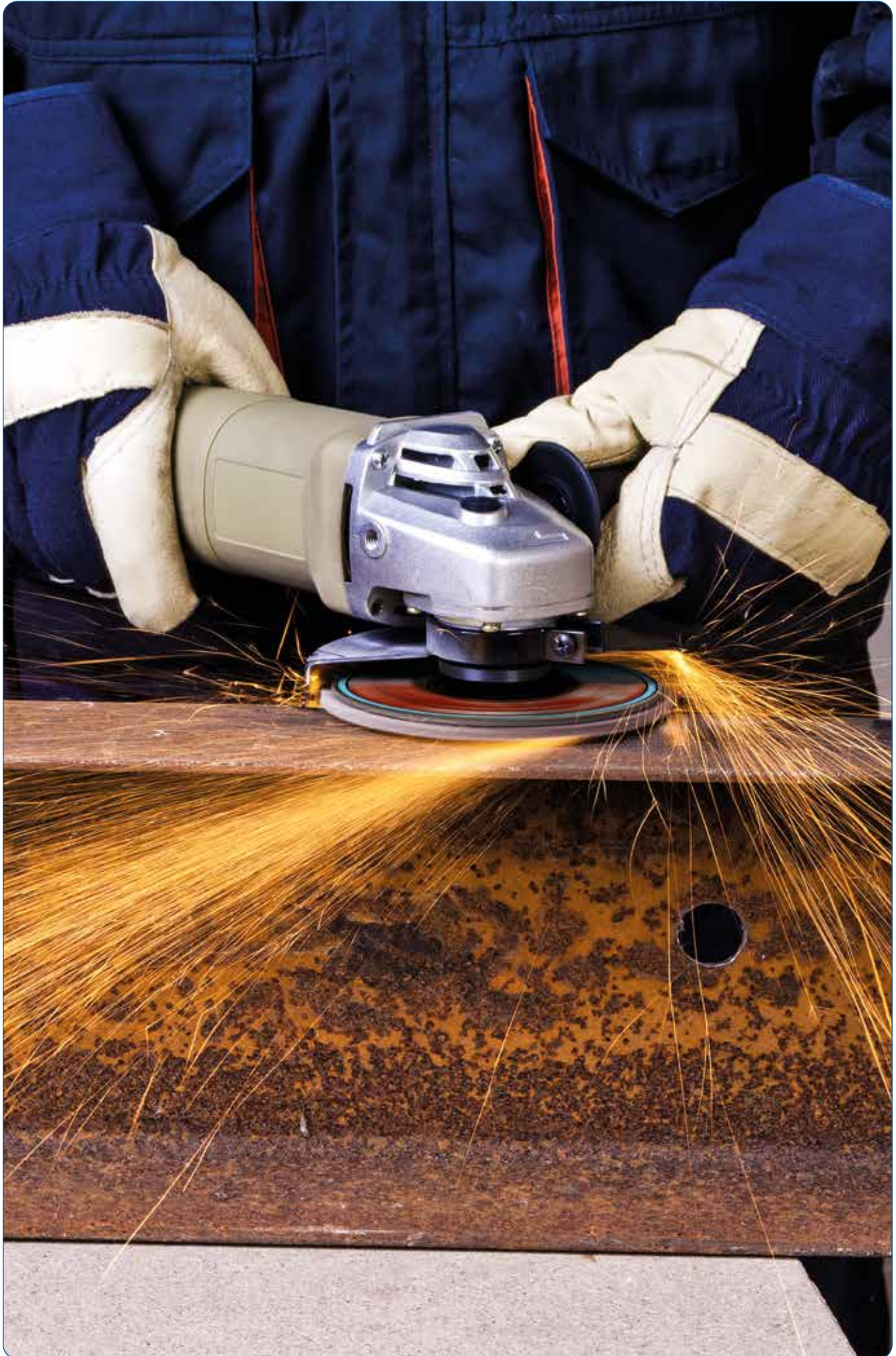
Stock Removal ●●●●○

Lifetime ●●●○●

Product Code : ZXR11
 Abrasive : Zirconia
 Backing : X Heavy Cotton Cloth
 Application : Weld grinding, deburring and blending applications for steel and stainless steel (Inox).
 Density : More flap version High Density flap discs are preferred in aggressive sanding of curved and wide surfaces.

Type	Dimension (mm)	Peripheral Speed (m/s)	24	36	40	50	60	80	100	120	Box	M. Box
 Flat	115x22.23	80	982200	-	982210	-	982220	982225	-	982235	10	120
	125x22.23		982440	-	982450	-	982460	982465	-	982475	10	120
	180x22.23		930746	-	930748	-	930753	930754	-	930756	10	80
 Conical	115x22.23	80	982240	-	982250	-	982260	982265	-	982275	10	120
	125x22.23		982480	-	982490	-	982500	982505	-	982515	10	120
	180x22.23		930768	-	930770	-	930772	930773	-	930775	10	80





Universal Line Flap Discs



ZR *Universal Line*
Zirconia

SD Standard Density



Stock Removal ●●●●○

Lifetime ●●●○●

Product Code : ZXPR11
 Abrasive : Zirconia
 Backing : X Heavy Poly-Cotton Cloth
 Application : Multipurpose aggressive grinding for steel, stainless steel (inox) and metal.
 Density : Optimum flap version Standard Density flap discs are preferred in high stock removal operations.

Type	Dimension (mm)	Peripheral Speed (m/s)	24	36	40	50	60	80	100	120	Box	M. Box
 Flat	100x16	80	952567	-	930130	-	930140	930150	-	930700	10	120
	115x22.23		952584	958978	930160	958984	930170	930180	958973	930710	10	120
	125x22.23		952600	959182	930190	-	930200	930210	959177	930720	10	120
	150x22.23		952616	-	931920	-	-	-	-	-	10	80
	180x22.23		952632	959311	930220	959316	930230	930240	959309	930730	10	80
 Conical	100x16	80	952576	-	930370	-	930380	930390	-	930660	10	120
	115x22.23		952592	932000	930400	959091	930410	930420	932030	930670	10	120
	125x22.23		952608	959249	930430	959257	930440	930450	959243	930680	10	120
	150x22.23		952624	-	931280	-	931250	931260	-	931290	10	80
	180x22.23		952640	932140	930460	959352	930470	930480	959341	930690	10	80



*Plastic Backing Pad option is available.

Premium Line Flap Discs

AO *Premium Line*
Aluminum Oxide

SD Standard Density



Stock Removal ●●●○○○
Lifetime ●●●○○○



Product Code : AXPR11
Abrasive : Aluminum Oxide
Backing : X Heavy Poly-Cotton Cloth
Application : Multipurpose aggressive grinding for steel and metal.
Density : Optimum flap version Standard Density flap discs are preferred in high stock removal operations.

Type	Dimension (mm)	Peripheral Speed (m/s)	36	40	60	80	100	120	150	180	220	240	Box	M. Box
 Flat	100x16	80	-	982850	982860	982865	-	982875	991419	991420	991421	997704	10	120
	115x22.23		982925	982930	982940	982945	982950	982955	991422	991423	991424	997705	10	120
	125x22.23		983005	983010	983020	983025	983030	983035	991425	991426	991427	997706	10	120
	180x22.23		983165	983170	983180	983185	983190	983195	991428	991429	991430	997707	10	80
 Conical	100x16	80	-	982890	982900	982905	-	982915	991431	991432	991433	997712	10	120
	115x22.23		982965	982970	982980	982985	982990	982995	991434	991435	991436	997711	10	120
	125x22.23		983045	983050	983060	983065	983070	983075	991437	991438	991439	997710	10	120
	180x22.23		983205	983210	983220	983225	983230	983235	991440	991441	991442	997709	10	80



*Plastic Backing Pad option is available.

Premium Line Flap Discs



100% Premium Line
ZR SD Standard Density
 Zirconia



Stock Removal ●●●●○
 Lifetime ●●●●○

Product Code : ZXPR22
 Abrasive : 100% Zirconia
 Backing : Y Poly-Cotton Cloth
 Application : Weld grinding, deburring and blending applications for metal, steel and stainless steel (Inox).
 Density : Optimum flap version Standard Density flap discs are preferred in high stock removal operations.

Type	Dimension (mm)	Peripheral Speed (m/s)	24	36	40	50	60	80	100	120	Box	M. Box
 Flat	100x16	80	983240	-	983250	-	983260	983265	-	983275	10	120
	115x22.23		983400	983405	983410	983415	983420	983425	983430	983435	10	120
	125x22.23		983560	983565	983570	983575	983580	983585	983590	983595	10	120
	150x22.23		983720	-	983730	-	983740	983745	-	983755	10	80
	180x22.23		983880	983885	983890	983895	983900	983905	983910	983915	10	80
 Conical	100x16	80	983280	-	983290	-	983300	983305	-	983315	10	120
	115x22.23		983440	983445	983450	983455	983460	983465	983470	983475	10	120
	125x22.23		983600	983605	983610	983615	983620	983625	983630	983635	10	120
	150x22.23		983760	-	983770	-	983780	983785	-	983795	10	80
	180x22.23		983920	983925	983930	983935	983940	983945	983950	983955	10	80



Premium Line Flap Discs

100% *Premium Line* ZR HD High Density Zirconia



Stock Removal ●●●●●●
Lifetime ●●●●○

- Product Code : ZXPR22
Abrasive : 100% Zirconia
Backing : Y Poly-Cotton Cloth
Application : Weld grinding, deburring and blending applications for steel and stainless steel (Inox).
Density : More flap version High Density flap discs are preferred in aggressive sanding of curved and wide surfaces.



Type	Dimension (mm)	Peripheral Speed (m/s)	24	36	40	50	60	80	100	120	Box	M. Box
 Flat	115x22.23	80	983480	-	983490	-	983500	983505	-	983515	10	120
	125x22.23		983640	-	983650	-	983660	983665	-	983675	10	120
	180x22.23		983960	-	983970	-	983980	983985	-	983995	10	80
 Conical	115x22.23	80	983520	-	983530	-	983540	983545	-	983555	10	120
	125x22.23		983680	-	983690	-	983700	983705	-	983715	10	120
	180x22.23		984000	-	984010	-	984020	984025	-	984035	10	80



*Plastic Backing Pad option is available.

Premium Line Flap Discs



Iron and sulfur
less than 0.1%.

CE Premium Line

SD Standard Density



Stock Removal ●●●●●●
Lifetime ●●●●●●

Product Code : CEY51
Abrasive : Ceramic
Backing : Y Poly-Cotton Cloth
Application : Suitable for hand tools operated with high pressure for stainless steel (Inox) and high alloy steel.
Density : Optimum flap version Standard Density flap discs are preferred in high stock removal operations.

Type	Dimension (mm)	Peripheral Speed (m/s)	36	40	60	80	Box	M. Box
 Flat	100x16	80	984045	984050	984060	984065	10	120
	115x22.23		984125	984130	984140	984145	10	120
	125x22.23		984205	984210	984220	984225	10	120
	150x22.23		984285	984290	984300	984305	10	80
	180x22.23		984365	984370	984380	984385	10	80
 Conical	100x16	80	984085	984090	984100	984105	10	120
	115x22.23		984165	984170	984180	984185	10	120
	125x22.23		984245	984250	984260	984265	10	120
	150x22.23		984325	984330	984340	984345	10	80
	180x22.23		984405	984410	984420	984425	10	80



*Plastic Backing Pad option is available.



Fibre Discs



Karbosan fibre discs are offered in various types to meet different application needs.



Product Category Information

Karbosan fibre discs are offered in various types to meet different application needs. Fibre discs are served with a total of 6 different types of Silicon Carbide, Aluminum Oxide, Zirconium and Ceramic abrasives. Generally from 16 grit to 120 grit, from 100mm diameter to 230mm diameter, with various types such as 4 slotted, 8 slotted, slitted, Round Hole and Depressed Round Hole.

Abrasive	Product Code	Backing	Feature	
AO^{ECO} Aluminum Oxide	AWER11	Vulcanized Fibre	Ideal for sanding metal, aluminium, zamak and wood materials, having economic vulcanized fibre backing and Aluminum Oxide abrasive grains.	
AO Aluminum Oxide	AWR11		Ideal for sanding low alloy steel, stainless steel (Inox), aluminium, zamak and wood materials, having standard vulcanized fibre backing and aggressive Aluminum Oxide abrasive grains.	
ZR Zirconia	ZWR11		Ideal for sanding low alloy steel, stainless steel (Inox), high alloy steel, heat resistant steel and cast iron materials having standard vulcanized fibre backing and aggressive Zirconia abrasive grains.	
ZR^{TOPSIZE} Zirconia	ZWR51		Ideal for sanding stainless steel (Inox), high alloy steel and heat resistant steel and cast iron materials, having standard vulcanized fibre backing and aggressive Zirconia abrasive grains, also heat absorbant Topsize.	
CE^{TOPSIZE} Ceramic	CER51		Ideal for sanding stainless steel (Inox), high alloy steel and heat resistant steel and cast iron materials, having thicker vulcanized fibre backing and aggressive Ceramic abrasive grains, also heat absorbant Topsize.	

Accessories

Fibre Disk Backing Pads

Karbosan Fibre Disc Backing Pads works with Vulcanized Fibre Discs to enhance performance, lifetime and comfort. With a smooth, consistent finish during grinding and sanding, Karbosan Fibre Disc Backing Pads also reduce vibration for operator comfort. It is available in different sizes with dimensions of 115 mm, 125 mm and 180 millimetres.



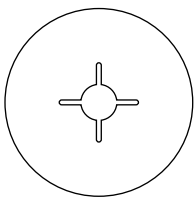
Application and Performance Table

●●● Perfect
 ●● Suitable
 ● Possible

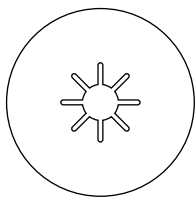
Abrasive	Wood	Low Alloy Steel	Stainless Steel / Inox	High Alloy Steel / Heat Resistant Steel	Aluminium / Zamak	Brass / Copper / Non Ferrous Metal	Cast Iron	Glass / Stone / Marble / Vitrified	Performance
AO^{ECO} Aluminum Oxide AWR11	●●●	●●	●	●	●●●	●			Stock Removal ●●●○○○ Lifetime ●●●○○○
AO Aluminum Oxide AWR11	●●●	●●●	●●	●●	●●●	●			Stock Removal ●●●○○○ Lifetime ●●●○○○
ZR Zirconia ZWR11		●●●	●●●	●●●	●		●●		Stock Removal ●●●●○○ Lifetime ●●●●○○
ZR^{TOPSIZE} Zirconia ZWR51		●●	●●●	●●●	●		●●●		Stock Removal ●●●●○○ Lifetime ●●●●●●
CE^{TOPSIZE} Ceramic CER51		●●	●●●	●●●	●●		●●●		Stock Removal ●●●●●● Lifetime ●●●●●●

Types and Diameters

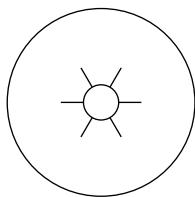
4 Slotted



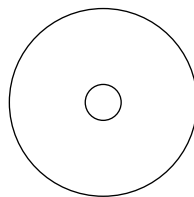
8 Slotted



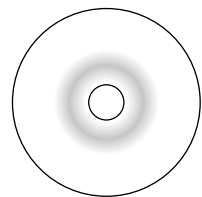
6 Slitted



Round Hole



Depressed Round Hole



Diameters

100 x 16 mm 4" x 5/8" Max. 80 m/s 15.300 rpm	115 x 22.23 mm 4½" x 7/8" Max. 80 m/s 13.300 rpm	125 x 22.23 mm 5" x 7/8" Max. 80 m/s 12.250 rpm	150 x 22.23 mm 6" x 7/8" Max. 80 m/s 10.200 rpm	180 x 22.23 mm 7" x 7/8" Max. 80 m/s 8.500 rpm	230 x 22.23 mm 9" x 7/8" Max. 80 m/s 6.650 rpm
--	--	---	---	--	--

Product Types

AO^{ECO}
Aluminum Oxide

Product Code

AWR11

Application Area

Wood, Low Alloy Steel, Aluminium, Zamak.

AO
Aluminum Oxide

Product Code

AWR11

Application Area

Wood, Low Alloy Steel, Aluminium, Zamak, Stainless Steel (Inox).

CE TOPSIZE
Ceramic

Product Code

CER51

Application Area

Stainless Steel (Inox), High Alloy Steel, Heat Resistant Steel, Cast Iron.

Feature

Topsized (Coating for heat absorbant)

ZR
Zirconia

Product Code

ZWR11

Application Area

Low Alloy Steel, Stainless Steel (Inox), High Alloy Steel, Heat Resistant Steel, Cast Iron.

ZR TOPSIZE
Zirconia

Product Code

ZWR51

Application Area

Stainless Steel (Inox), High Alloy Steel, Heat Resistant Steel, Cast Iron.

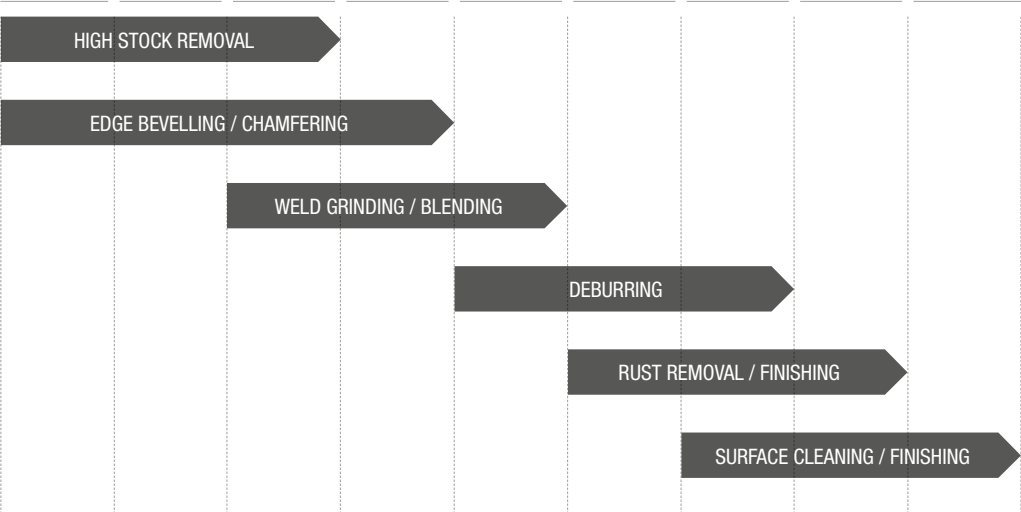
Feature

Topsized (Coating for heat absorbant)

Grit Size Application Guide

Coarse Grit  Fine Grit

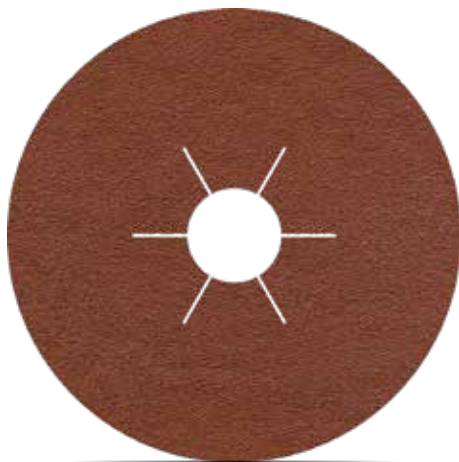
16 24 36 40 50 60 80 100 120



Product Backside Information



Aluminum Oxide Eco Fibre Discs



AO^{ECO}
Aluminum Oxide

Stock Removal ●●●○○○
Lifetime ●●●○○○

Product Code : AWER11
Abrasive : Aluminum Oxide
Backing : Vulcanized Fibre
Grit Range : 24-120
Application : Wood, Non Ferrous Metals, Aluminium, Zamak

Type	Dimension (mm)	24	36	40	50	60	80	100	120	Box	M. Box
 4 Slotted	100x16	985795	985801	985806	985812	985818	985824	985830	985836	50	200
	115x22.23	985796	903897	985807	985813	985819	985825	985831	985837	50	200
	125x22.23	985797	985802	985808	985814	985820	985826	985832	985838	50	200
	150x22.23	985798	985803	985809	985815	985821	985827	985833	985839	50	200
	180x22.23	985799	985804	985810	985816	985822	985828	985834	985840	50	200
	230x22.23	985800	985805	985811	985817	985823	985829	985835	985841	50	200
 6 Slitted	100x16	985902	985908	985914	985920	985926	985932	985938	985944	50	200
	115x22.23	985903	985909	985915	985921	985927	985933	985939	985945	50	200
	125x22.23	985904	985910	985916	985922	985928	985934	985940	985946	50	200
	150x22.23	985905	985911	985917	985923	985929	985935	985941	985947	50	200
	180x22.23	985906	985912	985918	985924	985930	985936	985942	985948	50	200
	230x22.23	985907	985913	985919	985925	985931	985937	985943	985949	50	200
 Round Hole	100x16	985955	985959	985963	985968	985974	985978	985982	985986	50	200
	115x22.23	958563	958564	958565	985969	958566	958567	958568	958569	50	200
	125x22.23	985956	985960	985964	985970	985975	985979	985983	985987	50	200
	150x22.23	985957	985961	985965	985971	985976	985980	985984	985988	50	200
	180x22.23	958719	958720	985966	985972	958721	958722	958723	958724	50	200
	230x22.23	985958	985962	985967	985973	985977	985981	985985	985989	50	200



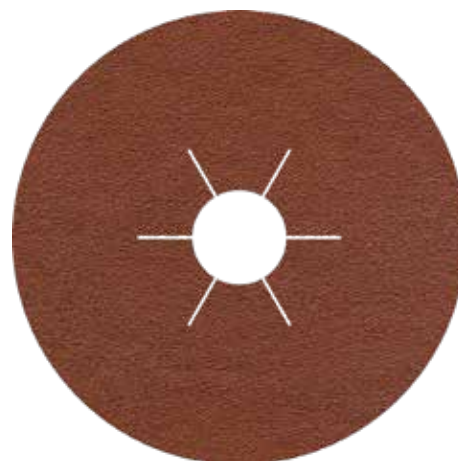
Aluminum Oxide Fibre Discs

AO

Aluminum Oxide

Stock Removal ●●●○○○
Lifetime ●●●○○○

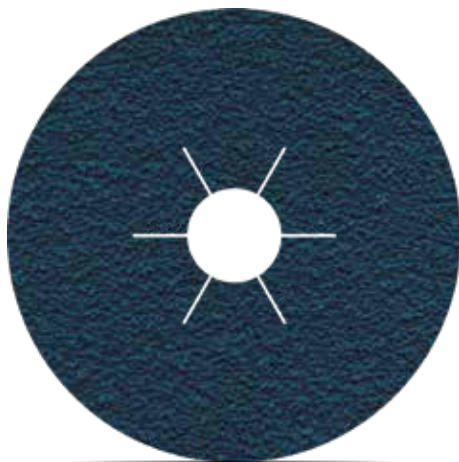
Product Code : AWR11
Abrasive : Aluminum Oxide
Backing : Vulcanized Fibre
Grit Range : 24-120
Application : Wood, Low Alloy Steel, Aluminium, Zamak, Stainless Steel (Inox)



Type	Dimension (mm)	24	36	40	50	60	80	120	Box	M. Box
 4 Slotted	100x16	958101	958102	984507	958103	984512	984515	984521	50	200
	115x22.23	958134	958135	958136	958137	958138	958139	958141	50	200
	125x22.23	958209	958210	958211	912822	958212	958213	958215	50	200
	150x22.23	984503	984505	984508	984510	984513	984516	984522	50	200
	180x22.23	912824	958271	958272	912113	958273	958274	958276	50	200
	230x22.23	984504	984506	984509	984511	984514	984517	984523	50	200
 6 Slitted	100x16	980142	980143	980144	912688	980145	980146	980147	50	200
	115x22.23	922320	922330	922340	922350	922360	922370	922380	50	200
	125x22.23	922400	922410	922420	922430	922440	922450	922460	50	200
	150x22.23	958386	958387	958388	984647	958389	958390	958391	50	200
	180x22.23	922480	922490	910195	922510	968132	922530	922540	50	200
	230x22.23	984644	984645	984646	984648	984649	984650	984654	50	200
 Round Hole	100x16	958475	958476	958477	958478	958479	958480	958482	50	200
	115x22.23	921020	921030	921040	921050	921060	921070	921080	50	200
	125x22.23	921100	921110	921120	921130	921140	921150	921160	50	200
	150x22.23	958642	958643	966817	966819	958644	966822	958646	50	200
	180x22.23	921180	921190	921200	921210	921220	921230	921240	50	200
	230x22.23	958768	958769	958770	958771	958772	966866	958774	50	200



Zirconia Fibre Discs



ZR

Zirconia

Stock Removal ●●●●○
Lifetime ●●●●○

Product Code : ZWR11
Abrasive : Zirconia
Backing : Vulcanized Fibre
Grit Range : 24-120
Application : Low Alloy Steel, Stainless Steel (Inox), High Alloy Steel, Heat Resistant Steel, Aluminium, Zamak, Cast Iron

Type	Dimension (mm)	24	36	40	60	80	120	Box	M. Box
 4 Slotted	100x16	985095	985098	985101	985110	985114	985122	50	200
	115x22.23	922652	958154	958155	958156	958157	904772	50	200
	125x22.23	923223	958219	958220	958221	958222	985123	50	200
	150x22.23	985096	985099	985102	985111	985115	985124	50	200
	180x22.23	904446	904447	985103	985112	985116	985125	50	200
	230x22.23	985097	985100	985104	985113	985117	985126	50	200
 6 Slitted	100x16	980148	980149	985181	980151	980152	980153	50	200
	115x22.23	922020	922030	922040	922060	922070	922080	50	200
	125x22.23	922100	922110	922120	922140	922150	922160	50	200
	150x22.23	958392	905699	958393	958394	903530	958395	50	200
	180x22.23	922180	922190	922200	922220	922230	922240	50	200
	230x22.23	985179	985180	985182	985184	985185	985187	50	200
 Round Hole	100x16	958496	958497	966780	958499	958500	958501	50	200
	115x22.23	921620	921630	921640	921660	921670	921680	50	200
	125x22.23	921700	921710	921720	921740	921750	921760	50	200
	150x22.23	958652	958653	966841	966843	966844	966840	50	200
	180x22.23	921780	921790	921800	921820	921830	921840	50	200
	230x22.23	958780	958781	966886	966888	966889	966885	50	200



Zirconia Topsize Fibre Discs

ZR TOPSIZE
Zirconia

Stock Removal ●●●●○
Lifetime ●●●●●

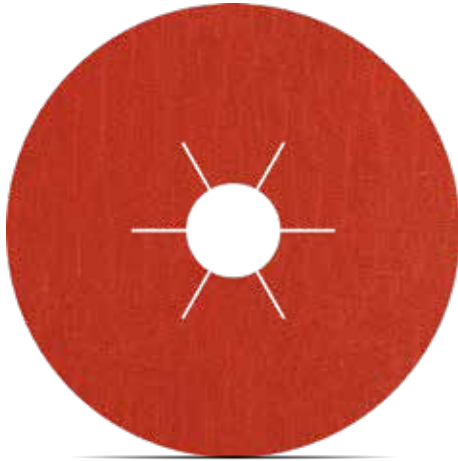
Product Code : ZWR51
Abrasive : Zirconia
Backing : Vulcanized Fibre
Grit Range : 24-120
Application : Stainless Steel (Inox), High Alloy Steel, Heat Resistant Steel, Cast Iron
Feature : Topsize (Coating for Heat Absorbant)



Type	Dimension (mm)	24	36	40	50	60	80	120	Box	M. Box
 4 Slotted	100x16	985240	985244	985248	985253	985259	985264	985275	50	200
	115x22.23	904448	958159	914822	985254	914824	914826	914828	50	200
	125x22.23	985241	985245	985249	985255	985260	985265	985276	50	200
	150x22.23	985242	985246	985250	985256	985261	985266	985277	50	200
	180x22.23	904445	904166	985251	985257	985262	985267	985278	50	200
	230x22.23	985243	985247	985252	985258	985263	985268	985279	50	200
 6 Slitted	100x16	985336	980154	985341	985344	980155	980156	980157	50	200
	115x22.23	923966	923967	923968	980217	923969	923970	923972	50	200
	125x22.23	923974	923975	923976	906076	923977	923978	923980	50	200
	150x22.23	985337	985339	985342	985345	966205	906369	985353	50	200
	180x22.23	923982	923983	923984	985346	923985	923986	923988	50	200
	230x22.23	985338	985340	985343	985347	985348	985349	985354	50	200
 Round Hole	100x16	966773	966774	966775	966776	966777	966778	966772	50	200
	115x22.23	924059	924060	924061	966787	924062	924063	924065	50	200
	125x22.23	924067	924068	924069	966801	924070	924071	924073	50	200
	150x22.23	966834	966835	966836	966837	966201	966838	966833	50	200
	180x22.23	924075	924076	924077	966850	924078	924079	924081	50	200
	230x22.23	966878	966879	966880	966881	966882	966883	966877	50	200



Ceramic Fibre Discs



CE TOPSIZE
Ceramic

Stock Removal ●●●●●
Lifetime ●●●●●

Product Code : CER51
Abrasive : Ceramic
Backing : Vulcanized Fibre
Grit Range : 24-120
Application : Stainless Steel (Inox), High Alloy Steel, Heat Resistant Steel, Cast Iron
Feature : Topsize (Coating for Heat Absorbant)

Type	Dimension (mm)	24	36	40	50	60	80	100	120	Box	M. Box
 4 Slotted	100x16	985417	985420	985423	985428	985434	985436	985440	985445	50	200
	115x22.23	907330	958160	985424	985429	903459	907331	985441	914818	50	200
	125x22.23	907332	968421	920272	985430	968422	906088	912823	905984	50	200
	150x22.23	985418	985421	985425	985431	906370	985437	985442	985446	50	200
	180x22.23	930599	903460	985426	985432	903461	985438	985443	985447	50	200
	230x22.23	985419	985422	985427	985433	985435	985439	985444	985448	50	200
 6 Slitted	100x16	985505	966342	985508	985510	905023	905706	985514	905707	50	200
	115x22.23	906257	980218	922199	910118	980219	904785	911902	905377	50	200
	125x22.23	904846	958368	911904	911906	958369	904847	911908	905708	50	200
	150x22.23	906189	966415	911914	911916	911918	911923	911925	911927	50	200
	180x22.23	905737	958444	909502	907377	958445	905709	911929	905710	50	200
	230x22.23	985506	985507	985509	985511	985512	985513	985515	985516	50	200
 Round Hole	100x16	985523	903806	985527	985530	903807	985535	985538	985541	50	200
	115x22.23	924083	924084	924085	924318	924086	924087	924088	924089	50	200
	125x22.23	924091	924092	924093	985531	924094	924095	924096	924097	50	200
	150x22.23	985524	985526	985528	985532	908939	985536	985539	985542	50	200
	180x22.23	924099	924100	924101	914989	924102	924103	924104	924105	50	200
	230x22.23	985525	922447	985529	985533	985534	985537	985540	985543	50	200





Hook & Loop Discs

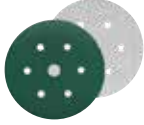
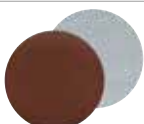


Karbosan hook & loop discs are offered in various types to meet different application needs.



Product Category Information

Karbosan hook & loop discs are offered in various types to meet different application needs. Hook & loop discs are served with different types of Silicon Carbide, Aluminum Oxide, Zirconium, Ceramic and Compact Aluminum Oxide abrasives, from 24 grit to 2000 grit, from 100mm diameter to 230mm diameter, with different hole types.

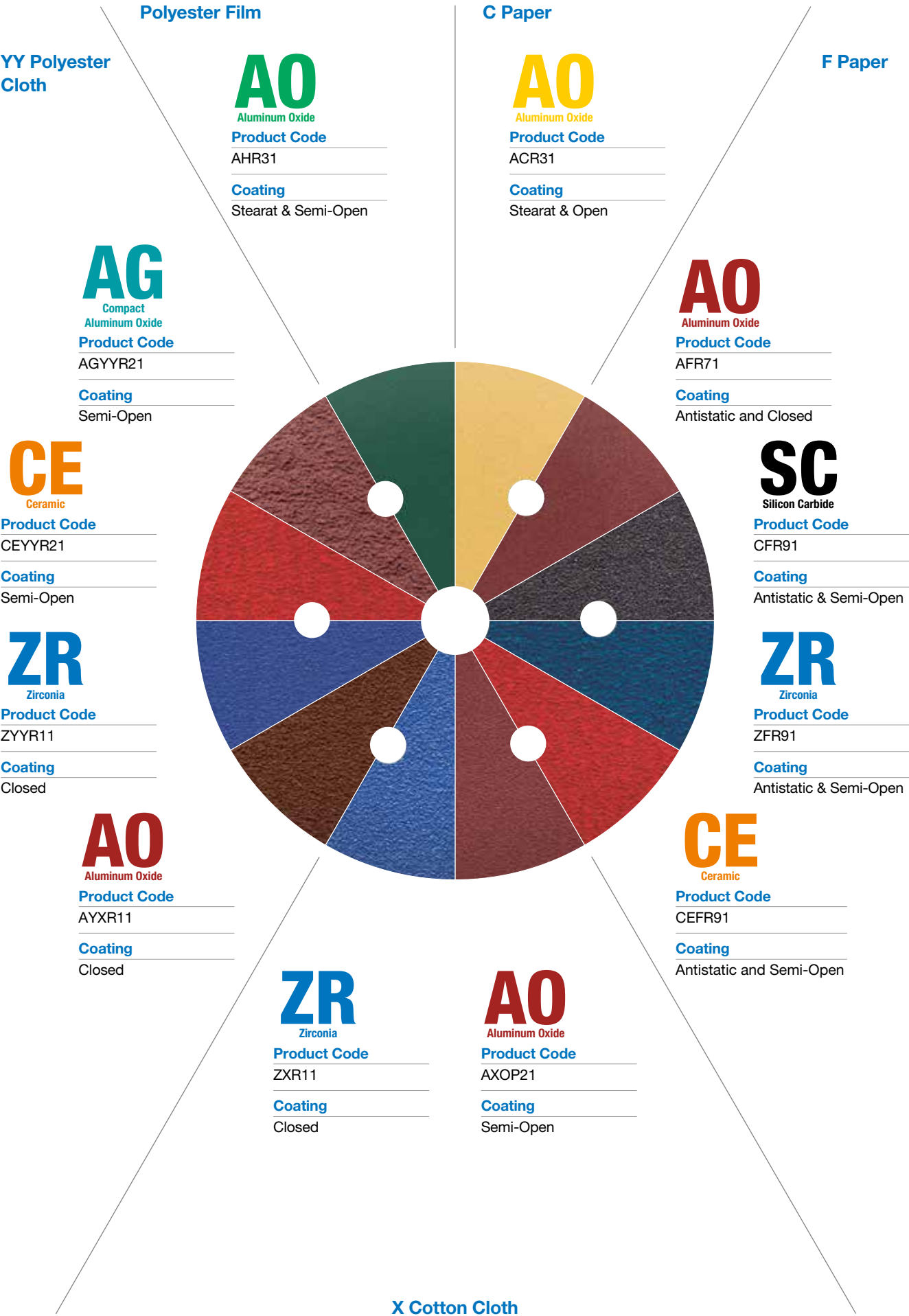
Category	Abrasive	Product Code	Feature	
Polyester Film	AO Aluminum Oxide	AHR31	Ideal for sanding various types of surfaces in automotive, paint, marine and stainless steel sectors. Polyester film backing and Aluminum Oxide abrasive grains, also with anti-clogging Stearate and semi open coating. Suitable for dry and wet applications. Tear resistant.	
C Paper	AO Aluminum Oxide	ACR31	Ideal for sanding undercoated, painted and varnished surfaces in wood, automotive, paint and marine sectors. C weight paper backing and Aluminum Oxide abrasive grains, also with anti-clogging Stearate and open coating.	
F Paper	AO Aluminum Oxide	AFR71	Ideal for sanding wood, low alloy steel and stainless steel (Inox) materials, having F weight paper backing and Aluminum Oxide abrasive grains, also antistatic and closed coating.	
	SC Silicon Carbide	CFR91	Ideal for sanding glass, stone, granite, ceramic, wood, aluminium, zamak, brass, copper and non ferrous metals, having F weight paper backing and Silicon Carbide abrasive grains, also antistatic and semi-open coating.	
	ZR Zirconia	ZFR91	Ideal for sanding low alloy steel, stainless steel (Inox), high alloy steel, aluminium, zamak and wood materials, having F weight paper backing and Zirconia abrasive grains, also antistatic and semi-open coating.	
	CE Ceramic	CEFR91	Ideal for sanding stainless steel (Inox), high alloy steel, heat resistant steel, low alloy steel, aluminium, zamak and wood materials, having F weight paper backing and Ceramic abrasive grains, also antistatic and semi-open coating.	
X Cotton Cloth	AO Aluminum Oxide	AXOP21	Ideal for sanding wood, low alloy steel, stainless steel (Inox), brass, copper and non ferrous metals, having X weight cotton cloth backing and Aluminum Oxide abrasive grains, also semi-open coating.	
	ZR Zirconia	ZXR11	Ideal for sanding stainless steel (Inox), high alloy steel, heat resistant steel, low alloy steel, aluminium, zamak and wood materials, having X weight cotton cloth backing and Zirconia abrasive grains, also closed coating.	
YY Polyester Cloth	AO Aluminum Oxide	AYXR11	Ideal for sanding wood, low alloy steel, stainless steel (Inox), brass, copper and non ferrous metals, having YY weight polyester cloth backing and Aluminum Oxide abrasive grains, also closed coating.	
	ZR Zirconia	ZYYR11	Ideal for sanding stainless steel (Inox), high alloy steel, heat resistant steel, low alloy steel, aluminium, zamak, cast iron and wood materials, having YY weight polyester cloth backing and Zirconia abrasive grains, also closed coating.	
	CE Ceramic	CEYYR21	Ideal for sanding wood, brass, copper and non ferrous metals, having YY weight polyester cloth backing and Ceramic abrasive grains, also semi-open coating.	
	AG Compact Aluminum Oxide	AGYYR21	Ideal for polishing and finishing low alloy steel, stainless steel, high alloy steel and heat resistant steel, having YY weight polyester cloth backing and Compact Aluminum Oxide abrasive grains, also semi-open coating.	

Application and Performance Table

●●● Perfect
 ●● Suitable
 ● Possible

Category	Abrasive	Wood	Low Alloy Steel	Stainless Steel / Inox	High Alloy Steel / Heat Resistant Steel	Aluminium / Zamak	Brass / Copper / Non Ferrous Metal	Paint / Varnish / Lacquer	Plastic / Rubber / Leather	Cast Iron	Glass / Stone / Granite / Vitrified
Polyester Film	AO Aluminum Oxide <i>AHR31</i>	●	●●	●●●	●	●	●●	●●●			
C Paper	AO Aluminum Oxide <i>ACR31</i>	●●●	●				●	●●●	●●●		
F Paper	AO Aluminum Oxide <i>AFR71</i>	●●●	●	●							
	SC Silicon Carbide <i>CFR91</i>	●●				●	●	●	●●●		●●●
	ZR Zirconia <i>ZFR91</i>	●	●●	●●	●	●					
	CE Ceramic <i>CEFR91</i>	●	●●	●●●	●●●	●					
X Cotton Cloth	AO Aluminum Oxide <i>AXOP21</i>	●●●	●	●		●	●	●	●		
	ZR Zirconia <i>ZXR11</i>	●	●●	●●●	●●	●					
YY Polyester Cloth	AO Aluminum Oxide <i>AYXR11</i>	●●●	●	●			●	●	●		
	ZR Zirconia <i>ZYYR11</i>	●	●●	●●●	●●●	●			●	●	
	CE Ceramic <i>CEYYR21</i>	●●●	●	●	●		●●	●●			
	AO Compact Aluminum Oxide <i>AGYYR21</i>		●●	●●●	●●●	●	●			●	

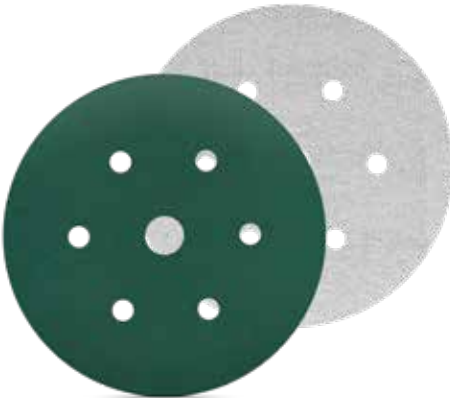
Product Types



Types and Diameters

Type No.	Type Icon	Disc Diameters	Hole Status	Hole in The Middle (mm)	Inner Hole Circle Diameters (mm)	Number of Hole in The Inner Hole Circle (piece)	Diameter of The Hole in The Inner Hole Circle (mm)	Outer Hole Circle Diameter (mm)	Number of Holes in The Outer Hole Circle (piece)	Diameter of The Holes in The Outer Hole Circle (mm)
T01		100 mm / 4"	No hole							
T02		115 mm / 4½"	No hole							
T03		125 mm / 5"	No hole							
T04		125 mm / 5"	8 holes		65	8	10			
T05		125 mm / 5"	9 holes	11	65	8	10			
T06		125 mm / 5"	9 holes	8	90	8	10			
T07		150 mm / 6"	No hole							
T08		150 mm / 6"	6 holes		80	6	10			
T09		150 mm / 6"	7 holes	18	80	6	10			
T10		150 mm / 6"	8 holes		65	8	10			
T11		150 mm / 6"	9 holes	18	120	8	9,5			
T12		150 mm / 6"	15 holes	17	80	6	9	120	8	9
T13		150 mm / 6"	17 holes	10	65	8	8	120	8	10
T14		150 mm / 6"	Star Shaped	22,3						
T15		178 mm / 7"	No hole							
T16		178 mm / 7"	No hole	22,3						
T17		180 mm / 7 1/64"	No hole							
T18		200 mm / 7 7/8"	No hole							
T19		225 mm / 8"	No hole							
T20		230 mm / 9"	No hole							
T21		406 mm / 16"	No hole							
T23		115 x 280 mm	No hole							
T24		80 x 80 x R135	No hole							
T25		81 x 133 - 8 x Ø10	8 holes							
T26		230 x 280 mm	No hole							
T27		200 mm / 7 7/8"	9 holes							
T28		90 mm / 3 ½"	No hole							
T29		77 mm / 3 1/16"	No hole							
T30		85 mm / 3 3/8"	No hole							
T31		140 mm / 5 ½"	No hole							
T32		125 mm / 5"	5 holes							
T34		140 mm / 5 ½"	Holes				30			

Polyester Film Hook & Loop Discs



A0
Aluminum Oxide

- Product Code : AHR31
- Abrasive : Aluminum Oxide
- Backing : Polyester Film
- Grit Range : 40-2000
- Application : Ideal for sanding various types of surfaces in automotive, paint, marine and stainless steel sectors.
- Feature : Stearate and semi-open coating.

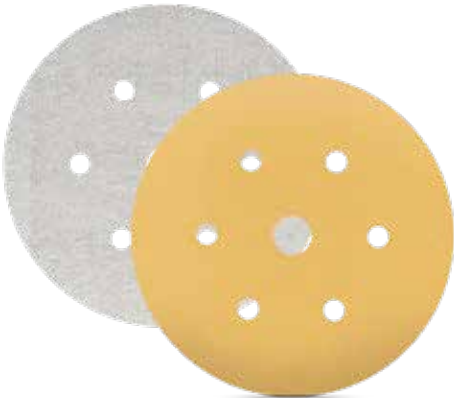
Type	Dimension (mm)	40	60	80	100	120	150	180	220	240	280	320	400	500	600	800	1000	1200	1500	2000
No Hole	115	954450	954456	954460	954426	954430	954434	954436	954440	954442	954444	954446	954448	954452	954454	954458	954424	954428	954432	954438
	125	961607	961610	961612	961595	961597	961599	961600	961602	961603	961604	961605	961606	961608	961609	961611	961594	961596	961598	961601
	150	961623	961624	961626	961614	961616	961618	961619	961621	960451	961622	960452	960453	954386	960454	961625	961613	961615	961617	961620
6 Holes	150	961640	961643	961645	961628	961630	961632	961633	961635	961636	961637	961638	961639	961641	961642	961644	961627	961629	961631	961634
7 Holes	150	954413	954417	954421	954390	954394	954398	954400	954404	954406	954408	954422	954411	975000	954415	954419	954388	954392	954396	954402



C Paper Hook & Loop Discs

A0
Aluminum Oxide

- Product Code : ACR31
- Abrasive : Aluminum Oxide
- Backing : C Paper
- Grit Range : 40-1200
- Application : Ideal for sanding undercoated, painted and varnished surfaces in wood, automotive, paint and marine sectors.
- Feature : Stearate and open coating.



Type	Dimension (mm)	40	60	80	100	120	150	180	220	240	280	320	400	500	600	800	1000	1200
No Hole	115	961658	961661	961663	961648	961650	961651	961652	961653	961654	961655	961656	961657	961659	961660	961662	961647	961649
	125	961675	961678	961680	961665	961667	961668	961669	961670	961671	961672	961673	961674	961676	961677	961679	961664	961666
	150	961689	961691	961693	961682	961684	961685	961686	961687	960447	961688	960448	960449	961690	960450	961692	961681	961683
6 Holes	150	961705	961708	961710	961695	961697	961698	961699	961700	961701	961702	961703	961704	961706	961707	961709	961694	961696
7 Holes	150	954484	954490	954494	954464	954468	954471	954472	954474	954476	954478	954480	954482	954486	954488	954492	954462	954466



F Paper Hook & Loop Discs



AO

Aluminum Oxide

Product Code	: AFR71
Abrasive	: Aluminum Oxide
Backing	: F Paper
Grit Range	: 40-600
Application	: Ideal for sanding wood, low alloy steel and stainless steel (Inox) materials.
Feature	: Antistatic and closed coating.

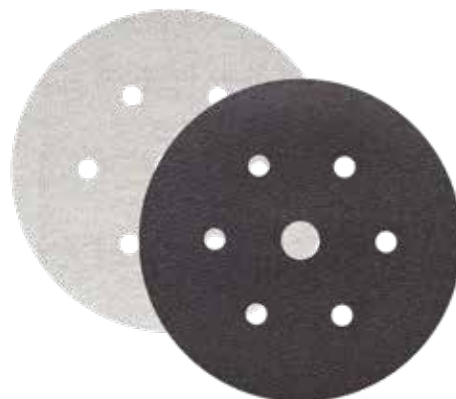
Type	Dimension (mm)	40	60	80	100	120	150	180	220	240	280	320	400	600
No Hole	115	945332	945333	944645	945641	945330	945642	945643	945644	924802	945645	945646	945647	945649
	125	910868	910875	910877	910857	910858	910859	910864	945741	910865	945742	910866	910867	910869
	150	910917	910919	910925	910904	910905	910906	910907	911648	910908	910909	910914	910915	932457
	178	947547	932149	932150	920389	947540	947541	947542	947543	947544	947545	947546	924505	947549
	180	932249	932250	932251	932326	932327	947578	932252	947579	947580	947581	947582	947583	947586
	200	930996	922227	922228	922226	923280	947606	947607	947608	947609	947610	947611	947612	947615
	225	947634	947638	914797	914795	914796	947627	947628	947629	947630	947631	947632	947633	947637
	230	947646	947650	914987	947639	914984	947640	947641	914986	947642	947643	947644	947645	947649
6 Holes	150	911275	911276	911277	911279	911282	911283	914766	911284	914767	914768	914769	914772	945989
7 Holes	150	920829	923512	923514	923508	920830	923510	930643	930644	947156	947157	930646	930648	930649
8 Holes	125	920439	921506	914745	923516	914743	923518	914744	923520	920435	945809	930642	920437	945812
9 Holes	125	910889	910892	910893	923257	910888	945885	945886	945887	945888	945889	945890	945891	945894
	150	910986	910988	910991	910975	910976	910977	910978	947504	910979	910983	910984	910985	947508
15 Holes	150	932768	930929	930933	945951	932832	945952	930934	945953	947655	945954	920928	930937	945957
17 Holes	150	932447	932448	932449	932450	932451	932452	932453	945970	932454	945971	932455	945972	945975
Star Shaped Hole	178	921193	921195	921197	921188	921191	947559	947560	947561	947562	947563	947564	947565	947568



F Paper Hook & Loop Discs

SC**Silicon Carbide**

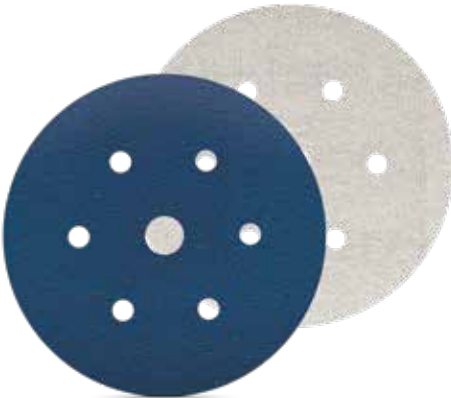
Product Code	: CFR91
Abrasive	: Silicon Carbide
Backing	: F Paper
Grit Range	: 40-800
Application	: Ideal for sanding glass, stone, granite, ceramic, wood, aluminium, zamak, brass, copper and non ferrous metals.
Feature	: Antistatic and semi-open coating.



Type	Dimension (mm)	40	60	80	100	120	150	180	220	240	280	320	400	600	800
No Hole	115	931054	931056	931057	920125	931058	931439	945636	931443	997714	997726	931444	920127	955971	978378
	125	947652	944532	944533	945727	944534	945728	945729	945730	006928	997725	945731	945733	978381	978382
	150	914753	914755	914756	914748	914749	945917	945918	945919	997715	997724	945920	945921	978387	978388
	178	922091	913996	913998	914782	922088	947526	947527	947528	997716	997723	947529	920133	978399	978400
	200	920034	920036	920038	930995	947598	947599	947600	947601	997718	997721	947602	947604	978401	978402
6 Holes	150	922048	922053	922055	922042	922044	945976	945977	945978	997731	997736	945979	945980	978391	978392
7 Holes	150	946990	947003	947004	946001	946436	946981	946982	946984	997753	997762	946985	946989	978393	978394
8 Holes	125	922033	922037	922039	922026	922028	945804	945805	945806	954098	997777	945807	945808	978383	978384
	150	947493	947495	947496	947485	947486	947487	947488	947489	997771	997776	947490	947492	978395	978396
9 Holes	125	945881	945883	945884	945820	945821	945822	945823	945824	997782	997789	945825	945880	978385	978386
	150	914776	914778	914779	914774	914775	947497	947498	947499	997783	997788	947500	947503	978397	978398
15 Holes	150	945947	945949	945950	945941	945942	945943	945944	945945	997809	997792	920929	945946	978389	978390



F Paper Hook & Loop Discs



ZR
Zirconia

Product Code	: ZFR91
Abrasive	: Zirconia
Backing	: F Paper
Grit Range	: 40-320
Application	: Ideal for sanding low alloy steel, stainless steel (Inox), high alloy steel, aluminium, zamak and wood materials.
Feature	: Antistatic and semi-open coating.

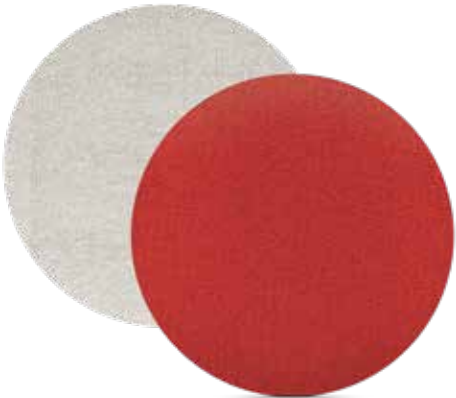
Type	Dimension (mm)	40	60	80	100	120	150	180	220	240	280	320
No Hole	115	921322	915598	921323	921527	921324	923015	945651	945652	945653	945654	945655
	125	924196	924198	922937	922925	922927	922929	922931	945746	922933	945747	922935
	150	922222	914759	914762	922692	923205	923031	945931	945932	945933	945934	945935
	178	930453	914788	914789	930455	930457	947552	947553	947554	947555	947556	947557
	180	932253	932255	932256	947587	947588	947589	947590	947591	947592	947593	947594
	200	931983	920392	930585	930587	930589	947617	947618	947619	947620	947622	947623
6 Holes	150	945998	915368	923022	932779	923017	923019	945990	945991	945992	945994	945995
7 Holes	150	947473	947475	947476	947461	947462	947463	947464	947465	947466	947468	947469
9 Holes	125	945905	945907	945908	944635	945895	945896	945897	945898	945899	945901	945902
	150	923127	922708	922710	922706	947509	947510	947511	947512	947513	947515	947516
15 Holes	150	922223	924384	924385	924386	924387	945961	945962	945963	945964	945966	945967
Star Shaped Hole	178	915332	915344	915334	924298	915330	947570	947571	947572	947573	947574	947575



F Paper Hook & Loop Discs



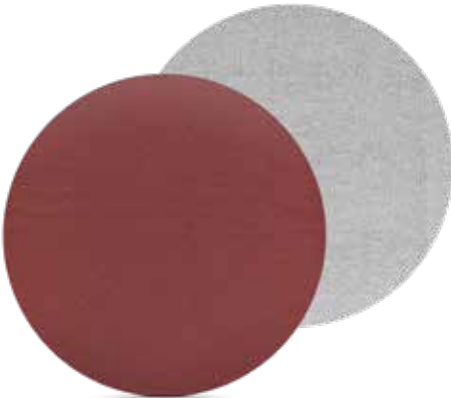
- Product Code : CEFR91
- Abrasive : Ceramic
- Backing : F Paper
- Grit Range : 24-120
- Application : Ideal for sanding stainless steel (Inox), high alloy steel, heat resistant steel, low alloy steel, aluminium, zamak and wood materials.
- Feature : Antistatic and semi-open coating.



Type	Dimension (mm)	24	36	40	50	60	80	100	120
No Hole	115	945631	945632	945633	945634	945635	947651	945629	945630
	125	945719	945720	945721	945722	944670	944669	945717	945718
	150	945911	945912	945913	931777	945914	931003	945909	945910
	178	947521	947522	947523	932797	947524	947525	947519	947520
9 Holes	150	952801	952802	947711	947878	947879	947710	947880	947881
15 Holes	150	952845	952846	947712	952847	952848	947713	952849	952850
Star Shaped Hole	150	-	-	950948	950949	950950	950951	950952	950953
	178	950946	950947	-	-	-	-	-	-



X Cotton Cloth Hook & Loop Discs



AO
Aluminum Oxide

- Product Code : AXOP21
- Abrasive : Aluminum Oxide
- Backing : X Standard Cotton Cloth
- Grit Range : 16-400
- Application : Ideal for sanding wood, low alloy steel, stainless steel (Inox), brass, copper and non ferrous metals.
- Feature : Semi-open coating.

Type	Dimension (mm)	16	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400
No Hole	115	991471	006911	006912	930865	991483	930866	930868	931059	931063	006257	945475	945638	945639	945640	945476	006240
	125	991472	961802	961803	945739	991484	945740	944535	945735	944536	006452	921152	944537	945737	945738	944538	006927
	150	991473	961804	961805	944857	991485	921429	944858	944859	944860	932344	945922	945923	945924	945925	945926	006945
	178	991474	961806	961807	947538	991486	914785	947539	947530	947531	947532	947533	947534	947535	947536	947537	991493
	200	997810	997811	997815	952028	997816	951357	951358	951359	951360	951361	951361	951549	951363	952029	952030	997817
	230	991476	991478	991481	952031	991488	951364	951365	951366	951367	951368	951369	952032	952033	952034	952035	991495
6 Holes	150	991499	961808	961809	944856	991576	923454	923456	947656	945981	945982	945983	945470	945984	945985	945986	991577

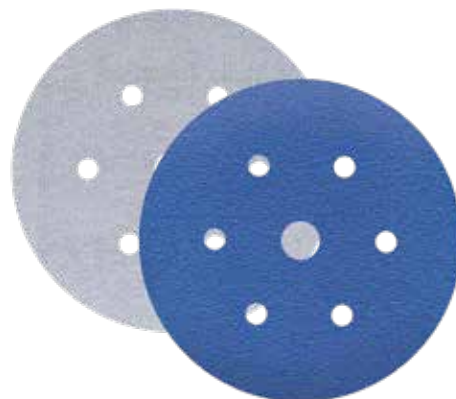


X Cotton Cloth Hook & Loop Discs

ZR

Zirconia

Product Code	: ZXR11
Abrasive	: Zirconia
Backing	: X Heavy Cotton Cloth
Grit Range	: 24-120
Application	: Ideal for sanding stainless steel (Inox), high alloy steel, heat resistant steel, low alloy steel, aluminium, zamak and wood materials.
Feature	: Closed coating.



Type	Dimension (mm)	24	36	40	50	60	80	100	120
No Hole	115	915487	915509	920385	945650	920387	920388	910829	910833
	125	924938	924939	924940	945745	910885	910887	910878	910879
	150	910936	910938	910945	910946	910949	910955	910928	910933
	178	911043	911045	911049	911053	911056	911064	911036	911038
	200	947616	932128	930856	930854	911065	923221	930857	930858
7 Holes	150	947352	-	947407	947458	947459	947460	947339	947351
8 Holes	125	006489	-	945816	945817	945818	945819	945813	944818
9 Holes	150	924934	-	910994	910995	910996	910997	910992	910993
15 Holes	150	945958	-	921206	945960	921208	921211	921199	921202
Star Shaped Hole	178	921162	-	921166	947569	921168	921171	921157	921159



YY Polyester Cloth Hook & Loop Discs



AO
Aluminum Oxide

- Product Code : AYXR11
- Abrasive : Aluminum Oxide
- Backing : YY Polyester Cloth
- Grit Range : 16-600
- Application : Ideal for sanding wood, low alloy steel, stainless steel (Inox), brass, copper and non ferrous metals.
- Feature : Closed coating.

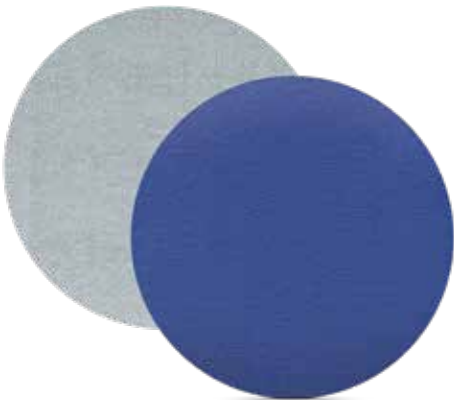
Type	Dimension (mm)	16	24	36	40	60	80	100	120	150	180	220	240	280	320	400	500	600
No Hole	125	997836	997831	997842	953592	944668	945754	945749	945750	997862	997867	997871	976683	997881	976684	976685	998025	997908
	150	910926	997839	997843	997848	944741	944745	945937	944746	997861	945930	997872	997876	997888	997896	997901	998026	997906



YY Polyester Cloth Hook & Loop Discs



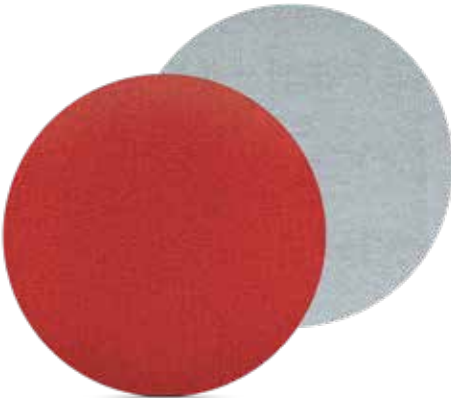
- Product Code : ZYYR11
- Abrasive : Zirconia
- Backing : YY Polyester Cloth
- Grit Range : 24-150
- Application : Ideal for sanding stainless steel (Inox), high alloy steel, heat resistant steel, low alloy steel, aluminium, zamak, cast iron and wood materials.
- Feature : Closed coating.



Type	Dimension (mm)	24	36	40	50	60	80	100	120	150
No Hole	150	947479	947480	947481	947482	947483	947484	947477	947478	910934



YY Polyester Cloth Hook & Loop Discs



CE
Ceramic

Product Code : CEYYR21
Abrasive : Ceramic
Backing : YY Polyester Cloth
Grit Range : 24-120
Application : Ideal for sanding wood, brass, copper and non ferrous metals.
Feature : Semi-open coating.

Type	Dimension (mm)	24	36	40	50	60	80	100	120
No Hole	125	945724	945725	932742	945726	944531	932798	945723	932743
	150	945916	923201	923202	923203	930896	930910	945915	930897



YY Polyester Cloth Hook & Loop Discs

AG
Compact Aluminum Oxide

- Product Code : AGYYR21
- Abrasive : Compact Aluminum Oxide
- Backing : YY Polyester Cloth
- Grit Range : 80-600
- Application : Ideal for polishing and finishing low alloy steel, stainless steel, high alloy steel and heat resistant steel.
- Feature : Semi-Open coating.



Type	Dimension (mm)	80	120	180	240	320	400	600
No Hole	115	954146	954147	954148	954149	954150	954151	954152
	125	954153	954154	954155	954156	954157	954158	954159
	150	953835	954160	954161	953836	954162	954163	954164
	178	954165	954166	954167	954168	954169	954170	997919



Sheets and Sponge



Karbosan sheets and sponges are offered in various types for sanding sensitive surfaces.



Latex A0 Waterproof Sandpaper



Abrasive	: Aluminum Oxide
Backing	: Latex C Paper
Bond	: Resin Over Resin
Grit Range	: 60-1000
Feature	: Suitable for automotive, wood, all kinds of paint, lining, putty and laboratory work, sanding sensitive surfaces with hand or machine. Flexible and high sanding performance combined with wet or dry workability.

Latex SC Waterproof Sandpaper



Abrasive	: Silicon Carbide
Backing	: Latex C Paper
Bond	: Resin Over Resin
Grit Range	: 60-1000
Feature	: Suitable for sanding sensitive surfaces in marble, automotive, wood, all kinds of paint, lining, putty and laboratory work with hand or machine. Flexible and high sanding performance combined with wet or dry workability.



Non-Woven Sheet

Suitable for automotive, wood, all kinds of paint, lining, putty and laboratory work, sanding sensitive surfaces with hand or machine. Flexible and high sanding performance combined with wet or dry workability.



Dimension (mm)	Article	Box
230x280	915378	10

Sponge Abrasive

Grit Range : 60-1000

Feature : Suitable for sanding of metal, wood, wall, hard plastic and similar materials. It is an alternative to waterproof sandpaper. Long-lasting, convenient for hand use, has the ability to be washed repeatedly with water.



Dimension (mm)	Grain	Article	Box
100x68 x27	60	980011	1
100x68 x27	80	980012	1
100x68 x27	100	980001	1
100x68 x27	120	980002	1
100x68 x27	150	980003	1
100x68 x27	180	980004	1

Dimension (mm)	Grain	Article	Box
100x68 x27	220	980005	1
100x68 x27	240	980006	1
100x68 x27	280	980007	1
100x68 x27	320	980008	1
100x68 x27	360	980009	1
100x68 x27	400	980010	1



Flap Wheels



Karbosan flap wheels are offered in various types to meet different application needs.



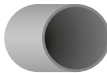
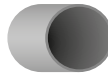
Product Types

Karbosan flap wheels are offered in various types to meet different application needs. Flap wheels are served with a total of 25 different types under product groups of Shaft, Flanged, Keyway, Flap Type and Threaded. Other than the standard types, flap wheels are also specially offered according to customer demands, applications and operation methods.

Category	Product	Material	Quality		Category	Product	Material	Quality		
Flap Wheel With Spindle	Abrasive Cloth	Abrasive Cloth	AXFR11		Keyway Flap Wheel	Abrasive Cloth	Abrasive Cloth	AXFR11		
	Non-Woven	Non-Woven	A Fine			Non-Woven	Non-Woven	A Fine		
	Non-Woven Combi	Abrasive Cloth and Non-Woven	AXFR11 & A Fine			Non-Woven Combi	Abrasive Cloth and Non-Woven	AXFR11 & A Fine		
Flap Wheel With Flange	Abrasive Cloth	Abrasive Cloth	AXFR11		Flap Type Flap Wheel	Non-Woven	Non-Woven	A Fine		
	Non-Woven	Non-Woven	A Fine			Non-Woven Combi	Abrasive Cloth and Non-Woven	AXFR11 & A Fine		
	Non-Woven Combi	Abrasive Cloth and Non-Woven	AXFR11 & A Fine			Unitized	Non-Woven	Silicon Carbide		
					Threaded Flap Wheel	Abrasive Cloth	Abrasive Cloth	AXFR11		
						Non-Woven	Non-Woven	A Fine		
						Non-Woven Combi	Abrasive Cloth and Non-Woven	AXFR11 & A Fine		

Application and Performance Table

●●● Perfect
 ●● Suitable
 ● Possible

Perfect Suitable Possible												
Category	Product	Cylindrical (Hole)	Flat	Formed / Edge	Category	Product	Cylindrical (Hole)	Flat	Formed / Edge			
Flap Wheel With Spindle	Abrasive Cloth	●●●	●	●●●	Keyway Flap Wheel	Abrasive Cloth	●	●●●	●●			
	Non-Woven	●●●	●	●●●		Non-Woven	●	●●●	●●			
	Non-Woven Combi	●●●	●	●●●		Non-Woven Combi	●	●●●	●●			
Flap Wheel With Flange	Abrasive Cloth	●●●	●●	●●	Flap Type Flap Wheel	Non-Woven	●	●●●	●			
	Non-Woven	●●●	●●	●●		Non-Woven Combi	●	●●●	●			
	Non-Woven Combi	●●●	●●	●●		Unitized	●	●●●	●			
					Threaded Flap Wheel	Abrasive Cloth	●●●	●	●●			
						Non-Woven	●●●	●	●●			
						Non-Woven Combi	●●●	●	●●			

Types and Diameters

Diameter (mm)	Width (mm)	Flap Wheel With Spindle			Flap Wheel With Flange			Keyway Flap Wheel			Flap Type Flap Wheel			Threaded Flap Wheel		
		Abrasive Cloth	Non-Woven	Non-Woven Combi	Abrasive Cloth	Non-Woven	Non-Woven Combi	Abrasive Cloth	Non-Woven	Non-Woven Combi	Non-Woven	Non-Woven Combi	Unitized	Abrasive Cloth	Non-Woven	Non-Woven Combi
20	10, 15, 20, 25	●	●	●												
25	15, 20, 30	●	●	●												
30	10, 15, 20, 30	●	●	●												
40	10, 15, 20, 30	●	●	●												
50	10, 15, 20, 30	●	●	●												
60	15, 20, 30, 40	●	●	●												
80	15, 20, 30, 40, 50	●	●	●												
100	100							●	●	●						
115	-										●	●	●	●	●	●
165	30, 50				●	●	●									

Flap Wheel With Spindle

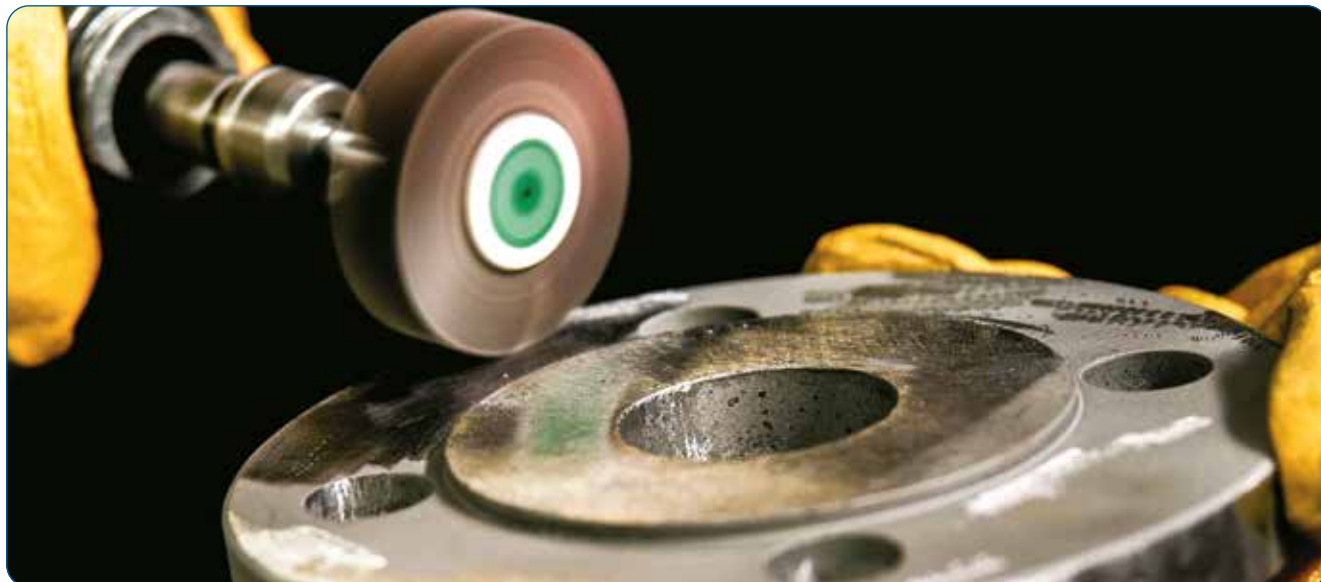
Suitable for grinding inner surface of piping, cylindrical parts like fittings and hard to reach profile surfaces. Applied with electrical or pneumatic hand tools; used in abrasive cloth, non-woven or combi version selected according to the surface roughness. General usage in construction and foundry industry.



Abrasive Cloth

Durable and flexible cotton cloth backing with Aluminum Oxide grains. Weld grinding and deburring surfaces in coarse and fine grinding. High stock removal capability and optimum lifetime.

Dimension (mm)	Quality	40	60	80	100	120	150	180	220	240	280	320	400	Box
20x10	AXFR11	915413	915414	915415	955173	915412	955174	955175	955176	955177	955178	955179	955181	20
20x15		915419	915420	915421	908020	915416	915417	915418	908021	908023	908061	908062	908064	20
20x20		915423	915425	915426	908070	915422	908071	908072	908073	908075	908076	908077	915424	20
20x25		966011	966012	966013	966009	966010	908106	908107	908108	908110	908111	908112	908114	20
25x15		908156	915432	915433	908120	966017	915430	915431	908121	908123	908124	908125	908157	10
25x20		966495	915436	915437	908163	915434	908164	908165	908166	908168	908169	908170	915435	10
25x30		915443	915445	966020	908396	966018	908397	966890	908398	908400	908401	966019	908403	10
30x10		915451	915453	915454	915447	915448	915449	915450	908408	908410	908411	908412	908414	10
30x15		915001	915002	915003	915455	915004	915005	915006	915007	915457	907815	915008	915458	10
30x20		915009	915010	915011	915462	915012	915013	915014	915015	908551	908552	915016	908554	10
30x30		915468	915469	915470	930015	930016	930017	930018	930066	930058	930047	930043	930085	10
40x10		915483	915484	915485	915477	915478	915479	915480	930067	915481	930048	915482	930019	10
40x15		915017	915018	915019	915486	915020	915021	915022	915023	915488	908561	915024	908563	10
40x20		915494	915495	915496	915491	915492	908455	915493	908456	908458	908459	908460	908462	10
40x30		915503	915504	915505	908468	915500	915501	915502	908469	908471	908472	908473	908475	10
50x10		966030	915506	915507	966028	966029	930077	930074	930068	930059	930049	930044	930023	10
50x15		915025	915026	915027	915508	915028	915029	915030	915031	908482	908483	915032	908485	10
50x20		915033	915034	915035	915512	915036	915037	915038	915039	915515	908491	915040	908493	10
50x30		915041	915042	915043	915522	915044	915045	915046	915047	966032	908499	915048	966035	10
60x15		915533	915535	915536	915531	915532	908506	908507	908508	908510	908511	908512	908514	10
60x20		915541	915542	915543	915537	915538	915539	915540	908519	908521	908522	908523	908525	10
60x30		915057	915058	915059	915544	915060	915061	915062	915063	915547	908532	915064	915548	10
60x40		915065	915066	915067	908539	915068	915069	915070	915071	908541	908542	915072	908544	10
80x15		904293	903725	915554	930083	915553	930078	930075	930069	930063	930053	930045	904398	10
80x20		915081	915082	915083	915555	915084	915085	915086	915087	930064	930054	915088	930025	10
80x30		915089	915090	915091	915562	915092	915093	915094	915095	930065	930055	915096	930026	10
80x40		970620	970630	915107	915566	915567	930079	930076	930073	915568	930056	930046	930027	10
80x50		915097	915098	915099	930084	915100	915101	915102	915103	915569	930057	915104	930028	10



Flap Wheel With Spindle



Non-Woven

Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during operation.

Dimension (mm)	Quality	Article	Box
20x15	AXFR11 & A Fine	930086	20
20x20		930087	20
20x25		930088	20
25x15		930089	10
25x20		930093	10
25x30		930094	10
30x10		930095	10
30x15		930096	10
30x20		930097	10
30x30		915346	10
40x10		930098	10
40x15		930099	10
40x20		930103	10
40x30		915348	10
50x10		930104	10
50x15		965431	10
50x20		965432	10
50x30		915350	10
60x15		930105	10
60x20		930106	10
60x30		915354	10
60x40		930107	10
80x15		930108	10
80x20		930109	10
80x30		915358	10
80x40		930113	10
80x50		930114	10



Non-Woven Combi

Suitable for surface preparation before polishing. Composed of abrasive cloth with 100 grit and A Fine quality non-woven. Abrasive cloth and non-woven combination allows both aggressive and sensitive grinding.

Dimension (mm)	Quality	Article	Box
20x15	AXFR11 & A Fine	930115	20
20x20		930116	20
20x25		930117	20
25x15		930118	10
25x20		930119	10
25x30		930123	10
30x10		930124	10
30x15		930125	10
30x20		930126	10
30x30		915363	10
40x10		930127	10
40x15		930144	10
40x20		930128	10
40x30		915365	10
50x10		930129	10
50x15		930133	10
50x20		965433	10
50x30		915367	10
60x15		930134	10
60x20		930135	10
60x30		915371	10
60x40		930136	10
80x15		930137	10
80x20		930138	10
80x30		915375	10
80x40		930139	10
80x50		930143	10

Flap Wheel With Flange

Suitable for grinding wide and cylindrical parts both for inner and outer surfaces. Used in grinding various formed surfaces. Suitable for both fixed and hand tools; used in grinding all types of metal and non-metal.



Abrasive Cloth

Durable and flexible cotton cloth backing with Aluminum Oxide grains. Weld grinding and deburring surfaces in coarse and fine grinding. High stock removal capability and optimum lifetime.

Dimension (mm)	Quality	40	60	80	100	120	150	180	220	240	280	320	400	Box
165 x30 x45	AXFR11	908008	966007	915397	966005	915395	907973	907974	908003	908005	908006	915396	966006	2
165 x50 x45		915407	915410	915411	915400	915401	915402	915403	915404	915405	915406	966008	915408	1



Non-Woven

Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during operation.

Dimension (mm)	Quality	Article	Box	Dimension (mm)	Quality	Article	Box
165 x30 x25	A Fine	915379	2	165 x50 x25	A Fine	915381	1
165 x30 x45		915380	2	165 x50 x45		915382	1



Non-Woven Combi

Suitable for surface preparation before polishing. Composed of abrasive cloth with 100 grit and A Fine quality non-woven. Abrasive cloth and non-woven combination allows both aggressive and sensitive grinding.

Dimension (mm)	Quality	Article	Box	Dimension (mm)	Quality	Article	Box
165 x30 x25	AXFR11 & A Fine	915383	2	165 x50 x25	AXFR11 & A Fine	915385	1
165 x30 x45		915384	2	165 x50 x45		915386	1

Keyway Flap Wheels

It is usually suitable for grinding large areas or formed surfaces, especially on smooth surfaces. Suitable for both fixed and hand tools.

Abrasive Cloth

Durable and flexible cotton cloth backing with Aluminum Oxide grains. Weld grinding and deburring surfaces in coarse and fine grinding. High stock removal capability and optimum lifetime.

Dimension (mm)	Quality	40	60	80	100	120	Box
100 x100 x19	AXFR11	930145	930146	930147	930148	930149	10



Non-Woven

Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during operation.

Dimension (mm)	Quality	Article	Box
100 x100 x19	A Fine	915388	2



Non-Woven Combi

Suitable for surface preparation before polishing. Composed of abrasive cloth with 100 grit and A Fine quality non-woven. Abrasive cloth and non-woven combination allows both aggressive and sensitive grinding.

Dimension (mm)	Quality	Article	Box
100 x100 x19	AXFR11 & A Fine	915390	2



Flap Type Flap Wheels

Designed for angle grinding. Used in electrical hand tools. It is usually used to obtain a more delicate surface than surfaces obtained from normal flap discs.



Non-Woven

Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during operation.

Dimension (mm)	Quality	Article	Box
115 x22.23	A Fine	915342	10



Non-Woven Combi

Suitable for surface preparation before polishing. Composed of abrasive cloth with 100 grit and A Fine quality non-woven. Abrasive cloth and non-woven combination allows both aggressive and sensitive grinding.

Dimension (mm)	Quality	Article	Box
115 x22.23	AXFR11 & A Fine	915343	10



Unitized

Suitable for removing paint, dirt and rust.

Dimension (mm)	Abrasive	Article	Box
115 x22.23	Silicon Carbide	955236	10

Threaded Flap Wheels

Suitable for angled and flat use in all hand-held machine. Used for sanding circular inner and flat surfaces.

Abrasive Cloth

Durable and flexible cotton cloth backing with Aluminum Oxide or Zirconia grains. Weld grinding and deburring surfaces in coarse and fine grinding. High stock removal capability and optimum lifetime.

Dimension (mm)	Quality	40	60	80	100	120	150	180	220	240	280	320	400	Box
115 x20 xM14	AXFR11	955237	955238	955239	955240	955241	955242	955243	955244	955245	955246	955247	955249	10
115 x20 xM14	ZXR11	955250	955251	955252	955253	955254								10



Non-Woven

Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during

Dimension (mm)	Quality	Article	Box
115 x20 xM14	A Fine	955255	10
115 x30 xM14		955256	10



Non-Woven Combi

Suitable for surface preparation before polishing. Composed of abrasive cloth with 100 grit and A Fine quality non-woven. Abrasive cloth and non-woven combination allows both aggressive and sensitive grinding.

Dimension (mm)	Quality	Article	Box
115 x20 xM14	AXFR11 & A Fine	955257	10
115 x30 xM14		955258	10



Flap Wheel With Spindle

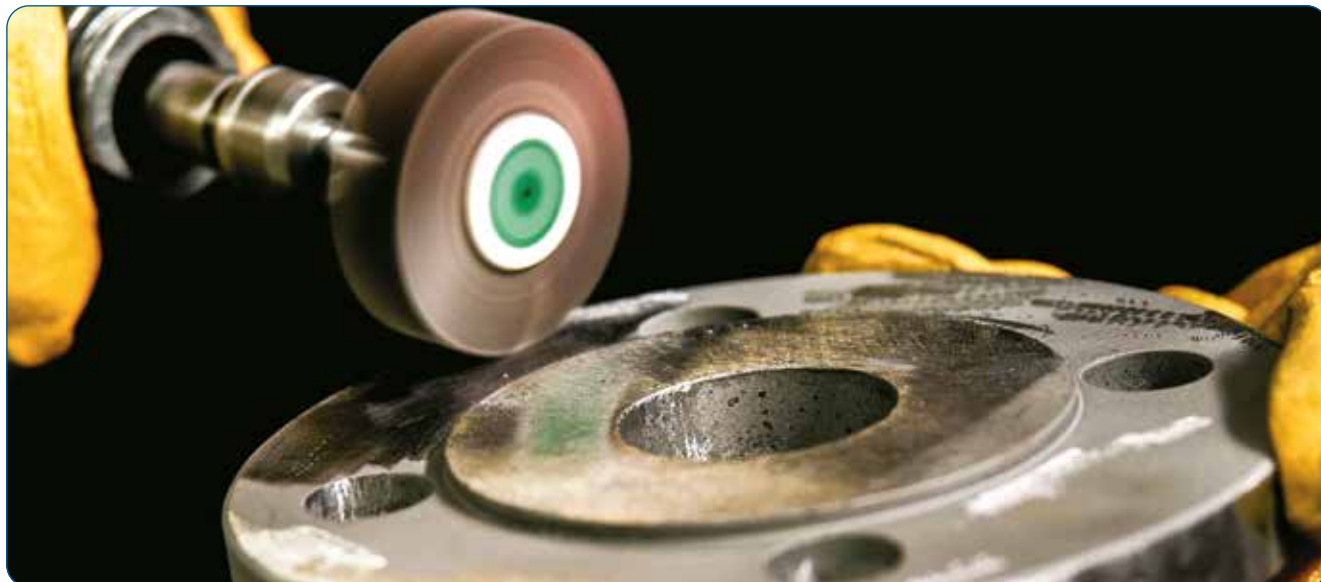
Suitable for grinding inner surface of piping, cylindrical parts like fittings and hard to reach profile surfaces. Applied with electrical or pneumatic hand tools; used in abrasive cloth, non-woven or combi version selected according to the surface roughness. General usage in construction and foundry industry.



Abrasive Cloth

Durable and flexible cotton cloth backing with Aluminum Oxide grains. Weld grinding and deburring surfaces in coarse and fine grinding. High stock removal capability and optimum lifetime.

Dimension (mm)	Quality	40	60	80	100	120	150	180	220	240	280	320	400	Box
20x10	AXFR11	915413	915414	915415	955173	915412	955174	955175	955176	955177	955178	955179	955181	20
20x15		915419	915420	915421	908020	915416	915417	915418	908021	908023	908061	908062	908064	20
20x20		915423	915425	915426	908070	915422	908071	908072	908073	908075	908076	908077	915424	20
20x25		966011	966012	966013	966009	966010	908106	908107	908108	908110	908111	908112	908114	20
25x15		908156	915432	915433	908120	966017	915430	915431	908121	908123	908124	908125	908157	10
25x20		966495	915436	915437	908163	915434	908164	908165	908166	908168	908169	908170	915435	10
25x30		915443	915445	966020	908396	966018	908397	966890	908398	908400	908401	966019	908403	10
30x10		915451	915453	915454	915447	915448	915449	915450	908408	908410	908411	908412	908414	10
30x15		915001	915002	915003	915455	915004	915005	915006	915007	915457	907815	915008	915458	10
30x20		915009	915010	915011	915462	915012	915013	915014	915015	908551	908552	915016	908554	10
30x30		915468	915469	915470	930015	930016	930017	930018	930066	930058	930047	930043	930085	10
40x10		915483	915484	915485	915477	915478	915479	915480	930067	915481	930048	915482	930019	10
40x15		915017	915018	915019	915486	915020	915021	915022	915023	915488	908561	915024	908563	10
40x20		915494	915495	915496	915491	915492	908455	915493	908456	908458	908459	908460	908462	10
40x30		915503	915504	915505	908468	915500	915501	915502	908469	908471	908472	908473	908475	10
50x10		966030	915506	915507	966028	966029	930077	930074	930068	930059	930049	930044	930023	10
50x15		915025	915026	915027	915508	915028	915029	915030	915031	908482	908483	915032	908485	10
50x20		915033	915034	915035	915512	915036	915037	915038	915039	915515	908491	915040	908493	10
50x30		915041	915042	915043	915522	915044	915045	915046	915047	966032	908499	915048	966035	10
60x15		915533	915535	915536	915531	915532	908506	908507	908508	908510	908511	908512	908514	10
60x20		915541	915542	915543	915537	915538	915539	915540	908519	908521	908522	908523	908525	10
60x30		915057	915058	915059	915544	915060	915061	915062	915063	915547	908532	915064	915548	10
60x40		915065	915066	915067	908539	915068	915069	915070	915071	908541	908542	915072	908544	10
80x15		904293	903725	915554	930083	915553	930078	930075	930069	930063	930053	930045	904398	10
80x20		915081	915082	915083	915555	915084	915085	915086	915087	930064	930054	915088	930025	10
80x30		915089	915090	915091	915562	915092	915093	915094	915095	930065	930055	915096	930026	10
80x40		970620	970630	915107	915566	915567	930079	930076	930073	915568	930056	930046	930027	10
80x50		915097	915098	915099	930084	915100	915101	915102	915103	915569	930057	915104	930028	10



Flap Wheel With Spindle



Non-Woven

Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during operation.

Dimension (mm)	Quality	Article	Box
20x15	AXFR11 & A Fine	930086	20
20x20		930087	20
20x25		930088	20
25x15		930089	10
25x20		930093	10
25x30		930094	10
30x10		930095	10
30x15		930096	10
30x20		930097	10
30x30		915346	10
40x10		930098	10
40x15		930099	10
40x20		930103	10
40x30		915348	10
50x10		930104	10
50x15		965431	10
50x20		965432	10
50x30		915350	10
60x15		930105	10
60x20		930106	10
60x30		915354	10
60x40		930107	10
80x15		930108	10
80x20		930109	10
80x30		915358	10
80x40		930113	10
80x50		930114	10



Non-Woven Combi

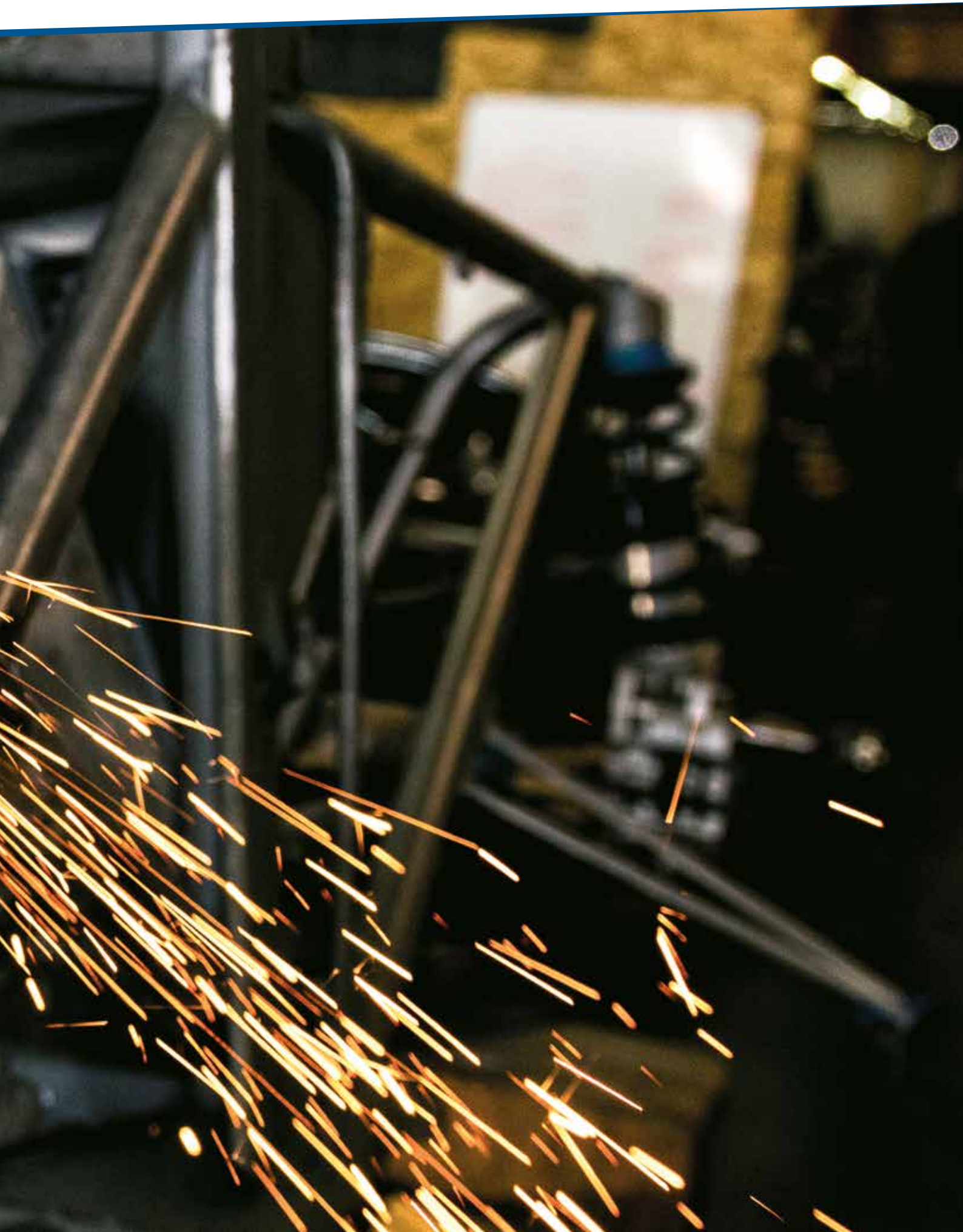
Suitable for surface preparation before polishing. Composed of abrasive cloth with 100 grit and A Fine quality non-woven. Abrasive cloth and non-woven combination allows both aggressive and sensitive grinding.

Dimension (mm)	Quality	Article	Box
20x15	AXFR11 & A Fine	930115	20
20x20		930116	20
20x25		930117	20
25x15		930118	10
25x20		930119	10
25x30		930123	10
30x10		930124	10
30x15		930125	10
30x20		930126	10
30x30		915363	10
40x10		930127	10
40x15		930144	10
40x20		930128	10
40x30		915365	10
50x10		930129	10
50x15		930133	10
50x20		965433	10
50x30		915367	10
60x15		930134	10
60x20		930135	10
60x30		915371	10
60x40		930136	10
80x15		930137	10
80x20		930138	10
80x30		915375	10
80x40		930139	10
80x50		930143	10

Quick Lock Discs



Karbosan quick lock discs are available in various specifications for polishing and sanding of small & narrow surfaces.



Product Types

Karbosan quick locked discs are generally used for sanding small and narrow areas. Thanks to easy installation, it increases efficiency by reducing operation time. Suitable for using light, pneumatic or hand-held machines.

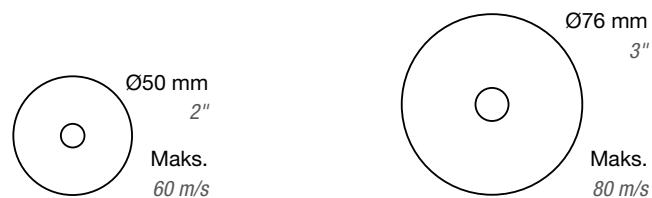
Abrasive	Features	Backing / Quality	Application	
AO Aluminum Oxide	AYXR11	YY Polyester Cloth	Ideal for sanding stainless steel and high alloy steels. YY polyester cloth backing with aggressive Aluminum Oxide abrasive.	
ZR Zirconia TOPSIZE	ZYYR51	YY Polyester Cloth	Ideal for sanding stainless steel, high alloy steel, heat resistant steel and cast iron materials. High stock removal and long life with YY polyester cloth backing with 100% Zirconia abrasive, also with friction and heat resistant Top Size coating.	
CE Ceramic TOPSIZE	CEYYR51	YY Polyester Cloth	Ideal for sanding stainless steel, high alloy steel, heat resistant steel and cast iron. YY polyester cloth backing with Ceramic abrasive, also with friction and heat resistant Top Size coating.	
AO Aluminum Oxide	Green	Fine / A Very Fine	Used for cleaning rust, old coating, machine or pencil traces on metal surfaces. High quality flexible discs are very suitable for obtaining a homogeneous surface. Ideal for stainless steel, carbon alloys, aluminum and other metals.	
AO Aluminum Oxide	Maroon	Medium / A Medium	Used for cleaning rust, old coating, machine or pencil traces on metal surfaces. High quality flexible discs are very suitable for obtaining a homogeneous surface. Ideal for stainless steel, carbon alloys, aluminum and other metals.	
AO Aluminum Oxide	Brown	Coarse / A Coarse	Used for cleaning rust, old coating, machine or pencil traces on metal surfaces. High quality flexible discs are very suitable for obtaining a homogeneous surface. Ideal for stainless steel, carbon alloys, aluminum and other metals.	
SC Silicon Carbide	Silicon Carbide Abrasive	-	Used for pre-weld operation on metal surfaces and soft grinding in paint, rust and oxidation removal.	

Application and Performance Table

- Perfect
- Suitable
- Possible

Abrasive	Dirt / Rust	Low Alloy Steel	Stainless Steel / Inox	High Alloy Steel / Heat Resistant Steel	Aluminium / Zamak	Brass / Cooper / Non Ferrous Metals	Cast Iron	Paint / Varnish / Lacquer	Performance
AO Aluminum Oxide <i>AYXR11</i>		●●	●●	●●	●●●	●●●	●●		Stock Removal ●●●○○ Lifetime ●●●○○
ZR TOPSIZE Zirconia <i>ZYR51</i>		●●●	●●●	●●●	●●	●●	●●●		Stock Removal ●●●●○ Lifetime ●●●●○
CE TOPSIZE Ceramic <i>CEYR51</i>		●●●	●●●	●●●	●●	●●	●●●		Stock Removal ●●●●● Lifetime ●●●●●
AO Aluminum Oxide <i>Green</i>	●	●●●	●●●	●●●	●●	●●	●●●	●●●	Stock Removal ●●●○○ Lifetime ●●○○○
AO Aluminum Oxide <i>Maroon</i>	●	●●●	●●●	●●●	●●	●●	●●●	●●●	Stock Removal ●●●○○ Lifetime ●●○○○
AO Aluminum Oxide <i>Brown</i>	●	●●●	●●●	●●●	●●	●●	●●●	●●●	Stock Removal ●●●○○ Lifetime ●●○○○
SC Silicon Carbide	●●●							●●●	Stock Removal ●●●●● Lifetime ●●●●●

Dimensions



Aluminum Oxide Quick Lock Discs



AO
Aluminum Oxide

Stock Removal ●●●○○
Lifetime ●●●○○

Product Code : AYXR11
Abrasive : Aluminum Oxide
Backing : YY Polyester Cloth
Grit Range : 16-600
Features : Ideal for sanding stainless steel and high alloy steels. YY polyester cloth backing with aggressive Aluminum Oxide abrasive.

Dimension (mm)	16	24	36	40	60	80	100	120	150	180	220	240	280	320	400	500	600	Box
50	992251	987379	955263	955264	955266	955267	955268	955269	955270	955271	955272	955273	955274	955275	955276	992256	992298	100
76	992299	987380	955277	955278	955280	955281	955282	955283	955284	955285	955286	955287	955288	955289	955290	992300	992301	100

Zirconia Quick Lock Discs



ZR TOPSIZE
Zirconia

Stock Removal ●●●●○
Lifetime ●●●●○

Product Code : ZYYR51
Abrasive : Zirconia
Backing : YY Polyester Cloth
Grit Range : 36-120
Features : Ideal for sanding stainless steel, high alloy steel, heat resistant steel and cast iron materials. High stock removal and long life with YY polyester cloth backing with 100% Zirconia abrasive, also with friction and heat resistant Topsize coating.

Dimension (mm)	36	40	60	80	100	120	Box
50	955291	955292	955294	955295	955296	955297	100
76	955298	955299	955301	955302	955303	955304	100

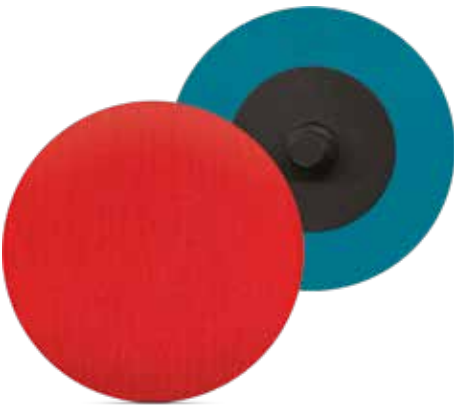


Ceramic Quick Lock Discs

CE TOPSIZE
Ceramic

Stock Removal ●●●●●●
Lifetime ●●●●●●

Product Code : CEYR51
Abrasive : Ceramic
Backing : YY Polyester Cloth
Grit Range : 24-120
Application : Ideal for sanding stainless steel, high alloy steel, heat resistant steel and cast iron. YY polyester cloth backing with Ceramic abrasive, also with friction and heat resistant Top Size coating.



Dimension (mm)	24	36	40	50	60	80	100	120	Box
50	983724	955305	955306	955307	955308	955309	955310	955311	100
76	987383	955312	955313	955314	955315	955316	955317	955318	100



Fine Non-Woven Quick Lock Discs



AO
Aluminum Oxide

Stock Removal ●●●○○
Lifetime ●●○○○

Abrasive : Aluminum Oxide
Colour : Green
Quality : Fine / A Very Fine
Features : Used for cleaning rust, old coating, machine or pencil traces on metal surfaces. High quality flexible discs are very suitable for obtaining a homogeneous surface. Ideal for stainless steel, carbon alloys, aluminum and other metals.

Dimension (mm)	Quality	Article	Box
50	Fine / A Very Fine	955319	100
76		955320	100

Medium Non-Woven Quick Lock Discs



AO
Aluminum Oxide

Stock Removal ●●●○○
Lifetime ●●○○○

Abrasive : Aluminum Oxide
Colour : Maroon
Quality : Medium / A Medium
Features : Used for cleaning rust, old coating, machine or pencil traces on metal surfaces. High quality flexible discs are very suitable for obtaining a homogeneous surface. Ideal for stainless steel, carbon alloys, aluminum and other metals.

Dimension (mm)	Quality	Article	Box
50	Medium / A Medium	955321	100
76		955322	100

Coarse Non-Woven Quick Lock Discs



AO

Aluminum Oxide

Stock Removal ● ● ● ● ●
Lifetime ● ● ● ● ●

Abrasive : Aluminum Oxide
Colour : Brown
Quality : Coarse / A Coarse
Features : Used for cleaning rust, old coating, machine or pencil traces on metal surfaces. High quality flexible discs are very suitable for obtaining a homogeneous surface. Ideal for stainless steel, carbon alloys, aluminum and other metals.

Dimension (mm)	Quality	Article	Box
50	Coarse / A Coarse	955323	100
76		955324	100

SC Unitized Quick Lock Discs



SC

Silicon Carbide

Stock Removal ● ● ● ● ●
Lifetime ● ● ● ● ●

Abrasive : Silicon Carbide
Features : Used for pre-weld operation on metal surfaces and soft grinding in paint, rust and oxidation removal.

Dimension (mm)	Quality	Article	Box
50	Silicon Carbide	955325	100
76		955326	100

Contact



1 | Headquarters

Söğütlüçeşme Mahallesi, Halkalı Caddesi, No.: 253, Küçükçekmece 34295 - İstanbul / Turkey

+90 212 698 90 90 | +90 212 698 90 96 | export@karbosan.com.tr

2 | Bonded & Coated Abrasive Plant

Veliköy OSB, Sanayi Bulvarı, No.: 76/A, Çerkezköy 59500 - Tekirdağ / Turkey

+90 282 736 86 86 | info@karbosan.com.tr

3 | France Office

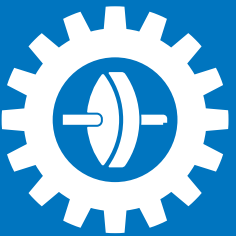
302, Avenue de Neuville, ZA Les Chênes Bâtiment N°6 78950 Gambais / France

+33 (1) 61 39 78 01 | info@karbosan.fr

Notes

Notes

Notes



Headquarters

Söğütliçeşme Mah. Halkalı Cad.
No.: 253 Küçükçekmece 34295
İstanbul / Turkey

☎ (+90 212) 698 90 90

☎ (+90 212) 698 90 96

@ export@karbosan.com.tr

🌐 /karbosan

🌐 /karbosan