



## HD Hybrid Diamond Scribing Wheel Application Case

- Applied to cutting of OGS, STN, TP, Panel, and ITO conductive glass;
- Applied to cutting of decorative mirrors (bathroom mirrors), makeup mirrors, architectural glass, automobile glass, rearview mirrors;
- Applied to cutting of transparent glass of watches, microscopes, eyeglasses, and etc.



Glass Thickness	Coated/Filmed	Specification Recommended
0.7mm	Yes	4.2*1.4*1.1*65°*120°
	No	4.2*1.4*1.1*120°
1.1mm	Yes	4.2*1.4*1.1*65°*125°
	No	4.2*1.4*1.1*125°
2.0mm	Yes	4.2*1.4*1.1*65°*140°
	No	4.2*1.4*1.1*140°
2mm-4mm	Yes	4.2*1.4*1.1*65°*145°
	No	4.2*1.4*1.1*145°
4-6mm	Yes	5.6*1.4*1.1*65°*150°
	No	5.6*1.4*1.1*150°
6-8mm	Yes	5.6*1.4*1.1*65°*158°
	No	5.6*1.4*1.1*158°

Remark: Specification suggested for reference only!



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BEIJING WORLDIA DIAMOND TOOLS CO.,LTD.

## Diamond Axle



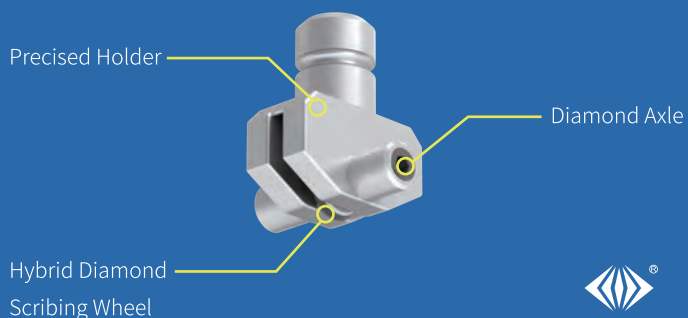
Diamond Axle is made of PCD polycrystalline diamond, with the characteristics of high hardness and wear resistance, suitable for the use of diamond scribing wheel and hybrid scribing wheel.

## Precised Holders



The holder is made of zinc-aluminum alloy. Compared with the traditional plastic holder, the zinc-aluminum alloy holder has the characteristics of high hardness, wear resistance, good cutting stability and stable cutting quality. It is suggested to use it with diamond axle.

## HYBRID DIAMOND SCRIBING WHEEL



## HD Hybrid Diamond Scrining Wheel Selection Table

Type	HDY-1/HDY-2/HDY-3 (Edge Sharpness Rate: 1-Fine 2-Medium 3-Rough)			
Specification	OD*ID*Thickness*Angle			
OD(mm)	4.0	4.2	5.0	5.6
ID(mm)	1.4	1.4	1.4	1.4
Thickness(mm)	1.1	1.1	1.1	1.1
Angle(°)	125°-160°			

## Diamond Axle Application Case

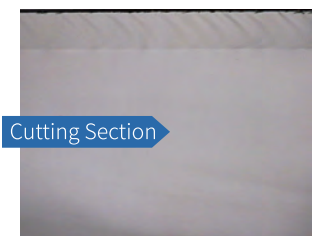
Type	HDZ	
Specification	Diameter*Length	
Diameter(mm)	1.3	1.4
Length(mm)	4.0	4.2

## Precised Holders Selection Table

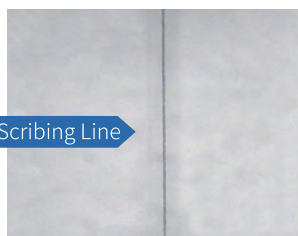
Holder Series	Type
HDXL Series	HDXL-1

We manufacture more than 400 kinds of holders and standard holder base and also support non-standard customized products!

## HD Hybrid Diamond Scrining Wheel



Cutting Section



Scrining Line

## Featurea

- The hardness of hybrid diamond scribing wheel is as high as 9000-10000HV, and the cutting edge is relatively sharp. It has the characteristics of good cutting line continuity, vertical section and strong penetration.
- The hybrid diamond scribing wheel can keep the glass cutting section with high flatness, which effectively reduces the grinding cost.
- The cutting edge is processed by a special technology, which helps to avoid the accidents of slipping during the high-speed rotation and result in the lower frequency of quality abnormality in the cutting process.
- Compared with diamond toothed scribing wheels, hybrid scribing wheel is relatively low in cost. Because of the excellent wear resistance, the service life is much higher than that of ordinary carbide cutting wheels. Therefore, it owns higher quality and lower cost performance, and can be positioned in the market to the intermediate product between carbide scribing wheel and diamond toothed.