

GER-D

ZANHO Cutting Tools



GER-D
Grooving Inserts

Feature

ZANHO **GER/GEL-D series**: Single-sided **precision internal grooving inserts** optimized for closed-bore machining. Featuring the specialized **D-type chipbreaker**, it enhances chip curling

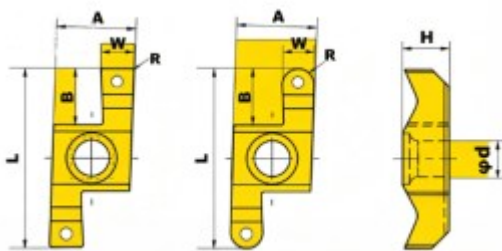
and evacuation, allowing for relatively higher feed rates in small diameters. Available in **Right-hand (GER)** and **Left-hand (GEL)** designations with widths from 1.00mm up to 4.00mm. Ideal for high-stability slotting and profiling in steel and alloys.

Descriptions

Technical Advantages

- **Optimized for Higher Feed Rates:** The D-type geometry is engineered to handle increased feed conditions while maintaining superior chip control in closed internal environments.
- **D-Type Specialized Chipbreaker:** Reinforced chip curling geometry significantly reduces the risk of chip packing and accumulation in deep, narrow bores.
- **Enhanced Edge Toughness:** Precision passivated (honed) cutting edges provide high resistance against breakdown and impact under unstable machining conditions.
- **Full Radius (DR) Availability:** Comprehensive range of DR-series Full Radius models (up to R=2.00) for specialized profile grooving and heavy-duty contouring.
- **Exceptional Stability:** Standardized $\varnothing d$ (3.40mm) and H (5.05mm) dimensions ensure secure clamping and maximum process safety in CNC lathes.

GER / GEL-D Detailed Specifications (mm)



Designation (Right)	Designation (Left)	L	A	H	$\varnothing d$	W
GER100-D	GEL100-D	16.44	6.8	5.05	3.40	1.00
GER120-D	GEL120-D					1.20
GER150-D	GEL150-D					1.50
GER200-D	GEL200-D					2.00

Designation (Right)	Designation (Left)	L	A	H	ød	W
GER250-D	GEL250-D	2.50	0.20			
GER300-D	GEL300-D	3.00	0.20			
GER350-D	GEL350-D	3.50	0.20			
GER400-D	GEL400-D	4.00	0.20			
GER100-050DR	GEL100-050DR	1.00	0.50 (Full)			
GER120-060DR	GEL120-060DR	1.20	0.60 (Full)			
GER150-075DR	GEL150-075DR	1.50	0.75 (Full)			
GER200-100DR	GEL200-100DR	2.00	1.00 (Full)			
GER250-125DR	GEL250-125DR	2.50	1.25 (Full)			
GER300-150DR	GEL300-150DR	3.00	1.50 (Full)			
GER350-175DR	GEL350-175DR	3.50	1.75 (Full)			
GER400-200DR	GEL400-200DR	4.00	2.00 (Full)			

High-Performance Precision for Internal Bore Slotting

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