



Cut Off Wheels

Cutting is the first step in a complete material analysis, the selection of cutting machine and blades must match geometry and material properties of sample. TROJAN cutting products make the cutting process simple, fast and accurate.

TROJAN cutting blades and consumables have a unique formula and process, it can be fully cooled and reduce thermal damage. TROJAN Cut off wheel adopts unique manufacturing technology. It can be fully cooling up and reduce thermal damage of the samples. Furthermore, the surface of the product can also eliminate the accumulation of debris during the cutting process and the convenient cleaning method can keep the worktable and the cutting chamber also clean.



A60 (Extremely Hard) **A50** (Medium Hard) **A30** (Soft) **S20** (Soft Non-Ferrous) **S10** (Ductile Metal)

A60 Cut Off Wheels (Extremely Hard)

Description: Aluminum Oxide Material, Resin Bond.

Application: For cutting extremely hard ferrous metals (HRC > 55).

Order No:	Code	Spec.(mm)	Package
01.01.111	A601505	150*12.7*0.5	10pcs
01.01.114-1	A601808	180*12.7*0.8	10pcs
01.01.118	A602008	200*22.0*0.8	10pcs
01.01.150	A602515	250*32.0*1.5	10pcs
01.01.160	A603020	300*32.0*2.0	10pcs
01.01.170	A603525	350*32.0*2.5	10pcs
01.01.180	A604030	400*32.0*3.0	10pcs
01.01.185	A604530	450*32.0*3.2	10pcs
01.01.190	A605040	508*50.8*4.0	10pcs

A50 Cut Off Wheels (Medium Hard)

Description: Aluminum Oxide Material, Resin Bond.

Application: For cutting medium hard ferrous metals (HRC 40-55).

Order No:	Code	Spec.(mm)	Package
01.01.213-1	A501505	150*12.7*0.5	10pcs
01.01.214	A501808	180*12.7*0.8	10pcs
01.01.224	A502008	200*22.0*0.8	10pcs
01.01.250	A502515	250*32.0*1.5	10pcs
01.01.260	A503020	300*32.0*2.0	10pcs
01.01.270	A503525	350*32.0*2.5	10pcs
01.01.280	A504030	400*32.0*3.0	10pcs
01.01.285	A504530	450*32.0*3.2	10pcs
01.01.290	A505040	508*50.8*4.0	10pcs

A30 Cut Off Wheels (Soft)

Description: Aluminum Oxide Material, Resin Bond.

Application: For cutting soft ferrous metals (HRC 20-40).

Order No:	Code	Spec.(mm)	Package
01.01.313	A301505	150*12.7*0.5	10pcs
01.01.314	A301808	180*12.7*0.8	10pcs
01.01.315	A302008	200*22.0*0.8	10pcs
01.01.350	A302515	250*32.0*1.5	10pcs
01.01.360	A303020	300*32.0*2.0	10pcs
01.01.370	A303525	350*32.0*2.5	10pcs
01.01.380	A304030	400*32.0*3.0	10pcs
01.01.385	A304530	450*32.0*3.2	10pcs
01.01.390	A305040	508*50.8*4.0	10pcs

S20 Cut Off Wheels (Soft Non-Ferrous)

Description: Silicon Carbide Material, Resin Bond.

Application: For cutting soft Non-Ferrous, Al, Cu Alloys.

Order No:	Code	Spec.(mm)	Package
01.02.413	S201505	150*25.4*0.5	10pcs
01.02.422	S202008	200*22.0*0.8	10pcs
01.02.450	S202515	250*32.0*1.5	10pcs
01.02.460	S203020	300*32.0*2.0	10pcs
01.02.470	S203525	350*32.0*2.5	10pcs
01.02.480	S204030	400*32.0*3.0	10pcs
01.02.485	S204530	450*32.0*3.2	10pcs
01.02.490	S205040	508*50.8*4.0	10pcs

S10 Cut Off Wheels (Ductile Metal)

Description: Silicon Carbide Material, Resin Bond.

Application: For cutting ductile titanium and titanium alloys, refractory metals.

Order No:	Code	Spec.(mm)	Package
01.02.500	S101505	150*25.4*0.5	10pcs
01.02.580	S102008	200*22.0*0.8	10pcs
01.02.570	S102515	250*32.0*1.5	10pcs
01.02.560	S103020	300*32.0*2.0	10pcs
01.02.510	S103525	350*32.0*2.5	10pcs
01.02.520	S104030	400*32.0*3.0	10pcs



Diamond/CBN Wafering Blades

Wafering blades have very thin cut width, are recommended for precision cutting/sectioning or when cut width loss needs to be minimized. There are plating, resin and metal bond 3 types configurations with Diamond or CBN.



DP Series
(Diamond Plating)



DR Series
(Diamond Resin)



DM Series
(Diamond Metal)



CBN-M Series

DP Diamond Plating Wafering Blade

Material: A metal core with diamonds nickel plated to the rim.

Application: For cutting PCB, plastic, fiber composites resin or soft non-ferrous metals.

Order No:	Code	Spec.(mm)	Package
01.03.520	DP101304	100*12.7*0.4	1pc
01.03.525	DP131304	125*12.7*0.4	1pc
01.03.530	DP151305	150*12.7*0.5	1pc
01.03.541	DP181308	180*12.7*0.8	1pc
01.03.551	DP202210	200*22.0*1.0	1pc
01.03.560	DP253215	250*32.0*1.5	1pc
01.03.570	DP303220	300*32.0*2.0	1pc

DR Diamond Resin Bond Wafering Blade

Application: For cutting hard, brittle or delicate materials including ceramics, composites, carbides and exotic metals.

Order No:	Code	Spec.(mm)	Package
01.04.620	DR101304	100*12.7*0.4	1pc
01.04.625	DR131304	125*12.7*0.4	1pc
01.04.630	DR151305	150*12.7*0.5	1pc
01.04.640	DR181608	180*16.0*0.8	1pc
01.04.656	DR201310	200*22.0*1.0	1pc
01.04.660	DR253215	250*32.0*1.5	1pc
01.04.670	DR303220	300*32.0*2.0	1pc

DM Diamond Metal Bond Wafering Blade

Application: For very hard or brittle materials, glass ceramics, stone.

Order No:	Code	Spec.(mm)	Package
01.05.720	DM101304	100*12.7*0.4	1pc
01.05.725	DM131304	125*12.7*0.4	1pc
01.05.730	DM151305	150*12.7*0.5	1pc
01.05.741	DM181308	180*12.7*0.8	1pc
01.05.748	DM202210	200*22.0*1.0	1pc
01.05.760	DM253215	250*32.0*1.5	1pc
01.05.770	DM303220	300*32.0*2.0	1pc

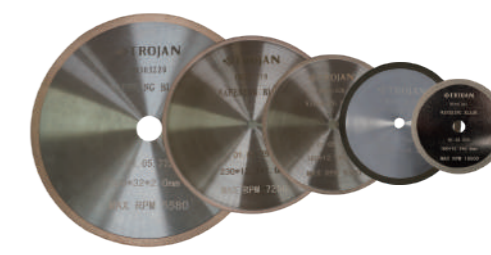
CBN-M CBN Metal Bond Wafering Blades

Application: Used for hard steel, iron, cobalt nickel and lead based alloys, most commonly used at lower speeds.

Order No:	Code	Spec.(mm)	Package
01.10.920	CBN-M101304	100*12.7*0.4	1pc
01.10.925	CBN-M131304	125*12.7*0.4	1pc
01.10.930	CBN-M151305	150*12.7*0.5	1pc
01.10.935	CBN-M181308	180*12.7*0.8	1pc
01.10.950	CBN-M202210	200*22.0*1.0	1pc
01.10.960	CBN-M253215	250*32.0*1.5	1pc
01.10.970	CBN-M303220	300*32.0*2.0	1pc



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Diamond Wafering Blades



Cutting Coolant

In order to get better cutting effect and reduce burns of samples, metallographic cutting coolant is usually added in the cutting process of metallographic test. The product solution is clear and transparent, without any minerals and nitrite, and has the dual effect of cooling and lubrication.

TJ 1220 Cutting Coolant

How to use: Mix with 20-30 times water when using;

Application: Protect the sample overheating, good rust prevention,



Order No:	Description	Package
01.07.810	TJ 1220 Cutting Coolant	1L
01.07.820	TJ 1220 Cutting Coolant	5L

TJ 1410 Cutting Coolant

How to use: Mix with 20-30 times water when using;

Application: Protect the sample overheating, good lubrication.



Order No:	Description	Package
01.07.857	TJ 1410 Cutting Coolant	1L
01.07.860	TJ 1410 Cutting Coolant	5L

TJ 1506 Cutting Fluids Preservatives

How to use: Dissolved in water, alcohol and propylene glycol in any proportion, and it can work alone or in combination with other active components, recommended dosage: 0.1%-0.3%;

Application: For anticorrosion and sterilization of metallographic cutting fluid, prevents mildew and odor of cutting fluid, and prolongs the service life of cutting fluid.



Order No:	Description	Package
01.07.890	TJ 1506 Cutting Fluids Preservatives	1L
01.07.900	TJ 1506 Cutting Fluids Preservatives	5L



MOUNTING

Hot Mounting

Hot mounting is ideal solution to get high quality, uniform size sample, as well as short process time. It is to use mounting compounds with certain pressure, temperature to make a sample.

Cold Mounting

TROJAN cold mounting resin system avoids sample from high temperature and pressure, making sample preparation results stable and reliable, efficient.

