

KEMET CUT-OFF WHEELS

Abrasive Cut-off Wheels

Sample preparation cut-off wheels available in various diameters. Wheels are designed to give best possible burr free sectioning. It is recommended that Kemet Universal Fluid for re-circulating cooling systems be used. (Large diameters available on request).



Cut-Off Wheel Selection

Abrasive	Type	Materials	Hardness
Aluminium Oxide	8A80NBK	Low carbon, mild and extra mild steels Treated steels with medium cross sections Case hardened steels	20-30 Rc 100-350 HV
Aluminium Oxide	8A80MBK	Treated steels Stainless steel Refractory steels Alloyed Cast Iron	40-55 Rc 300-600 HV
Aluminium Oxide	8A80KBK	Nickel based super alloys Carburised steels Treated steels with fragile coatings Hardened high carbon steels	40-65 Rc 300-600 HV
Silicon Carbide	BC80NBK	Non Ferrous materials Aluminium & Aluminium alloys Copper & copper alloys White, Grey and Spheroidal Cast Irons	30-350 HV
Silicon Carbide	GC80JBK	Titanium and Titanium alloys	30-350 HV

Kemet Cutting & Coolant Fluid

Size	Code
5 litre	600096

Anti Corrosion Additive (ACA)

Size	Code
1 kg	361470
25 kg	361469

Kemet Dressing Stick

Type	Quantity	Code
DW	Each	600041

Reduction Rings

These allow reduction of bore diameter size of cut off wheel. Available as: 25.4/22mm, 32/25.4mm, 25.4/12.7mm and 32/12.7mm.

General Purpose Cutting Wheels

Type	Diameter	Thickness	Arbor	Code
8A80NBK For steels (Rc 20-30) 100 - 350 HV	250mm	1.8mm	32mm	590001
	300mm	2mm	32mm	590002
	350mm	2.5mm	32mm	590003
8A80MBK For steels (Rc 40-55) 300 - 600 HV	250mm	1.8mm	32mm	590004
	300mm	2mm	32mm	590005
	350mm	2.5mm	32mm	590006
8A80KBK For hard steels (Rc 40-65) 300 - 600 HV	250mm	1.8mm	32mm	590007
	300mm	2mm	32mm	590008
	350mm	2.5mm	32mm	590009
BC80NBK For non ferrous materials 30 - 350 HV	250mm	1.8mm	32mm	590010
	300mm	2mm	32mm	590011
	350mm	2.5mm	32mm	590012
GC80JBK For Titanium & titanium 30 - 350 HV alloys	250mm	1.8mm	32mm	590013
	300mm	2mm	32mm	590014
	350mm	2.5mm	32mm	590015

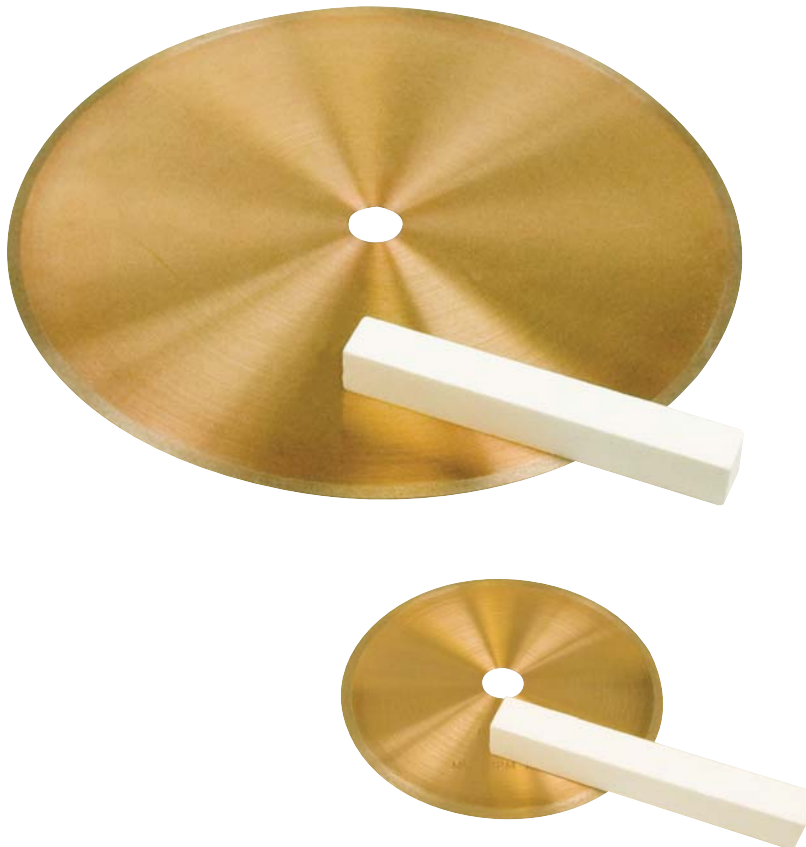
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Diamond Cut-off Wheels

Diamond coated sample preparation cut-off wheels available from 75 - 350mm diameters. Other sizes available upon request. It is recommended that Kemet Cutting & Coolant Fluid be used.

Metallic Diamond Cut-off Wheels

Recommended for routine use on most metals, ceramics and petrographic sample preparation.



Diamond Cut Off Wheels

High concentration Metal Bond for ferrous metals and medium / hard ceramics.

	Code
75mm dia x 0.15mm x 12.7mm	600017
100mm dia x 0.3mm x 12.7mm	600018
125mm dia x 0.4mm x 12.7mm	600019
150mm dia x 0.5mm x 12.7mm	600026
175mm dia x 0.6mm x 12.7mm	600028
200mm dia x 0.8mm x 12.7mm	600029

Diamond Cut Off Wheels

Low concentration Metal Bond for ceramics, glass and geological samples.

	Code
75mm dia x 0.15mm x 12.7mm	600032
100mm dia x 0.3mm x 12.7mm	600033
125mm dia x 0.4mm x 12.7mm	600034
150mm dia x 0.5mm x 12.7mm	600035
175mm dia x 0.6mm x 12.7mm	600036
200mm dia x 0.8mm x 12.7mm	600037

Diamond Cut Off Wheels

Continuous Rim Diamond Cut off Wheels for Petrography.

	Code
100mm dia x 0.4mm x 12.7mm	600038
150mm dia x 1.0mm x 12.7mm	600044
200mm dia x 1.35mm x 12.7mm	600048
250mm dia x 1.35mm x 32mm	600049
300mm dia x 1.6mm x 32mm	600059
350mm dia x 2.4mm x 32mm	600075