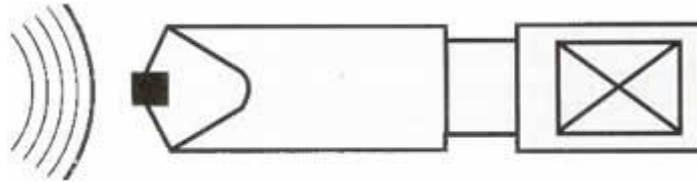


SHAPING TOOLS:



Details: Profiling and copy dressing of grinding wheels makes high demands on profile retention capability and thus on wear resistance of the diamond tool. Wherever diamond blade type tools can not meet these requirements due to the specific grinding wheel geometry. Precision ground shaping tools are the solution. Shaping tools feature the unique "structure-cut" to ensure optimum tool life, they are manufactured only from the highest grade of natural diamonds and undergo stringent quality control during manufacturing.

Important Points to consider:

- Choose a diamond with the largest included angle and toughest geometric shape allowed by the profile requirements
- Use a drag angle, where possible to maximize cutting edge life.
- Make sure that the tool is rigidly mounted.
- Follow machine manufacturer's instructions and recommendations.

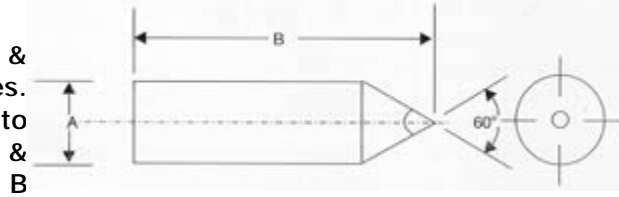
Type	CAT No.	Radius in Inches	Dimensions
Diaform	SF 4125 SF 4250 SF 4500	0.125 0.250 0.500	
Diaform	SF 4125 SF 4250 SF 4500	0.125 0.250 0.500	

<p>Diaform</p>	<p>SF 6125 SF 6250 SF 6500</p>	<p>0.125 0.250 0.500</p>	
<p>Diaform</p>	<p>SF 6125 SF 6250 SF 6500</p>	<p>0.125 0.250 0.500</p>	
<p>60° Chisel</p>	<p>SF 6632 SF 6633 SF 6672 SF 6673</p>	<p>SHANK SIZE 3/8" x 2.1/2" 3/8" x 3" 7/16" x 2.1/2" 7/16" x 3"</p>	

<p>Copying</p>	<p>Fortuna</p>		<p>Technical drawing of the Fortuna diamond tool bit. It includes a side view and a top view. Dimensions are: Ø10 (outer diameter), Ø12.239 (inner diameter), Ø12.065 (inner diameter), 5 (length of the diamond tip), 8 (length of the diamond tip), 18 (length of the tool body), 14 (length of the tool body), 5 (length of the diamond tip), 1.5 (length of the diamond tip), 24 (length of the tool body), 42 (total length), M6 (thread), and MT#1 (material).</p>
<p>Copying</p>	<p>Schaudt</p>		<p>Technical drawing of the Schaudt diamond tool bit. It includes a side view and a top view. Dimensions are: Ø5 (outer diameter), Ø14 (outer diameter), 18 (length of the tool body), 15 (length of the tool body), 4 (length of the diamond tip), 44 (total length), 30 (length of the tool body), 12.0650 (inner diameter), 10.7120 (inner diameter), 0.5x45 (thread), 3 (length of the diamond tip), M6 (thread), and MT#1 (material).</p>

60° Lapped Dressing Tool

Diamonds are ground & lapped to precise angles.
Tolerance: Center set to T.I.R. \pm .002. Specify \varnothing A & B



Note: Grinding wheels with grain size coarser than 60 mesh produce especially heavy wear on shaping tools.

STAR DIAMOND TOOLS

12, Ujagar Industrial Estate, W. T. Patil Marg, Deonar,
Mumbai - 400 088. INDIA.

Tel.: +91-22-2556 7501/ 6797 8172

Fax: + 91-22-2550 2277/ 6797 8171

Email: stardia@gmail.com Website: www.stardia.com

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