

SINGLE POINT DIAMOND DRESSER



The Single Point Diamond Dresser is more versatile dressing tool, which is used for turning and dressing of grinding wheel. They are made of carefully selected raw diamonds mounted in holders by means of special bonds . The dressing tool takes care of two main functions, it removes abrasive grains which have become completely worn out, and it recreates the correct geometric shape of the grinding wheel.

We offers 3 grades to refinish the wheel, when the wheel become dull. The pores between the grains become loaded with the material ground.

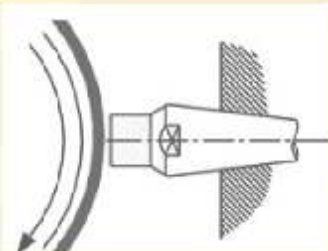
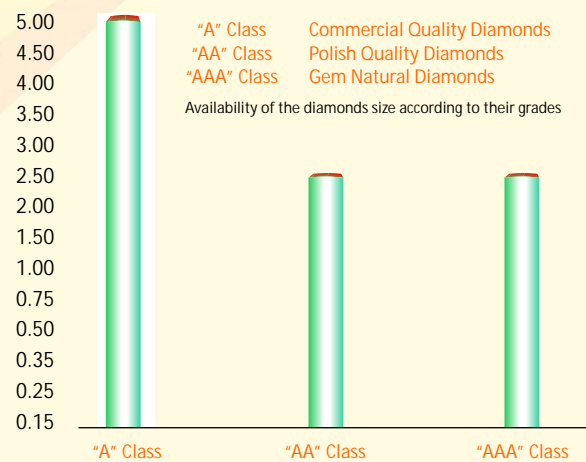
Selection of the Diamonds

The selection of the diamonds depends upon the dimension of grinding wheel, its hardness grit size, abrasive type, and individual dressing operation.

We recommend the following thumb rule for selecting the size of diamond

$$(\text{Radius of wheel} + \text{width}) \times 0.004 = \text{Carat size of diamond}$$

(1Carat = 0.2gm)



GRINDING WHEEL GRIT SIZE	FEED RATE IN mm/rev
30-46	0.60 -0.30
50 120	0.30 0.10
180 320	0.10 0.02

Grinding Wheel Dimension in mm			Recommended Diamond Size	Grinding Wheel Dimension in mm			Recommended Diamond Size
Diameter	Width	Carat Size	Carat Size	Diameter	Width	Carat Size	Carat Size
100	12	0.25	0.25	450	50	1.75	1.75
150	12	0.30	0.30	600	50	2.00	2.00
175	12	0.50	0.50	600	75	2.50	2.50
250	40	0.75	0.75	600	150	3.00	3.00
350	25	1.00	1.00	750	75	3.00	3.00
350	30	1.25	1.25	750	100	3.50	3.50
350	50	1.50	1.50	900	75	4.00	4.00

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