



2020

Abrasives
Product Catalogue



GeKa
Algeria



GeKaFlex





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TECHNICAL INFORMATION

LABEL DESCRIPTION



- 1- Registered Trademark and Company Logo
- 2- Wheel Type
- 3- Abrasive Grain Description
- 4- Dimensions (Inch & MM)
- 5- Safety Warnings
- 6- Origin
- 7- Registered OSA Number
- 8- International Standards Number EN and OSA Logo
- 9- Validity Date
- 10- Usage
- 11- Wheel Shape
- 12- Pictogram Indicating Usage
- 13- Speed Line (Red : 80m/s)
- 14- Maximum Operating Speed

MAXIMUM OPERATING SPEED FOR DISCS

Ø mm	Ø inch	Rotating Speed		
		50 m/s	80 m/s	100 m/s
100	4	9500	15.200	19.100
110	4 3/8	8.500	14.200	16.900
115	4 1/2	8.350	13.300	16.600
125	5	7.600	12.200	15.300
150	6	6.400	10.200	12.700
180	7	5.350	8.600	10.650
230	9	4.800	6.600	8.350
300	12	3.200	5.100	6.300
355	14	2.750	4.400	5.400
400	16	2.400	3.800	4.700

DIMENSIONS

Diameter

M M	100	115	125	150	180	230	300	355	400	450	500
INCH	4	4 1/2	5	6	7	9	12	14	16	18	24

Thickness

M M	0,8	1,0	1,6	1,9	2,0	2,5	2,8	3,0	3,2	3,5	4,0	4,4	4,5	6	8
INCH	.03	.040	.045	.045	3/32	3/32	3/32	1/8	1/8	1/8	3/16	3/16	3/16	1/4	5/16

Bushing Hole Diameter

M M	10,0	16,0	20,0	22,23	25,4	32,0
INCH	3/8	5/8	3/4	7/8	1	1 1/4

VALIDITY DATE

V = VALIDITY DATE (PRODUCTION QUARTER + 3 YEAR)



V1 V4 V7 V11
 1st quarter of the year 2nd quarter of the year 3rd quarter of the year 4th quarter of the year

EXAMPLE:
 V3/2019 shows that the discs production date is the 1st quarter of 2016
 The advised validity date is 1st quarter of 2019

ABRASIVE GRAIN DESCRIPTION

41	A	30	T	6	BF	80
TOOL SHAPE	TYPE OF GRAIN	GRAIN SIZE	HARDNESS	COATING	BOND	MAX OPERATING SPEED

F41: Flat, Cut-off wheels *
 * See: Tool Shapes Table

A: Aluminum Oxide
 C: Silicon Carbide
 ZA: Zirconia Alumina

16-24: Coarse
 30-60: Medium
 70+: Fine

H-K: Soft
 L-O: Medium
 P-S: Hard
 T-W: Very Hard

1-3: Dense
 4-5: Medium
 6-8: Sparse
 9-10: Very Sparse

BF = Fibre-reinforced resinoid bond with cloth
 B = Resinoid bond and other duroplastic organic bonds

DISC STRUCTURE



TYPE OF GRAINS

Aluminum Oxide (A)

Aluminum Oxide is used for cutting and grinding on alloyed, unalloyed and **stainless steel materials (Inox) because of its hard and durable structure**

Silicon Carbide (C)

Silicon Carbide is a very hard and fragile abrasive grain which is used for cutting and grinding materials like, glass, natural stone and cast iron

Zirconium (Z)


Zirconium is a hard and very durable abrasive grain which is used for cutting and grinding materials like alloyed and high alloyed steel and it is also a grain that is used for cast steel

Ceramic (CU)

Ceramic is a long lasting, hard and very durable abrasive grain that is used for cutting and grinding materials like high alloyed steel and hardened **steel. With its self-sharpening characteristic it is a very aggressive grain.**

QUALITY STANDARDS

GeKaFlex operates under ISO 9001 quality management system and has been carrying the certification through the years. GeKaFlex also entitled with prestigious certification from oSA (Organisation for Safety of Abrasives) a leading institution that sets high quality and safety standards of the industry, thus GeKaFlex shows its dedication for manufacturing high quality and safe abrasive products. All of the products accmplies with EN 12413 / EN13743 norms at their related categories .

 oSA Safety Logo

The oSA logo on the product shows that the product is produced at the highest level of quality and safety standards in the abrasives industry worldwide.

EN 12413: European Standard for cut-off and grinding discs
EN 13743: European Standard for coated abrasives

MATERIALS



MACHINE PICTOGRAMS



Portable Angle Grinder for Cutting



Portable Angle Grinder for Grinding



Portable Angle Grinder for Cup Wheels



Straight Grinding Machine

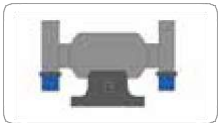


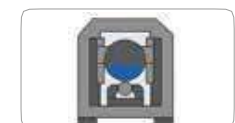
Table Grinding Machine



Chop Saw

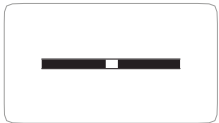


Portable Gasoline Cutting Machine



Stationary Machine

TOOL SHAPES



Type 1
Flat Grinding Wheels



Type 10
Flat Cup Wheels



Type 11
Conical Cup Wheels



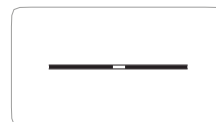
Type 27
Depressed Center Grinding Wheels



Type 27
Flat Flap Discs



Type 29
Conical Flap Discs



Type 41
Flat Cutting Discs



Type 42
Depressed Cutting Discs

SAFETY PICTOGRAMS



Wear eye protection



Wear respirator



Wear gloves



Wear ear protection



Follow Instructions



Do not use with hand-held operations



Do not use for wet grinding



Suitable for wet grinding



Do not use for side grinding



Do not use damaged abrasive discs

SAFETY ADVICES

PRECAUTIONS TAKEN AGAINST RISKS

For your own safety these recommendations should be observed by all users, in the interest of their own safety. Use only tools that comply with the highest safety standards. These tools comply with European standard EN 12413 on safety requirements for abrasives.

- **Use abrasive tools only with such machines expressly specified by the manufacturer in his manual for use with cutting-off wheels and grinding discs, or with cup grinding wheels.**
- Never use abrasive tools beyond the indicated expiration date!
- The expiration date, which shows the month and year, can be found on the metal ring in the centre of the disk.
- **Always store abrasive tools in a dry location at room temperature; used the oldest tools first.**
- Prior to use, check the abrasive tool for possible damage.
- Important: Do not use damaged abrasives!
- Disconnect the machine from the power supply before changing the abrasive tool.
- **Observe the max. RPMs specified on the abrasive tools. Your machine must never exceed the max. RPM of that shown on the wheel/disc!**
- Make sure that the abrasive tool is mounted correctly. Ensure the diameter of the disc bore hole matches the diameter of the mount on your machine.
- **Both clamping flanges must be of equal diameters. Do not use wheel flanges of different diameters.**
- **Use only machines fitted with a safety guard and handle. The guard should be adjusted to offer the operator maximum protection.**
- Never use cutting-off wheels for grinding, unless this is expressly allowed by a pictogram
- Always wear appropriate safety clothing such as DUST MASK, GLOVES, EAR PROTECTION, OVERALLS & SAFETY SHOES

DO	DON'T
Always visually inspect all wheels before mounting for possible damage in transit	Use non-reinforced cutting-off wheels on portable machines
Always switch 'OFF' the power at supply source &/or remove the plug from the socket before changing the wheel	Force a wheel onto a machine spindle
DO Always secure the workpiece firmly while it is being cut or ground	Grind with a depressed centre grinding wheel at an angle below 30 degrees to the workpiece
Grind at an angle above 30 degrees to the workpiece with a depressed centre grinding wheel	Use a machine in a position where you do not have full control of the machine & you are not well balanced
Allow newly mounted wheels to run at operating speed, with the guard in place, for a reasonable time before cutting or grinding	Apply side pressure to cutting-off wheels. You should not bend the wheel
Check tension of driving belts, where fitted, on a regular basis. Belts must be kept tight to ensure full power transmission.	Use mounting flanges which are incorrect, damaged, dirty or burred
Always use the correct wheel mounting flanges & ensure that they are undamaged, clean & free from burrs	Drop or lower a portable machine by the cable or airline onto the floor.
Always ensure that the spindle speed of the machine does not exceed the operating speed marked on the wheel	Store wheels in a damp atmosphere or in extreme temperatures
Put portable machines in suitable cradles, when not being used, to avoid damage to the wheel	Use blotters with depressed centre wheels less than or equal to 406mm
DO Always secure the workpiece firmly while it is being cut.	Stop the wheel by applying pressure to the periphery or face. Switch the machine off & allow the wheel to stop revolving



CUT-OFF WHEELS & GRINDING DISCS



- Steel Cut-off & Grinding Discs
- Inox Cut-off & Grinding Discs
- Stone Cut-off & Grinding Discs

STEEL SERIES



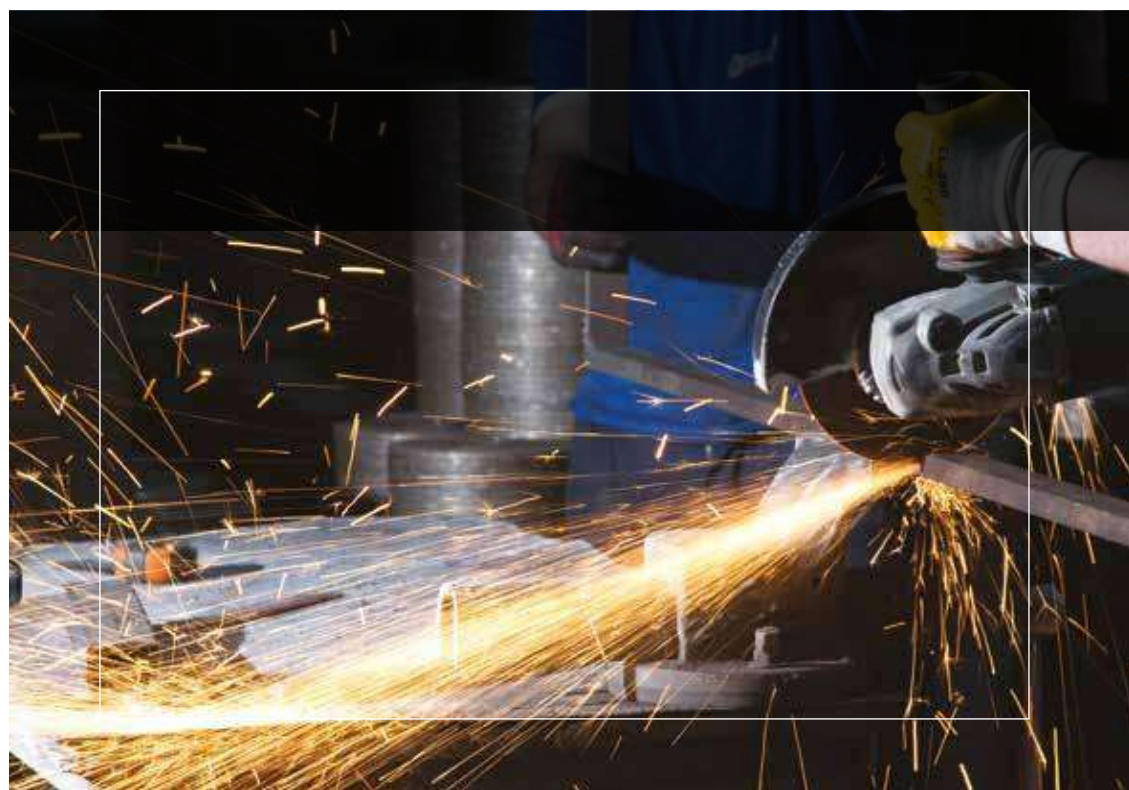
FEATURES

- Economical multi purpose discs for industrial applications,
- **Suitable for cutting of sheet metal, profiles, steel and cast.**
- Long life time
- High quality Aluminium Oxide grain



CUT-OFF DISCS FOR STEEL

DIMENSIONS MM	DIMENSIONS INCH	GRAIN	TYPE	PCS/BOX
100 X 2,5 X 16 mm	4 X 3/32 X 5/8	AS 36 R BF	/	450
100 X 3,0 X 16 mm	4 X 1/8 X 5/8	AS 36 R BF	/	450
115 X 2,5 X 22 mm	4 1/2 X 3/32 X 7/8	AS 36 R BF	/	400
115 X 3,0 X 22 mm	4 1/2 X 1/8 X 7/8	AS 36 R BF	/	400
125 X 2,5 X 22 mm	5 X 3/32 X 7/8	AS 36 R BF	/	300
125 X 3,0 X 22 mm	5 X 1/8 X 7/8	AS 36 R BF	/	300
180 X 2,5 X 22 mm	7 X 3/32 X 7/8	AS 36 R BF	/	150
180 X 3,0 X 22 mm	7 X 1/8 X 7/8	AS 36 R BF	/	150
230 X 2,5 X 22 mm	9 X 3/32 X 7/8	AS 36 R BF	/	100
230 X 3,0 X 22 mm	9 X 1/8 X 7/8	AS 36 R BF	/	100



STEEL SERIES



FEATURES

- General purpose wheels for steel applications,
- Surface grinding, welding seams, weld grinding
- High stock removal rates
- High quality Aluminium Oxide grain



GRINDING DISCS FOR STEEL

DIMENSIONS MM	DIMENSIONS INCH	GRAIN	TYPE	PCS/BOX
100 X 6,0 X 16 mm	4 X 1/4 X 5/8	AS 24 R BF		180
115 X 6,0 X 22 mm	4 1/2 X 1/4 X 7/8	AS 24 R BF		160
125 X 6,0 X 22 mm	5 X 1/4 X 7/8	AS 24 R BF		120
180 X 6,0 X 22 mm	7 X 5/32 X 7/8	AS 24 R BF		60
180 X 8,0 X 22 mm	7 X 5/32 X 7/8	AS 24 R BF		60
230 X 6,0 X 22 mm	7 X 5/32 X 7/8	AS 24 R BF		40
230 X 8,0 X 22 mm	7 X 1/4 X 7/8	AS 24 R BF		30



FEATURES

- Economical multi purpose discs for industrial applications,
- **Suitable for cutting of sheet metal, profiles, steel and cast.**
- Long life time
- High quality Aluminium Oxide grain



THIN CUT-OFF DISCS FOR STEEL

DIMENSIONS MM	DIMENSIONS INCH	GRAIN	TYPE	PCS/BOX
100 X 1,0 X 16 mm	4 X 3/64 X 5/8	AS 60 R BF	/	600
115 X 1,0 X 22 mm	4 1/2 X 3/64 X 5/8	AS 60 R BF	/	600
115 X 1,6 X 22 mm	4 1/2 X 1/16 X 7/8	AS 60 R BF	/	600
125 X 1,0 X 22 mm	5 X 3/64 X 7/8	AS 60 R BF	/	500
125 X 1,6 X 22 mm	5 X 1/16 X 7/8	AS 60 R BF	/	500
180 X 1,6 X 22 mm	7 X 1/16 X 7/8	AS 60 R BF	/	300
180 X 1,9 X 22 mm	7 X 5/64 X 7/8	AS 60 R BF	/	300
230 X 1,9 X 22 mm	9 X 5/64 X 7/8	AS 60 R BF	/	150

STAINLESS STEEL SERIES



FEATURES

- **Special for use on stainless steel (INOX),**
- Easy and comfortable cutting,
- Long wheel life,
- Free from iron, sulphur and chlorine,



CUT-OFF DISCS FOR STAINLESS STEEL / INOX

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
100 X 2,5 X 16 mm	4 X 3/32 X 5/8	AS 30 R BF	/	600
100 X 3,0 X 16 mm	4 X 1/8 X 5/8	AS 30 R BF	/	600
115 X 3,0 X 22 mm	4 1/2 X 1/8 X 7/8	AS 30 R BF	/	400
125 X 3,0 X 22 mm	5 X 1/8 X 5/8	AS 30 R BF	/	250
180 X 3,0 X 22 mm	7 X 1/8 X 7/8	AS 30 R BF	/	150
230 X 3,0 X 22 mm	9 X 1/8 X 7/8	AS 30 R BF	/	100



FEATURES

- **Special for use on stainless steel (INOX),**
- Easy and comfortable cutting,
- Long wheel life,
- Free from iron, sulphur and chlorine,



THIN CUT-OFF DISCS FOR STAINLESS STEEL / INOX

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
100 X 1,0 X 16mm	4 X 3/64 X 7/8	AS 46 T BF	/	600
115 X 1,0 X 22mm	4 1/2 X 3/64 X 7/8	AS 46 T BF	/	600
115 X 1,6 X 22 mm	4 1/2 X 1/16 X 7/8	AS 46 T BF	/	600
125 X 1,0 X 22 mm	5 X 3/64 X 5/8	AS 46 T BF	/	500
125 X 1,6 X 22mm	5 X 1/16 X 7/8	AS 46 T BF	/	500
180 X 1,6 X 22 mm	7 X 1/16 X 7/8	AS 46 T BF	/	300
180 X 1,9 X 22 mm	7 X 5/64 X 7/8	AS 46 T BF	/	300
230 X 1,9 X 22 mm	9 X 5/64 X 7/8	AS 46 T BF	/	150

STAINLESS STEEL SERIES



FEATURES

- Suitable for use on stainless steel, surface grinding, rust cleaning,
- Easy and comfortable grinding,
- Long wheel life,
- High burr removal capability,
- Free from iron, sulphur and chlorine



GRINDING DISCS FOR STAINLESS STEEL / INOX

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
100 X 6,0 X 16 mm	4 X 1/4 X 5/8	AS 24 R BF		180
115 X 6,0 X 22 mm	4 1/2 X 1/4 X 7/8	AS 24 R BF		160
125 X 6,0 X 22 mm	5 X 1/4 X 7/8	AS 24 R BF		120
180 X 6,0 X 22 mm	7 X 1/4 X 7/8	AS 24 R BF		60
180 X 8,0 X 22 mm	7 X 5/16 X 7/8	AS 24 R BF		60
230 X 6,0 X 22 mm	9 X 1/4 X 7/8	AS 24 R BF		40
230 X 8,0 X 22 mm	9 X 5/16 X 7/8	AS 24 R BF		30



STONE SERIES









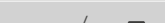

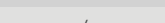



FEATURES

- Suitable for use on stone and masonry,
- Universal applications,
- Clean and precise cutting.
- Premium silicon carbide grain,



CUT-OFF DISCS FOR STONE

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
115 X 3,0 X 22 mm	4 1/2 X 1/8 X 7/8	CS 30 T BF	 / 	400
125 X 3,0 X 22 mm	5 X 1/8 X 7/8	CS 30 T BF	 / 	300
180 X 3,0 X 22 mm	7 X 1/8 X 7/8	CS 30 T BF	 / 	150
230 X 3,0 X 22 mm	9 X 1/8 X 7/8	CS 30 T BF	 / 	100
230 X 3,5 X 22 mm	9 X 1/8 X 7/8	CS 30 T BF	 / 	80



FEATURES

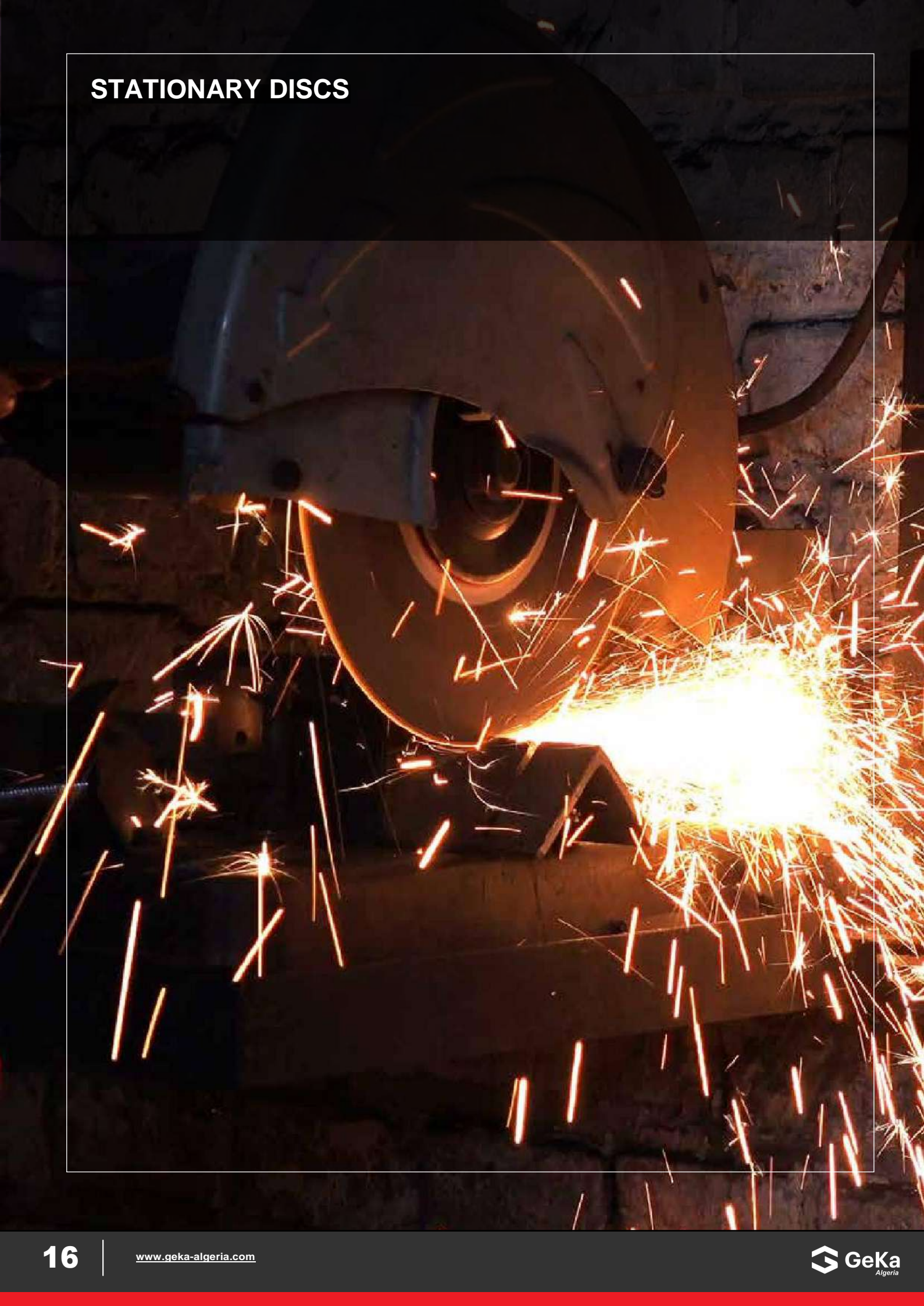
- Suitable for use on stone and masonry,
- Universal applications,
- Aggressive grinding
- Premium silicon carbide grain



GRINDING DISCS FOR STONE

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
100 X 6,0 X 16 mm	4 X 1/4 X 5/8	CS 24 R BF		180
115 X 6,0 X 22 mm	4 1/2 X 1/4 X 7/8	CS 24 R BF		160
125 X 6,0 X 22 mm	5 X 1/4 X 7/8	CS 24 R BF		120
180 X 6,0 X 22 mm	7 X 1/4 X 7/8	CS 24 R BF		60
180 X 8,0 X 22 mm	7 X 5/16 X 7/8	CS 24 R BF		60
230 X 6,0 X 22 mm	9 X 1/4 X 7/8	CS 24 R BF		40
230 X 8,0 X 22 mm	9 X 5/16 X 7/8	CS 24 R BF		30

STATIONARY DISCS





FEATURES

- Suitable for use on steel,
- Burn and burr-free cutting.
- High stability provides straight cuts,
- Used with stationary machines more than 3 kW output.



STATIONARY DISCS FOR METAL

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
300 X 3,5 X 25,4 mm	12 X 1/8 X 1	AS 30 T BF		25
350 X 3,5 X 25,4 mm	14 X 1/8 X 1	AS 30 T BF		20
400 X 4,0 X 40,0 mm	16 X 3/16 X 1	AS 30 T BF		10



FEATURES

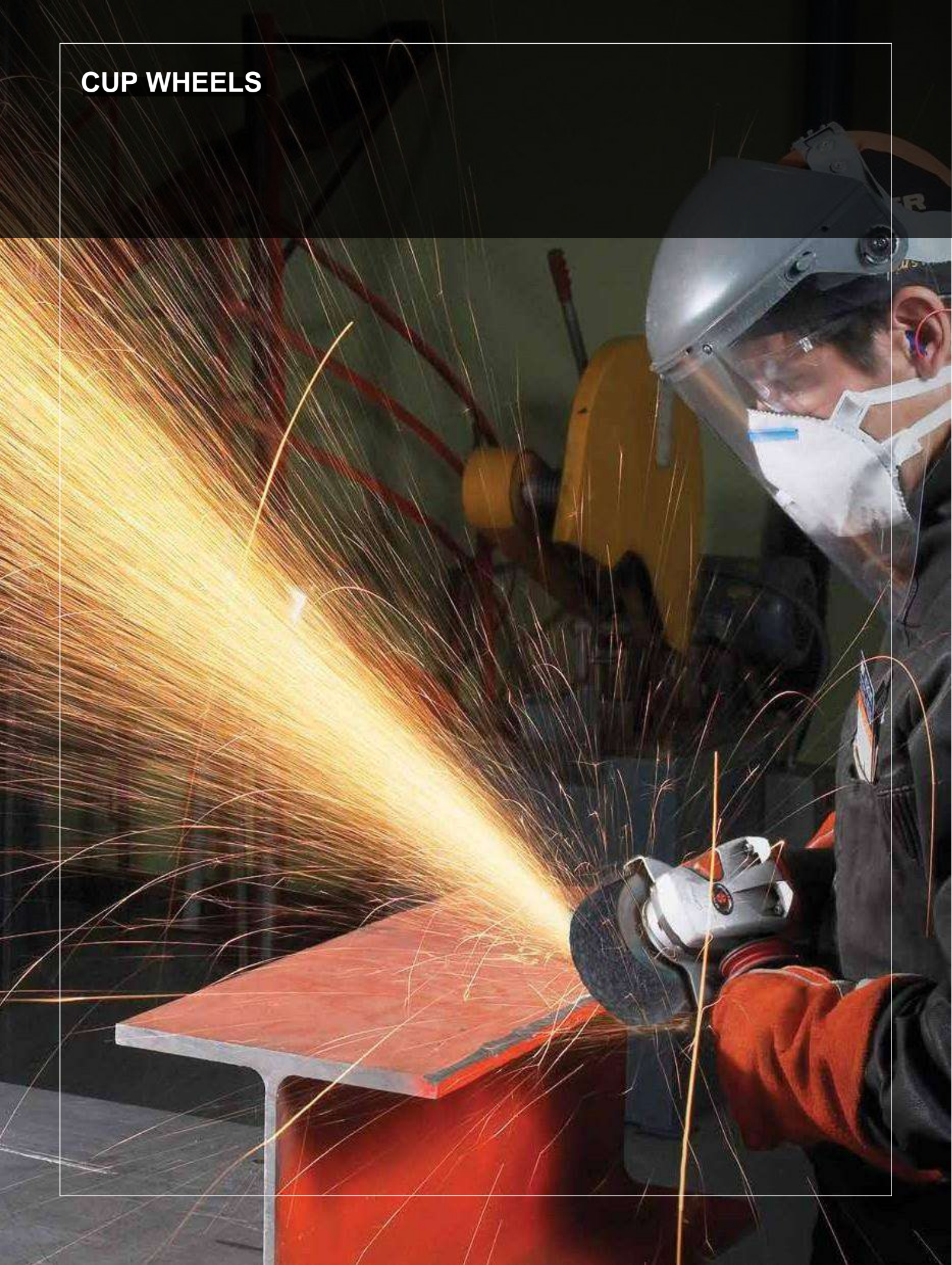
- Suitable for use on stainless steel,
- Burn and burr-free cutting.
- High stability provides straight cuts,
- Used with stationary machines more than 3 kW output.



STATIONARY DISCS FOR STAINLESS STEEL

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
300 X 3,5 X 25,4 mm	12 X 1/8 X 1	AS 30 T BF		25
350 X 3,5 X 25,4 mm	14 X 1/8 X 1	AS 30 T BF		20
400 X 4,0 X 40,0 mm	16 X 3/16 X 1	AS 30 T BF		10

CUP WHEELS





FEATURES

- Suitable for steel,
- Aggressive grinding performance and long life,
- Suitable for high-powered angle grinders,
- 50m/s maximum operating speed,
- High quality aluminium oxide grain.



CUP WHEELS FOR METAL

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
100 X 50 X M14	4 X 2 X 1/3	A 16 Q BF		48
100 X 50 X M14	4 X 2 X 1/3	A 24 Q BF		48
110 X 50 X M14	4 1/2 X 2 X 1/3	A 16 Q BF		48
110 X 50 X M14	4 1/2 X 2 X 1/3	A 24 Q BF		48
125 X 50 X M14	5 X 2 X 1/3	A 16 Q BF		32
125 X 50 X M14	5 X 2 X 1/3	A 24 Q BF		32



FEATURES

- Suitable for use on natural and synthetic stone, masonry, cast iron,
- For surface grinding, chamfering, deburring,
- Suitable for high-powered angle grinders,
- 50m/s maximum operating speed



CUP WHEELS FOR STONE

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
100 X 50 X M14	4 X 2 X 1/3	C 16 Q BF		48
100 X 50 X M14	4 X 2 X 1/3	C 24 Q BF		48
110 X 50 X M14	4 1/2 X 2 X 1/3	C 16 Q BF		48
110 X 50 X M14	4 1/2 X 2 X 1/3	C 24 Q BF		48
125 X 50 X M14	5 X 2 X 1/3	C 16 Q BF		32
125 X 50 X M14	5 X 2 X 1/3	C 24 Q BF		32



FLAP DISCS



- Aluminium Oxide Flap Discs
- Zirconium Flap Discs
- Ceramic Flap Discs

FLAP DISCS



GENERAL INFORMATION ABOUT FLAP DISCS

TYPES			DENSITY	
T-27		Used for grinding flat surfaces. Most efficient when used at 0-15 degrees angle.	Standard	
T-29		Conical shape provides excellent angle for contour and edge grinding. Best at 15-25 degrees angle.	High	



FEATURES
General purpose flapdiscs.
 Aluminium oxide grain coated backing for ferrous metals, alloyed and unalloyed steels, cast iron, composites, plastics, and wood
Grinding and finishing of welds, deburring, rust removal and snagging,
Excellent for surface finishing.



ALUMINIUM OXIDE FLAP DISCS

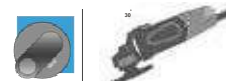
DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
115X22 mm	4 1/2X7/8	40-120		240
125X22 mm	5X7/8	40-120		200
180X22mm	7X7/8	40-120		50

FLAP DISCS



FEATURES

- Flap discs for professional use,
- Zirconia grain coated backing suitable for steel, stainless steel, high-alloys,
- Grinding and finishing of welds, deburring, rust removal and snagging,**
- High removal rate.



ZIRCONIUM FLAP DISCS

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
115 X 22 mm	4 1/2 X 7/8	40-120		240
125 X 22 mm	5 X 7/8	40-120		200
180 X 22mm	7 X 7/8	40-120		50



FEATURES

- Industrial type flapdiscs,**
- Ceramic grain coated backing suitable for grinding stainless steel, titanium and other hard metals
- Grinding and finishing of welds, deburring, rust removal and snagging,**
- Highest removal rate, aggressive grinding performance



CERAMIC FLAP DISCS

DIMENSIONSMM	DIMENSIONSINCH	GRAIN	TYPE	PCS/BOX
115 X 22 mm	4 1/2 X 7/8	40-120		240
125 X 22 mm	5 X 7/8	40-120		200
180 X 22mm	7 X 7/8	40-120		50



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