



90 DEGREE CUTTERS

Kennametal offers a number of 90 degree cutters for shoulder milling, face milling and slotting.

7690VA cutters are available in a wide range of depth-of-cut variations. Inserts are available in 9mm, 12mm and 16mm sizes. An extensive range of geometries and grades are available for all applications.

Applications:

The 7690VA series are ideal for roughing, semi-finishing and finishing of Steel, Alloyed Steel, Stainless Steel, Cast Iron, High Temperature Alloys and Aluminium Alloys.

The **7690VAP** series are ideal for roughing, semi-finishing and finishing of Stainless Steel, High Temperature Alloys plus Low Carbon Steels. This cutter is designed to utilise one geometry of insert only - APET1604...ER-48

Note: When an approx. 90° shoulder is required then the following geometries need to be used.

- 7690VA09: Geometry -42
- 7690VA12: Geometry -46
- 7690VA16: Geometry -42, -46 and the flat insert APFW...
- 7690VAP16: Geometry -48

See the 90° deviations charts on pages A59 - A62.

7690VA

7690VA09:

Maximum $a_p = 8,00\text{mm}$
Diameter Range = 10mm to 63mm

7690VA12:

Maximum $a_p = 11,00\text{mm}$
Diameter Range = 20mm to 80mm

7690VA16:

Maximum $a_p = 16,00\text{mm}$
Diameter Range = 25mm to 125mm

Note: Larger diameter Shell Mill Fixation cutters with interchangeable cartridges are available. Please see page A112

7690VAP16:

Maximum $a_p = 15,80\text{mm}$
Diameter Range = 40mm to 100mm

