

TQJ27

ZANHO Cutting Tools



TQJ27
Grooving Inserts

Feature

ZANHO **TQJ27 series**: 4-edged star-shaped indexable inserts for high-utilization parting and grooving. Neutral design for R/L compatibility. Features **J-type chipbreaker** for small-diameter

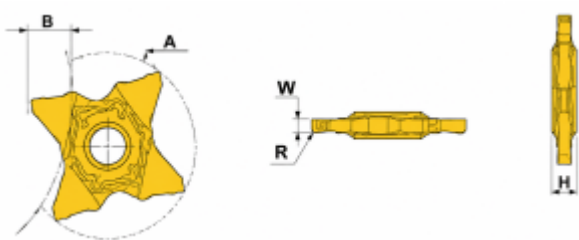
thin-walled parts. Precision honed edges ensure stability in grooving and longitudinal turning. Includes **Dmax compatibility** data for optimized CNC setup.

Descriptions

Core Advantages

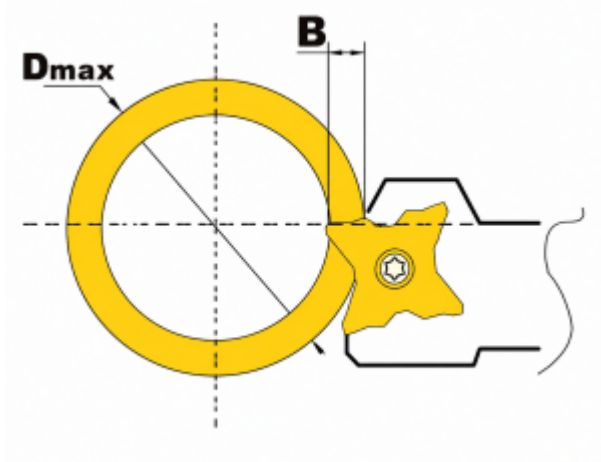
- **4-Edge Economy:** Star-shape design provides 4 effective edges per insert.
- **Small Dia Expert:** J-type rake face optimizes chip curling for thin-walled workpieces.
- **Neutral Design:** Symmetrical geometry fits both Right and Left-hand tool holders.
- **High Precision:** Honed edges deliver stable performance in shallow/deep grooving.

Dimensions (mm)



Designation	W (Width)	B	A	h	R (Radius)
TQJ27-100-010	1.00	3.5	27	4	0.10
TQJ27-150-020	1.50	5.7			0.20
TQJ27-200-020	2.00	6.4			0.20
TQJ27-250-030	2.50				0.30
TQJ27-300-020	3.00				0.20
TQJ27-300-040	3.00				0.40
TQJ27-350-020	3.50				0.20
TQJ27-400-020	4.00				0.20

Max Workpiece Diameter Dmax (mm)



Designation	B ? 3.0	B ? 3.5	B ? 4.0	B ? 4.5	B ? 5.0	B ? 5.5	B ? 5.7	B ? 6.0	B ? 6.3
TQJ27-100-010	Unlimited	600	-	-	-	-	-	-	-
TQJ27-150-020	Unlimited	600	280	180	130	105	50	-	-
TQJ27-200- 400	Unlimited						95	85	75
		600	280	180	130	105			