

Details: Diamond grit impregnated dressers have been developed from multi-point dressers. In contrast to the latter they are manufactured from crushed diamond grit rather than a larger number of small natural diamonds. The advantages of the diamond impregnated dresser lie in its exceptional sharpness, which results from sharp edges and points of the broken diamond grit.

Diamond grit impregnated dressers are ideally suited to the following applications, dressing resin, vitreous and rubber bond, fine grit and even so called "grit free" grinding wheels, as well as boron carbide grinding wheels, dressing single profile threaded and V-profile grinding wheels, for general dressing operations on centreless, cylindrical and surface grinding machines.

Diamond grit impregnated dressers are more economical because of their low initial cost and their resistance to shock and impact which prevents shattering.

Dressing times are reduced as higher feed rates can be used. There is an unlimited number of sharp pull-out-free cutting edges contained in the crushed diamond grit.

Diamond grit impregnated dressers demand greater care in selecting the correct dresser for a given application. The bond and diamond grit size used are both variable according to the type of grinding wheels to be dressed. The size of the diamond grit particles should be matched to the grit size of the grinding wheel.

Instructions **for** **Use**
 Normal dressing speeds are used. A plentiful supply of coolant should be provided both before and during dressing to prolong dresser life. The diamond grit impregnated cutting face of the dresser should be set at an angle of 90° to the grinding wheel to be dressed, so that all the cutting edges of the diamonds grit are able to make contact with the wheel face.

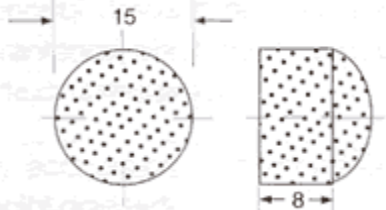
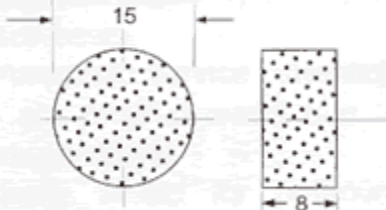
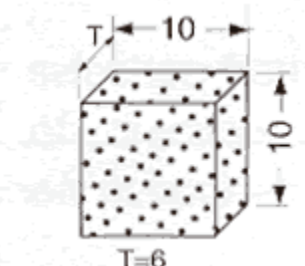
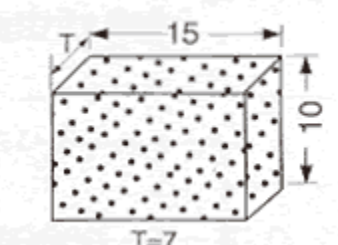
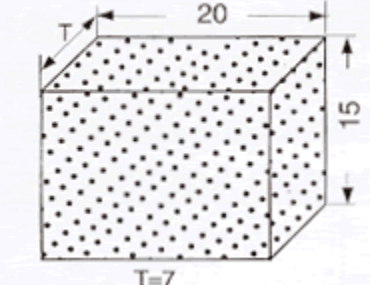
The feed rates used may be double of those used with single-point diamond dressers.

The depth of cut should be as follows:
 finishing - approx 0.01 mm
 rough grinding - approx 0.02 mm

Note: While ordering please specify 'D' & 'L' dimensions & bond

Catalogue No.	Diamond Section	Diamond Size in Micron	Bond
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DG-4		500	H
DG-5		500	H
DG-6		630	H W
DG-8		850	H W
DG-10		1000	H W
DG-10-P		1000	H W
DG-12		1250	H W
DG-12-P		1250	H W

<p>DG-15</p>		<p>1450</p>	<p>H W</p>
<p>DG-15-P</p>		<p>1450</p>	<p>H W</p>
<p>DG-BL-1 10X10X6</p>		<p>850</p>	<p>H W</p>
<p>DG-BL-2 15X10X7</p>		<p>1000</p>	<p>H W</p>
<p>DG-BL-3 20X15X7</p>		<p>1250</p>	<p>H W</p>