



MAK Machinery



Resin Bonded Abrasive Wheels

-How a Grinding Wheel is Made: Grains



The four main types of abrasive grains used in resin Bonded wheels are:

Aluminum Oxide



- Tough, blocky, wedge shaped grain.
- Performs well on carbon steel, stainless steel and aluminum.

Silicon Carbide



- Extremely hard and sharp, but fractures more easily than aluminum oxide.
- Performs well on Cast Iron, Nonferrous Metals (Aluminum) and Non-Metallic materials including Concrete, brick, marble and glass.

Zirconia Alumina



- Very tough, sharp, and dense.
- Lends itself to higher temperatures and heavier pressures present in high-stock removal applications

Ceramic





















- Sharp microcrystalline grain-cuts aggressively under light to moderate pressure.
- Its quick cutting capability makes it suitable for grinding stainless steel, titanium, and high-nickel alloys.

Symbols

Safety

	Wear gloves		Wear a mask
	Wear eye protection		Wear protective clothing
	Wear ear protection		Observe the instructions
	Only permitted for wet grinding		Not permitted for side grinding
	Not permitted for wet grinding		Off-hand and hand-guided grinding not permitted
	Do not use damaged wheels		Free from Fe, S, Cl

MACHINES

	Dry core drill		Angle grinder with brush		Pneumatic angle grinder		Stationary cutting machine
	Wet core drill		Angle grinder		Petrol cutting saw		Table saw
	Belt grinder		Joint cutter		Mini belt grinder		Burnishing machine
	Floorstand grinder		Dual action sander		Hand-guided grinding		
	Angle grinder with cup wheel		Portable belt grinder		Straight grinder		

MAK Metal Cutting & Grinding Wheels (A 30 S BF)

ITEM NO.	DISCRIPTION	TYPE
MAK MC115	DC METAL CUT-OFF WHEEL 115X3X22,23	DC
MAK MC180	DC METAL CUT-OFF WHEEL 180X3X22,23	DC
MAK MC230	DC METAL CUT-OFF WHEEL 230X3X22,23	DC



DC - Depressed Centre

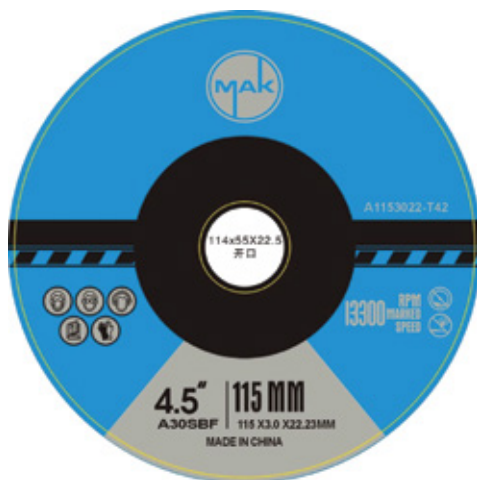
MAK MG115	DC METAL Grinding WHEEL 115X6X22,23	DC
MAK MG180	DC METAL Grinding WHEEL 180X6X22,23	DC
MAK MG230	DC METAL Grinding WHEEL 230X6X22,23	DC



DC - Depressed Centre

MAK Stainless Steel Cutting & Grinding Wheels (A 46 T BF)

ITEM NO.	DISCRIPTION	TYPE
MAK SSC115	DC SS CUT-OFF WHEEL 115X3X22,23	DC
MAK MC180	DC SS CUT-OFF WHEEL 180X3X22,23	DC
MAK MC230	DC SS CUT-OFF WHEEL 230X3X22,23	DC



DC - Depressed Centre

MAK SSG115	DC SSG Grinding WHEEL 115X6X22,23	DC
MAK MG180	DC SSG Grinding WHEEL 180X6X22,23	DC
MAK MG230	DC SSG Grinding WHEEL 230X6X22,23	DC



DC - Depressed Centre

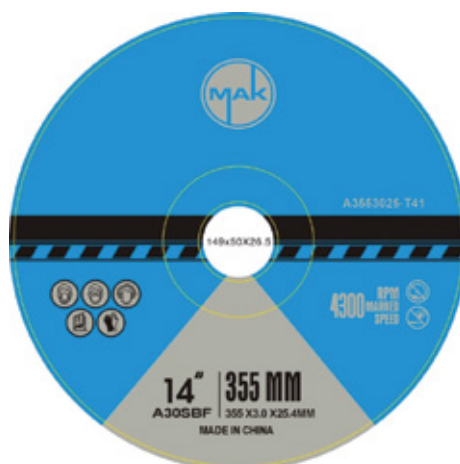
MAK Metal Cutting Wheels (A 30 S BF)

ITEM NO.	DISCRIPTION	TYPE
MAK SSC115	FC Metal CUT-OFF WHEEL 115X1,0X22,23	FC
MAK SSC115	FC Metal CUT-OFF WHEEL 115X1,6X22,23	FC



FC - Flat Centre

MAK MC355	FC Metal CUT-OFF WHEEL 355X3,0X25,4	FC
MAK MC400	FC Metal CUT-OFF WHEEL 400X3,0X25,4	FC



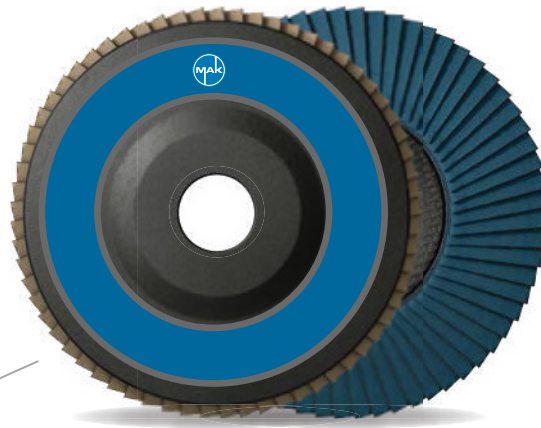
FC - Flat Centre

FLAP DISC

FOR METAL

+ **Great savings potential**
100% use of the disc is guaranteed through simple trimming.

+ **Unparalleled performance**
The newly developed high-tech zircon fabric enables outstanding removal results with the longest lifetime.



+ **Environmentally-friendly**
The innovative natural fibre core is completely free of fibre glass and therefore reduces the environmental load.

The LONGLIFE is a high-performance flap disc for steel and boasts an excellent stock removal rate and the longest lifetime.

A stock removal rate of more than 4,000g opens up a completely new dimension.
A natural fibre core gives the tool

additional flexibility, meaning that the LONGLIFE fits the work piece surface perfectly and creates clean grinding transitions.

MAK Grinding Wheels (A 30 S BF)

ITEM NO.	DISCRIPTION	GRIT
MAK MFG11540	FLAP DISC 115X22.23#40 GRIT FLAT ALUMINA-OXIDE METAL	40
MAK MFG11560	FLAP DISC 115X22.23#60 GRIT FLAT ALUMINA-OXIDE METAL	60
MAK MFG11580	FLAP DISC 115X22.23#80 GRIT FLAT ALUMINA-OXIDE METAL	80
MAK MFG115100	FLAP DISC 115X22.23#100 GRIT FLAT ALUMINA-OXIDE METAL	100
MAK MFG115120	FLAP DISC 115X22.23#120 GRIT FLAT ALUMINA-OXIDE METAL	120



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