

SP SERIES

ZANHO Cutting Tools



SP SERIES

—— carbide Inserts ——

Feature

ZANHO **SP series**: Single-ended **high-rigidity inserts** specifically designed for deep parting-off of solid bars and heavy-duty external grooving. Compatible with **SPB series tool holders**, the single-

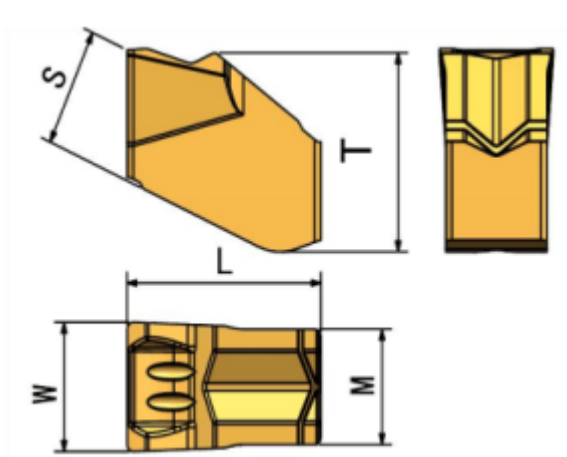
sided design provides maximum contact area for superior stability and vibration suppression at large cutting depths. Features a specialized chipbreaker for inward chip curling to avoid side-wall friction.

Descriptions

Technical Advantages

- **Maximized Rigidity:** Single-ended design ensures a full-length contact surface within the holder, providing significantly higher stability than double-ended inserts for deep parting operations.
- **Solid Bar Performance:** Optimized specifically for parting-off large diameter solid bars where vibration suppression and tool strength are critical.
- **SP Specialized Chipbreaker:** Promotes efficient chip curling and inward shrinking, preventing chip packing and side-wall friction in deep grooves.
- **SPB Holder Compatibility:** Perfectly adapted for SPB series parting blocks and blade-type holders for high-efficiency industrial production.
- **Flat Parting Face:** Precision ground cutting geometry ensures high dimensional accuracy and a smooth, flat end-face after parting, minimizing secondary operations.

Technical Specifications (mm)



Model Type	Width (CW)	Max Depth (ap)	Thickness (S)	Radius (R)	Application
SP200	2.00	26	3.18	0.2	Deep Parting
SP300	3.00	26	3.18	0.3	Deep Parting

Model Type	Width (CW)	Max Depth (ap)	Thickness (S)	Radius (R)	Application
SP400	4.00	26	3.18	0.4	Deep Parting
SP600	6.00	32	4.76	0.8	Heavy-Duty Parting

Industrial-Grade Stability for Solid Bar Parting

ZANHO SP series delivers superior rigidity for high-demand CNC turning. Contact us for bulk B2B inquiry and holder compatibility.