

2021



PRODUCT
CATALOGUE
2019

www.wingsabrasives.com

Wings®

abrasive solutions

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

With 52 years of experience in the 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.

Content



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

2 Application Areas	18
Industries	20

3 Innovation and New Products	22
New Product with Compact Grain	24
New Products with Ceramic Abrasive Grains	24
New Hook&Loop Discs	25
New Saw Sharpening Wheel	26
Rail Cut-Off Discs	26
New Zirconia Thinline Cut-Off Discs	27
New Precision Grinding Wheels	27

4 Products	32
Bonded Abrasives	34
Technical Information	36
Abrasive Grains	36
Revolution and Peripheral Speed Values	36
Types	37
Pictogram and Symbols	38
Safety Recommendations for Use	39
Precautions Against Possible Risks	39
Technical Table	40



Organic Bonded Products	42
Cut-Off Discs	44
Technical Information	46
Label Information	46
Specifications Definition	46
Material Pictograms and Colors	47
Types	47
Usage Recommendations and Information	47
Thin Line Cut-Off Discs	48
Metal	48
Stainless Steel (Inox)	49
Aluminium	50
Plus Thin Line Cut-Off Discs	52
Zirconium	52
Cut & Cut	53
Cut-Off Discs	54
Metal	54
Stainless Steel (Inox)	55
Aluminium	56
Cast Iron	57
Marble	58
Plus Cut-Off Discs	59
Industry Metal	59
ZA Cast Iron	60
AC Cast Iron	61
Stationary Machine Cut-Off Discs	62
Metal	62
Cast Iron	63
Petrol Saw Cut-Off Discs	64
Cast Iron	64
Rail Cut-Off Discs	65
Metal	65
Plus Rail Cut-Off Disc	66
Zirconia	66

Grinding Discs	68
Technical Information	70
Label Information	70
Specifications Definition	70
Material Pictograms and Colors	71
Type	71
Usage Recommendations and Information	71
Grinding Discs	72
Metal	72
Stainless Steel (Inox)	73
Cast Iron	74
Aluminum	75
Plus Grinding Discs	76
Metal	76
ZA Cast Iron	77

Grinding Wheels	78
Conical Cup Wheels	80
Flat Cup Wheels	80
Marble & Mosaic Cup Wheels	81
NK Recess Grinding Discs	81



Inorganic Bonded Products	82
Grinding Wheels	84
Aluminum Oxide Grinding Wheels	86
SCG Diamond Sharpening Wheels	87
Steel Grinding Wheels	88
Glass Grinding Wheels	90
Cyristal Grinding Wheels	91
Aluminum Oxide Mosaic Scrubbing Stones	92
Scythe Sharpener	93
Saw Sharpening	94
NK Saw Sharpening	96
EKR Saw Sharpening	97
Tool Sharpening	98
Form D Cup Wheels	100
Form E Conical Cup Wheels	101

Diamond Blades	102
Segmented Diamond Blades	104
Continuous Rim Diamond Blades	105
Turbo Diamond Blades	106
Wave Turbo Diamond Blades	107

Coated Abrasives	116
Technical Information	118
Abrasive Grains	118
Coating	119
Product Code Information	120
Backings	120
Product Selection and Storage Conditions	121
Technical Table	122
Abrasive Belts & Rolls	124
Technical Information	126
Dimensions	126
Joint Forms	127
Safety Pictograms	127
F Weight Paper	128
AFR71	128
CFR91	129
ZFR91	130
CEFR91	131
J Cotton Cloth	132
AJR11	132
J Flexible Cotton Cloth	134
AJFR12	134
AJFR11	135
J Flexible Poly-Cotton Cloth	136
AJFR13	136
AJFR10	137
CJFR11	138
CJFR31	139
CEF51	140
X Semi Flexible Cotton Cloth	141
AXFR11	141
X Standard Cotton Cloth	142
AXOP21	142
X Heavy Cotton Cloth	143
AXER11	143
ZXR11	144
X Heavy Poly-Cotton Cloth	145
AXPR11	145
ZXPR11	146
Y Poly-Cotton Cloth	147
ZXPR22	147
CEY51	148
YY Polyester Cloth	149
AYXR11	149
ZYYR11	150
ZYYR51	151
CYXR11	152
CEYYR21	153
CEYYR51	154
AGYYR21	155
Z Polyester Cloth	156
CZR71	156
Vulcanized Fibre	157
AWER11	157
AWR11	158
CWR11	160
ZWR11	161
ZWR51	162
CER51	163

Content

Flap Discs	164
Technical Information	166
Product Category Information	166
Types and Diameters	167
Advantages of Flap Discs	167
Label Information	167
Product Types	168
Application and Performance Table	169
Label Information	169
Aluminum Oxide Eco Flap Discs	170
Zirconium Eco Flap Discs	171
Zirconium Inox Flap Discs	172
Jumbo Flap Discs	173
Aluminum Oxide Flap Discs	174
Zirconium Flap Discs	176
Gold Flap Discs	177
Ceramic Standard Density	178
Fibre Discs	180
Technical Information	182
Product Category Information	182
Application and Performance Table	183
Types and Diameters	183
Product Types	184
Product Backside Information	185
Silicon Carbide Fibre Discs	186
Aluminum Oxide Eco Fibre Discs	187
Aluminum Oxide Fibre Discs	188
Zirconia Fibre Discs	190
Zirconia Topsize Fibre Discs	191
Ceramic Fibre Discs	192



Hook & Loop Discs	194
Technical Information	196
Product Category Information	196
Application and Performance Table	197
Product Types	198
Types and Diameters	199
Hole Diameters	199
F Paper Hook & Loop Discs	200
Silicon Carbide	200
Aluminum Oxide	201
Zirconia	202
Ceramic	203
X Cotton Cloth Hook & Loop Discs	204
Aluminum Oxide	204
Zirconia	205
YY Polyester Cloth Hook & Loop Discs	206
Aluminum Oxide	206
Zirconia	207
Ceramic	208
Sheet and Sponges	210
Sheet Abrasives	212
Latex AO Waterproof Sandpaper	212
Latex SC Waterproof Sandpaper	212
Non-Woven Sheet	213
Sponge Abrasive	213
Flap Wheels	214
Technical Information	216
Product Types	216
Application and Performance Table	217
Type and Diameters	217
Spindle Mounted Flap Wheels	218
Sandpaper	218
Non-woven	219
Cloth and Non-woven	219
Flanged Lamellar Flap Wheels	220
Sandpaper	220
Non-woven	220
Cloth and Non-woven	220
Keyway Flap Wheels	222
Sandpaper	222
Non-woven	222
Cloth and Non-woven	222
Flap Type Flap Wheels	223
Non-woven	223
Cloth and Non-woven	223



5 Contact & Notes	224
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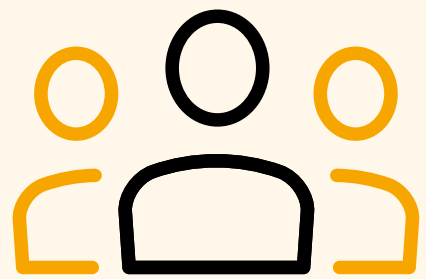
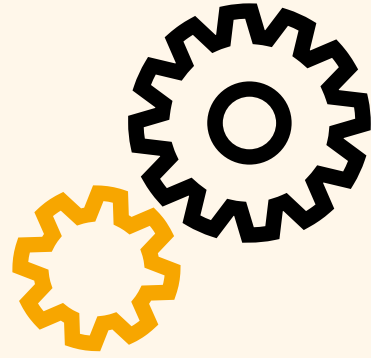
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Company Profile

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

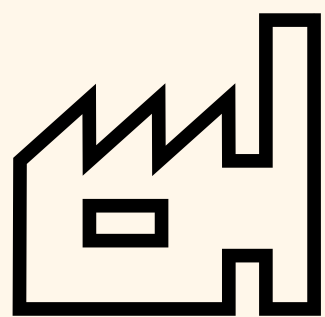
Numbers

52 since 1967
producing abrasives
years experience



550
employees

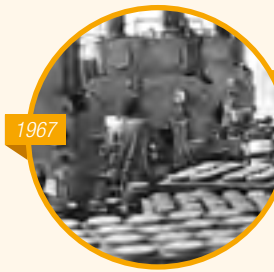
75+
exported countries



95 K m²
closed production area

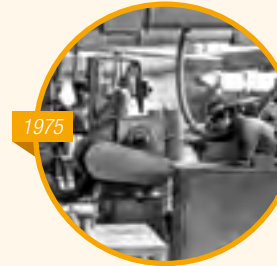
History

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2014
2015
2016
2017
2018



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.



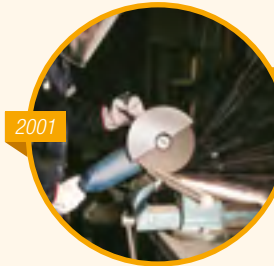
2000

Wings has TSE label since the beginning and its products was entitled by 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

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



2009

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



2017

Karbosan is celebrating its 50th anniversary as a strong player in abrasive industry.

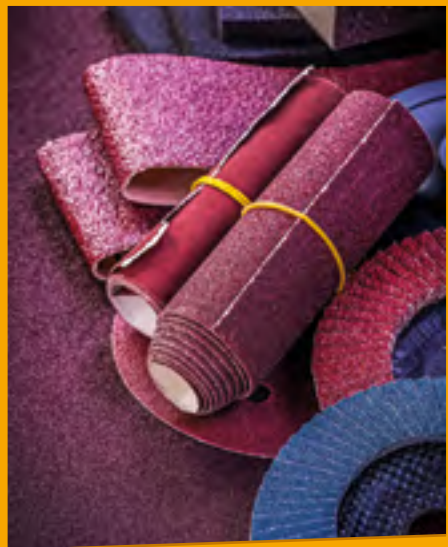
R&D



Wings 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.

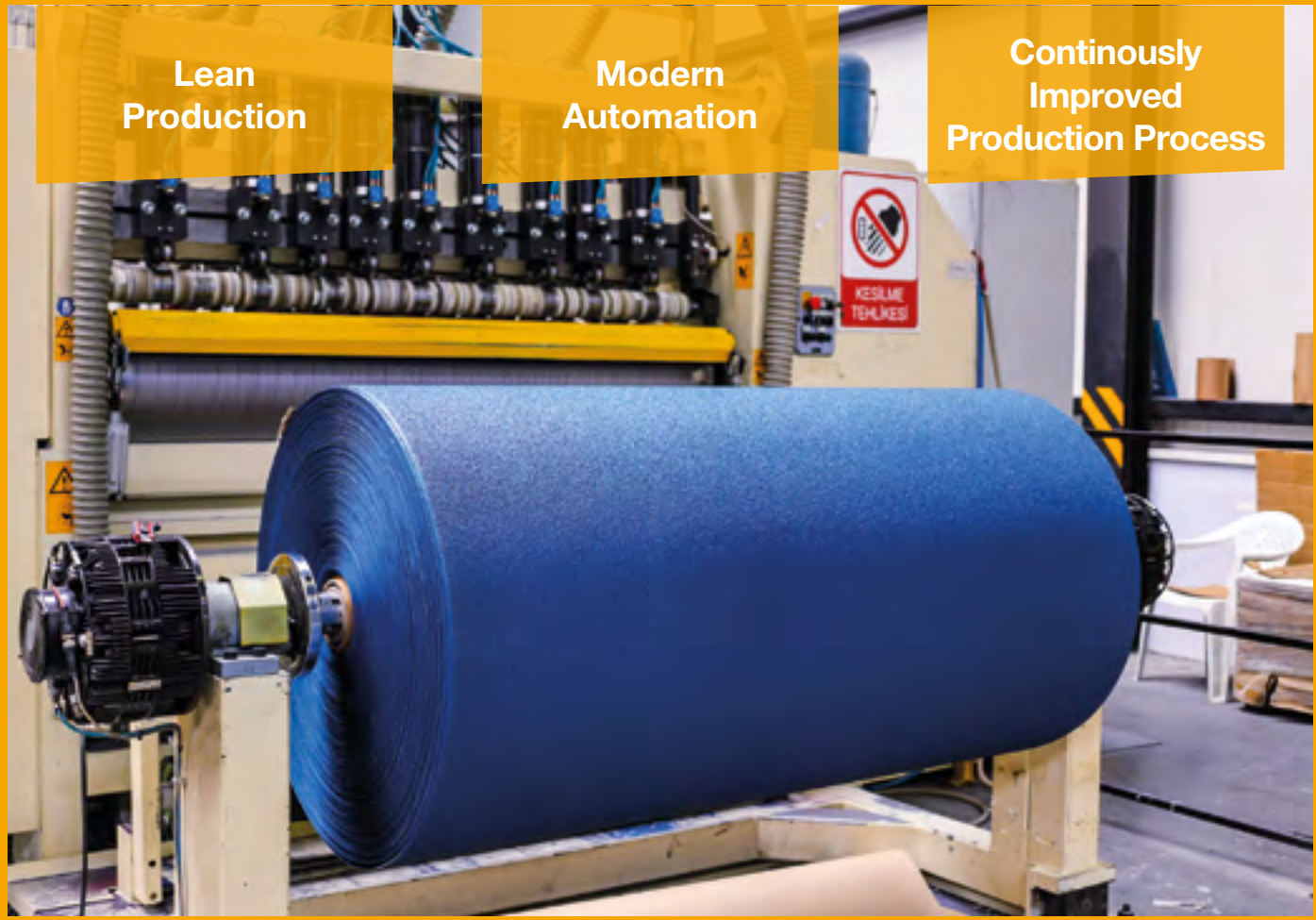
Production



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



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



Lean
Production

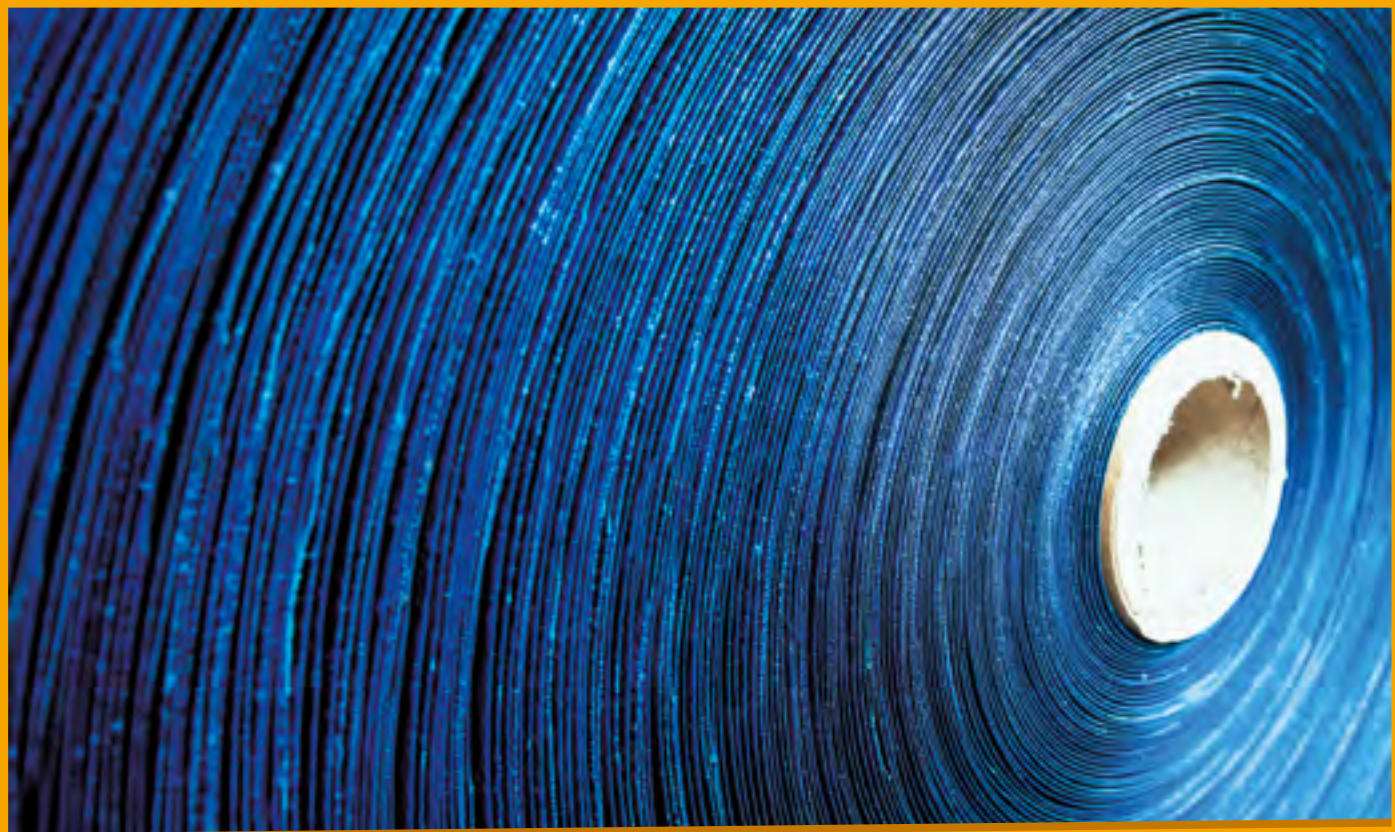
Modern
Automation

Continuously
Improved
Production Process



Wings aims to radically reduce product and prosess costs through cost efficien-
cy programs and sustainable operations.

Quality



Wings 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.

Wings quality laboratories are continuously improved with intensive innovation studies in order to produce efficient production.

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



Bonded Abrasives Quality Laboratory



Coated Abrasives Quality Laboratory

Certifications



ISO 9001:2008
Quality Management System
Certifications



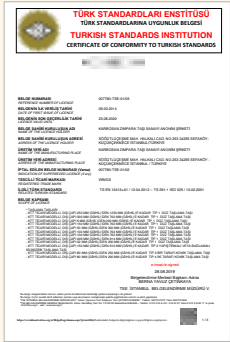
Karbosan is the first Turkish company manufacturing abrasive product certified with ISO 9001 Quality Management System.



Organization for
the Safety of Abrasives (OSA)
Membership Certification



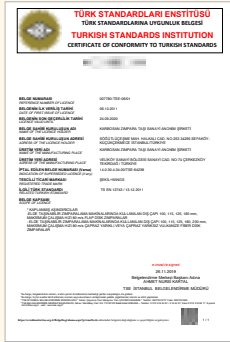
Karbosan is the first Turkish company as a member of Organization for the Safety of Abrasives (OSA) with its reliable production.



Turkish Standards Institute (TSE)
TS EN 12413 Certification



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



Turkish Standards Institute (TSE)
TS EN 13743 Certification



Wings 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.



Sales & Marketing



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



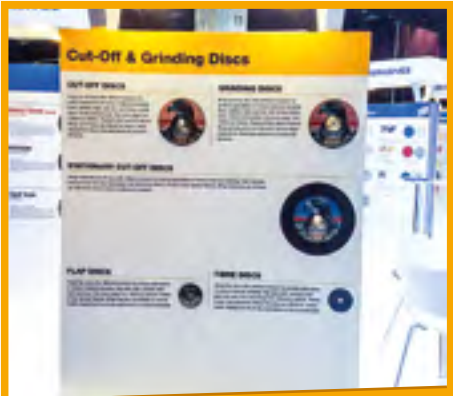
Website



Social Media



Catalog & Brochures



Exhibitions & Launches



Shop Designs



Promotions



Technical Support



Test & Training



Service

Strategy



Market Presence

Product Innovation

Cost Efficiency



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.



Wings 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



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



2

Application Areas

Industries



Wings offers a wide product range and a comprehensive service network for various industrial applications and different needs.



Metal & Construction



Wood & Furniture



Floor Sanding



Automotive



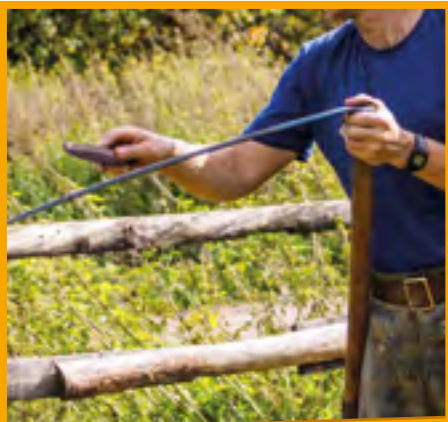
Shipyards



Foundry



Stone & Granite



Knives & Cutlery



Bearing & Cylinder



Railway & Transportation



Leather



Glazing



3

Innovation and
New Products

New Product with Compact Grain



New product with Compact Aluminum Oxide grain and YY Polyester backing is served as wide belts, endless belts and discs for continual and long lasting stock removal of high alloy steel, stainless steel and low alloy steel.

New Products with Ceramic Abrasive Grains



Focusing on Innovation and R&D studies, Wings launched new products with Ceramic Abrasive Grains for long lasting stock removal of high alloy steels. Generally served with friction and heat resistant Top Size coating.

New Hook & Loop Discs



Hook & Loop Discs are served in various types to meet different application needs with Silicon Carbide, Aluminum Oxide, Zirconium and Ceramic abrasive grains, wide grit range, various diameters and hole types.

New 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 Zirconia Thinline Cut-Off Discs



The addition of zirconium oxide provides a 25% increase in stainless steel cutting performance in particular. Higher performance was also achieved when cutting thin stainless steel sheets. The use of these abrasives, especially in precision casting, will increase productivity.

Rail Cut-Off Discs



Wings 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.

New Precision Grinding Wheels



Inorganic bonded grinding wheels and organic bonded grinding wheels are preferred in precision grinding applications. In this product group, Wings 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.

NOTES

NOTES

NOTES



4

Products

- Bonded Abrasives
- Diamond Blades
- Coated Abrasives

Bonded Abrasives

- [Technical Information](#)
- [Technical Table](#)
- [Organic Bonded Products](#)
- [Inorganic Bonded Products](#)



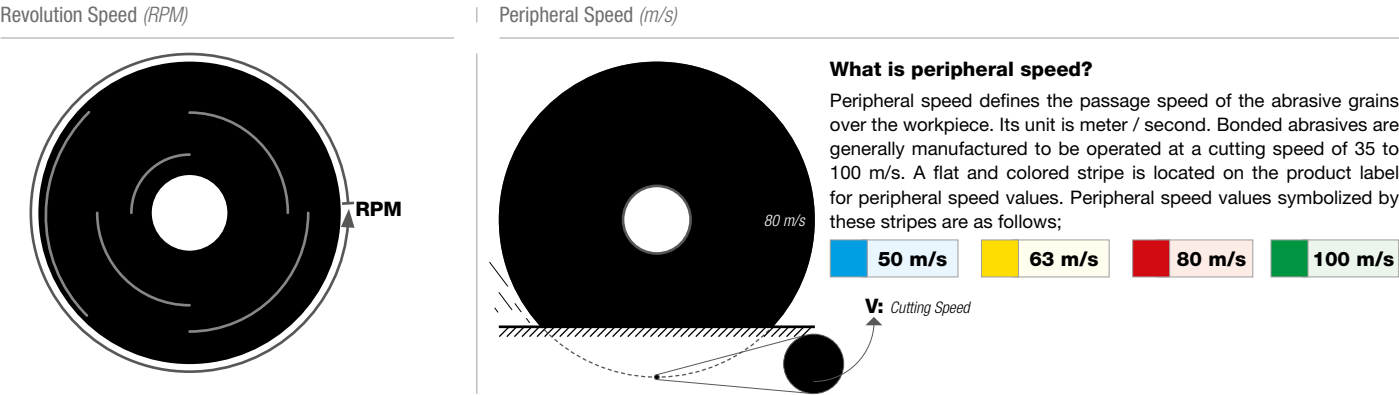
Abrasive Grains

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.



Speed Conversion Chart



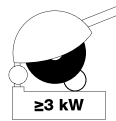
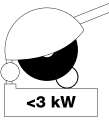
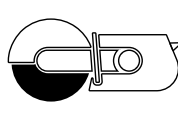
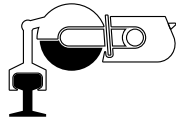
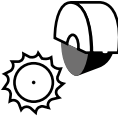
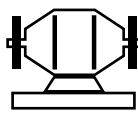
	External Diameter mm	Peripheral Speed m/s										
		16	20	25	32	35	40	45	50	63	80	100
	80	3.850	4.800	6.000	7.650	8.400	9.550	10.750	12.000	15.100	19.100	23.900
Revolution Speed 1/min or RPM	100	3.100	3.850	4.800	6.150	6.700	7.650	8.600	9.550	12.100	15.300	19.100
	115	2.700	3.350	4.200	5.350	5.850	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.

<p>Type 1 <i>Straight grinding wheel</i></p>	<p>Type 2 <i>Cylinder wheel, cemented or clamped</i></p>	<p>Type 3 <i>Wheel tapered on one side</i></p>	<p>Type 4 <i>Wheel tapered on both sides</i></p>
<p>Type 5 <i>Wheel, recessed on one side</i></p>	<p>Type 6 <i>Straight cup wheel</i></p>	<p>Type 7 <i>Wheel recessed on both sides</i></p>	<p>Type 9 <i>Double cup wheel</i></p>
<p>Type 11 <i>Taper cup wheel</i></p>	<p>Type 12 <i>Dish wheel</i></p>	<p>Type 13 <i>Saucer</i></p>	<p>Type 20 <i>Wheel relieved on one side</i></p>
<p>Type 21 <i>Wheel relieved on both sides</i></p>	<p>Type 22 <i>Wheel relieved on one side, recessed on the other side</i></p>	<p>Type 23 <i>Wheel relieved and recessed on one side</i></p>	<p>Type 24 <i>Wheel relieved and recessed on one side, recessed on the other side</i></p>
<p>Type 25 <i>Wheel relieved and recessed on one side, relieved on the other side</i></p>	<p>Type 26 <i>Wheel relieved and recessed on both sides</i></p>	<p>Type 27 <i>Depressed centre wheel for grinding or grinding / cutting including semiflexible wheels</i></p>	<p>Type 28 <i>Depressed centre grinding wheel Cone-shaped</i></p>
<p>Type 35 <i>Disc wheel, cemented or clamped</i></p>	<p>Type 36 <i>Inserted nut disc</i></p>	<p>Type 37 <i>Inserted nut cylinder</i></p>	<p>Type 38 <i>Single hubbed wheel</i></p>
<p>Type 39 <i>Double hubbed wheel</i></p>	<p>Type 40 <i>Wheel with single hub and a single recess on the other side</i></p>	<p>Type 41 <i>Flat cutting-off wheel</i></p>	<p>Type 42 <i>Depressed centre cutting-off wheel</i></p>

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!		Not Suitable For Portable Grinding Machine!
	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.

40

Organic Bonded Products

- Out-Off Discs
- Grinding Discs
- Grinding Wheels



Cut-Off Discs



Label Information

Dimension

Safety and Personal Protective Equipment Pictograms

Article and Type Pictogram

Brand

Specification

Manufacture Location

115 x 2.5 x 22.23
4 1/4" x 3/32" x 7/8"

MAX. RPM
13.300
80 m/s

OSA Membership Logo

Maximum Revolution and Maximum Operation Speed Information

Barcode

Turkish Standards Institute Compliance Logo

Application Area

Wings®

metal • steel • acier • stahl • acero

A 36 T BF80

Made in Turkey

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

Wings bonded abrasives are classified according to application types for full performance and safe use. This classification is indicated on the label by a pictogram, which shows application material, and a text. Also, each material is assigned with a color to represent the application material.

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.wingsabrasives.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

Product Description

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.

Type	Specification	Dimension (mm)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	A 54 R BF80	115 x 1.0 x22.23	80	25	300	869787 010445 1
		125 x 1.0 x22.23		25	300	869787 010465 9
	A 46 R BF80	115 x 1.6 x22.23	80	25	300	869787 010455 0
		125 x 1.6 x22.23		25	300	869787 010475 8
	A 36 R BF80	180 x 1.9 x22.23	80	25	150	869787 010485 7
		230 x 1.9 x22.23		25	150	869787 010495 6



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 (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)
Thin Line Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	AA 60 R BF80	115 x 0.8 x 22.23	80	25	300	869787 012495 4
		125 x 0.8 x22.23		25	300	869787 012505 0
	AA 54 R BF80	115 x 1.0 x22.23	80	25	300	869787 010385 0
		115 x 1.2 x22.23		25	300	869787 081685 0
	AA 54 T BF80	125 x 1.0 x22.23	80	25	300	869787 010405 5
		115 x 1.6 x22.23	80	25	300	869787 010395 1
	AA 46 R BF80	125 x 1.6 x22.23		25	300	869787 010415 4
		180 x 1.9 x22.23	80	25	300	869787 010425 3
T42	AA 36 R BF80	230 x 1.9 x22.23	80	25	300	869787 010435 2
		115 x 0.8 x22.23		25	150	869787 012515 4
	AA 60 R BF80	125 x 0.8 x22.23	80	25	100	869787 012555 5



THIN LINE CUT-OFF DISCS



Aluminium
Thin Line Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	A 54 Q BF80	115 x 1.0 x 22.23	80	25	200	869787 011035 3
		125 x 1.0 x 22.23		25	200	869787 011065 0
	A 46 Q BF80	115 x 1.6 x 22.23	80	25	200	869787 011045 2
		125 x 1.6 x 22.23		25	200	869787 011075 9
	A 36 Q BF80	180 x 1.9 x 22.23	80	25	150	869787 011095 7
		230 x 1.9 x 22.23		25	100	869787 011115 2



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



Zirconium
Plus Thin Line Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	ZA 46 R BF80	115 x 1.0 x 22.23	80	25	200	869149902515 9
		115 x 1.6 x 22.23		25	200	869149903571 4
		125 x 1.0 x 22.23		25	200	869149903573 8
		125 x 1.6 x 22.23		25	200	869149903575 2



PLUS THIN LINE CUT-OFF DISCS

Cut & Cut
Plus Thin Line Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	CuA 542 T BF80	115 x 1.0 x 22.23	80	25	300	869787 010505 2
		125 x 1.0 x 22.23		25	300	869787 010525 0
	CuA 462 T BF80	115 x 1.6 x 22.23	80	25	300	869787 010515 1
		125 x 1.6 x 22.23		25	300	869787 010535 9
	CuA 362 T BF80	180 x 1.9 x 22.23	80	25	250	869787 010825 1
		230 x 1.9 x 22.23		25	100	869787 010835 0



CUT-OFF DISCS



Metal
Cut-Off Discs

Product Description

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.

Type	Specification	Dimension (mm)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	A 36 T BF80	100 x 2.5 x16	80	25	200	869787 010015 6
		115 x 2.5 x22.23		25	200	869787 010025 5
		115 x 3.0 x22.23		25	200	869787 010915 9
		125 x 2.5 x22.23		25	200	869787 010065 4
		125 x 3.0 x22.23		25	200	869787 010925 8
		150 x 3.0 x22.23		25	150	869787 011185 5
		180 x 2.5 x22.23		25	120	869787 010935 7
		180 x 3.0 x22.23		25	150	869787 010045 3
		230 x 2.5 x22.23		25	100	869787 010945 6
		230 x 3.0 x22.23		25	100	869787 010055 2
T42	A 36 T BF80	100 x 2.5 x16	80	25	200	869787 010065 1
		115 x 2.5 x22.23		25	200	869787 010075 0
		115 x 3.0 x22.23		25	200	869787 010955 5
		125 x 2.5 x22.23		25	200	869787 010085 9
		125 x 3.0 x22.23		25	200	869787 010965 4
		180 x 2.5 x22.23		25	150	869787 010975 3
		180 x 3.0 x22.23		25	150	869787 010095 8
		230 x 2.5 x22.23		25	100	869787 010985 2
		230 x 3.0 x22.23		25	100	869787 010105 4



CUT-OFF DISCS

Stainless Steel (Inox)
Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	AA 24 S BF80	100 x 2.5 x16	80	25	200	869787 011015 5
		115 x 2.5 x22.23		25	200	869787 906036 9
		125 x 2.5 x22.23		25	200	869787 010205 1
		180 x 3.0 x22.23		25	150	869787 010215 0
		230 x 3.0 x22.23		25	100	869787 010225 9
T42	AA 24 S BF80	100 x 2.5 x16	80	25	200	869787 011025 4
		115 x 2.5 x22.23		25	200	869787 010235 8
		125 x 2.5 x22.23		25	200	869787 010245 7
		180 x 3.0 x22.23		25	150	869787 010255 6
		230 x 3.0 x22.23		25	100	869787 010265 5



CUT-OFF DISCS

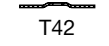


Aluminium
Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
 T42	A 36 Q BF80	115 x 3.0 x22.23	80	25	200	869787 011055 1
		125 x 3.0 x22.23		25	200	869787 011085 8
		180 x 3.0 x22.23		25	150	869787 011105 3
		230 x 3.0 x22.23		25	100	869787 011125 1



CUT-OFF DISCS

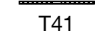
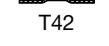
Cast Iron
Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
 T41	C 30 S BF80	100 x 2.5 x16	80	25	200	869787 011695 9
		115 x 2.5 x22.23		25	200	869787 010275 4
		125 x 2.5 x22.23		25	200	869787 010285 3
		180 x 3.0 x22.23		25	150	869787 010295 2
		230 x 3.0 x22.23		25	100	869787 010305 8
 T42	C 30 S BF80	100 x 2.5 x16	80	25	200	869787 011725 3
		115 x 2.5 x22.23		25	200	869787 010315 7
		125 x 2.5 x22.23		25	200	869787 010325 6
		180 x 3.0 x22.23		25	150	869787 010335 5
		230 x 3.0 x22.23		25	100	869787 010345 4



CUT-OFF DISCS



Marble
Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	C 30 R BF80	180 x 3.2 x22.23	80	25	150	869787 012725 2
		230 x 3.5 x22.23		25	100	869787 012735 1
T42	C 30 R BF80	180 x 3.2 x22.23	80	25	150	869787 012105 2
		230 x 3.5 x22.23		25	100	869787 012035 2



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

Industry Metal
Plus Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	A 30 T BF80	100 x 2.5 x16	80	25	200	869787 010995 1
		115 x 2.5 x22.23		25	200	869787 010115 3
		125 x 2.5 x22.23		25	200	869787 010125 2
		180 x 3.0 x22.23		25	150	869787 010135 1
		230 x 3.0 x22.23		25	100	869787 010145 0
T42	A 30 T BF80	100 x 2.5 x16	80	25	200	869787 011005 6
		115 x 2.5 x22.23		25	200	869787 010155 9
		125 x 2.5 x22.23		25	200	869787 010165 8
		180 x 3.0 x22.23		25	150	869787 010175 7
		230 x 3.0 x22.23		25	100	869787 010185 6



PLUS CUT-OFF DISCS



ZA Cast Iron
Plus Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	ZA 30 TX BF80	115 x 3.0 x22.23	80	25	200	869787 011595 2
		125 x 3.0 x22.23		25	200	869787 011605 8
		180 x 3.0 x22.23		25	150	869787 011615 7
		230 x 2.5 x22.23		25	100	869787 012445 9
		230 x 4.0 x22.23		25	100	869149 904651 2
T42	ZA 30 TX BF80	115 x 3.0 x22.23	80	25	200	869787 011195 4
		125 x 3.0 x22.23		25	200	869787 011205 0
		180 x 3.0 x22.23		25	150	869787 011215 9
		230 x 2.5 x22.23		25	100	869787 012455 8
		230 x 3.2 x22.23		25	100	869787 011225 8



PLUS CUT-OFF DISCS

AC Cast Iron
Plus Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	AC 36 SX BF80	115 x 3.0 x22.23	80	25	200	869787 011495 5
		125 x 3.0 x22.23		25	200	869787 011505 1
		180 x 3.0 x22.23		25	150	869787 011515 0
		230 x 3.0 x22.23		25	100	869787 011525 9
		230 x 3.5 x22.23		25	100	869787 011535 8
T42	AC 36 SX BF80	115 x 3.0 x22.23	80	25	200	869787 011545 7
		125 x 3.0 x22.23		25	200	869787 011555 6
		180 x 3.0 x22.23		25	150	869787 011565 5
		230 x 3.0 x22.23		25	100	869787 011575 4
		230 x 3.5 x22.23		25	100	869787 011645 4



STATIONARY MACHINE CUT-OFF DISCS



Metal
Stationary Machine Cut-Off Discs

Product Description

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.

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

Type	Specification	Dimension (mm)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	A 36/46 P BF80	300 x 2.8 x25.4	80	25	50	869787 011445 0
		350 x 3.0 x25.4		25	-	869787 011455 9

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

Type	Specification	Dimension (mm)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	A 36/46 P BF80	300 x 3.5 x25.4	80	25	50	869787 012005 5
		350 x 3.5 x25.4		25	-	869787 011475 7
		400 x 4.0 x25.4		10	-	869787 011485 6
		300 x 3.0 x22.23		25	50	869787 011715 4
		300 x 3.0 x25.4		25	50	869787 010845 9
		300 x 3.0 x30		25	50	869787 010855 8
	A 30/36 P BF80	300 x 3.0 x32	80	25	50	869787 011765 9
		350 x 3.5 x22.23		25	-	869787 011795 6
		350 x 3.5 x25.4		25	-	869787 010865 7
		350 x 3.5 x30		25	-	869787 010875 6
		350 x 3.5 x32		25	-	869787 011805 2
		400 x 4.0 x25.4		10	-	869787 010885 5
		400 x 4.0 x40		10	-	869787 010895 4
		500 x 5.0 x40		5	-	869787 011295 1
		500 x 5.0 x50		5	-	869787 010905 0



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

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	C 24 S BF80	300 x 3.5 x 20	80	25	50	869787 011395 8
		300 x 3.5 x22.23		25	50	869787 011405 4
		300 x 3.5 x25.4		25	50	869787 011415 3
		300 x 3.5 x32		25	50	869787 011785 7



PETROL SAW CUT-OFF DISCS



Cast Iron
Petrol Saw Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	C 24 S BF100	350 x 4.0 x20	100	25	-	869787 011425 2
		350 x 4.0 x25.4		25	-	869787 011635 5



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

Metal
Rail Cut-Off Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	A 36 R BF100	300 x 3.5 x20	80	25	50	869787 011335 4
		300 x 3.5 x22.23		25	50	869787 011345 3
		300 x 3.5 x25.4		25	50	869787 011465 8
		300 x 3.5 x32	100	25	50	869787 011775 8
		350 x 4.0 x20		25	—	869787 011385 9
		350 x 4.0 x22.23		25	—	869787 011375 0
		350 x 4.0 x25.4		25	—	869787 011365 1



PLUS RAIL CUT-OFF DISC



Zirconia
Plus Rail Cut-Off Discs

Product Description

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.

Type	Specification	Dimension (mm)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
T41	ZA 30 R BF100	300 x 3.5 x22.23	100	25	50	869787 011305 7
		350 x 4.0 x22.23		25	—	869787 011315 6
		350 x 4.0 x25.4		25	—	869787 011325 5



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



Label Information

Dimension

Safety and Personal Protective Equipment Pictograms

Article and Type Pictogram

Brand

Specification

Manufacture Location



115 x 6,4 x 22,23
4 1/8" x 1/4" x 7/8"

MAX. RPM
13.300
80 m/s

OSA Membership Logo

Maximum Revolution and Maximum Operation Speed Information

Barcode

Turkish Standards Institute Compliance Logo

Application Area

Wings®

• metal • steel • acier • stahl • acero

A 24 RS BF80

Made in Turkey

Specifications Definition

A	24	RS	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	Medium L, M, N, O,	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	Hard P, Q, R, S,		
C Silicon Carbide		Very Hard T, U, V, W,		
ZA Zirconium				

Material Pictograms and Colors

Wings 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

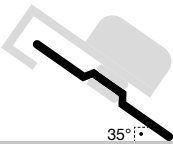
Stainless Steel (Inox)

Cast Iron

Aluminum

Type

T27 - 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.wingsabrasives.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







Product Description























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.

Type	Specification	Dimension (mm)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
 T27	A 24 RS BF80	100 x 6.4 x 16	80	10	80	869787 0105458
		115 x 6.4 x 22.23		10	80	869787 0105557
		125 x 6.4 x 22.23		10	80	869787 0105656
		180 x 6.4 x 22.23		10	60	869787 0105755
		180 x 8.0 x 22.23		10	60	869787 0105854
		180 x 10 x 22.23		5	30	869787 0105953
		230 x 6.4 x 22.23		10	40	869787 0106059
		230 x 8.0 x 22.23		10	40	869787 0106158
		230 x 10 x 22.23		5	20	869787 0106257



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

Stainless Steel (Inox) Grinding Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
 T27	AA 24 P BF80	115 x 6.4 x 22.23	80	10	80	869787 0106851
		125 x 6.4 x 22.23		10	80	869787 0106950
		180 x 6.4 x 22.23		10	60	869787 0107056
		180 x 8.0 x 22.23		10	60	869787 0107155
		230 x 6.4 x 22.23		10	40	869787 0107254



GRINDING DISCS




Cast Iron Grinding Discs



Product Description






















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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
 T27	C 24 S BF80	115 x 6.4 x 22.23	80	10	80	869787 010735 3
		125 x 6.4 x 22.23		10	80	869787 010745 2
		180 x 6.4 x 22.23		10	60	869787 010755 1
		180 x 8.0 x 22.23		10	60	869787 010765 0
		230 x 6.4 x 22.23		10	40	869787 010755 9



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

Aluminium Grinding Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
 T27	A 24 N BF80	115 x 6.4 x 22.23	80	10	80	869787 011235 7
		125 x 6.4 x 22.23		10	80	869787 011245 6
		180 x 6.4 x 22.23		10	60	869787 011255 5
		180 x 8.0 x 22.23		10	60	869787 011845 8
		230 x 6.4 x 22.23		10	40	869787 011265 4



PLUS GRINDING DISCS




Metal
Plus Grinding Discs








Product Description






















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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
 T27	A 30 Q BF80	115 x 6.4 x22.23	80	10	80	869787 010635 6
		125 x 6.4 x22.23		10	80	869787 010645 5
		180 x 6.4 x22.23		10	60	869787 010655 4
		180 x 8.0 x22.23		10	60	869787 010665 3
		230 x 6.4 x22.23		10	40	869787 010675 2
		230 x 8.0 x22.23		10	40	869787 011435 1



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


ZA Cast Iron
Plus Grinding Discs

Product Description

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)	Peripheral Speed (m/s)	Box	M. Box	Barcode / Article
 T27	ZA 24 R BF80	180 x 7.0 x22.23	80	10	60	869149 903577 6
		180 x 8.0 x22.23		10	60	869149 903579 0
		230 x 7.0 x22.23		10	40	869787 010815 2



Grinding Wheels




CONICAL CUP WHEELS



Product Description

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)	Peripheral Speed (m/s)	Grit	Shirink	Barcode / Article
 T11	SC 16 L5 BB	100 × 50 ×M14	45	16	4	869787 014205 7
		125 × 50 ×M14		16	4	869787 016028 0
	SC 24 L5 BB	100 × 50 ×M14	45	24	4	869787 016025 9
		125 × 50 ×M14		24	4	869787 016029 7


MARBLE & MOSAIC CUP WHEELS

Product Description

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)	Peripheral Speed (m/s)	Grit	Shirink	Barcode / Article
 T11	SC 16 L5 BB	110 × 58 ×22.23	45	16	4	869149 903587 5
	SC 24 L5 BB	110 × 58 ×22.23	45	24	4	869787 016026 6


FLAT CUP WHEELS



Product Description

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)	Peripheral Speed (m/s)	Grit	Shirink	Barcode / Article
 T6	SC 16 L5 BB	100 × 50 ×M14	45	16	5	869149 903581 3
		125 × 50 ×M14		16	5	869787 016027 3
	SC 24 L5 BB	100 × 50 ×M14	45	24	5	869149 903583 7
		125 × 50 ×M14		24	5	869149 903585 1

Inorganic Bonded Products

- Grinding Wheels
- Saw Sharpening
- Tool Sharpening



Grinding Wheels




ALUMINUM OXIDE GRINDING WHEELS



Product Description

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 Grit	36 Grit	46 Grit	60 Grit	Shrink
 T1	75 x 13 x10	35	•	903836	903225	903301	5
	100 x 13 x10		•	903856	903228	903303	5
	100 x 16 x20		•	903858	903230	903306	5
	125 x 16 x16		•	903860	903238	903308	5
	125 x 20 x20		903754	903862	903240	903311	5
	150 x 20 x20		903763	903864	903242	903313	5
	150 x 25 x20		903765	903866	903244	903317	5
	175 x 20 x20		903771	903868	903246	903322	5
	175 x 25 x20		903777	903870	903248	903335	5
	200 x 20 x20		903779	903879	903251	903337	5
	200 x 25 x20		903782	902517	903264	903339	5
	200 x 30 x20		903784	902519	903266	•	4
	200 x 32 x20		903786	902521	903268	•	4
	250 x 25 x25		903788	902523	903270	•	5
	250 x 30 x25		903790	902525	903272	•	4
	250 x 32 x25		903808	903210	903274	•	4
	250 x 40 x25		903810	903213	903276	•	2
	300 x 30 x30		903812	903215	903278	•	2
	300 x 32 x30		903814	903217	903279	•	2
	300 x 40 x30		903816	903219	903281	•	2
	350 x 40 x40		903818	903221	903284	•	2
	400 x 40 x40		903820	903223	903299	•	1




SCG DIAMOND SHARPENING WHEELS

Product Description

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)	Peripheral Speed (m/s)	Shrink	Barkod / Article
 T1	SCG 80 J 5 V	125 x 20 x20	35	5	869149 903341 3
		125 x 25 x20		5	869149 903343 7
		150 x 20 x20		5	869149 903345 1
		150 x 25 x20		5	869149 903347 5
		175 x 20 x20		5	869149 903349 9
		175 x 25 x20		5	869149 903351 2
		200 x 20 x20		5	869149 903353 6
		200 x 25 x20		5	869149 903362 8
		200 x 32 x20		5	869149 903366 6
		250 x 25 x25		5	869149 903375 8
		250 x 32 x25		3	869149 903377 2
		300 x 30 x30		2	869149 903379 6
		300 x 32 x30		2	869149 903381 9



STEEL GRINDING WHEELS

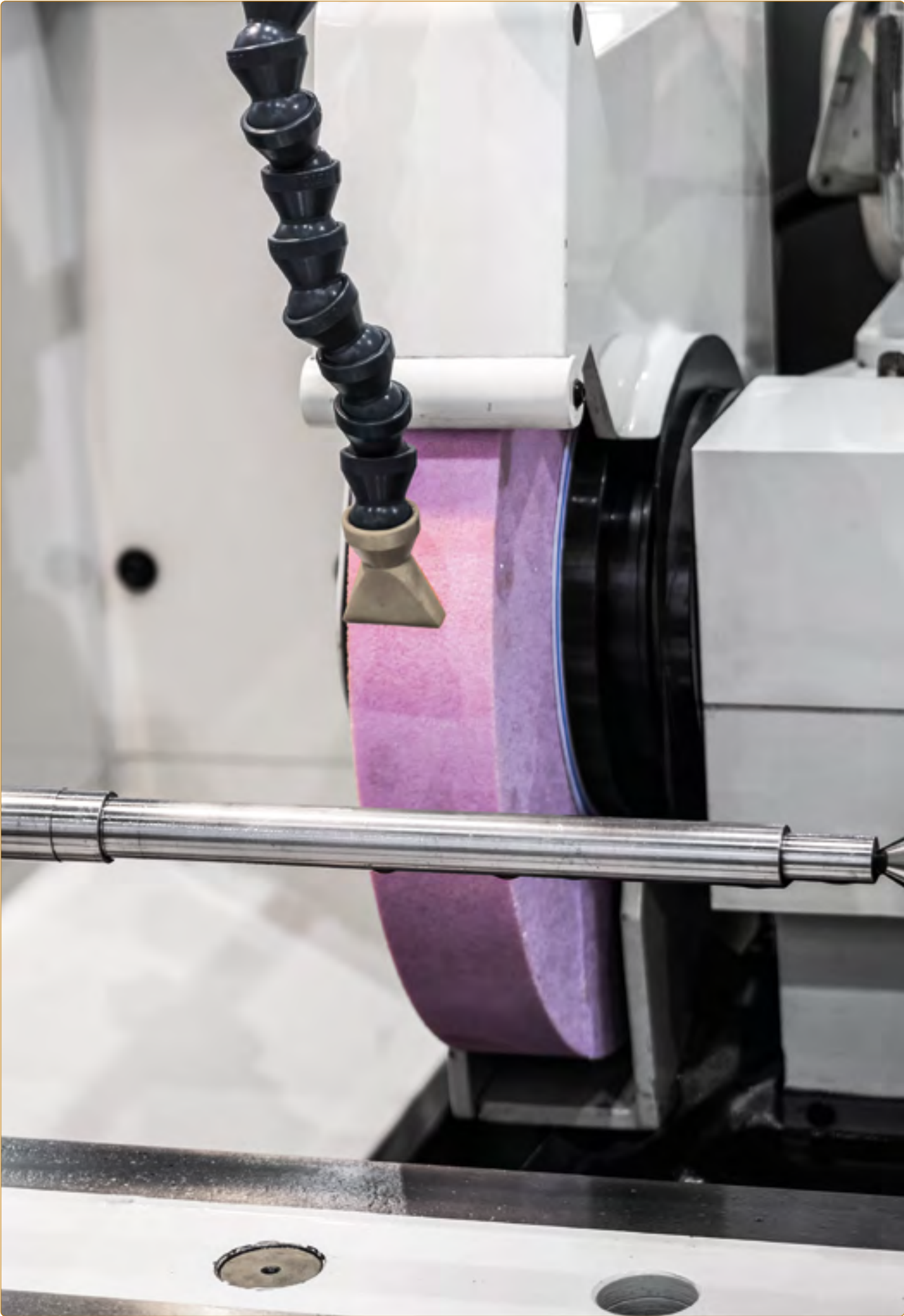


Product Description

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)	Peripheral Speed (m/s)	Shirink	Barkod / Article
<div><div></div><div>T1</div></div>	EKR 36 K6V	150 x 20 x20	35	5	8691499035899
		175 x 20 x20		5	8691499035912
		250 x 25 x76.2		5	8691499035936
		250 x 30 x76.2		3	8691499035950
		250 x 32 x76.2		3	8691499036162
		250 x 40 x76.2		2	8691499036186
		300 x 40 x127		2	8691499036209
		350 x 40 x127		2	8691499036223
		350 x 50 x127		1	8691499036247
		400 x 40 x127		1	8691499036261
		400 x 50 x127		1	8691499036285
	EKR 46 K6V	150 x 20 x20	35	5	8691499036308
		175 x 20 x20		5	8691499036445
		200 x 20 x20		5	8691499036537
		250 x 25 x76.2		5	8691499036551
		250 x 30 x76.2		3	8691499036674
		250 x 32 x76.2		3	8691499036698
		250 x 40 x76.2		2	8691499036711
		300 x 40 x76.2		2	8691499036742
		300 x 40 x127		2	8691499036766
		350 x 40 x127		2	8691499036780
		350 x 50 x127		1	8691499036803
		400 x 35 x127		1	8691499036834
	EKR 60 K6V	400 x 40 x127	35	1	8691499036858
		400 x 50 x127		1	8691499036872
		150 x 20 x20		5	8691499037060
		175 x 20 x20		5	8691499037084
		200 x 20 x20		5	8691499037107
		250 x 25 x76.2		5	8691499037121
		250 x 30 x76.2		3	8691499037145
		250 x 32 x76.2		3	8691499037169
		250 x 40 x76.2	35	2	8691499037183
		300 x 40 x76.2		2	8691499037206
		300 x 40 x127		2	8691499037213
		350 x 40 x127		2	8691499037442
		350 x 50 x127		1	8691499037466
		400 x 40 x127		1	8691499037503
		400 x 50 x127		1	8691499037527




GLASS GRINDING WHEELS



Product Description

Abrasive : Silicon Carbide

Features : Suitable for rodage in glass industry.

Type	Specification	Dimension (mm)	Peripheral Speed (m/s)	Shirink	Barkod / Article
 T1	SCG 100 L5 VN	300 × 30 ×30	35	1	869149903382 6
		350 × 35 ×30		1	869149903385 7



CRYSTAL GRINDING WHEELS



Product Description

Abrasive : Aluminum Oxide

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

Type	Specification	Dimension (mm)	Peripheral Speed (m/s)	Shirink	Barkod / Article
 T1	NK 80 M6 V130 YS	350 × 50 ×40	35	1	869149903387 1
		400 × 50 ×40		1	869149903389 5
 T5	NK 80 M6 V130 YS	350 × 50 ×40	35	1	869149903391 8
		180 × 30			
		400 × 50 ×40		1	869149903393 2
		180 × 30			

ALUMINUM OXIDE MOSAIC SCRUBBING STONES



Product Description

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

Specification	Dimension (mm)	Shirink	Barkod / Article
NK 16 Q5 V	100 × 50 ×25	20	•
	100 × 50 ×50	10	869149903395 6
	100 × 100 ×50	5	•
	200 × 100 ×50	3	•
NK 24 Q5 V	100 × 50 ×25	20	869149903397 0
	100 × 50 ×50	10	869149903399 4
	100 × 100 ×50	5	869149903401 4
	200 × 100 ×50	3	869149903403 8
NK 36 P5 V	100 × 50 ×25	20	869149903405 2
	100 × 50 ×50	10	869149903407 6
	100 × 100 ×50	5	869149903409 0
	200 × 100 ×50	3	869149903424 3
NK 46 Q5 V	100 × 50 ×25	20	869149903426 7
	100 × 50 ×50	10	869149903428 1
	100 × 100 ×50	5	869149903434 2



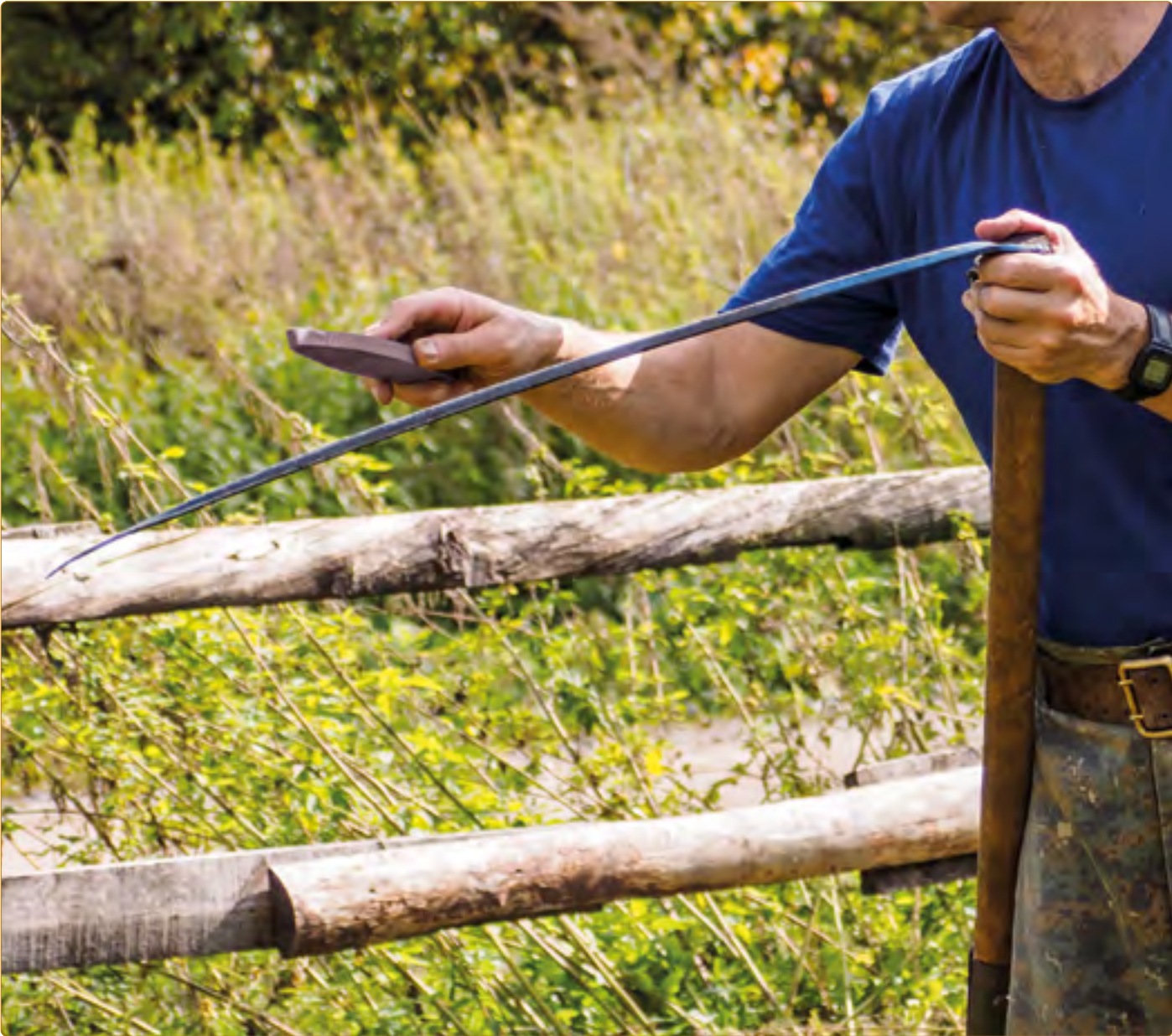
SCYTHER SHARPENER

Product Description

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



Specification	Dimension (mm)	Shirink	Barkod / Article
HK 150 P5 V	222 × 13 ×35	1	869149903438 0



Saw Sharpening




NK SAW SHARPENING



Product Description

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)	Peripheral Speed (m/s)	Shrink	Barcode / Article
 T1	NK 60	150 x 6.0 x20	35	10	869149903440 3
		150 x 8.0 x20		10	869149903442 7
		150 x 10 x20		10	869149903444 1
		175 x 8.0 x20		10	869149903453 3
		175 x 10 x20		10	869149903455 7
		200 x 8.0 x20		10	869149903457 1
		200 x 10 x20		10	869149903462 5
		250 x 10 x25		10	869149903464 9
	NK 80	150 x 6.0 x25	35	10	869149903466 3
		150 x 8.0 x20		10	869149903468 7
		150 x 10 x20		10	869149903470 0
		175 x 8.0 x20		10	869149903472 4
		175 x 10 x20		10	869149903483 0
		200 x 8.0 x20		10	869149903485 4
		200 x 10 x20		10	869149903487 8
		250 x 10 x25		10	•




EKR SAW SHARPENING

Product Description

Abrasive : Aluminum Oxide (EKR)

Features : Sharpening of round saws, band saws and other saw alternatives, long lasting without causing material burn, convenient cutting, 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)	Peripheral Speed (m/s)	Shrink	Barcode / Article
 T1	EKR 60	175 x 8.0 x20	35	10	869149903489 2
		175 x 10 x20		10	869149903512 7
		200 x 8.0 x20		10	869149903514 1
		200 x 10 x20		10	869149903517 2
		250 x 10 x25		10	869149903519 6

Tool Sharpening




FORM D CUP WHEELS



Product Description

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) - (DxTxH)	Peripheral Speed (m/s)	Shirink	Barcode / Article
 T6	EKR 60 K6 V	Form D - 50 (50x32x13)	35	5	869149 903521 9
		Form D - 75 (75x40x20)		5	869149 903523 3
		Form D - 100 (100x50x20)		5	869149 903525 7
		Form D - 125 (125x63x20)		5	869149 903527 1
		Form D - 150 (150x80x20)		4	869149 903543 1




FORM E CONICAL CUP WHEELS



Product Description

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) - (DxTxH)	Peripheral Speed (m/s)	Shirink	Barcode / Article
 T11	EKR 60 K6 V	Form E - 50 (50x25x13)	35	5	869149 903545 5
		Form E - 75 (75x30x20)		5	869149 903547 9
		Form E - 100 (100x35x20)		5	869149 903549 3
		Form E - 125 (125x45x20)		5	869149 903551 6
		Form E - 150 (150x50x20)		4	869149 903553 0

Diamond Blades

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



SEGMENTED DIAMOND BLADES



Product Description

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

Type	Dimension (mm)	Revolution Speed (m/s)	Box	M. Box	Barcode / Article
Normal	115 x 2.0 x22.23	80	1	-	869149950115 8
	180 x 2.2 x22.23		1	-	869149950125 7
	230 x 2.4 x22.23		1	-	869149950135 6
Flanged	180 x 2.2 x22.23	80	1	-	869149923212 0



CONTINUOUS RIM DIAMOND BLADE



Product Description

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)	Revolution Speed (m/s)	Box	M. Box	Barcode / Article
Normal	115 x 1.8 x22.23	80	1	-	869149950215 5
	180 x 2.0 x22.23		1	-	869149950225 4
	230 x 2.3 x22.23		1	-	869149950235 3



TURBO DIAMOND BLADES



Product Description

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)	Revolution Speed (m/s)	Box	M. Box	Barcode / Article
Normal	115 x 2.0 x 22.23	80	1	-	869149950315 2
	180 x 2.2 x 22.23		1	-	869149950325 1
	230 x 2.4 x 22.23		1	-	869149950335 0
Flanged	180 x 2.2 x 22.23	80	1	-	869149923213 7
	230 x 2.4 x 22.23		1	-	869149923214 4



Wave Turbo Diamond Blades



Product Description

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)	Revolution Speed (m/s)	Box	M. Box	Barcode / Article
Normal	115 x 2.2 x 22.23	80	1	-	869149950415 9
	180 x 2.4 x 22.23		1	-	869149950425 8
	230 x 2.6 x 22.23		1	-	869149950435 7
Flanged	180 x 2.4 x 22.23	80	1	-	869149923215 1
	230 x 2.6 x 22.23		1	-	869149950455 5



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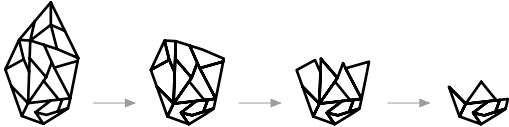

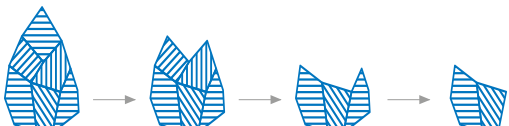
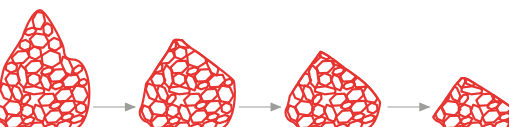
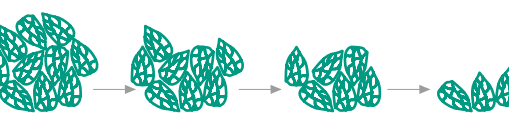
Coated Abrasives

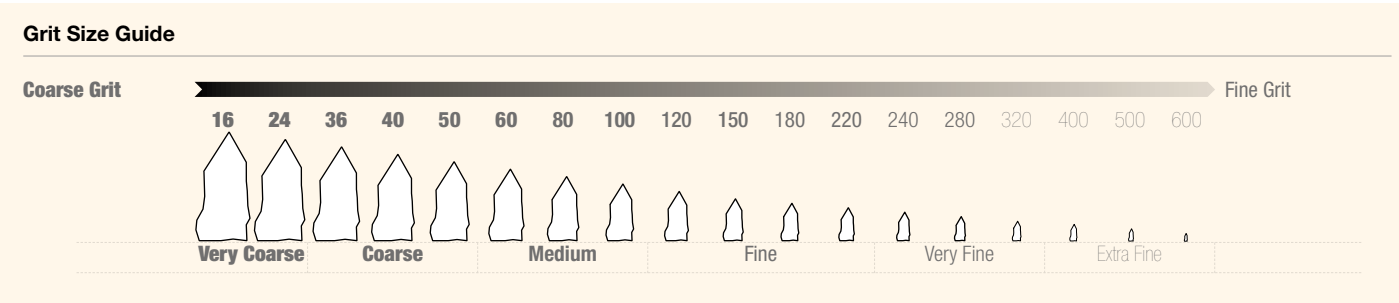
- [Technical Information](#)
- [Technical Table](#)
- [Abrasive Belts & Rolls](#)
- [Flap Discs](#)

- [Fibre Discs](#)
- [Hook & Loop Discs](#)
- [Sheets and Sponges](#)
- [Flap Wheels](#)

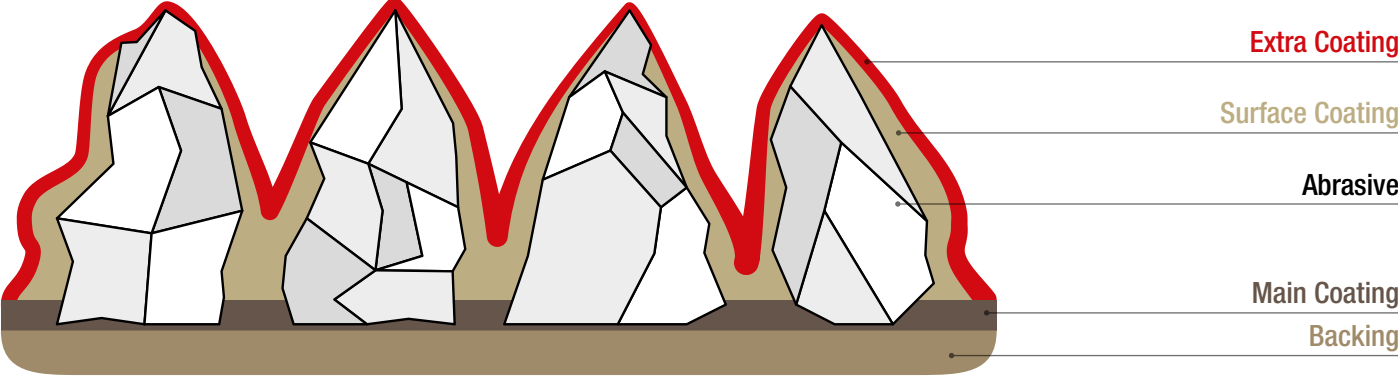


Abrasive Grains

Types of Abrasive Grains	Description	Hardness	Durability	Structure	Property and Wear Behavior
<div>SC</div> <div>Silicon Carbide</div>	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
<div>AO</div> <div>Aluminum Oxide</div>	Hard and durable abrasive for grinding of wood, metal and coatings	Hard	Tough	Crystalline, Irregular	 Wedge-shaped, block structured abrasive, macro wear
<div>ZR</div> <div>Zirconia</div>	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
<div>CE</div> <div>Ceramic</div>	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
<div>AG</div> <div>Compact Aluminum Oxide</div>	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



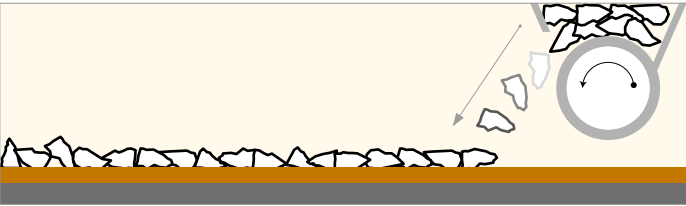
Coating



Coating	Coating Type	Description
Extra Coating	Top Size Coating	Friction and heat absorbant (cooler effect) Top Size coating that enhances the performance.
	Stearate 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.

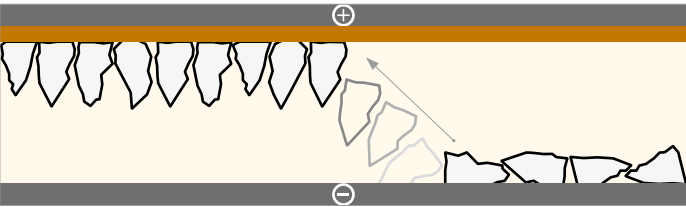
Gravity Coating

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.



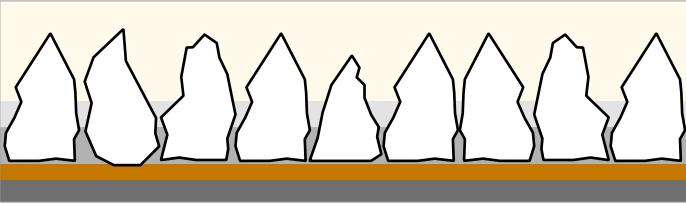
Electrostatic Coating

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.



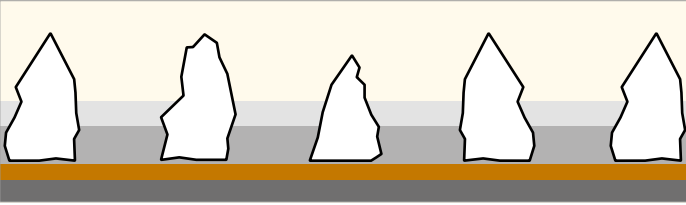
Closed Coating

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.

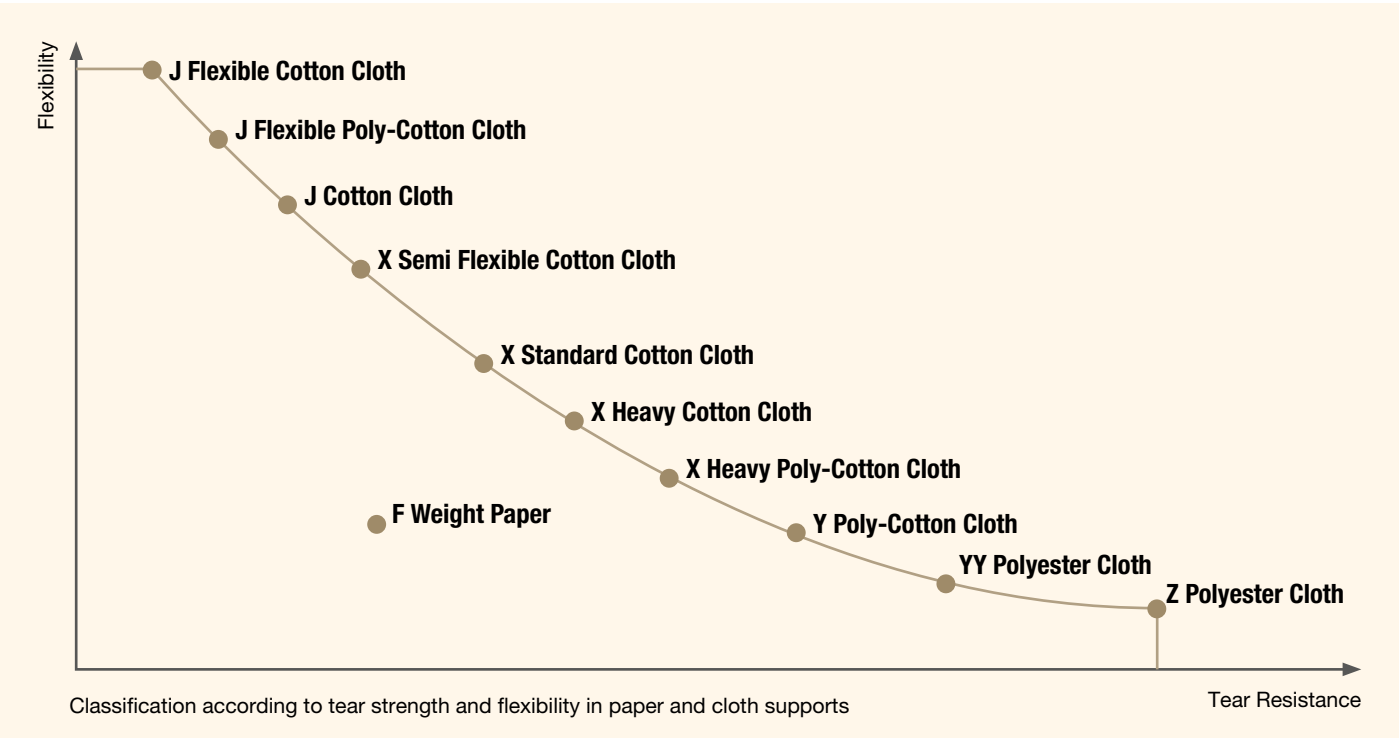


Product Code Information

A			XP			R			1			1		
Abrasive			Backing			Bond			Coating			Version		
A	Aluminum Oxide		F	F Paper		XP	X Heavy Poly-Cotton Cloth		R	Resin Over Resin		1	Close	
C	Silicon Carbide		J	J Cotton Cloth		XP / Y	Y Poly-Cotton Cloth		2	Semi-Open		2	Version	
Z	Zirconia		JF	J Flexible Cotton Cloth		YX / YY	YY Polyester Cloth		3	Stearate		0	Version	
CE	Ceramic		JF / F	J Flexible Poly-Cotton Cloth		Z	Z Polyester Cloth		5	Top Size				
AG	Compact		X / XE	X Standard Cotton Cloth		WE	Vulcanized Fibre (0.7mm)		7	Antistatic				
			X	X Heavy Cotton Cloth		W	Vulcanized Fibre (0.8mm)		9	Antistatic & Semi-Open				
			XF	X Semi Flexible Cotton Cloth										

Backings

Backing	Backing Type	Classification	Application Example
Paper	F Weight Paper	Heavy paper	Surface sanding (machine)
	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 Standard Cotton Cloth	Light, hard	Surfaces, edges, revolving bodies (machine)
	X Heavy Cotton Cloth	Heavy, 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)
Cloth	Z Polyester Cloth	Very heavy, very hard can be segmented	Surface sanding (machine)
	Vulcanized Fibre (0.7mm)	Light, economic	Light metalwork (hand grinder)
	Vulcanized Fibre (0.8mm)	Heavy, standard	Heavy metalwork (hand grinder)
	Vulcanized Fibre (0.85mm)	Heavy, hard	Very heavy metalwork (hand grinder)
Fibre			



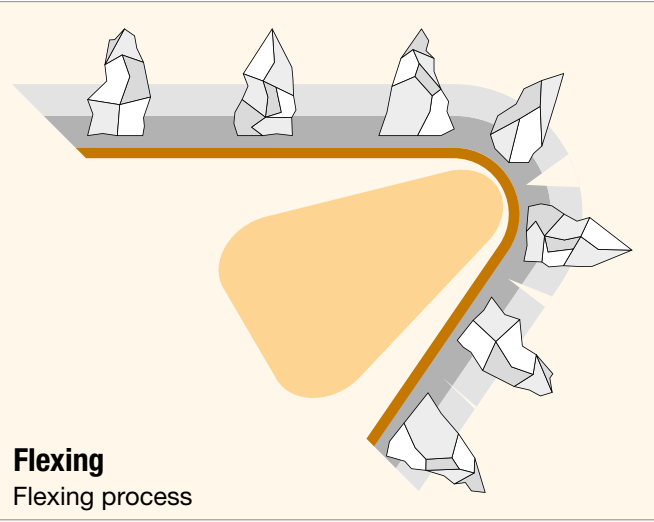
Product Selection and Storage Conditions

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, the special 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	
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	
Coating	Closed Coating		Semi-Open Coating		Open Coating	
Pressure	High		Medium		Low	
Workpiece Hardness	Soft				Hard	

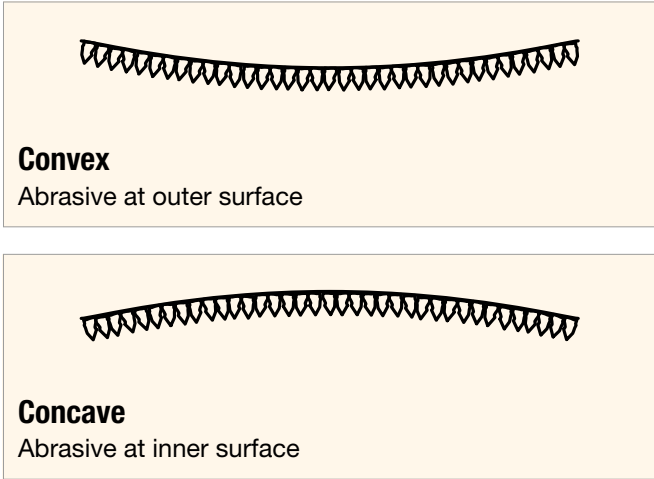
Temperature and humidity in storage conditions can cause the coated abrasive to curl over time.

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.

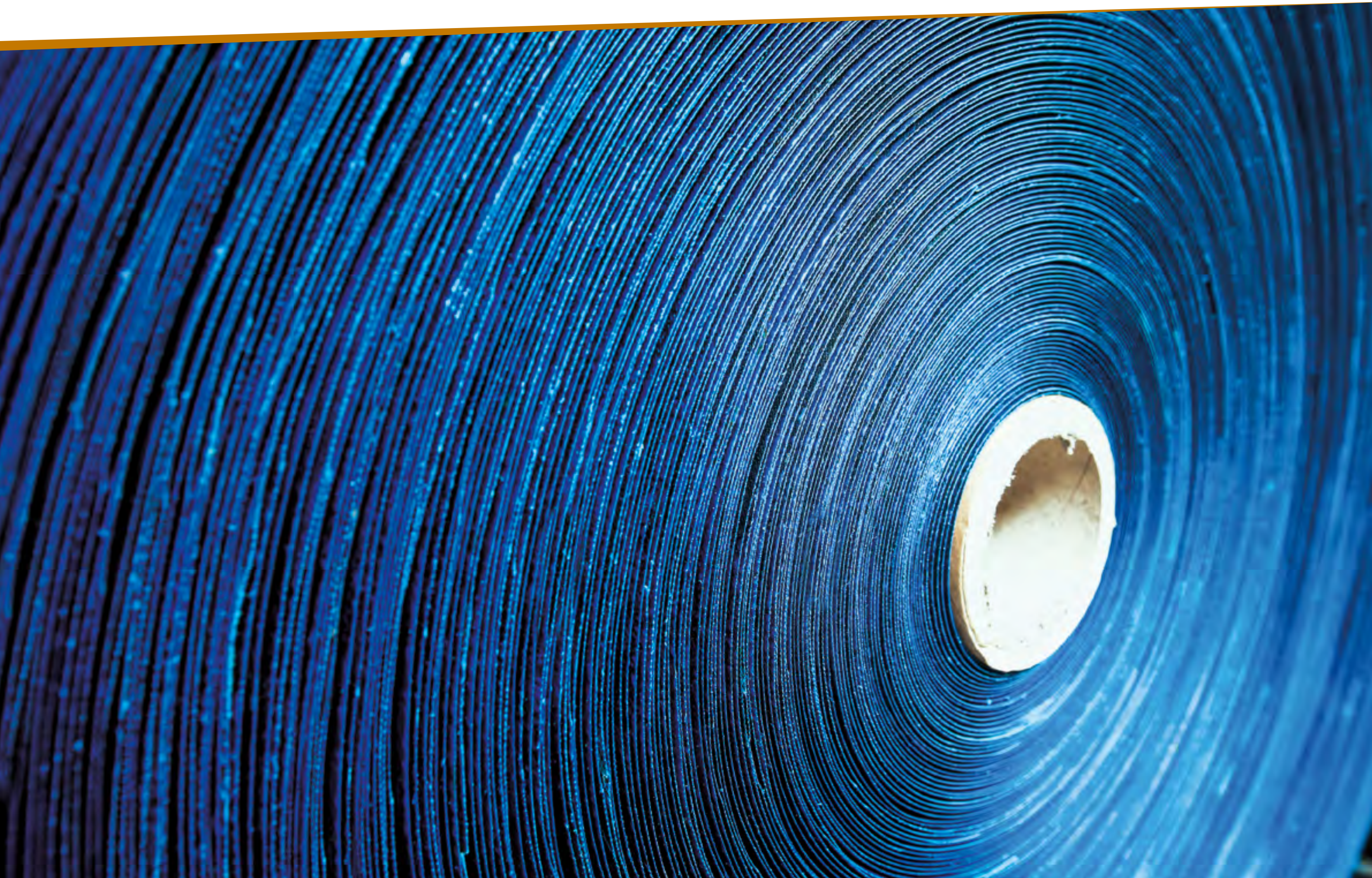
Observe the following for storage conditions;

- 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.

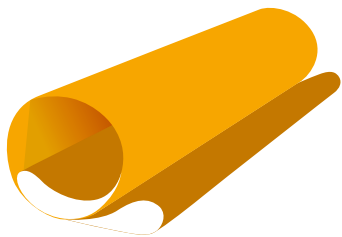


Abrasive Belts & Rolls

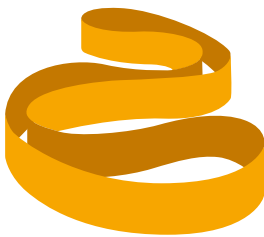
Coated abrasives are served as rolls and endless belts in desired dimensions and also as well as jumbo rolls with 1650mm width.



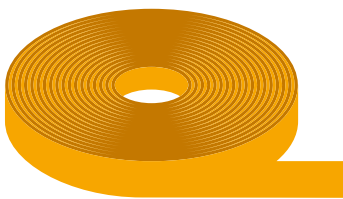
Dimensions



Wide Belt



Endless Belt



Abrasive Roll

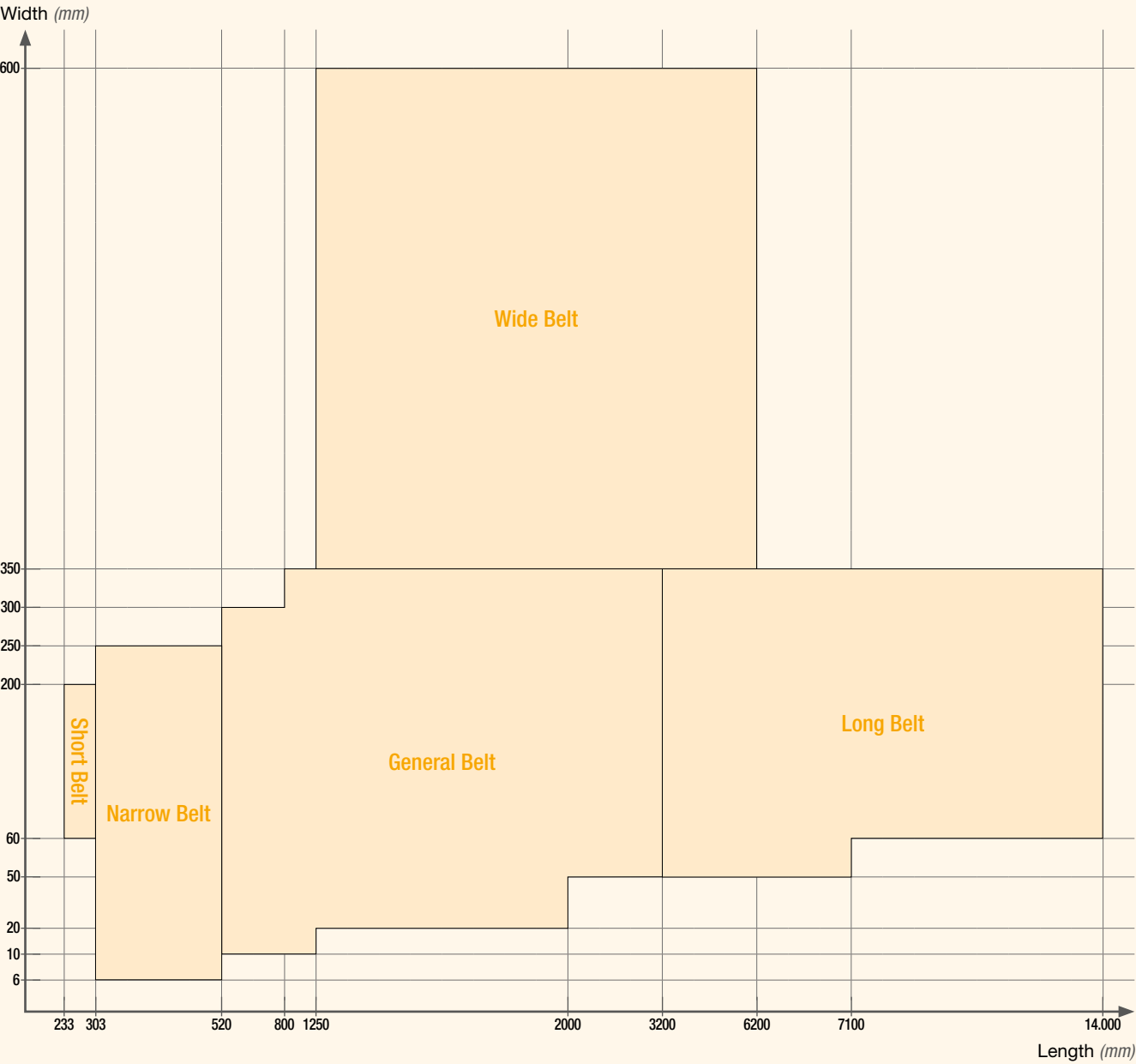
Endless belts can be produced in a wide range, width from 6mm to 2.600mm and length from 233mm to 14.000mm. Abrasive rolls can be produced in a wide range, width from 10mm to 1.650mm as jumbo roll width. Endless belt length is the total length in open form.

Jumbo products produced in 1.650mm width (and generally 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).

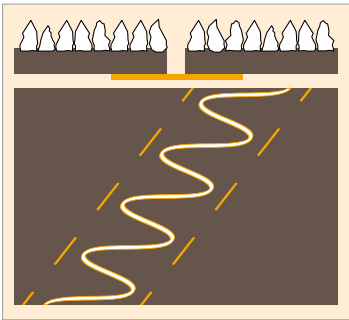
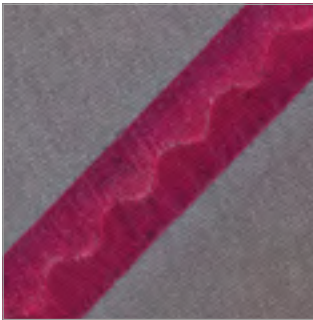
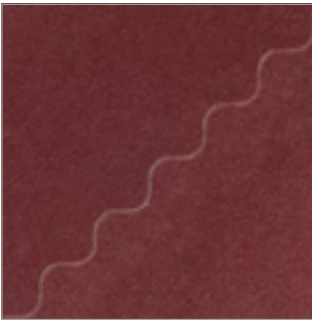
Endless Belt Dimension Graphic



Joint Forms

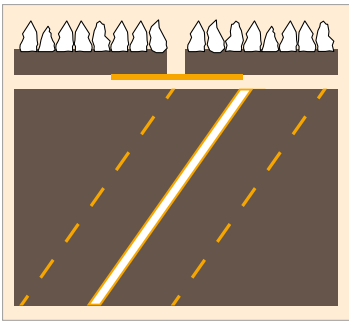
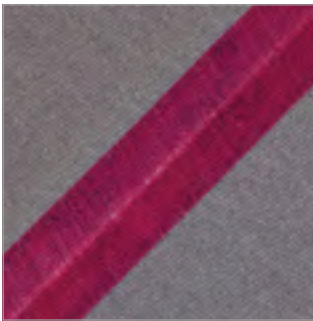
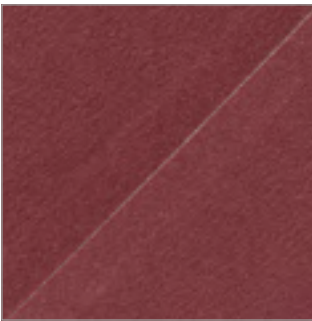
F1: Zigzag Film

Zigzag joint, with cloth-reinforced film backing, impact-free working at very sensitive parts, in particular glass.



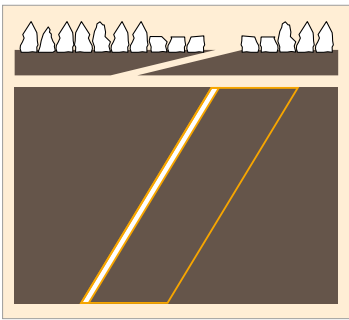
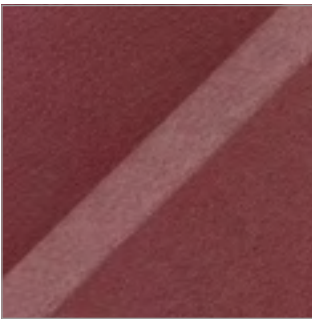
F2: Straight Film

Straight joint, with cloth-reinforced film backing, suitable for working on unsupported belts in hand.



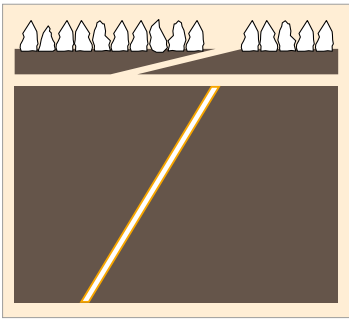
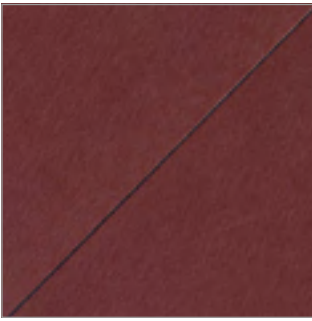
F3: Straight Overlap (Grit Zone Ground Off)

Straight overlapping glued joint, grit zone is slightly ground off, used for wood finishes with flat contact surfaces.



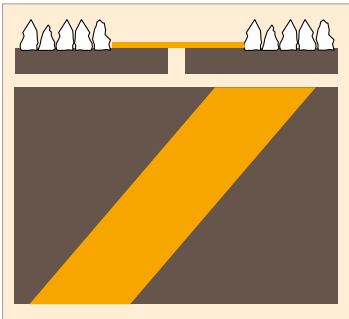
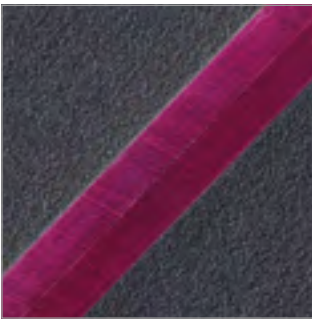
F4 :Straight Overlap (Standard Joint)

Straight overlapping glued joint. Suitable for metal and wood finishing applications with single and double joints. Especially used in precise surface applications with paper backings and finer grits.



F5: Straight Overlap (Foil on Grit Side)

Straight overlapping glued joint, foil used in grit side. Suitable for wood calibration applications with single and double joints. Especially used in thick backings.



Safety Pictograms



Wear Eye Protection



Wear Ear Protection



Wear a Mask



Wear Protection Gloves


AFR71




Product Description

Abrasive : Aluminum Oxide
Backing : F Weight Paper
Bond : Resin Over Resin
Coating : Antistatic & Closed
Grit Range : 40-600
Features : Ideal for wood, low alloy steel and stainless steel in wide belts, rolls and hook&loop discs. Antistatic F weight paper and also antistatic coating (which prevent the sticking of dust) with closed coated Aluminum Oxide abrasive.


			40	50	60	80	100	120	150	180	220	240	280	320	400	500	600
--	--	--	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----




Wide Belt




Endless Belt




Roll



Sheet



Disc



Hook & Loop Disc




CFR91




Product Description

Abrasive : Silicon Carbide
Backing : F Weight Paper
Bond : Resin Over Resin
Coating : Antistatic & Semi-Open
Grit Range : 36-400
Features : Ideal for wood in wide belts, rolls and hook&loop discs. Antistatic F weight paper and also antistatic coating (which prevent the sticking of dust) with semi-open coated Silicon Carbide abrasive.


			36	40	50	60	80	100	120	150	180	220	240	280	320	400		
--	--	--	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--	--




Wide Belt




Endless Belt




Roll



Sheet



Disc



Hook & Loop Disc



NEW

ZFR91



Product Description

Abrasive : Zirconia
Backing : F Weight Paper
Bond : Resin Over Resin
Coating : Antistatic & Semi-Open
Grit Range : 24-400
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 prevent the sticking of dust) with semi-open coated Zirconia abrasive.

	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400	
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Wide Belt



Endless Belt



Roll



Sheet






















Disc









Hook & Loop Disc



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	


CEFR91




Product Description

Abrasive : Ceramic
Backing : F Weight Paper
Bond : Resin Over Resin
Coating : Antistatic & Semi-Open
Grit Range : 24-220
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 prevent the sticking of dust) with semi-open coated Ceramic abrasive.


	24	36	40	50	60	80	100	120	150	180	220					
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Wide Belt




Endless Belt




Roll



Sheet



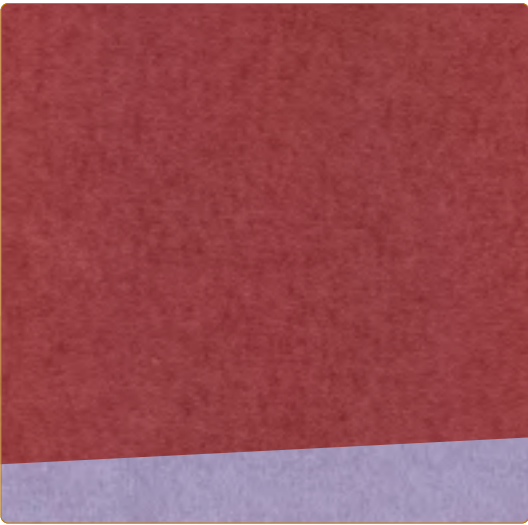
Disc



Hook & Loop Disc



AJR11



Product Description

Abrasive	: Aluminum Oxide
Backing	: J Cotton Cloth
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 40-400
Features	: Ideal for wood and metal in shoprolls and sheets. Flexible structure, easily tearable by hand.

			40	50	60	80	100	120	150	180	220	240	280	320	400		
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Roll



Shop Roll



Sheet



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

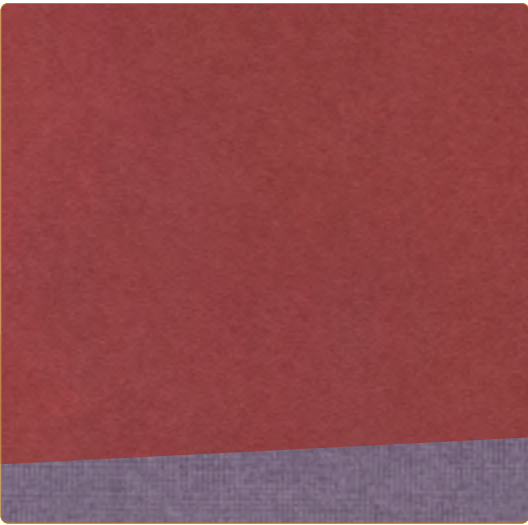
Application Method	
Polishing	
Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / 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	



AJFR12



Product Description

Abrasive : Aluminum Oxide
Backing : J Flexible Cotton Cloth
Bond : Resin Over Resin
Coating : Closed
Grit Range : 60-600
Features : Ideal for aluminium, zamak, brass, copper, non ferrous metal and wood in belts and rolls. J flexible cotton cloth backing with Aluminum Oxide abrasive. Flexible structure, ideal for furniture accessories, hardware and relevant sectors. Easily tearable by hand.

						60	80	100	120	150	180	220	240	280	320	400	500	600
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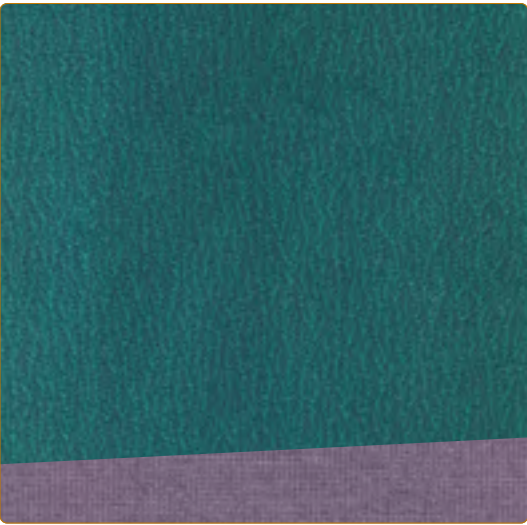
Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

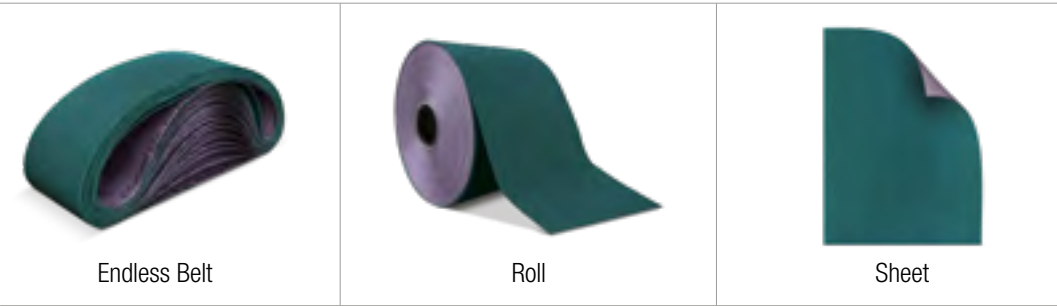
AJFR11



Product Description

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

						60	80	100	120	150	180	220	240	280	320	400	500	600
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NEW

AJFR13



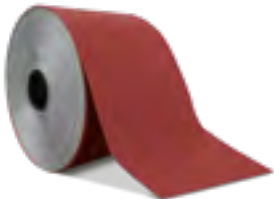
Product Description

- Abrasive : Aluminum Oxide
- Backing : J Flexible Poly-Cotton Cloth
- Bond : Resin Over Resin
- Coating : Closed
- Grit Range : 60-600
- Features : Ideal for low alloy steel, stainless steel, high alloy steel, heat resistant steel, aluminium and zamak in 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.

						60	80	100	120	150	180	220	240	280	320	400	500	600
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Endless Belt



Roll



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

AJFR10



Product Description

- Abrasive : Aluminum Oxide
- Backing : J Flexible Poly-Cotton Cloth
- Bond : Resin Over Resin
- Coating : Top Size & Closed
- Grit Range : 60-600
- Features : Ideal for low alloy steel, stainless steel, high alloy steel, heat resistant steel and cast iron in belts and rolls. J flexible poly-cotton cloth backing with Aluminum Oxide abrasive, also with friction and heat resistant Top Size 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	500	600
--	--	--	--	--	--	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



Endless Belt



Roll



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

CJFR11



Product Description

- Abrasive

: Silicon Carbide
- Backing

: J Flexible Poly-Cotton Cloth
- Bond

: Resin Over Resin
- Coating

: Closed
- Grit Range

: 60-320
- Features

: Ideal for brass, copper, non ferrous steel, aluminium and zamak in belts and rolls. J flexible poly-cotton cloth backing with Silicon Carbide abrasive. Flexible structure, ideal for armature, valve and relevant sectors.

					60	80	100	120	150	180	220	240	280	320			
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Endless Belt



Roll



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

CJFR31



Product Description

- Abrasive

: Silicon Carbide
- Backing

: J Flexible Poly-Cotton Cloth
- Bond

: Resin Over Resin
- Coating

: Stearate & Closed
- Grit Range

: 60-320
- Features

: Ideal for brass, copper, non ferrous steel, aluminium and zamak in belts and rolls. J flexible poly-cotton cloth backing with Silicon Carbide abrasive, also with anti-clogging Stearate coating. Flexible structure, ideal for armature, valve and relevant sectors.

					60	80	100	120	150	180	220	240	280	320			
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Endless Belt



Roll



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

CEF51



Product Description

Abrasive : Ceramic

Backing : J Flexible Poly-Cotton Cloth

Bond : Resin Over Resin

Coating : Top Size & Closed

Grit Range : 60-220

Features : Ideal for stainless steel, high alloy steel, heat resistant steel and cast iron in 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.

						60	80	100	120	150	180	220							
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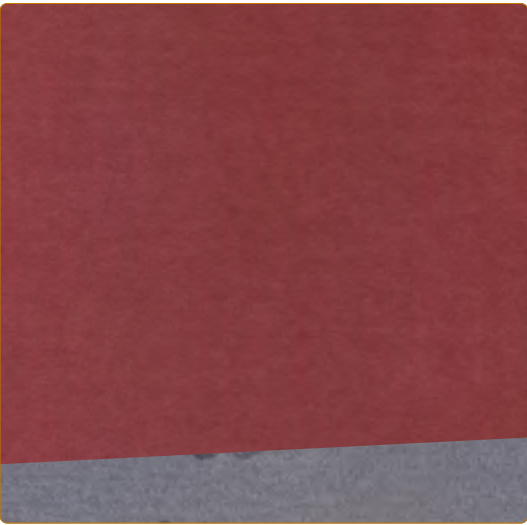
Endless Belt



Roll



AXFR11



Product Description

Abrasive : Aluminum Oxide

Backing : X Semi Flexible Cotton Cloth

Bond : Resin Over Resin

Coating : Closed

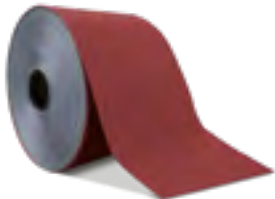
Grit Range : 40-600

Features : Ideal for sanding low alloy steel, stainless steel, rubber, plastic and leather in belts, rolls and flap wheels. X semi flexible cotton cloth backing with Aluminum Oxide abrasive. Flexible structure with long life. Easily tearable by hand.

				40	50	60	80	100	120	150	180	220	240	280	320	400	500	600	
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Endless Belt



Roll



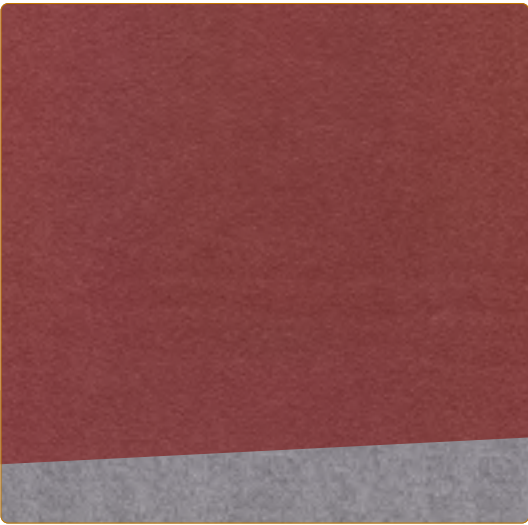
Flap Wheel on Flange



Shaft Mounted Flap Wheel



AXOP21



Product Description

Abrasive : Aluminum Oxide
Backing : X Standard Cotton Cloth
Bond : Resin Over Resin
Coating : Semi Open
Grit Range : 24-400
Features : Ideal for sanding wood, aluminium, zamak and low alloy steel in belts, rolls and hook&loop discs. X standard cotton cloth backing with semi open Aluminum Oxide abrasive.

	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400		
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Endless Belt



Roll



Sheet



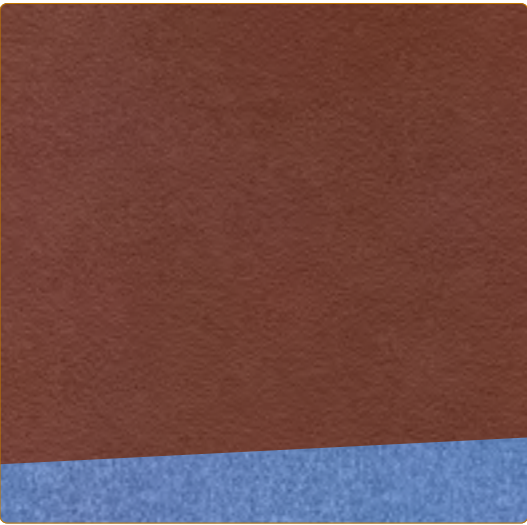
Disc



Hook & Loop Disc




AXER11




Product Description

Abrasive : Aluminum Oxide
Backing : X Heavy Cotton Cloth
Bond : Resin Over Resin
Coating : Closed
Grit Range : 36-120
Features : Ideal for sanding low alloy steel, aluminium, zamak, non ferrous steel and wood in belts, rolls and flap discs. X heavy cotton cloth backing with Aluminum Oxide abrasive.


		36	40	50	60	80	100	120								
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Endless Belt



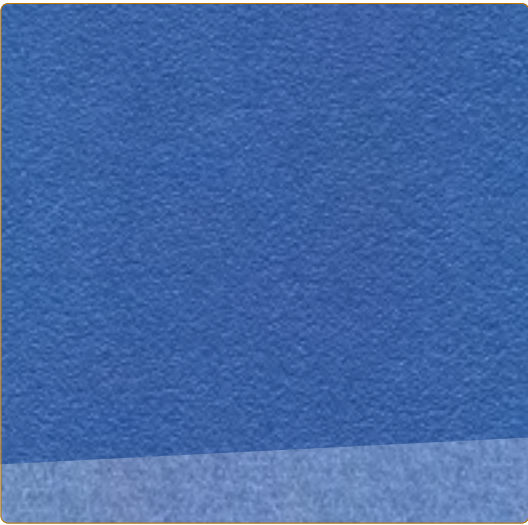
Roll



Flap Disc



ZXR11



Product Description

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

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



Endless Belt



Roll



Flap Disc



Disc



Hook & Loop Disc



AXPR11



Product Description

Abrasive : Aluminum Oxide
Backing : X Heavy Poly-Cotton Cloth
Bond : Resin Over Resin
Coating : Closed
Grit Range : 24-400
Features : Ideal for sanding low alloy steel, alumin-ium, zamak, non ferrous steel, cast iron and wood in belts, rolls and flap discs. X heavy poly-cotton cloth backing with Aluminum Oxide abrasive.

	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400				
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Endless Belt



Roll



Flap Disc



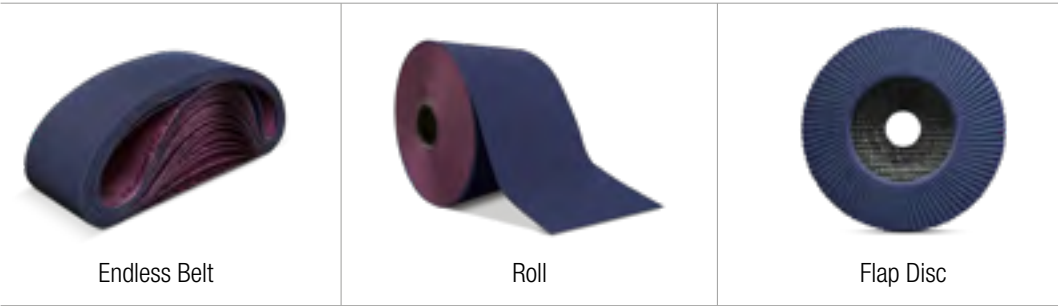
ZXPR11



Product Description

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, stain-less steel, high alloy steel, heat resistant steel, cast iron and wood in belts, rolls and flap discs. X heavy poly-cotton cloth backing with Zirconia abrasive.

24	36	40	50	60	80	100	120										
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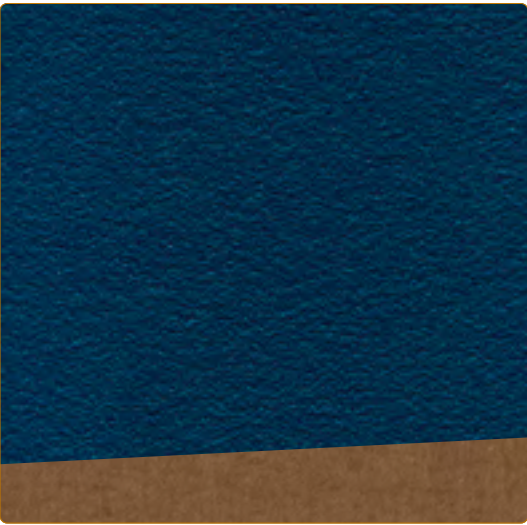
Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / 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	

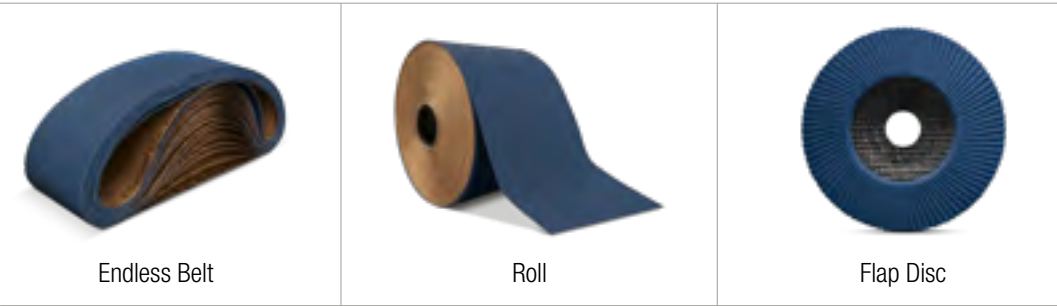
ZXPR22



Product Description

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

24	36	40	50	60	80	100	120										
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Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / 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	

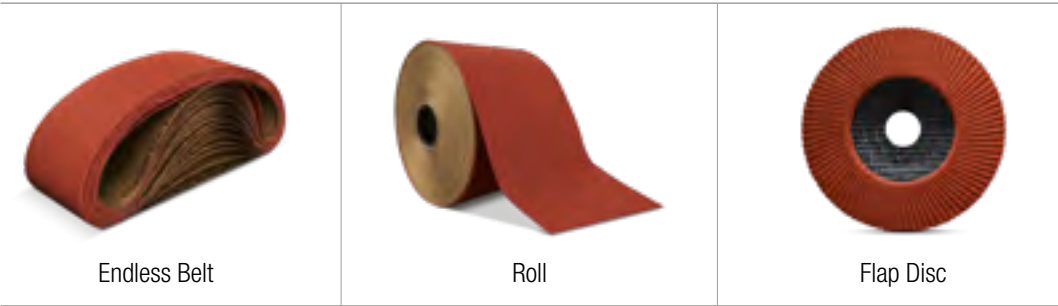
CEY51



Product Description

Abrasive : Ceramic
Backing : Y Poly-Cotton Cloth
Bond : Resin Over Resin
Coating : Top Size & Closed
Grit Range : 36-120
Features : Ideal for sanding stainless steel, high alloy steel, heat resistant steel and cast iron in belts, rolls and flap discs. Y poly-cotton cloth backing with Ceramic abrasive, also with friction and heat resistant Top Size coating.

		36	40	50	60	80	120										
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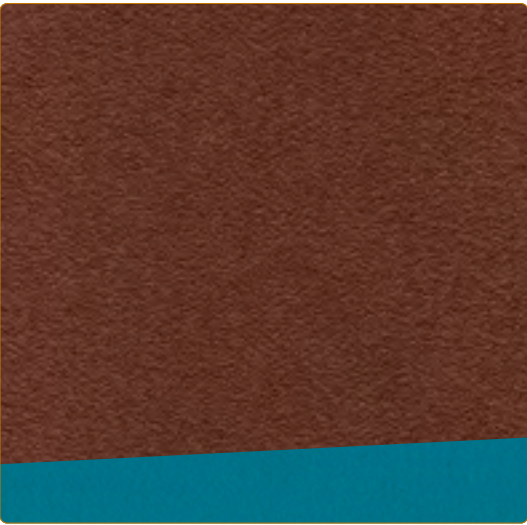
Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

AYXR11



Product Description

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 belts, rolls and hook&loop discs. YY polyester cloth backing with aggressive Aluminum Oxide abrasive. Suitable for wet applications.

16	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400	500	600
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Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

ZYYR11



Product Description

Abrasive : Zirconia
Backing : YY Polyester 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, aluminium, zamak, cast iron, plastic, leather, rubber and wood in belts, rolls and hook&loop discs; ideal for parquet. High stock removal and long life with YY polyester cloth backing and 100% Zirconia abrasive. Suitable for wet applications.

24	36	40	50	60	80	100	120										
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Wide Belt



Endless Belt



Roll






















Disc









Hook & Loop Disc



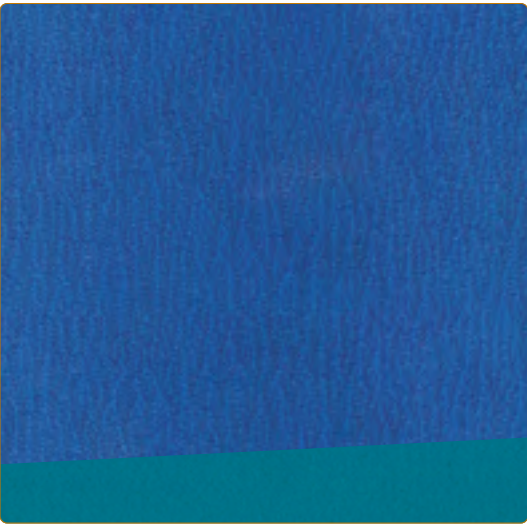
Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / 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	

ZYYR51



Product Description

Abrasive : Zirconia
Backing : YY Polyester Cloth
Bond : Resin Over Resin
Coating : Top Size & Closed
Grit Range : 24-120
Features : Ideal for sanding stainless steel, high alloy steel, heat resistant steel and cast iron materials in belts and rolls. High stock removal and long life with YY polyester cloth backing with 100% Zirconia abrasive, also with friction and heat resistant Top Size coating. Suitable for wet applications.

	24	36	40	50	60	80	100	120									
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Wide Belt






















Endless Belt









Roll



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

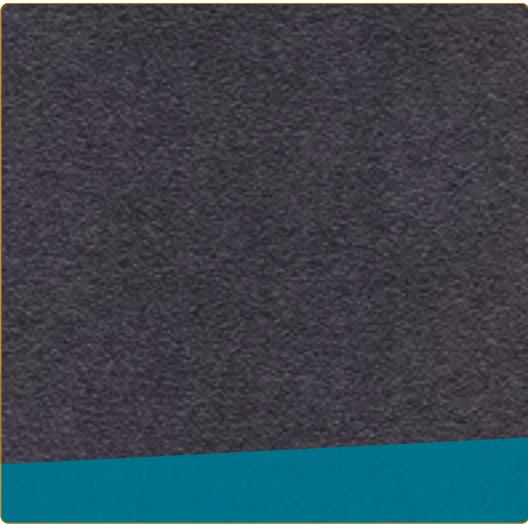
Application Method	
Polishing	
Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / 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	

NEW

CYXR11



Product Description

Abrasive : Silicon Carbide
Backing : YY Polyester Cloth
Bond : Resin Over Resin
Coating : Closed
Grit Range : 16-400
Features : Ideal for sanding glass, stone, granite, ceramic, wood, brass, copper and non ferrous metals in belts, rolls and hook&loop discs; ideal for floor sanding. YY polyester cloth backing with Silicon Carbide abrasive. Suitable for wet applications.

16	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400				
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Wide Belt



Endless Belt



Roll






















Disc









Hook & Loop Disc



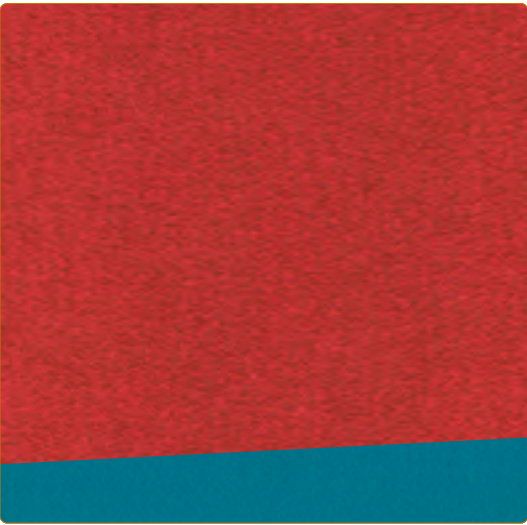
Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

CEYYR21



Product Description

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 endless belts, rolls and hook&loop discs. YY polyester cloth backing with semi open coated Ceramic abrasive. Suitable for wet applications.

	24	36	40	50	60	80	100	120										
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Wide Belt




Endless Belt



Roll



Disc

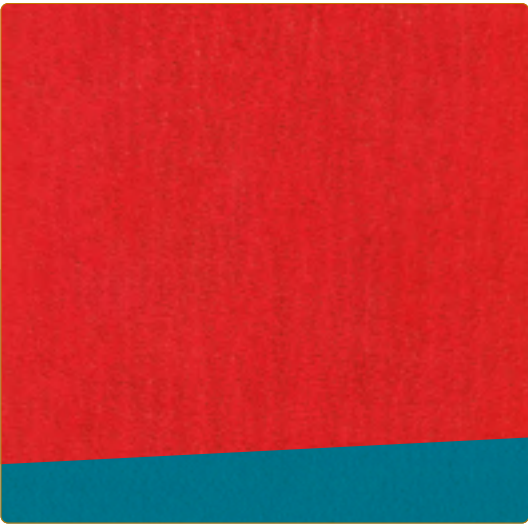


Hook & Loop Disc



SOON

CEYYR51



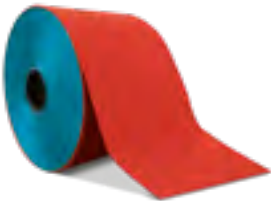
Product Description

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

	24	36	40	50	60	80	100	120									
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Endless Belt



Roll



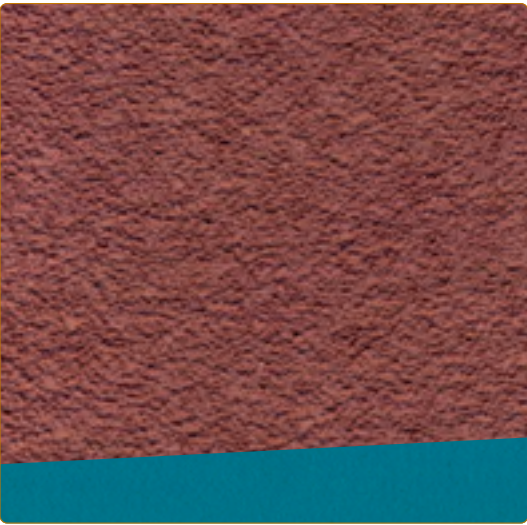
Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

AGYYR21



Product Description

Abrasive : Compact Aluminum Oxide
Backing : YY Polyester Cloth
Bond : Resin Over Resin
Coating : Semi Open
Grit Range : 80-600
Features : Ideal for polishing and finishing low alloy steel, stainless steel, high alloy steel and heat resistant steel in belts and rolls; ideal for centerless grinding. YY polyester cloth backing with semi open coated Compact Aluminum Oxide abrasive. Suitable for wet applications.

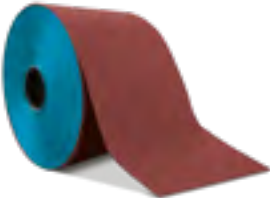
						80	120	180	240	320	400	600
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Wide Belt



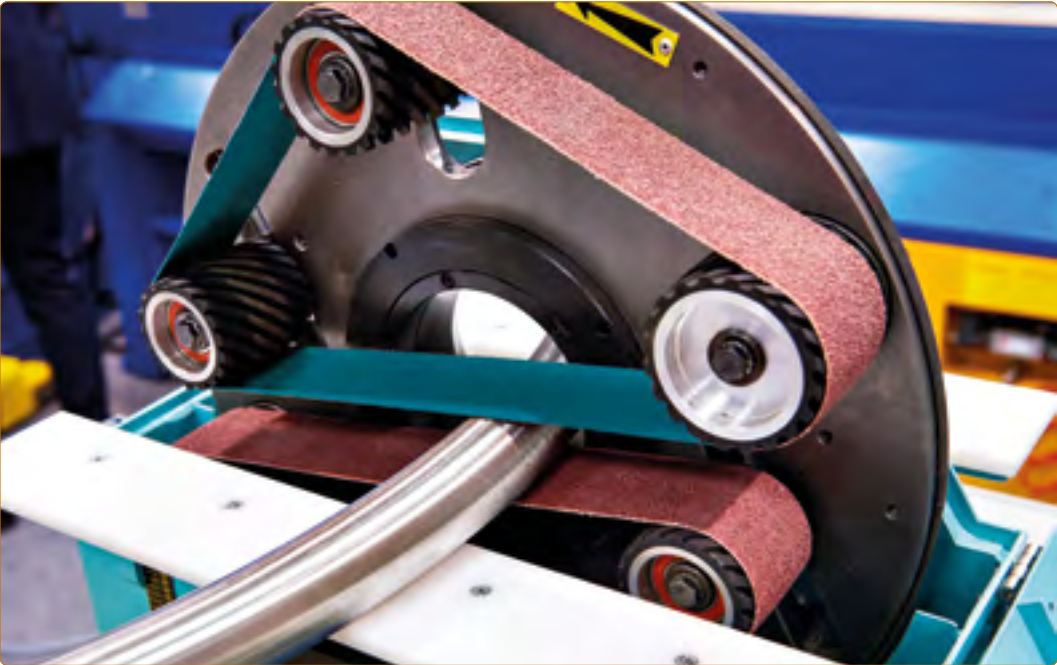
Endless Belt



Roll



Disc



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

CZR71



Product Description

- Abrasive

: Silicon Carbide
- Backing

: Z Polyester Cloth
- Bond

: Resin Over Resin
- Coating

: Antistatic & Closed
- Grit Range

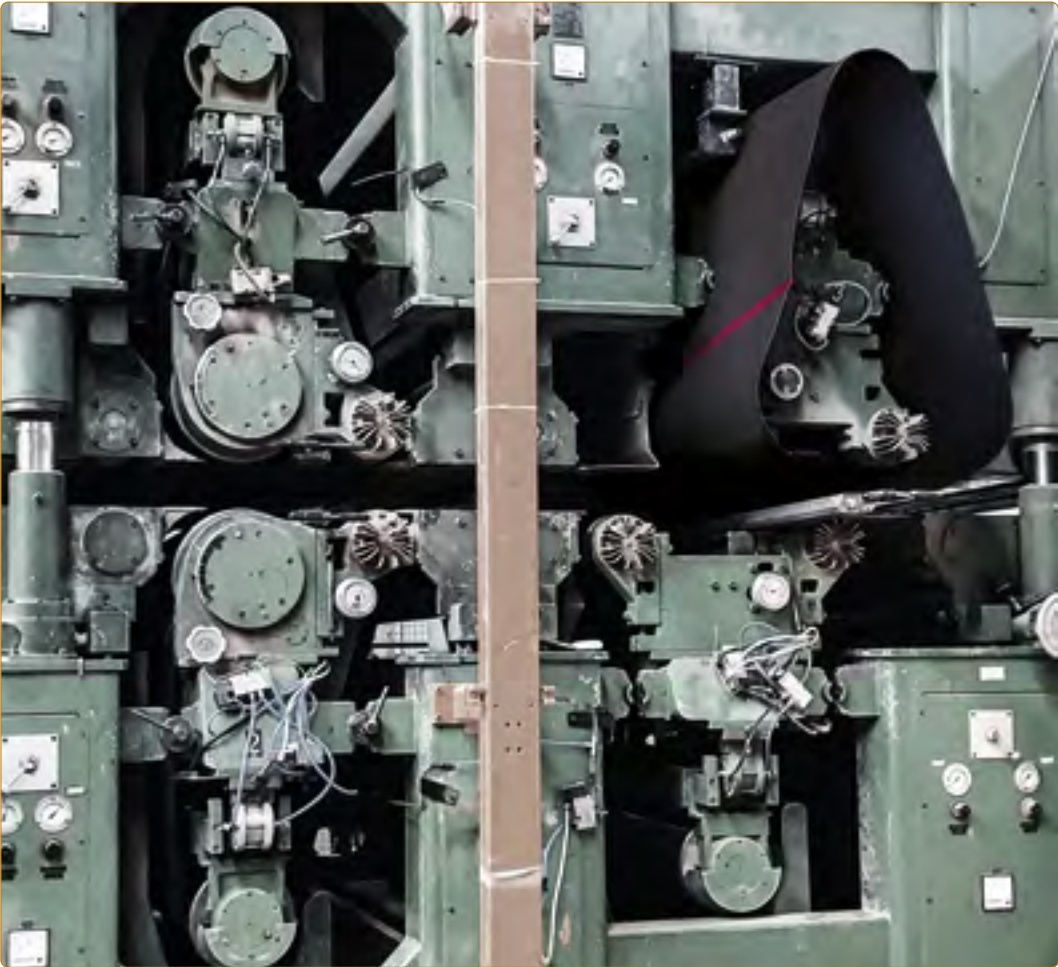
: 40-220
- Features

: Ideal for sanding wood, glass, stone and ceramic in segmented belts. Antistatic Z polyester cloth backing and also anti-static coating with Silicon Carbide abrasive which prevents dust sticking.

			40	50	60	80	100	120	150	180	220							
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Wide Belt



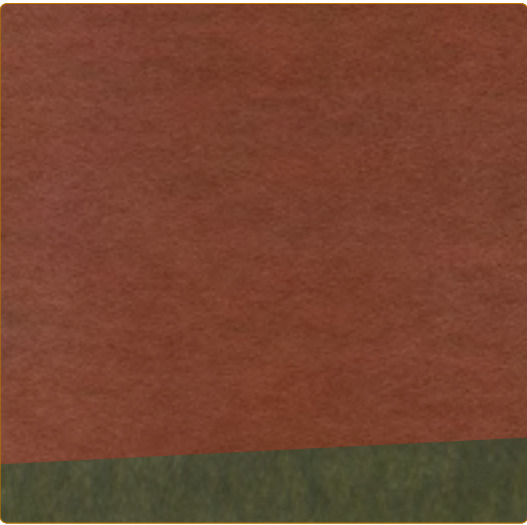
Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

AWER11



Product Description

- Abrasive

: Aluminum Oxide
- Backing

: Vulcanized Fibre (0,7mm)
- 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.

	24	36	40	50	60	80	100	120										
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Fibre Disc



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

AWR11



16	24	36	40	50	60	80	100	120	150	180	220	240	280	320			
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Fibre Disc



Product Description

Abrasive	: Aluminum Oxide
Backing	: Vulcanized Fibre (0,8mm)
Bond	: Resin Over Resin
Coating	: Closed
Grit Range	: 16-320
Features	: Ideal for sanding low alloy steel, stainless steel, aluminium, zamak and wood in fibre discs. Vulcanized fibre backing with Aluminum Oxide abrasive.

Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

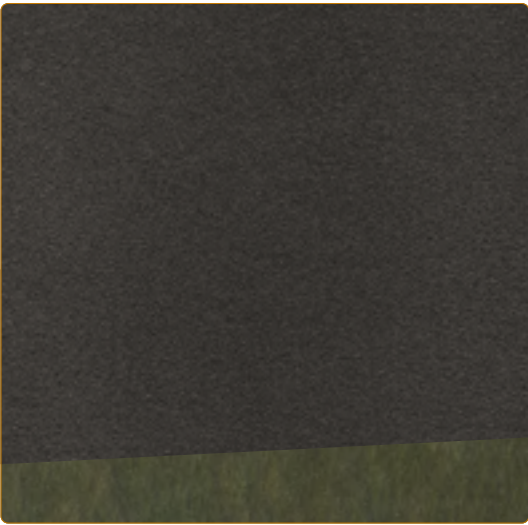
Application Method	
Polishing	
Belt	
Hand Use	
Wide Belt	
Mini Belt	
Flap Wheel Machine	
Floor Sanding	
Orbital Sander	
Hand Grinder	

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / 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	



CWR11



Product Description

- Abrasive : Silicon Carbide
- Backing : Vulcanized Fibre (0,8mm)
- Bond : Resin Over Resin
- Coating : Closed
- Grit Range : 16-400
- Features : Ideal for sanding non ferrous metals, glass, stone, granite, ceramic and wood in fibre discs. Vulcanized fibre backing with Silicon Carbide abrasive.

16	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400				
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Fibre Disc



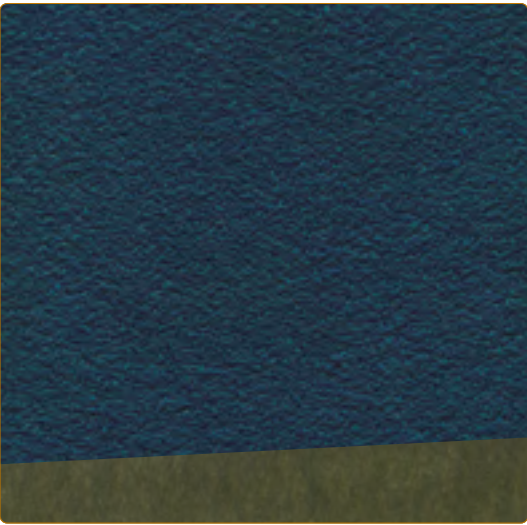
Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

ZWR11



Product Description

- Abrasive : Zirconia
- Backing : Vulcanized Fibre (0,8mm)
- 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.

	24	36	40	50	60	80	100	120											
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Fibre Disc



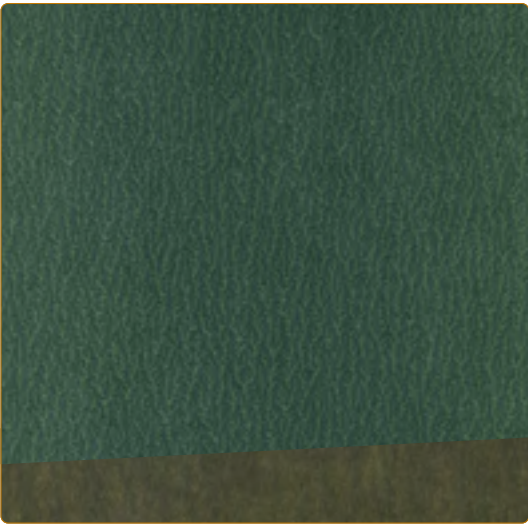
Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

ZWR51



Product Description

- Abrasive : Zirconia
- Backing : Vulcanized Fibre (0,8mm)
- Bond : Resin Over Resin
- Coating : Top Size & 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 Zirconia abrasive and also with friction and heat resistant Top Size coating.

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



Fibre Disc



Product Form	
Jumbo Roll	
Wide Belt	
Endless Belt	
Roll	
Sheet	
Disc	
Hook & Loop Disc	
Flap Wheel	
Flap Disc	
Fibre Disc	

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

Application Area	
Wood	
Low Alloy Steel	
Stainless Steel / Inox	
High Alloy Steel / Heat Resistant Steel	
Aluminium / Zamak	
Brass / Cooper / Non Ferrous Metals	
Rubber / Plastic / Leather	
Cast Iron	
Glass / Stone / Granite / Ceramic	

Features	
Antistatic Feature	
Suitable for Wet Applications	
Friction & Head Absorbant	
Anti-Clogging	
Flexible for Curved Surfaces	
Easily Tearable by Hand	

CER51



Product Description

- Abrasive : Ceramic
- Backing : Vulcanized Fibre (0,85mm)
- Bond : Resin Over Resin
- Coating : Top Size & 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 Top Size coating.

	24	36	40	50	60	80	100	120										
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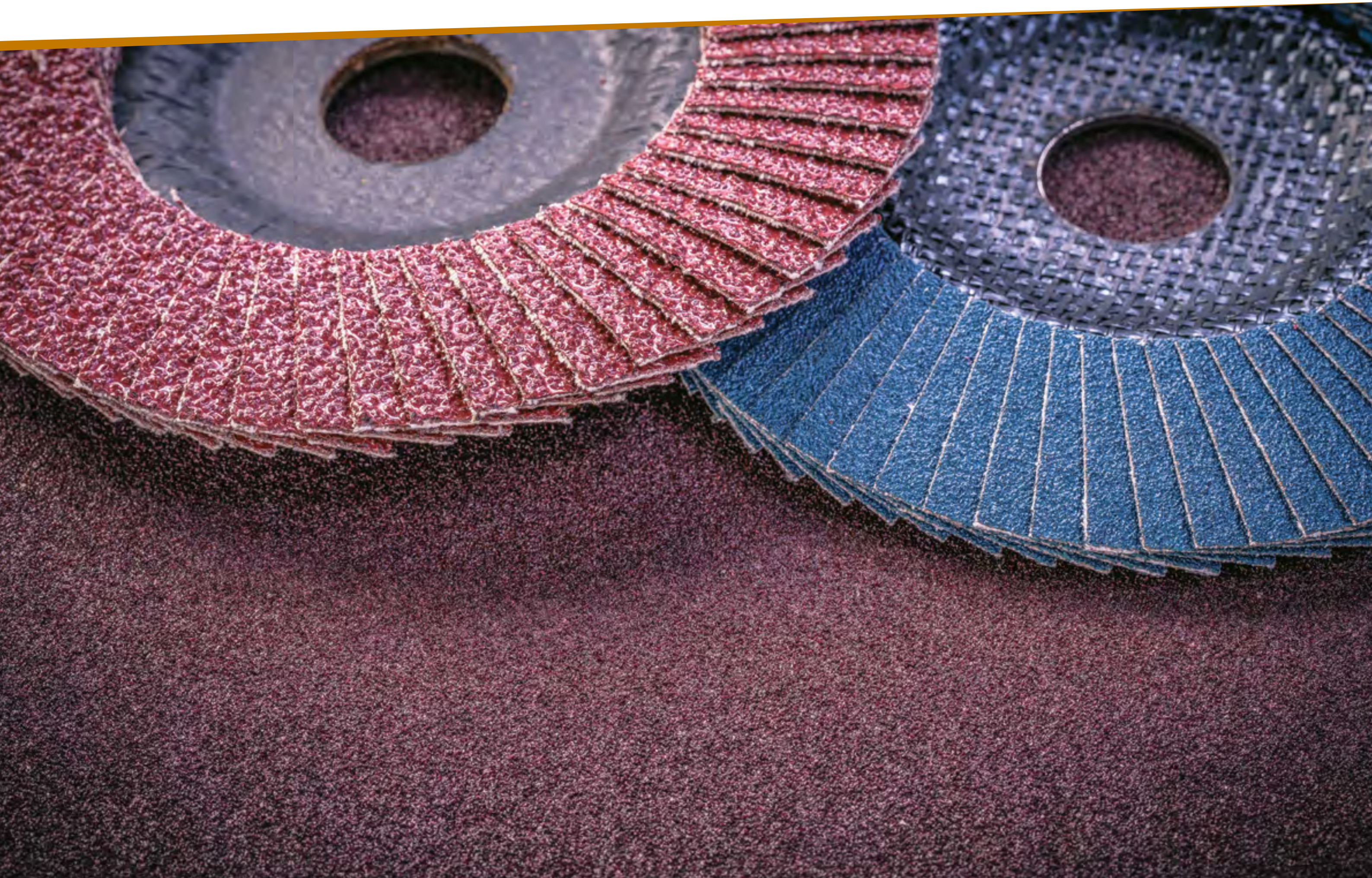


Fibre Disc



Flap Discs

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



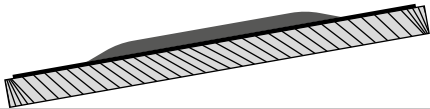
Product Category Information

Wings flap discs are offered in various types to meet different application needs. Flap discs are served with a total of 6 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.

Abrasive	Product Code	Backing	Application
<div>AOEcoAluminum Oxide</div>	AXER11		Multipurpose grinding for steel and metal. <div></div>
<div>ZREcoZirconium</div>	ZXR11	Cotton	Weld grinding, deburring and blending applications for steel and stainless steel (Inox). <div></div>
<div>ZRInoxZirconium</div>			Weld grinding, deburring and blending applications for steel and stainless steel (Inox). <div></div>
<div>ZRJumboZirconium</div>			Weld grinding, deburring and blending applications for steel and stainless steel (Inox). <div></div>
<div>AOAluminum Oxide</div>	AXPR11		Multipurpose aggressive grinding for steel and metal. <div></div>
<div>ZRZirconium</div>	ZXPR11	Poly-cotton	Weld grinding, deburring and blending applications for steel and metal. <div></div>
<div>ZRGoldZirconium</div>	ZXPR22		Weld grinding, deburring and blending applications for steel and stainless steel (Inox). <div></div>
<div>CECeramic</div>	CEY51		Suitable for hand tools operated with high pressure for stainless steel (Inox) and high alloy steel. <div></div>

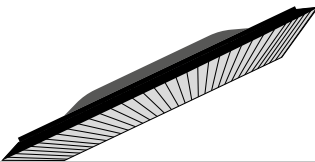
Types and Diameters

Flat Type



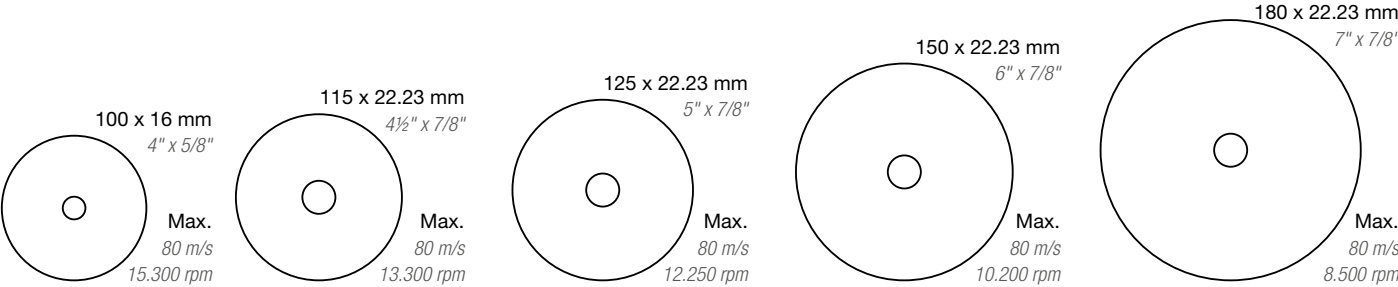
- Used in flat surfaces
- Ideal for blending and finishing
- Applied primarily between 0° to 15°

Conical Type



- Used in concaved 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 and less glazing grinding
- 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

Label Information

Brand

Product Group

Safety and Personal Protective Equipment Pictograms

Grit Size and Flap Type

Standart and OSA Membership Logo



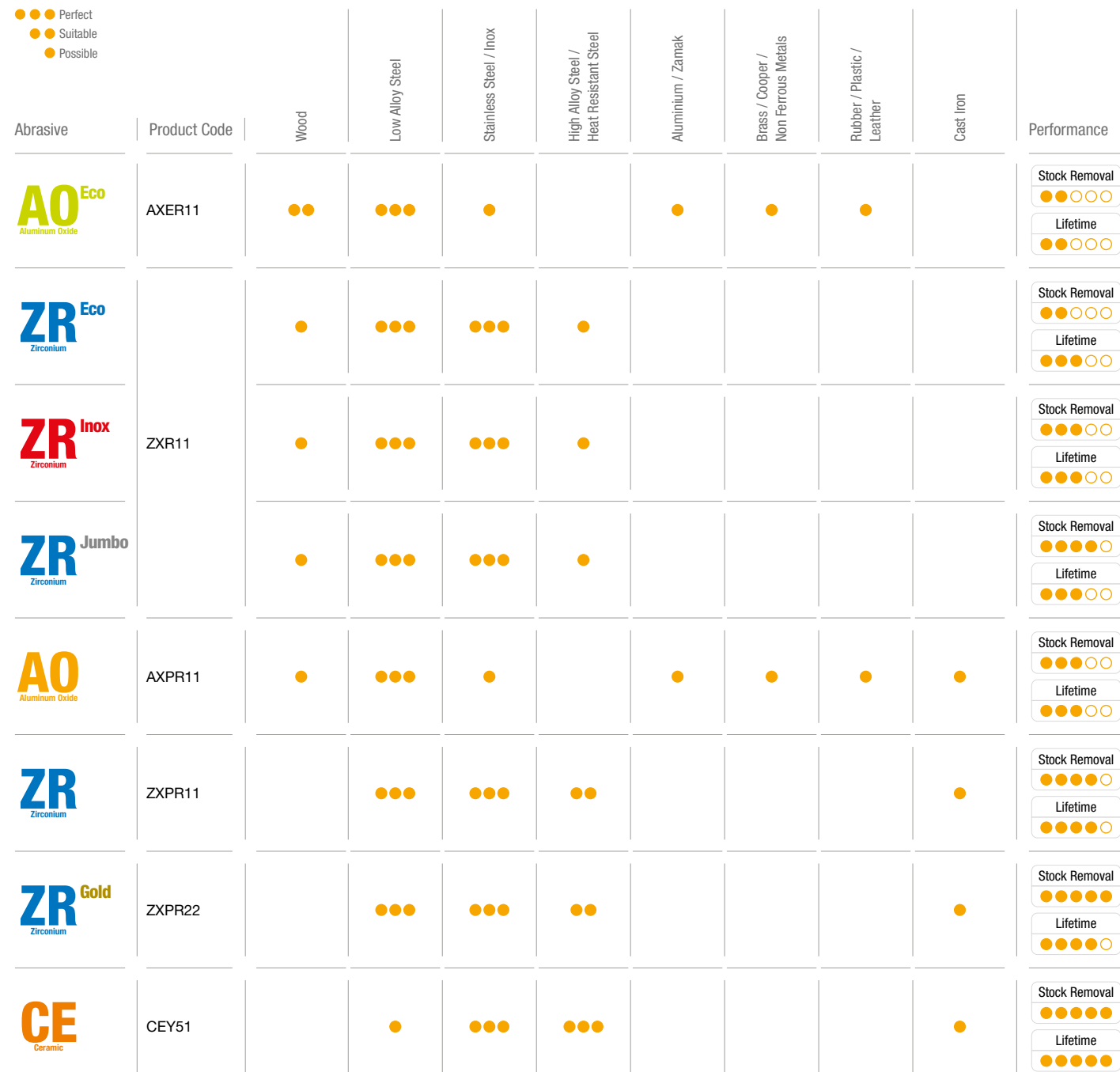
Dimension

Rotation and Speed Data

Abrasive Type

Article, Origin and Barcode

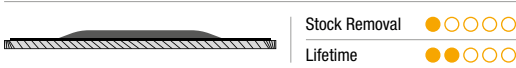
Application and Performance Table



ALUMINUM OXIDE ECO FLAP DISCS





AO Eco
Aluminum Oxide



Product Description

- Product Code : AXER11
- Abrasive : Aluminum Oxide
- Backing : X Heavy Cotton Cloth
- Application : Multipurpose grinding for steel and metal.

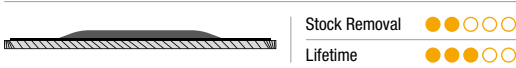
36	40	50	60	80	100	120
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Type	Dimension (mm)	Peripheral Speed (m/s)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	Box	M. Box
 Flat	100 x 16	80	903555	903557	923837	903559	903561	923839	903563	10	120
	115 x 22.23		903565	923731	923841	923733	923735	952185	952186	10	120
	125 x 22.23		903567	903569	923843	904378	904380	923845	904382	10	120
	150 x 22.23		923847	923912	923913	923915	923917	923919	923937	10	80
	180 x 22.23		904406	904408	923939	904410	904412	923965	904414	10	80
 Conical	100 x 16	80	904433	904435	923991	904443	904449	923993	904457	10	120
	115 x 22.23		904459	923783	923995	923785	923787	923997	923781	10	120
	125 x 22.23		904461	904463	923999	904465	904468	924001	904470	10	120
	150 x 22.23		924003	924005	924007	924009	924011	924013	924015	10	80
	180 x 22.23		904472	904474	924017	904476	904478	924019	904480	10	80



ZIRCONIUM ECO FLAP DISCS



ZR Eco
Zirconium



Product Description

- Product Code : ZXR11
- Abrasive : Zirconia
- Backing : X Heavy Cotton Cloth
- Application : Weld grinding, deburring and blending applications for steel and stainless steel (Inox).

36	40	50	60	80	100	120
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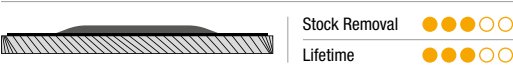
Type	Dimension (mm)	Peripheral Speed (m/s)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	Box	M. Box
 Flat	115 x 22.23	80	904492	904494	924033	904496	904498	924036	904500	10	120
	125 x 22.23		904502	904504	924045	904506	904510	924047	904661	10	120
	150 x 22.23		924049	924107	924109	924111	924114	924123	924125	10	80
	180 x 22.23		904783	904786	924127	904788	904790	924137	904792	10	80
 Conical	115 x 22.23	80	904804	904807	924171	904809	904811	924173	904813	10	120
	125 x 22.23		904815	904817	924175	904830	904832	924177	904834	10	120
	150 x 22.23		924179	924181	924183	924191	924211	924213	924215	10	80
	180 x 22.23		904836	904838	924217	904840	904842	924219	904844	10	80



ZIRCONIUM INOX FLAP DISCS



ZR **Inox**
Zirconium



Product Description

Product Code : ZXR11
Abrasive : Zirconia
Backing : X Heavy Cotton Cloth
Application : Weld grinding, deburring and blending applications for Steel and Stainless Steel (Inox).

Iron and sulfur less than 0.1%.

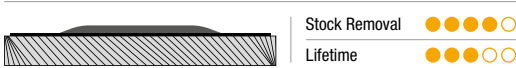
36	40	50	60	80	100	120
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Type	Dimension (mm)	Peripheral Speed (m/s)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	Box	M. Box
Flat	100 x 22.23	80	958602	958603	958604	958638	958639	958640	958641	10	120
	115 x 22.23		959832	920488	959837	920489	920492	959917	959921	10	120
	125 x 22.23		959936	924879	959940	924880	924881	959944	959948	10	120
	150 x 22.23		959967	959971	959988	959995	959996	960000	960001	10	120
	180 x 22.23		960066	960067	960068	960069	960074	960075	960127	10	80
Conical	100 x 22.23	80	958725	958727	959660	959813	959818	959823	959828	10	120
	115 x 22.23		959925	920493	959928	920494	920495	959932	951845	10	120
	125 x 22.23		959953	924873	959957	924875	924877	959963	951846	10	120
	150 x 22.23		960002	960003	960004	960005	960006	960007	960065	10	120
	180 x 22.23		960128	960129	960130	958574	958575	960131	960132	10	80



JUMBO FLAP DISCS

ZR **Jumbo**
Zirconium



Product Description

Product Code : ZXR11
Abrasive : Zirconia
Backing : X Heavy Cotton Cloth
Application : Weld grinding, deburring and blending applications for Steel and Stainless Steel (Inox).



36	40	50	60	80	100	120
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Type	Dimension (mm)	Peripheral Speed (m/s)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	Box	M. Box
Flat	100 x 22.23	80	905006	905020	924329	905025	905027	924331	905029	10	120
	115 x 22.23		905031	905033	924333	905041	905043	924335	905045	10	120
	125 x 22.23		905047	906310	924337	906312	906314	924339	905050	10	120
	150 x 22.23		924341	924343	924345	924347	924349	924351	924353	10	80
	180 x 22.23		905052	905054	924355	905056	905058	924357	905060	10	80
Conical	100 x 22.23	80	905062	905064	924359	905070	905072	924361	905081	10	120
	115 x 22.23		905094	920496	924364	920497	920498	924366	951800	10	120
	125 x 22.23		905106	905108	924368	905110	905124	924370	905126	10	120
	150 x 22.23		924372	924374	924376	924378	924415	924417	924456	10	80
	180 x 22.23		905128	905141	924462	905143	905145	924464	905147	10	80



ALUMINUM OXIDE FLAP DISCS



A0

Aluminum Oxide





Stock Removal ●●●○○○
Lifetime ●●●○○○

Product Description

Product Code : AXPR11
Abrasive : Aluminum Oxide
Backing : X Heavy Poly-Cotton Cloth
Application : Multipurpose aggressive grinding for steel and metal.

36	40	50	60	80	100	120
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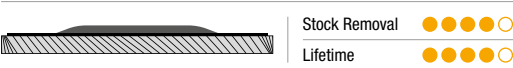
Type	Dimension (mm)	Peripheral Speed (m/s)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	Box	M. Box
 Flat	100 x 22.23	80	930867	905149	924466	905151	931679	931683	931684	10	120
	115 x 22.23		930864	913865	924468	913866	913867	931695	931696	10	120
	125 x 22.23		905172	905178	924470	905180	905183	924472	905185	10	120
	150 x 22.23		924473	924479	924481	924483	924485	924487	924489	10	80
	180 x 22.23		905187	905189	924491	905191	905196	924493	905212	10	80
 Conical	100 x 22.23	80	905214	905216	924495	905218	905220	924497	905223	10	120
	115 x 22.23		059019	030285	924499	030295	030305	059004	030575	10	120
	125 x 22.23		905225	030315	924501	030325	030335	924504	059215	10	120
	150 x 22.23		924506	031465	924508	031475	031485	924510	031495	10	80
	180 x 22.23		059324	030345	924512	030355	030365	059322	059323	10	80



ZIRCONIUM FLAP DISCS





ZR
Zirconium



Product Description

- Product Code : ZXPR11
- Abrasive : Zirconia
- Backing : X Heavy Poly-Cotton Cloth
- Application : Weld grinding, deburring and blending applications for Steel and metal.

36	40	50	60	80	100	120
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Type	Dimension (mm)	Peripheral Speed (m/s)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	Box	M. Box
 Flat	100 x 22.23	80	953155	953156	953157	953158	953159	953160	953118	10	120
	115 x 22.23		906815	906817	906819	906821	906823	906825	906827	10	120
	125 x 22.23		953119	030195	953120	030205	030215	953121	953122	10	120
	150 x 22.23		953123	953124	953125	953126	953127	953128	953129	10	80
	180 x 22.23		953130	924871	030235	030235	924872	953132	953133	10	80
 Conical	100 x 22.23	80	953134	953135	953136	953137	953138	953139	953140	10	120
	115 x 22.23		059082	930405	953141	930415	930425	059075	030675	10	120
	125 x 22.23		953142	030435	953143	030445	030455	059245	030685	10	120
	150 x 22.23		953144	953145	953146	953147	953148	953149	953150	10	80
	180 x 22.23		059346	030465	953151	030475	030485	059342	030695	10	80



GOLD FLAP DISCS



ZR Gold
Zirconium



Product Description

- Product Code : ZXPR22
- Abrasive : 100% Zirconia
- Backing : Y Poly-Cotton Cloth
- Application : Weld grinding, deburring and blending applications for Steel and Stainless Steel (Inox).

36	40	50	60	80	100	120
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Type	Dimension (mm)	Peripheral Speed (m/s)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	Box	M. Box
 Flat	115 x 22.23	80	905445	944752	924583	944753	944754	944757	905451	10	120
	125 x 22.23		905454	905473	924585	905477	905479	930502	905481	10	120
	180 x 22.23		905483	905485	930528	905487	905514	930530	905516	10	80
 Conical	115 x 22.23	80	905538	931505	930536	931515	931525	930538	905540	10	120
	125 x 22.23		905542	931535	930564	931205	931215	930566	905544	10	120
	180 x 22.23		905546	905548	930635	905550	905552	930637	905554	10	80



CERAMIC FLAP DISCS



Type	Dimension (mm)	Peripheral Speed (m/s)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	120 Grit	Box	M. Box
 Flat	100 x 16	80	905556	905558	930641	903881	903883	903885	10	120
	115 x 22.23		903887	903889	930647	903891	903893	903895	10	120
	125 x 22.23		903898	924883	930655	924884	924885	903900	10	120
	150 x 22.23		930668	930697	930698	930784	930790	930797	10	80
	180 x 22.23		903902	903904	930806	930927	903928	903930	10	80
 Conical	100 x 16	80	903932	903934	930855	903936	903954	903957	10	120
	115 x 22.23		903959	931635	930878	931645	920487	903961	10	120
	125 x 22.23		903963	924887	930914	924889	924890	903965	10	120
	150 x 22.23		930953	930958	930969	930984	931000	931022	10	80
	180 x 22.23		903967	903969	931055	903979	903981	903983	10	80



Fibre Discs

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



Product Category Information

Wings fibre discs are offered in various types to meet different application needs. Fibre discs are served with a total of 7 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, flat and depressed.

Abrasive	Product Code	Backing	Feature
<div>SC</div> <div>Silicon Carbide</div>	CWR11	Vulcanized Fibre (0.8mm)	Ideal for sanding non ferrous metals, glass, stone, granite, ceramic and wood materials, having standard vulcanized fibre backing and Silicon Carbide abrasive grains.
<div>AO^{ECO}</div> <div>Aluminum Oxide</div>	AWER11	Vulcanized Fibre (0.7mm)	Ideal for sanding metal, aluminium, zamak and wood materials, having economic vulcanized fibre backing and Aluminum Oxide abrasive grains.
<div>AO</div> <div>Aluminum Oxide</div>	AWR11	Vulcanized Fibre (0.8mm)	Ideal for sanding low alloy steel, stainless steel (Inox), aluminium, zamak anda wood materials, having standard vulcanized fibre backing and aggressive Aluminum Oxide abrasive grains.
<div>ZR</div> <div>Zirconia</div>	ZWR11	Vulcanized Fibre (0.8mm)	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.
<div>ZR^{TOPSIZE}</div> <div>Zirconia</div>	ZWR51	Vulcanized Fibre (0.8mm)	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 Top Size.
<div>CE^{TOPSIZE}</div> <div>Ceramic</div>	CER51	Vulcanized Fibre (0.85mm)	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 Top Size.

Application and Performance Table

- Perfect
- Suitable
- Possible

Abrasive	Wood	Low Alloy Steel	Stainless Steel / Inox	High Alloy Steel / Heat Resistant Steel	Aluminium / Zamak	Brass / Cooper / Non Ferrous Metals	Cast Iron	Glass / Stone / Granite / Ceramic	Performance
<div>SC</div> <div>Silicon Carbide</div> <div>CWR11</div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>				<div><div></div><div></div><div></div></div>		<div><div></div><div></div><div></div></div>	<div>Stock Removal</div> <div><div></div><div></div><div></div><div></div><div></div></div> <div>Lifetime</div> <div><div></div><div></div><div></div><div></div><div></div></div>
<div>AO^{ECO}</div> <div>Aluminum Oxide</div> <div>AWER11</div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div></div>			<div>Stock Removal</div> <div><div></div><div></div><div></div><div></div><div></div></div> <div>Lifetime</div> <div><div></div><div></div><div></div><div></div><div></div></div>
<div>AO</div> <div>Aluminum Oxide</div> <div>AWR11</div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>			<div>Stock Removal</div> <div><div></div><div></div><div></div><div></div><div></div></div> <div>Lifetime</div> <div><div></div><div></div><div></div><div></div><div></div></div>
<div>ZR</div> <div>Zirconia</div> <div>ZWR11</div>		<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>		<div><div></div><div></div></div>		<div>Stock Removal</div> <div><div></div><div></div><div></div><div></div><div></div></div> <div>Lifetime</div> <div><div></div><div></div><div></div><div></div><div></div></div>
<div>ZR^{TOPSIZE}</div> <div>Zirconia</div> <div>ZWR51</div>		<div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>		<div><div></div><div></div><div></div></div>		<div>Stock Removal</div> <div><div></div><div></div><div></div><div></div><div></div></div> <div>Lifetime</div> <div><div></div><div></div><div></div><div></div><div></div></div>
<div>CE^{TOPSIZE}</div> <div>Ceramic</div> <div>CER51</div>		<div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>		<div><div></div><div></div><div></div></div>		<div>Stock Removal</div> <div><div></div><div></div><div></div><div></div><div></div></div> <div>Lifetime</div> <div><div></div><div></div><div></div><div></div><div></div></div>

Types and Diameters

4 Slotted	8 Slotted	Slitted (Cross / Star Cut)	Flat	Depressed
<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>

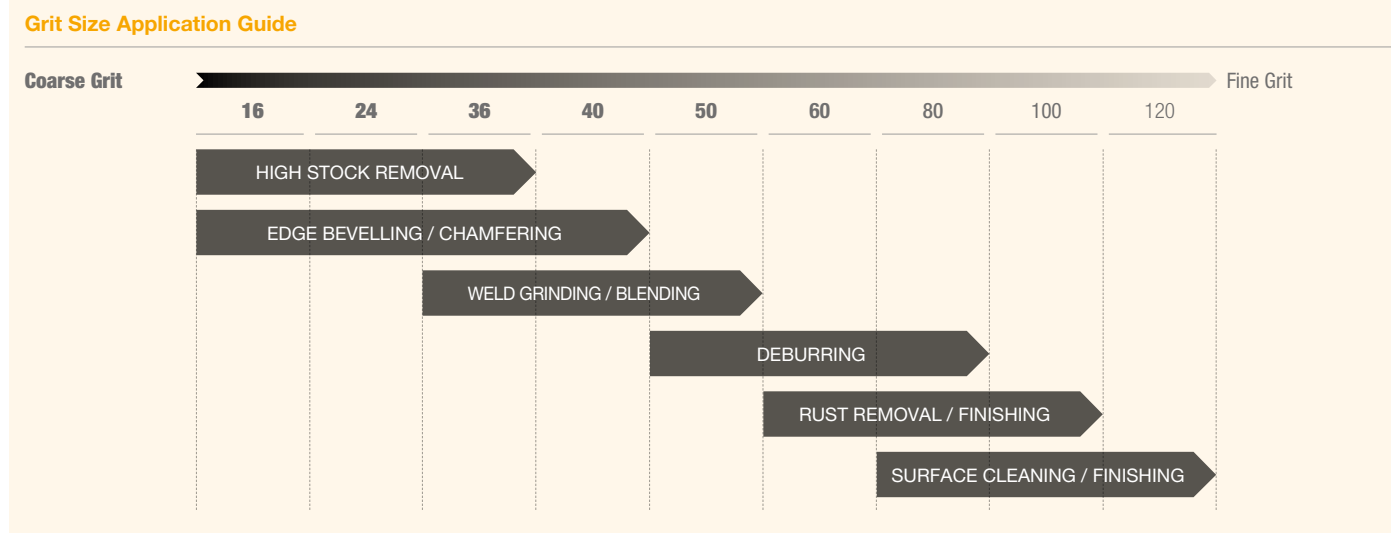
Diameters

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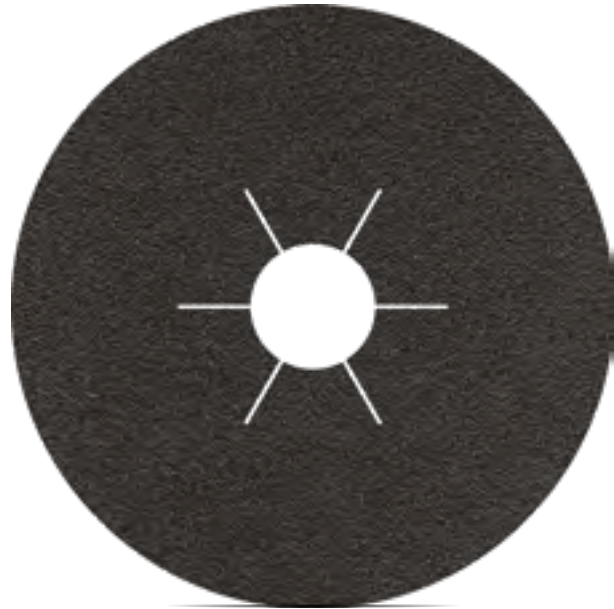
Product Backside Information

The diagram shows a circular abrasive flap wheel with the following markings and labels:

- Brand:** Wings
- Grit Size:** 60
- Speed Data:** MAX 80 m/s
- Safety and Personal Protective Equipment Pictograms:** Five icons representing safety requirements.
- OSA Membership Logo:** OSA logo.
- Standard Number:** EN 13743
- Abrasive Type:** A/O
- Batch Number:** 002
- Other markings:** MADE IN TURKEY



SILICON CARBIDE FIBRE DISCS






SC
Silicon Carbide

Stock Removal ●●○○○
Lifetime ●●○○○

Product Description

Product Code : CWR11
Abrasive : Silicon Carbide
Backing : Vulcanized Fibre (0.8mm)
Grit Range : 16-400
Application : Glass, Stone, Granite, Ceramic, Wood, Brass, Copper, Non Ferrous Metals

16	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400
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Type	Dimension (mm)	16 Grit	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	150 Grit	180 Grit	220 Grit	240 Grit	280 Grit	320 Grit	400 Grit
 4 Slotted	100 × 16	903985	904205	906343	905758	908657	906882	909641	910116	911373	912118	912285	910479	912709	912856	912995	913059
	115 × 22.23	903989	904208	906345	905763	908659	906884	909643	910119	911375	912121	912287	910484	912715	912858	912997	913063
	125 × 22.23	903991	904210	906347	905765	908661	906886	909645	910125	911377	912123	912289	910486	912717	912862	912999	913065
	150 × 22.23	930368	930373	930375	930377	930379	930384	930385	930387	930389	930393	930395	930396	930398	930399	930404	930407
	180 × 22.23	903993	904212	906349	905767	908663	906888	909655	910127	911379	912125	912292	910488	912722	912864	913001	913067
	230 × 22.23	904006	904220	906353	905769	908665	906890	909657	910129	911383	912127	912294	910492	912724	912866	913003	913069
 Slitted	100 × 16	904028	904230	906382	905817	908675	906911	909667	910153	911403	912141	912316	910508	912742	912879	913029	913085
	115 × 22.23	904030	904232	906384	905819	908702	906913	080232	910155	911405	912143	912346	910513	912744	912881	913033	913087
	125 × 22.23	904032	904261	906386	905823	908704	906915	909669	910157	911407	912145	912348	910515	912746	912883	913035	913089
	150 × 22.23	945002	945024	945075	945078	945372	945619	946593	946594	947665	947906	947907	948882	948959	950661	951028	951067
	180 × 22.23	904041	923318	930948	905825	066607	066608	058454	910159	066609	912147	910329	910517	912764	912885	913037	913093
	230 × 22.23	904043	904268	906468	905827	908706	906917	909671	910165	911409	912149	910335	910519	912766	912909	913039	913095
 Flat	100 × 16	904047	904270	931669	931674	908708	906919	909673	931676	911415	912151	910337	931677	912769	912913	931678	913097
	115 × 22.23	058583	058584	058585	058586	058587	058588	058589	058590	058591	058592	058593	058594	912819	058595	058596	058597
	125 × 22.23	904049	904272	906471	905829	908710	906938	058639	058640	058641	912153	910339	910525	912820	912915	913043	913099
	150 × 22.23	924989	924991	924993	924995	924999	930001	930002	930003	930004	930006	930008	930013	930024	930153	930196	930198
	180 × 22.23	932332	058733	058734	058735	058736	058737	058738	058739	058740	058741	058742	058743	951305	058745	058746	058747
	230 × 22.23	904051	904274	906473	905831	908720	906940	909686	910167	911417	912155	910346	910527	912827	912917	913045	913101

ALUMINUM OXIDE ECO FIBRE DISCS




AO^{ECO}
Aluminum Oxide

Stock Removal ●●○○○
Lifetime ●●○○○

Product Description

Product Code : AWER11
Abrasive : Aluminum Oxide
Backing : Vulcanized Fibre (0.7mm)
Grit Range : 24-120
Application : Wood, Non Ferrous Metals, Aluminium, Zamak

24	36	40	50	60	80	100	120								
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Type	Dimension (mm)	16 Grit	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit
 4 Slotted	100 × 16	904061	904299	906491	905852	908730	906961	909696	910215	911529
	115 × 22.23	904063	904301	944747	905854	908732	944748	944749	910217	911531
	125 × 22.23	904065	904303	906493	905856	908734	906963	909698	910219	911533
	150 × 22.23	930289	930294	930295	930297	930299	930304	930306	930308	930313
	180 × 22.23	904079	904305	906495	905858	908736	906965	909700	910225	911535
	230 × 22.23	904081	904307	906497	905860	908738	906968	909702	910227	911537
 Slitted	100 × 16	904093	904323	906518	905872	908750	906993	909714	910247	911551
	115 × 22.23	904095	904342	906520	905874	908752	906995	909716	910249	911553
	125 × 22.23	904097	904344	906522	905876	908754	906997	909718	910255	911555
	150 × 22.23	932396	932431	932513	932540	932544	932560	932686	932695	932744
	180 × 22.23	904099	904346	906524	905878	908756	906999	909720	910265	911557
	230 × 22.23	904101	904349	906526	905880	908758	907010	909722	910275	911559
 Flat	100 × 16	904103	904351	906528	905882	908760	907012	909724	910277	911562
	115 × 22.23	904117	904366	906530	905884	908762	907014	909726	910279	911564
	125 × 22.23	904119	904368	906532	905887	908764	907017	909728	910285	911566
	150 × 22.23	952904	952905	952906	952907	952908	952909	952910	952911	952912
	180 × 22.23	904121	904370	906534	905889	908766	907033	909730	910287	911626
	230 × 22.23	904123	904374	906536	905891	908768	907035	909732	910289	911628

ALUMINUM OXIDE FIBRE DISCS






AO
Aluminum Oxide

Stock Removal ●●●○○
Lifetime ●●●○○

Product Description

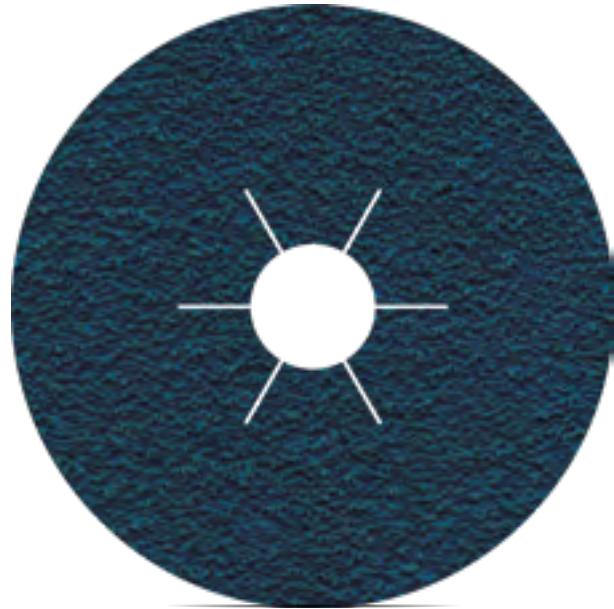
Product Code : AWR11
Abrasive : Aluminum Oxide
Backing : Vulcanized Fibre (0.8mm)
Grit Range : 16-320
Application : Wood, Low Alloy Steel, Aluminium, Zamak, Stainless Steel (Inox)

16	24	36	40	50	60	80	100	120	150	180	220	240	280	320	
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Type	Dimension (mm)	16 Grit	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	150 Grit	180 Grit	220 Grit	240 Grit	280 Grit	320 Grit
 4 Slotted	100 x 16	904135	905976	906563	905912	908780	907053	909749	909097	911645	912166	910369	910587	910689	910807	911209
	115 x 22.23	909035	905978	906933	906934	906935	058165	058166	906936	058167	906937	910371	923152	910693	911013	923153
	125 x 22.23	904137	905980	058230	058231	908782	058232	058233	909099	911647	912207	910373	910615	910695	911068	911212
	150 x 22.23	930315	930328	930333	930335	930337	930339	930344	930346	930348	930353	930355	930357	930359	930364	930366
	180 x 22.23	904139	905982	058281	058282	066951	058283	058284	058285	058286	912209	910375	910617	910697	911074	911214
	230 x 22.23	904141	905985	906565	905914	908784	907055	909751	909101	911649	912211	910377	910619	910699	911076	911216
 Slitted	100 x 16	904154	906003	906575	905930	908815	907075	909761	909113	911685	912250	910396	910638	910739	911093	911289
	115 x 22.23	904156	080224	080225	080226	908819	080227	080228	080229	080230	058336	058337	910642	910743	911095	080231
	125 x 22.23	904158	914988	058375	058376	058377	058378	058379	909115	058380	912252	910398	910644	910753	911097	911293
	150 x 22.23	932843	932851	934206	941999	944472	944632	944634	944662	944665	944674	944767	944792	944855	944907	944975
	180 x 22.23	904160	906005	906577	058450	923316	058451	058452	058453	911687	912254	910404	910646	910755	911116	911295
	230 x 22.23	904162	906007	906580	905932	908821	907084	909763	909117	911689	912256	910406	910657	910757	911118	911297
 Flat	100 x 16	904164	058502	058503	905945	931668	931663	909765	931664	931665	912258	910408	931666	910759	911126	931667
	115 x 22.23	058570	058571	058573	058574	058575	058576	058577	058578	058579	058580	058581	931659	910766	911152	058582
	125 x 22.23	904167	906009	058638	905962	908824	907086	909767	909119	911694	912260	910414	910659	910768	911154	912697
	150 x 22.23	952913	952914	952915	952916	952917	952918	952919	952920	952921	952922	952923	952924	952925	952926	952927
	180 x 22.23	923528	058725	058726	058727	908827	058728	058729	058730	058731	912262	910416	910665	910775	911156	058732
	230 x 22.23	904169	906011	906591	905964	908829	907088	909769	909121	911696	912264	910418	910667	910777	911158	912699



ZIRCONIA FIBRE DISCS






Stock Removal ●●●●○
Lifetime ●●●●○

Product Description

Product Code : ZWR11
Abrasive : Zirconia
Backing : Vulcanized Fibre (0.8mm)
Grit Range : 24-120
Application : Low Alloy Steel, Stainless Steel (Inox), High Alloy Steel, Heat Resistant Steel, Aluminium, Zamak, Cast Iron

	24	36	40	50	60	80	100	120							
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Type	Dimension (mm)	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit
 4 Slotted	100 x 16	906103	906687	907388	908918	907181	909854	909183	911845
	115 x 22.23	952987	906750	907390	908920	906751	906752	906753	909783
	125 x 22.23	906105	906689	907392	908922	907197	909856	909185	911849
	150 x 22.23	930409	930414	930417	930419	930424	930427	930429	930434
	180 x 22.23	906107	906691	907394	908924	907199	909864	909187	911853
	230 x 22.23	906135	906693	907396	908932	907203	909866	909189	911855
 Slitted	100 x 16	906145	066128	907427	908975	066129	066130	909201	066131
	115 x 22.23	906147	066132	907429	908977	066133	066134	909203	066135
	125 x 22.23	906149	058381	930877	908979	066136	058382	909205	066137
	150 x 22.23	951120	951228	951272	951300	951313	951349	952886	952887
	180 x 22.23	906151	906708	907431	923320	907228	909880	909207	930928
	230 x 22.23	906156	906710	907433	908982	907230	909882	909209	911897
 Flat	100 x 16	906158	906724	907435	909001	907232	909884	909211	911899
	115 x 22.23	058598	058599	058600	909003	058601	058602	058603	058604
	125 x 22.23	906160	906726	907437	909005	907234	909886	909228	911903
	150 x 22.23	930203	930206	930209	930216	930218	930223	930224	930225
	180 x 22.23	058748	058749	058750	058751	058752	058753	058754	058755
	230 x 22.23	906162	906728	907439	909007	907236	909888	909230	911905

ZIRCONIA TOPSIZE FIBRE DISCS






Stock Removal ●●●●○
Lifetime ●●●●○

Product Description

Product Code : ZWR51
Abrasive : Zirconia
Backing : Vulcanized Fibre (0.8mm)
Grit Range : 24-120
Application : Stainless Steel (Inox), High Alloy Steel, Heat Resistant Steel, Cast Iron
Feature : Topsize (Coating for Heat Absorbant)

	24	36	40	50	60	80	100	120							
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Type	Dimension (mm)	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit
 4 Slotted	100 x 16	906183	906754	907449	909021	907250	909908	909240	911917
	115 x 22.23	950269	930264	907457	909023	930265	930266	930267	930268
	125 x 22.23	906185	906756	907459	909025	907252	909917	909391	911919
	150 x 22.23	930436	930438	930443	930445	930447	930449	930454	930456
	180 x 22.23	906187	906758	907461	909027	907254	909919	909393	911924
	230 x 22.23	906190	906760	907463	909029	907256	909923	909395	911926
 Slitted	100 x 16	906235	906780	907503	909041	909458	909967	909407	911953
	115 x 22.23	906237	906782	907505	909043	909460	909969	909409	911956
	125 x 22.23	906239	906784	907507	909045	909462	909975	909411	911958
	150 x 22.23	952888	952889	952890	952891	952892	952893	952894	952895
	180 x 22.23	906241	906786	907520	909047	909464	909977	909413	911962
	230 x 22.23	906243	905560	907522	909049	909476	909979	909416	911964
 Flat	100 x 16	906245	905562	907524	909051	909479	909981	909418	911993
	115 x 22.23	906247	905564	907526	909053	909481	909983	909420	911995
	125 x 22.23	906255	905566	907528	909055	909483	909985	909422	911997
	150 x 22.23	930228	930233	930235	930238	930243	930245	930247	930249
	180 x 22.23	906258	952566	907530	909057	909485	909987	909424	911999
	230 x 22.23	906260	905568	907532	909059	909487	909991	909426	912003

CERAMIC FIBRE DISCS






CE TOPSIZE
Ceramic

Stock Removal ●●●●●
Lifetime ●●●●●

Product Description

Product Code : CER51
Abrasive : Ceramic
Backing : Vulcanized Fibre (0.85mm)
Grit Range : 24-120
Application : Stainless Steel (Inox), High Alloy Steel, Heat Resistant Steel, Cast Iron
Feature : Topsisize (Coating for Heat Absorbant)

	24	36	40	50	60	80	100	120								
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Type	Dimension (mm)	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit
 4 Slotted	100 x 16	906273	905607	907544	906796	909534	910006	909438	912035
	115 x 22.23	906275	905609	907546	906810	909536	910008	909440	912037
	125 x 22.23	906277	905611	907560	906812	909538	910017	909442	912039
	150 x 22.23	930458	930463	930465	930475	930477	930479	930484	930486
	180 x 22.23	906279	905613	908331	906814	909540	910019	909444	912042
 Slitted	230 x 22.23	906281	905615	908568	906816	909542	910025	911299	912044
	100 x 16	906293	905657	908603	906837	909555	910046	911316	912069
	115 x 22.23	906309	905659	908605	906839	909557	910048	911318	912072
	125 x 22.23	906311	930879	908607	906841	930883	930884	911323	930886
	150 x 22.23	952896	952897	952898	952899	952900	952901	952902	952903
 Flat	180 x 22.23	906313	905661	908609	906843	909576	910054	911325	912074
	230 x 22.23	906315	905663	908611	906847	909578	910056	911327	912076
	100 x 16	906317	905665	908613	906849	909589	910058	911329	912078
	115 x 22.23	906319	905667	908615	906851	909591	921233	911334	912081
	125 x 22.23	906321	905669	908617	906853	909593	921235	911336	912083
	150 x 22.23	930254	930269	930274	930276	930278	930283	930285	930287
	180 x 22.23	906323	905671	908619	906855	909595	910063	911338	912085
	230 x 22.23	906325	905673	908621	906857	909597	910074	911341	912087



Hook & Loop Discs

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



Product Category Information

Wings hook & loop discs are offered in various types to meet different application needs. Hook & loop discs are served with a total of 10 different types of Silicon Carbide, Aluminum Oxide, Zirconium and Ceramic abrasives, generally from 24 grit to 400 grit, from 100mm diameter to 230mm diameter, with 8 different hole types.

Category	Abrasive	Product Code	Feature	
F Paper	<div>SC</div> <div>Silicon Carbide</div>	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.	
	<div>AO</div> <div>Aluminum Oxide</div>	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.	
	<div>ZR</div> <div>Zirconia</div>	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.	
	<div>CE</div> <div>Ceramic</div>	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 Zirconia abrasive grains, also antistatic and semi-open coating.	
X Cotton Cloth	<div>AO</div> <div>Aluminum Oxide</div>	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.	
	<div>ZR</div> <div>Zirconia</div>	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	<div>AO</div> <div>Aluminum Oxide</div>	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.	
	<div>ZR</div> <div>Zirconia</div>	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.	
	<div>CE</div> <div>Ceramic</div>	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.	

Application and Performance Table

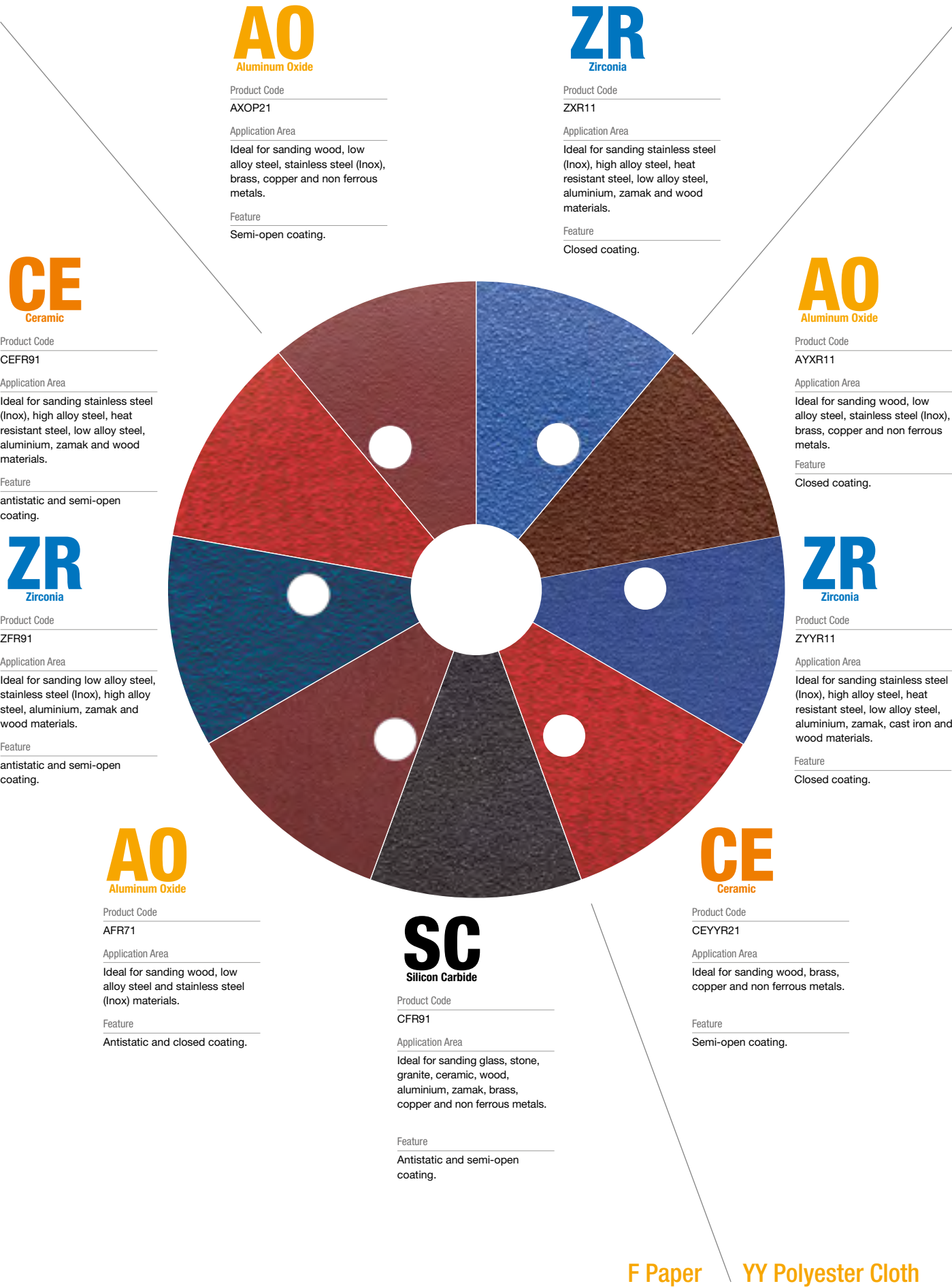
●●● Perfect
●● Suitable
● Possible

Abrasive	Category	Wood	Low Alloy Steel	Stainless Steel / Inox	High Alloy Steel / Heat Resistant Steel	Aluminium / Zamak	Brass / Cooper / Non Ferrous Metals	Cast Iron	Glass / Stone / Granite / Vitrified
<div>SC</div> <div>Silicon Carbide</div> <div>CFR91</div>	F Paper	●●				●	●		●●●
<div>AO</div> <div>Aluminum Oxide</div> <div>AFR71</div>		●●●	●	●					
<div>ZR</div> <div>Zirconia</div> <div>ZFR91</div>		●	●●	●●	●	●			
<div>CE</div> <div>Ceramic</div> <div>CEFR91</div>		●	●●	●●●	●●●	●			
<div>AO</div> <div>Aluminum Oxide</div> <div>AXOP21</div>	X Cotton Cloth	●●●	●	●			●		
<div>ZR</div> <div>Zirconia</div> <div>ZXR11</div>		●	●●	●●●	●●	●			
<div>AO</div> <div>Aluminum Oxide</div> <div>AYXR11</div>	YY Polyester Cloth	●●●	●	●			●		
<div>ZR</div> <div>Zirconia</div> <div>ZYYR11</div>		●	●●	●●●	●●	●		●	
<div>CE</div> <div>Ceramic</div> <div>CEYYR21</div>		●●●					●●		



Product Types

X Cotton Cloth



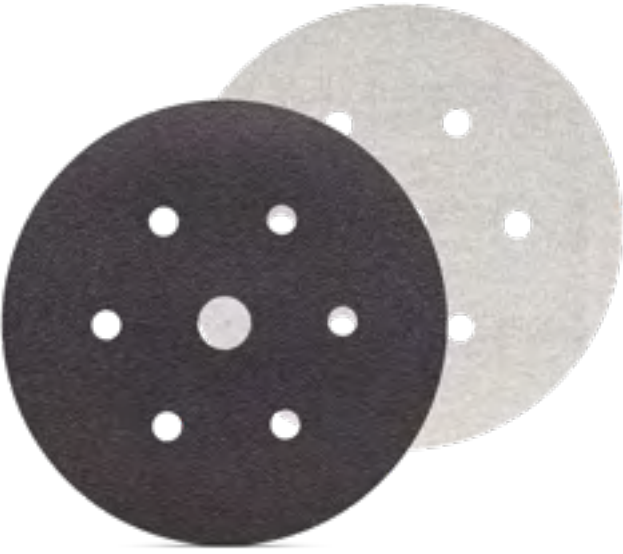
Types and Diameters

	No Hole	6 Holes	7 Holes	8 Holes	9 Holes	15 Holes	17 Holes	Star Shaped Hole
Disc Diameters								
100 mm 4"								
115 mm 4½"								
125 mm 5"								
150 mm 6"								
178 mm 7 1/64"								
180 mm 7"								
200 mm 7 7/8"								
225 mm 8"								
230 mm 9"								

Hole Diameters

Outer Diameter (mm)	Hole Status	Hole in The Middle (mm)	Inner Hole Circle Diameters (mm)	Number of Holes in The Inner Hole Circle (piece)	Diameter of The Holes 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)
125	8 Holes		65	8	10			
125	9 Holes	11	65	8	10			
150	6 Holes		80	6	10			
150	7 Holes	18	80	6	10			
150	8 Holes		65	8	10			
150	9 Holes	18	120	8	9,5			
150	15 Holes	17	80	6	9	120	8	9
150	17 Holes	10	65	8	8	120	8	10
178	Star Shaped Hole	22						

F PAPER HOOK & LOOP DISCS




SC
Silicon Carbide

Product Description

Product Code	: CFR91
Abrasive	: Silicon Carbide
Backing	: F Paper
Grit Range	: 36-400
Application	: Ideal for sanding glass, stone, granite, ceramic, wood, aluminium, zamak, brass, copper and non ferrous metals.
Feature	: Antistatic and semi-open coating.

			36	40	50	60	80	100	120	150	180	220	240	280	320	400		
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Tip	Ebat (mm)	36 Kum	40 Kum	50 Kum	60 Kum	80 Kum	100 Kum	120 Kum	150 Kum	180 Kum	220 Kum	320 Kum	400 Kum
 No Hole	115	913140	913154	913255	913414	912403	912546	913509	913673	913736	913804	914073	914115
	125	913142	913156	913257	913416	912405	912575	913510	913675	913738	913806	914075	913465
	150	922860	922864	922866	922868	922870	922844	922846	922848	922850	922852	922858	922862
	178	923226	923230	923232	923234	923236	923148	923149	923204	923210	923218	923224	923228
	200	924791	924795	924797	924799	924801	924759	924761	924779	924781	924783	924789	924793
6 Holes	150	923321	923325	923327	923329	923331	923305	923307	923309	923311	923313	923319	923323
7 Holes	150	923531	923535	923537	923539	923541	923515	923517	923519	923521	923523	923529	923533
8 Holes	125	913148	913163	913271	913422	912412	912586	913566	913685	913745	913812	914081	913471
	150	923754	923758	923760	923762	923764	923738	923740	923742	923744	923746	923752	923756
9 Holes	125	913150	913165	913288	913424	912414	912589	913568	913687	913747	913814	914083	913473
	150	923804	923808	923810	923812	923814	923788	923790	923792	923794	923796	923802	923806
15 Holes	150	952988	952989	952990	952991	952992	952993	952994	952995	952996	952997	953000	953001




F PAPER HOOK & LOOP DISCS

AO
Aluminum Oxide

Product Description

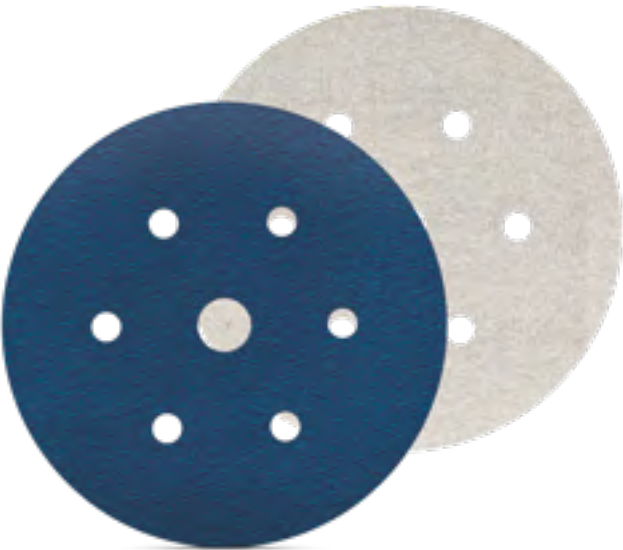
Product Code	: AFR71
Abrasive	: Aluminum Oxide
Backing	: F Paper
Grit Range	: 40-600
Application	: Ideal for sanding wood, low alloy steel and stainless steel (Inox) materials.
Feature	: Antistatic and closed coating.

			40	50	60	80	100	120	150	180	220	240	280	320	400	500	600		
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Type	Dimension (mm)	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	150 Grit	180 Grit	220 Grit	240 Grit	280 Grit	320 Grit	400 Grit	500 Grit	600 Grit
 No Hole	115	947939	913292	947940	947941	947937	947938	913691	952283	913818	913987	914045	952284	952285	953057	952286
	125	913169	913294	913428	912418	912597	913572	913693	913752	913820	913989	914047	914087	913477	953058	953059
	150	922432	922434	922436	922438	922904	922906	922908	922910	922912	922914	922924	922926	922928	953064	953065
	178	923295	923297	924666	924668	923268	952277	923289	952278	952279	923291	923293	952280	952281	953076	952282
	180	947944	913296	947945	947946	947942	947943	913695	913754	913822	913993	914049	914089	913479	953077	953078
	200	924845	924854	924858	924861	924825	924827	924829	924831	924833	924836	924838	924840	924842	953079	953080
	225	924977	924978	924980	924984	924952	924956	924960	924966	924968	924970	924972	924974	924976	953081	953082
	230	913172	913298	913431	912421	912599	913574	913697	913756	913825	913995	914051	914091	913481	953083	953084
6 Holes	150	923458	923469	923471	923209	923355	923206	952196	923357	923207	923359	923448	923208	923450	953070	953071
7 Holes	150	923578	923580	944684	944685	923565	944686	923567	923569	944687	923571	923574	944688	923576	953072	953073
8 Holes	125	913174	913301	913433	912442	912602	913576	913699	913758	913827	913997	914053	914093	913483	953060	953061
9 Holes	125	913176	913303	913435	923200	912604	923197	913702	913763	923198	913999	914055	923199	913485	953062	953063
	150	923831	923833	923835	922930	923817	932365	923819	923821	923823	923825	923827	947657	923829	953074	953075
15 Holes	150	922632	922634	922636	922638	922585	922587	922589	922614	922616	922618	922620	922622	922624	953066	953067
17 Holes	150	922776	923299	923301	923303	922717	922719	922721	922723	922725	922727	922729	922731	922761	953068	953069
Star Shaped Hole	178	953108	953110	953112	953113	953099	953100	953101	953102	953103	953104	953105	953106	953107	953109	953111



F PAPER HOOK & LOOP DISCS




ZR
Zirconia

Product Description

Product Code	: ZFR91
Abrasive	: Zirconia
Backing	: F Paper
Grit Range	: 24-400
Application	: Ideal for sanding low alloy steel, stainless steel (Inox), high alloy steel, aluminium, zamak and wood materials.
Feature	: Antistatic and semi-open coating.

	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400		
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Type	Dimension (mm)	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	150 Grit	180 Grit	220 Grit	240 Grit	280 Grit	320 Grit	400 Grit
 No Hole	115	913113	914133	947900	913307	947901	947902	947903	947904	913706	913767	913831	914005	914059	914097	922790
	125	913115	914153	913181	913309	913439	912455	912608	913581	913708	913769	913833	914007	914061	914099	922798
	150	922485	922492	922498	922500	922501	922503	922472	922474	922476	922478	922481	922483	922487	922489	922494
	178	924721	924727	924731	924733	924735	924737	924711	924713	924715	924716	924717	924718	924723	924725	924729
	180	913117	914125	947912	913313	947911	947910	947909	947908	913711	913771	913835	914009	914063	914103	924757
	200	924927	924935	924941	924945	924947	924950	924888	924892	924909	924912	924919	924922	924928	924931	924937
6 Holes	150	923485	923503	923507	923509	923511	923513	923473	923475	923477	923479	923481	923483	923487	923489	923505
7 Holes	150	923703	923726	923730	923732	923734	923736	923684	923686	923688	923694	923699	923701	923705	923707	923728
9 Holes	125	913123	914177	913185	913319	913445	912464	944642	913587	913717	913777	913841	914017	914069	914109	913185
	150	922967	922973	922977	922979	922981	922983	922955	922957	922959	922961	922963	922965	922969	922971	922975
15 Holes	150	922675	922705	922709	922711	922713	922715	922663	922665	922667	922669	922671	922673	922678	922680	922707
Star Shaped Hole	178	953161	953162	953163	953164	953165	953166	953167	953168	953169	953170	953171	953172	953173	953174	953175



F PAPER HOOK & LOOP DISCS

CE
Ceramic

Product Description

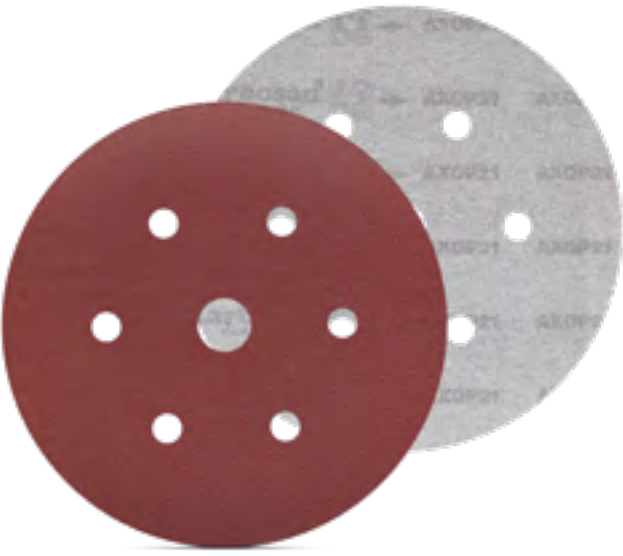
Product Code	: CEFR91
Abrasive	: Ceramic
Backing	: F Paper
Grit Range	: 24-220
Application	: Ideal for sanding stainless steel (Inox), high alloy steel, heat resistant steel, low alloy steel, aluminium, zamak and wood materials.
Feature	: Antistatic and semi-open coating.

	24	36	40	50	60	80	100	120	150	180	220						
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Type	Dimension (mm)	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit	150 Grit	180 Grit	220 Grit
 No Hole	115	913127	914207	913189	913324	913449	912468	912621	913591	922784	922786	922788
	125	913128	914135	913192	913327	913451	912472	912623	913593	922792	922794	922796
	150	922816	922818	922820	922822	922824	922826	922804	922806	922810	922812	922814
	178	923120	923122	923124	923126	923128	923130	923110	923112	923114	923116	923118
9 Holes	150	923776	923778	923780	923782	923784	923786	923766	923768	923770	923772	923774
15 Holes	150	922572	922575	922577	922579	922581	922583	922523	922525	922527	922568	922570
Star Shaped Hole	150	922995	922997	922999	923001	923003	923014	922985	922987	922989	922991	922993



X COTTON CLOTH HOOK & LOOP DISCS



A0
Aluminum Oxide

Product Description

- Product Code : AXOP21
- Abrasive : Aluminum Oxide
- Backing : X Standard Cotton Cloth
- Grit Range : 24-400
- Application : Ideal for sanding wood, low alloy steel, stainless steel (Inox), brass, copper and non ferrous metals.
- Feature : Semi-open coating.

24	36	40	50	60	80	100	120	150	180	220	240	280	320	400		
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Type	Dimension (mm)	40 Grit	60 Grit	80 Grit	100 Grit	120 Grit	150 Grit	180 Grit	220 Grit	240 Grit	280 Grit	320 Grit
No Hole	115	913205	913463	912488	912682	913606	913720	913781	913845	913859	913916	913930
	125	913209	912351	912494	912684	913608	913722	913783	913847	913861	913918	913932
	150	922898	922900	922902	922872	922874	922877	922879	922881	922883	922885	922888
	178	923262	923264	923266	923238	923240	923242	923251	923253	923255	923258	923260
	200	924819	924821	924823	924803	924805	924807	924809	924811	924813	924815	924817
	230	913214	912355	912505	912687	913612	913727	913787	913851	913872	913922	913936
6 Holes	150	923349	923351	923353	923333	923335	923337	923339	923341	923343	923345	923347
7 Holes	150	923559	923561	923563	923543	923545	923547	923549	923551	923553	923555	923557



X COTTON CLOTH HOOK & LOOP DISCS

ZR
Zirconia

Product Description

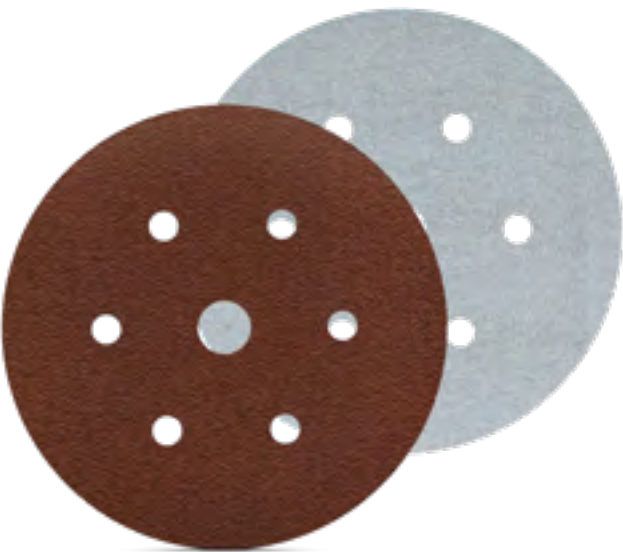
- Product Code : ZXR11
- Abrasive : Zirconia
- Backing : X Heavy Cotton Cloth
- Grit Range : 24-120
- Application : Ideal for sanding stainless steel (Inox), high alloy steel, heat resistant steel, low alloy steel, aluminium, zamak and wood materials.
- Feature : Closed coating.

24	36	40	50	60	80	100	120									
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Type	Dimension (mm)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit
No Hole	115	914129	913222	913339	912364	912526	913489	913620
	125	914149	913224	913342	912366	912528	913491	913625
	150	922462	922464	922465	922467	922469	922457	922459
	178	924674	924676	924704	924707	924709	924670	924672
	200	924874	924876	924878	924882	924886	924863	924865
7 Holes	150	923674	923676	923678	923680	923682	923667	923672
8 Holes	125	914165	913232	913348	912387	912534	913497	913657
9 Holes	150	922936	922938	922940	922942	922953	922932	922934
15 Holes	150	922653	922655	922657	922659	922661	922648	922651
Star Shaped Hole	178	923062	923064	923066	923068	923082	923057	923059



YY POLYESTER CLOTH HOOK & LOOP DISCS



A0
Aluminum Oxide

Product Description

- 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.

16	24	36	40	50	60	80	100	120	150	180	220	240	280	320	400	500	600
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Type	Dimension (mm)	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit
No Hole	125	914145	913236	913352	912394	912538	913501	913662
	150	922446	922448	922451	922453	922455	922441	922443
7 Holes	150	923586	923588	923590	923592	923665	923582	923584



YY POLYESTER CLOTH HOOK & LOOP DISCS

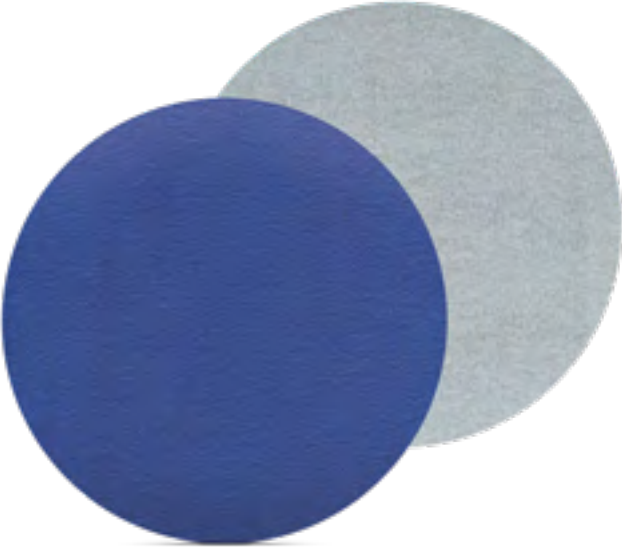
ZR
Zirconia

Product Description

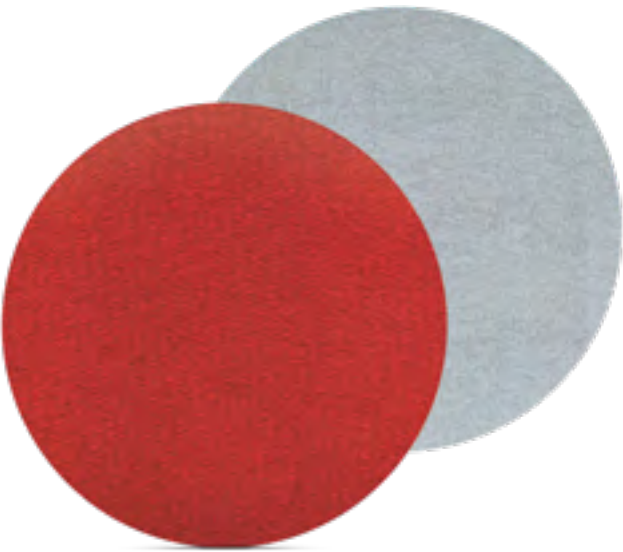
- Product Code : ZYYR11
- Abrasive : Zirconia
- Backing : YY Polyester Cloth
- Grit Range : 24-120
- Application : Ideal for sanding stainless steel (Inox), high alloy steel, heat resistant steel, low alloy steel, aluminium, zamak, cast iron and wood materials.
- Feature : Closed coating.

24	36	40	50	60	80	100	120										
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Type	Dimension (mm)	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit
No Hole	150	922509	922512	922514	922516	922518	922521	922505	922507



YY POLYESTER CLOTH HOOK & LOOP DISCS



CE
Ceramic

Product Description

- Product Code : CEYR21
- 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.

	24	36	40	50	60	80	100	120									
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Type	Dimension (mm)	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	100 Grit	120 Grit
No Hole	125	914137	914139	913251	913406	912398	912542	913505	913667
	150	922832	922834	922836	922838	922840	922842	922828	922830



Sheet and Sponges

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



Latex AO WATERPROOF SANDPAPER



Product Discription

- Abrasive : Aluminum Oxide
- Backing : Latex C Paper
- Bond : Resine
- Grit Range : 60-1000
- Features : 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



Product Discription

- Abrasive : Silicon Carbide
- Backing : Latex C Paper
- Bond : Resine
- Grit Range : 60-1000
- Features : 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

Product Discription

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.



SPONGE ABRASIVE

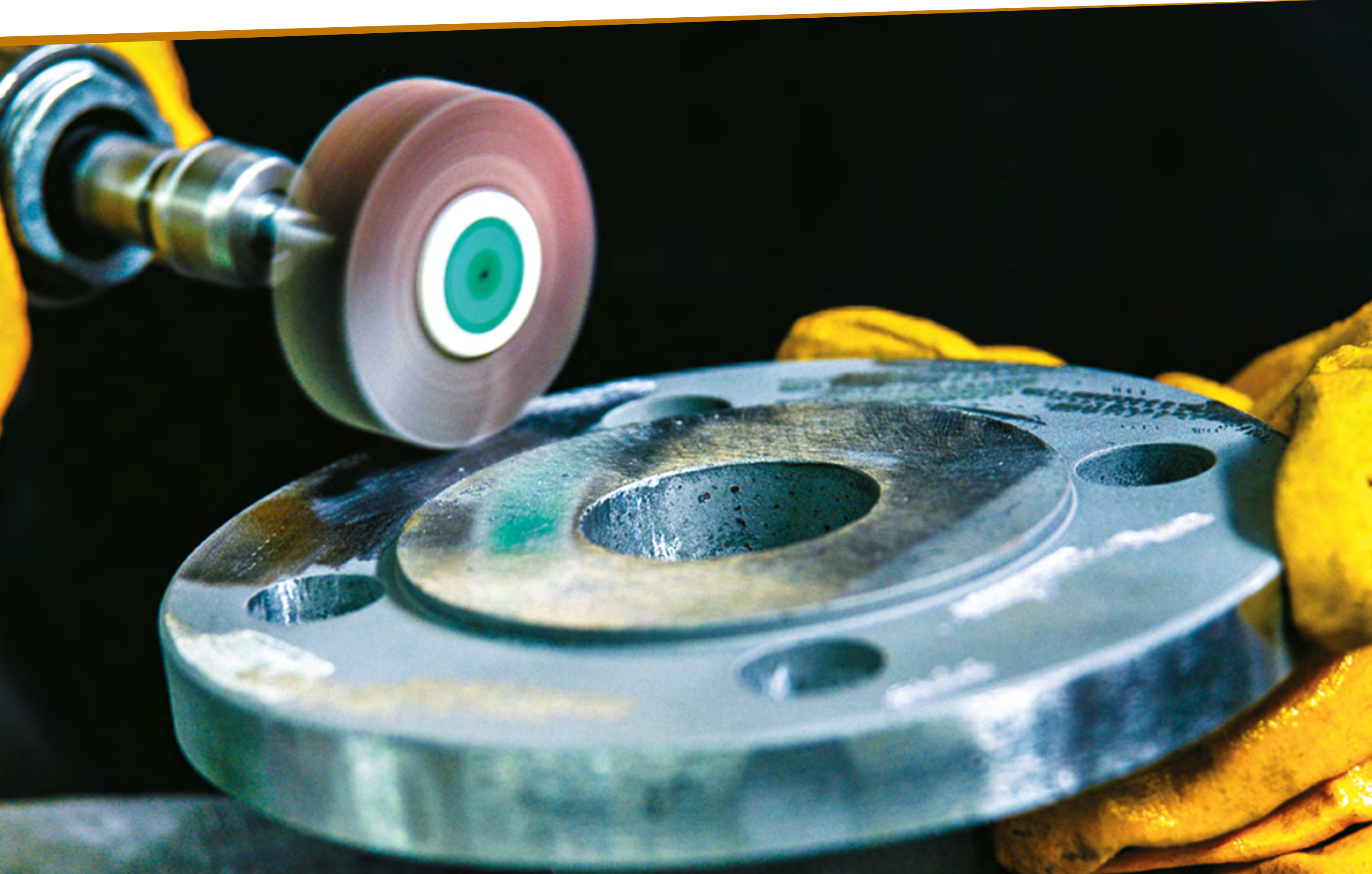
Product Discription

- Grit Range : 60-1000
- Features : 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.














Flap Wheels

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



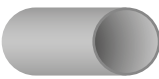


Product Types

Wings flap wheels are offered in various types to meet different application needs. Flap wheels are served with a total of 11 different types under product groups of Spindle Mounted, Flanged Lamellar, Keyway, Universal and Flap Type. Other than the standard types, flap wheels are also specially offered according to customer demands, applications and operation methods.





Category	Product	Material	Quality	Features	
Flap Wheel on Shaft	Abrasive Cloth	Abrasive Cloth	AXFR11*	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.	
	Non-woven	Non-woven	A Fine	Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during operation.	
	Combi	Abrasive Cloth and Non-woven	AXFR11* & A Fine	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.	
Flap Wheel on Flange	Abrasive Cloth	Abrasive Cloth	AXFR11*	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.	
	Non-woven	Non-woven	A Fine	Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during operation.	
	Combi	Abrasive Cloth and Non-woven	AXFR11* & A Fine	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.	
Keyway Flap Wheel	Abrasive Cloth	Abrasive Cloth	AXFR11*	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.	
	Non-woven	Non-woven	A Fine	Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during operation.	
	Combi	Abrasive Cloth and Non-woven	AXFR11* & A Fine	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.	
Flap Type Flap Wheel	Non-woven	Non-woven	A Fine	Suitable for surface cleaning and polishing. Composed of A Fine quality non-woven. No scratch on material surface during operation.	
	Combi	Abrasive Cloth and Non-woven	AXFR11* & A Fine	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.	

Application and Performance Table

●●● Perfect
●● Suitable
● Possible

Category	Product	 Cylindrical (Hole)	 Flat	 Formed / Edge
Flap Wheel on Shaft	Abrasive Cloth	●●●	●	●●●
	Non-woven	●●●	●	●●●
	Combi	●●●	●	●●●
Flap Wheel on Flange	Abrasive Cloth	●●●	●●	●●
	Non-woven	●●●	●●	●●
	Combi	●●●	●●	●●
Keyway Flap Wheel	Abrasive Cloth	●	●●●	●●
	Non-woven	●	●●●	●●
	Combi	●	●●●	●●
Flap Type Flap Wheel	Non-woven	●●	●●●	●
	Combi	●●	●●●	●

Types and Diameters

Diameter (mm)	Width (mm)	Spindle Mounted Flap Wheel			Flanged Lamellar Flap Wheel			Keyway Flap Wheel			Flap Type Flap Wheel		
		 Spindle diameter 6mm.			 Inner hole diameter 25mm or 45mm. Can be produced in special dimensions.			 Inner hole diameter 19mm, 4 pieces keyway holes			 Inner hole diameter 22.23mm, suitable for angled hand grinders.		
		Abrasive Cloth	Non-woven	Combi	Abrasive Cloth	Non-woven	Combi	Abrasive Cloth	Non-woven	Combi	Abrasive Cloth	Non-woven	Combi
20	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 ON SHAFT

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.



Sandpaper

Features : 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	Grit	Box
20 × 15	AXFR11	40-400	20
20 × 20			20
20 × 25			20
25 × 15			10
25 × 20			10
25 × 30			10
30 × 10			10
30 × 15			10
30 × 20			10
30 × 30			10
40 × 10			10
40 × 15			10
40 × 20			10
40 × 30			10
50 × 10			10
50 × 15			10
50 × 20			10
50 × 30			10
60 × 15			10
60 × 20			10
60 × 30			10
60 × 40			10
80 × 15			10
80 × 20			10
80 × 30			10
80 × 40			10
80 × 50			10



FLAP WHEEL ON SHAFT

Non-woven

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



Dimension (mm)	Quality	Box	Dimension (mm)	Quality	Box
20 × 15	A fine	20	50 × 10	A fine	10
20 × 20		20	50 × 15		10
20 × 25		20	50 × 20		10
25 × 15		10	50 × 30		10
25 × 20		10	60 × 15		10
25 × 30		10	60 × 20		10
30 × 10		10	60 × 30		10
30 × 15		10	60 × 40		10
30 × 20		10	80 × 15		10
30 × 30		10	80 × 20		10
40 × 10		10	80 × 30		10
40 × 15		10	80 × 40		10
40 × 20		10	80 × 50		10
40 × 30		10			

Combi (Abrasive Cloth + Non-woven)

Features : 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	Box	Dimension (mm)	Quality	Box
20 × 15	AXFR11 ve A fine	20	50 × 10	AXFR11 ve A fine	10
20 × 20		20	50 × 15		10
20 × 25		20	50 × 20		10
25 × 15		10	50 × 30		10
25 × 20		10	60 × 15		10
25 × 30		10	60 × 20		10
30 × 10		10	60 × 30		10
30 × 15		10	60 × 40		10
30 × 20		10	80 × 15		10
30 × 30		10	80 × 20		10
40 × 10		10	80 × 30		10
40 × 15		10	80 × 40		10
40 × 20		10	80 × 50		10
40 × 30		10			

FLAP WHEEL ON 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

Features : 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.

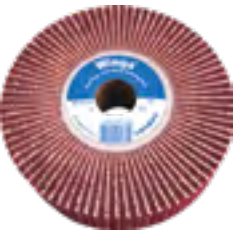
Dimension (mm)	Quality	Grit	Box
165 × 30 × 25	AXFR11	40-400	1
165 × 50 × 45			1



Non-woven

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

Dimension (mm)	Quality	Box
165 × 30 × 25	Afine	1
165 × 30 × 45		1
165 × 50 × 25		1
165 × 50 × 45		1



Combi (Abrasive Cloth + Non-woven)

Features : 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	Box
165 × 30 × 25	AXFR11 ve Afine	1
165 × 30 × 45		1
165 × 50 × 25		1
165 × 50 × 45		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

Features : 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.

Ölçü <i>mm</i>)	Quality	Grit	Box
100 × 100 × 19	AXFR11	40-120	1



Non-woven

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

Dimension <i>mm</i>)	Quality	Box
100 × 100 × 19	Afine	1



Combi *(Abrasive Cloth + Non-woven)*

Features : 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 <i>mm</i>)	Quality	Box
100 × 100 × 19	AXFR11 ve Afine	1

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

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



Dimension <i>mm</i>)	Quality	Box
115 × 22.23	Afine	10

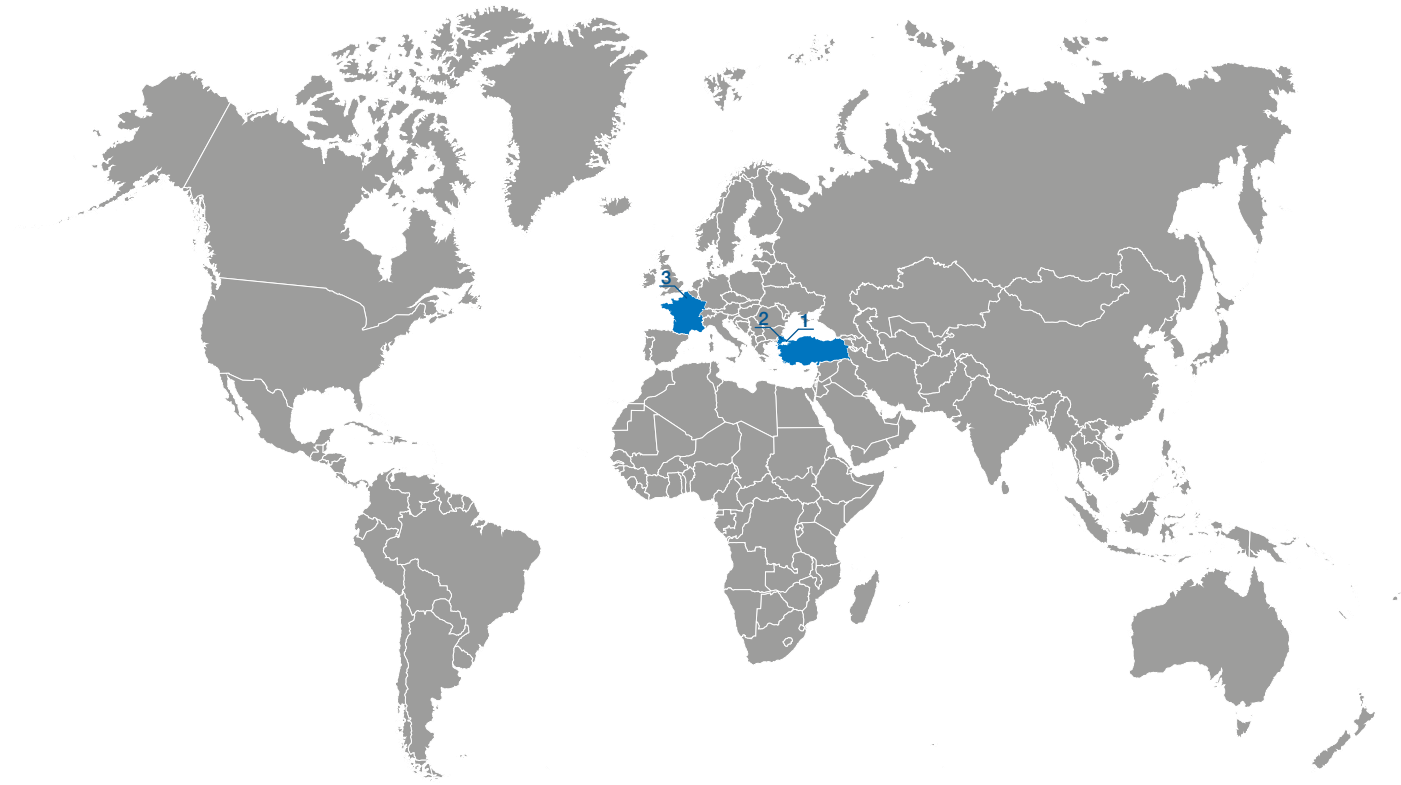
Combi *(Abrasive Cloth + Non-woven)*

Features : 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 <i>mm</i>)	Quality	Box
115 × 22.23	AXFR11 ve Afine	10

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