PENTA24-PF

ZANHO Cutting Tools



Feature

ZANHO **PENTA24-PF series**: High-efficiency **5-edged pentagonal** inserts for precision external parting and grooving. Features a **large positive rake angle** to minimize cutting resistance and

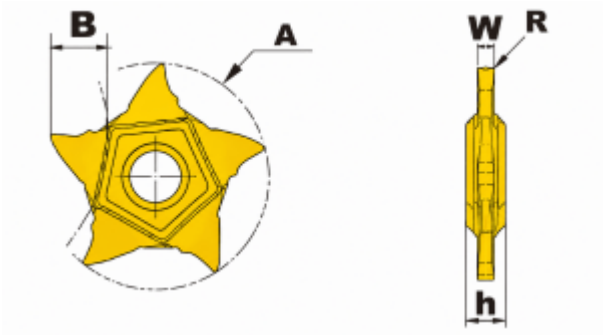
optimize surface finish. **Neutral design** for R/L holder compatibility. Ideal for small component production on CNC lathes. Includes comprehensive **Dmax compatibility** data.

Descriptions

Core Advantages

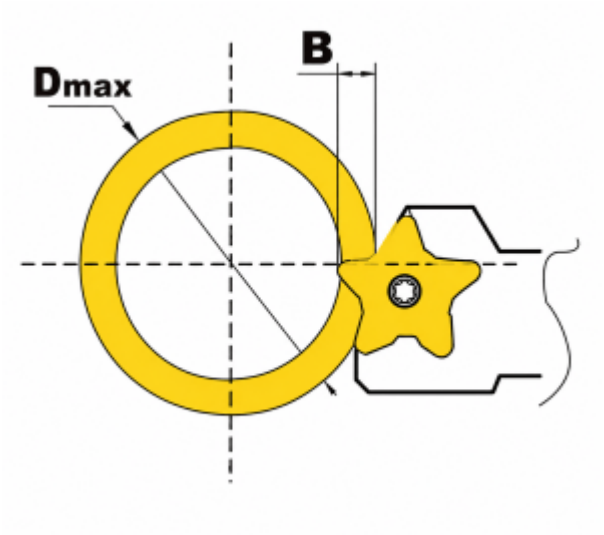
- **5-Edge Economy:** Pentagonal design provides 5 effective cutting edges for maximum tool utilization.
- **Low Cutting Force:** High positive rake angle reduces drag and improves surface quality.
- **Neutral Geometry:** Symmetrical insert fits both Right and Left-hand tool posts.
- **Precision Parting:** Engineered for stable chip curling and high-accuracy parting of small parts.

Dimensions (mm)



Designation	W (Width)	B	A	h	R (Radius)
PENTA24N050PF	0.50	2.5	24	4	0.05
PENTA24N100PF	1.00	4.0			0.10
PENTA24N150PF	1.50	6.0			
PENTA24N200PF	2.00				0.20
PENTA24N250PF	2.50				
PENTA24N300PF	3.00	6.5			
PENTA24N350PF	3.50				
PENTA24N400PF	4.00				

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
PENTA24N050	20	-	-	-	-	-	-	-	-
PENTA24N100	Unlimited	250	210	50	20	-	-	-	-
PENTA24N150 to 400	Unlimited	470				180	120	80	70