

GER-C

ZANHO Cutting Tools



GER-C
Grooving Inserts

Feature

ZANHO **GER/GEL-C series**: Single-sided **precision internal grooving inserts** specifically engineered for closed cutting environments. Features the specialized **C-type chipbreaker** to

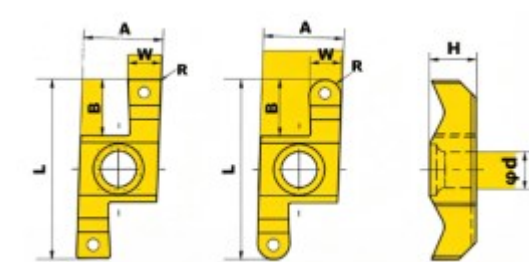
prevent chip accumulation and minimize cutting resistance in small-diameter bores. Available in **Right-hand (GER)** and **Left-hand (GEL)** designations with widths up to 3.50mm. Designed for high-accuracy slotting and profiling in steel and alloy workpieces.

Descriptions

Technical Advantages

- **Closed-Environment Optimization:** Specifically designed for internal slotting where chip evacuation is difficult, ensuring stable curling and removal.
- **C-Type Specialized Chipbreaker:** Optimized geometry reduces cutting force and suppresses chip packing, significantly improving process safety in deep bores.
- **Enhanced Edge Treatment:** Precision passivated (honed) edges provide superior resistance against chipping and impact under weak machine rigidity.
- **Full Radius (CR) Availability:** Comprehensive range of CR-series Full Radius models ($R = W/2$) for specialized profile grooving and transition machining.
- **Consistent Accuracy:** Strict manufacturing tolerances ensure stable slot widths and high repeatability for high-volume CNC production.

GER / GEL-C Detailed Specifications (mm)



Designation (Right)	Designation (Left)	L	A	H	ød	W
GER100-C	GEL100-C	11.48	5.8	4.05	2.80	1.00
GER120-C	GEL120-C					1.20
GER150-C	GEL150-C					1.50
GER200-C	GEL200-C					2.00

Designation (Right)	Designation (Left)	L	A	H	ød	W
GER250-C	GEL250-C	2.50	0.20			
GER300-C	GEL300-C	3.00	0.20			
GER350-C	GEL350-C	3.50	0.20			
GER100-050CR	GEL100-050CR	1.00	0.50 (Full)			
GER120-060CR	GEL120-060CR	1.20	0.60 (Full)			
GER150-075CR	GEL150-075CR	1.50	0.75 (Full)			
GER200-100CR	GEL200-100CR	2.00	1.00 (Full)			
GER250-125CR	GEL250-125CR	2.50	1.25 (Full)			
GER300-150CR	GEL300-150CR	3.00	1.50 (Full)			

Professional Solutions for Precision Internal Machining

ZANHO GER/GEL-C series provides industrial reliability for the most demanding precision bores. Contact us for bulk quotations.