

Resinoid cut-off wheels

Resinoid cut-off wheels are designed to cut most of the materials.

The quality of abrasive and the hardness of the resin are essential to get the perfect cut.

PRESI has specially developed a complete range of high quality cut-off wheels to be used on all cut-off machines.



Classification of resinoid cut-off wheels

Type	Abrasive	Material	Material hardness
A	Al ₂ O ₃	Low carbon, mild and extra mild and treated steels with medium cross-sections.	100 - 350 HV
AO	Al ₂ O ₃	Treated steels, stainless steel, refractory steels, alloyed cast iron.	300 - 500 HV
F	SiC	White, grey and spheroidal graphite cast iron, Titanium and alloys.	30 - 350 HV
MNF	SiC	Aluminium, copper and alloys, non-ferrous metals, Titanium and alloys.	30 - 350 HV
S	Al ₂ O ₃	Treated steels with fragile coatings, difficult materials.	> 500 HV
T	SiC	Titanium, titanium alloys, non ferrous metals.	30 - 350 HV
AOF II	Al ₂ O ₃	Thin cuts, sintered steels with small cross-sections, hard metal sandwich materials.	80 - 300 HV
C	SiC	Aluminium, copper and alloys, non-ferrous metals, titanium and alloys.	30 - 350 HV

■ Standard resinoid cut-off wheels

Resinoid cut-off-wheels	A	AO	F	MNF	S	T
Diameter 200 Thickness 1,6 mm id. 25,4 mm		Ref. 01002*		Ref. 01005*		
Diameter 230 Thickness 1,6 mm id. 22 mm	Ref. 01009	Ref. 01008		Ref. 01011		
Diameter 250 Thickness 1,6 mm id. 32 mm	Ref. 01015*	Ref. 01014*	Ref. 01018*	Ref. 01017*	Ref. 01016*	Ref. 01071*
Diameter 300 Thickness 2 mm id. 32 mm	Ref. 01021*	Ref. 01020*	Ref. 01024*	Ref. 01023*	Ref. 01022*	Ref. 01072*
Diameter 350 Thickness 2,5 mm id. 32 mm	Ref. 01033*	Ref. 01030*		Ref. 01031*	Ref. 01032*	Ref. 01073*
Diameter 400 Thickness 3 mm id. 32 mm	Ref. 01029*	Ref. 01027*		Ref. 01028*	Ref. 01034*	

10 per box.

*Reduction rings 25,4 mm -> 22 mm & 32 mm -> 25,4 mm come with every box of cut-off wheels.



*Reduction rings

2 types of reduction rings allow to combine cut-off wheels ID with the cut-off machine.

Ref. 01091	Pck of 20 reduction rings 25,4/22 mm
Ref. 01092	Pck of 20 reduction rings 32/25,4 mm
Ref. 51324	Pck of 5 reduction rings 12,7/25,4 mm

■ Ultra-thin cut-off wheels

Ultra-thin cut-off wheels	A	AO	AOF II	C	S
Diameter 100 Thickness 0,3 mm id. 12,7 mm	Ref. 01040			Ref. 01041	
Diameter 125 Thickness 0,5 mm id. 12,7 mm		Ref. 01046			
Diameter 150 Thickness 0,5 mm id. 12,7 mm		Ref. 01043			
Diameter 180 Thickness 0,5 mm id. 25,4 mm					Ref. 01060
Diameter 200 Thickness 0,8 mm id. 25,4 mm			Ref. 01001*		
Diameter 250 Thickness 0,8 mm id. 32 mm more aggressive cut (AOF 2 S)			Ref. 01012*		
Diameter 250 Thickness 0,8 mm id. 32 mm			Ref. 01013*		
Diameter 300 Thickness 1 mm id. 32 mm			Ref. 01019*		

10 per box.

*Reduction rings 25,4 mm -> 22 mm & 32 mm -> 25,4 mm come with every box of cut-off wheels.



Antirust

With these cut-off wheels, we recommend the use of our anti-rust agent to avoid corrosion or oxidation of machines and specimens. The anti-rust agent is available in 1,5 or 10 L containers and must be diluted to 4 % in water.

Ref. 01025 1 L anti-rust agent in plastic bottle

Ref. 01026 10 L container anti-rust agent

Ref. 01090 5 L container anti-rust agent

See also antiseptic liquid (page 20.)



Other cut-off wheels

Diamond cut-off wheels

LM

Bond: metallic
Materials: stellites, sintered steels, sintered carbides, composites
Material hardness: > 800 HV

LR

Bond: resin
Materials: composites, ceramics, sintered carbides, minerals.
Material hardness: > 800 HV

CR

Bond: metallic
Materials: ceramics, refractory materials, minerals.
Material hardness: > 800 HV



Cutting fluid

To improve the quality of the cut and to clean the diamond wheel on micro cut-off machines, we recommend using our cutting fluid. Available in 1 L containers, the cutting fluid should be diluted 1:3 water prior to use

Ref. 02021
 1 L cutting fluid
 £ 18

Diamond cut-off wheels	LM	LR	CR
Diameter 75 Thickness 0,2 mm id. 12,7 mm	Ref. 02030		
Diameter 100 Thickness 0,3 mm id. 12,7 mm	Ref. 02031		
Diameter 100 Thickness 0,9 mm id. 12,7 mm		Ref. 02033	
Diameter 125 Thickness 0,4 mm id. 12,7 mm	Ref. 02034		
Diameter 150 Thickness 0,6 mm id. 12,7 mm	Ref. 02036		
Diameter 175 Thickness 0,9 mm id. 12,7 mm	Ref. 02055		
Diameter 200 Thickness 1,3 mm id. 25,4 mm	Ref. 02038		
Diameter 200 Thickness 1,3 mm id. 25,4 mm			Ref. 02040
Diameter 200 Thickness 1,2 mm id. 25,4 mm		Ref. 02041	
Diameter 250 Thickness 1,4 mm id. 32 mm	Ref. 02042		
Diameter 250 Thickness 1,4 mm id. 32 mm			Ref. 02044
Diameter 250 Thickness 1,7 mm id. 32 mm		Ref. 02045	
Diameter 300 Thickness 1,9 mm id. 32 mm	Ref. 02046		
Diameter 300 Thickness 2,2 mm id. 32 mm			Ref. 02048
Diameter 300 Thickness 1,3 mm id. 32 mm		Ref. 02049	

Boron nitride cut-off wheels

NB

Bond: metallic with boron nitride
Material: very hard steels
Material hardness: > 600 HV

Boron nitride cut-off wheels	NB
Diameter 200 Thickness 1,3 mm id. 25,4 mm	Ref. 02039
Diameter 250 Thickness 1,4 mm id. 32 mm	Ref. 02043
Diameter 300 Thickness 0,9 mm id. 32 mm	Ref. 02047



Antiseptic liquid

Avoids spreading of bacteria in the cutting machine. Prevents from unpleasant smell and extends life time of cut-off machines. The antiseptic liquid should be diluted to 0,2 % in water.

Ref. 01093 0.5 L container