

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 and Spectrum Red	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 and Spectrum Orange	Treated steels Stainless steel Refractory steels Alloyed Cast Iron	40-55 Rc 300-600 HV
Aluminium Oxide	8A80KBK and Spectrum Orange	Nickel based super alloys	40-55 Rc 300-600 HV
Aluminium Oxide	8A80KBK and Spectrum Yellow	Carburised steels Treated steels with fragile coatings Hardened high carbon steels	55-65 Rc 600-850 HV
Silicon Carbide	BC80NBK and Spectrum Green	Non Ferrous materials Aluminium and Aluminium alloys Copper and copper alloys White, Grey and Spheroidal Cast Irons	30-350 HV
Silicon Carbide	GC80JBK and Spectrum Black	Titanium and Titanium alloys	30-350 HV

Diamond Cut-off Wheels

Diamond coated sample preparation cut-off wheels available in high or low concentrations in various diameters. It is recommended that Kemet Universal Cutting Fluid be used.

Metallic Diamond Cut-off Wheels

Recommended for routine use on most metals and ceramics.



Diamond/CBN Cut-off Wheel Selection Chart

Abrasive/Bond	Type	Materials
CBN Metallic	B126-B	Hard Iron Metals >HRC 50 Very hard and Tough Steel
Diamond Metallic	D126-B	Hard Metal and Ceramic HRC 64 Material >HRC 64 Sintered Carbides Ceramic and Mineral >HRC 64
Diamond Metallic	D126-M	Hard Metal and Ceramic HRC 64 Material >HRC 64 Sintered Carbides Ceramic and Mineral >HRC 64

Imperial / Metric conversions are approximate

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General Purpose Cutting Wheels

Type	Diameter	Thickness	Arbor	Code
8A80NBK For steels (Rc 20-30)	250mm	1.8mm	32mm	590001
	300mm	2mm	32mm	590002
	350mm	2.5mm	32mm	590003
8A80MBK For steels (Rc 40-50)	250mm	1.8mm	32mm	590004
	300mm	2mm	32mm	590005
	350mm	2.5mm	32mm	590006
8A80KBK For hard steels (Rc 55-65)	250mm	1.8mm	32mm	590007
	300mm	2mm	32mm	590008
	350mm	2.5mm	32mm	590009
BC80NBK For non ferrous materials	250mm	1.8mm	32mm	590010
	300mm	2mm	32mm	590011
	350mm	2.5mm	32mm	590012
GC80JBK For Titanium & titanium alloys	250mm	1.8mm	32mm	590013
	300mm	2mm	32mm	590014
	350mm	2.5mm	32mm	590015

Spectrum Premium Performance Cutting Wheels

Type	Diameter	Thickness	Arbor	Code
 Red (<Rc 30)	250mm	1.5mm	32mm	590016
	300mm	2.0mm	32mm	590017
	350mm	2.5mm	32mm	590018
 Orange (30-55 Rc)	250mm	1.5mm	32mm	590019
	300mm	2.0mm	32mm	590020
	350mm	2.5mm	32mm	590021
 Yellow (>55 Rc)	250mm	1.5mm	32mm	590022
	300mm	2.0mm	32mm	590023
	350mm	2.5mm	32mm	590024
 Green Non ferrous/ Plastics	250mm	1.5mm	32mm	590025
	300mm	2.0mm	32mm	590026
	350mm	2.5mm	32mm	590027
 Black Titanium / Ti Alloys	250mm	1.5mm	32mm	590028
	300mm	2.0mm	32mm	590029
	350mm	2.5mm	32mm	590030

Metallic Diamond / CBN Cut-off Wheels

Type	Diameter	Thickness	Arbor	Code
B126-B	250mm	1.0mm	32mm	590031
	125mm	0.5mm	12.7mm	590032
D126-B	125mm	0.5mm	12.7mm	590033
	150mm	0.8mm	12.7mm	590034
	175mm	0.8mm	12.7mm	590035
	250mm	1.1mm	32mm	590037
	300mm	1.8mm	32mm	590038
	350mm	1.8mm	32mm	590039
D126-M	100mm	0.4mm	12.7mm	590040
	150mm	0.5mm	12.7mm	590042
	175mm	0.5mm	12.7mm	590043
	200mm	1.0mm	32mm	590044

Universal Cutting Fluid

Size	Code
1 litre	600046

Kemet Dressing Stick

Type	Quantity	Code
DW	Each	600041

Imperial / Metric conversions are approximate