

E**-SCLCR/L

ZANHO Cutting Tools



E -SCLC

Solid Carbide Anti-Vibration Boring Bar

Feature

ZANHO E-SCLCR/L series: High-precision **internal coolant** solid tungsten steel boring bars. Featuring an integrated **coolant-through** design, these bars provide superior chip evacuation and

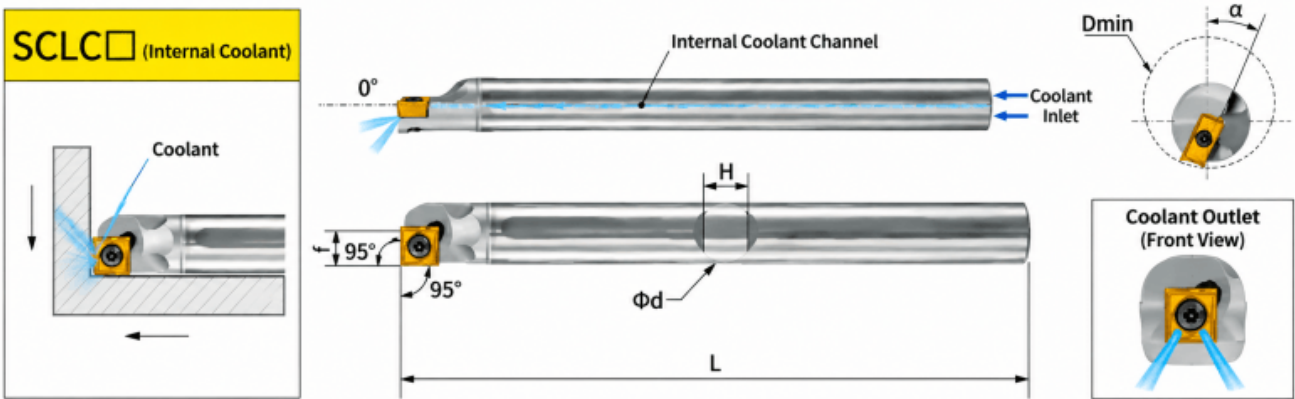
temperature control directly at the cutting edge. Crafted from solid carbide for maximum rigidity and **anti-vibration** performance, they are the ultimate choice for high-accuracy deep hole boring in challenging materials.

Descriptions

Technical Advantages (Internal Coolant Type)

- **Integrated Internal Coolant:** Delivers high-pressure coolant directly to the cutting zone, ensuring superior chip evacuation in deep holes.
- **Maximum Thermal Control:** Effectively reduces heat build-up at the edge, significantly extending insert life and improving surface finish.
- **Solid Tungsten Steel Rigidity:** Solid carbide shank offers the highest level of vibration dampening for high-precision boring.
- **Deep Hole Excellence:** Optimized for boring depths where standard bars fail due to chip accumulation or heat.
- **Precision Through-Hole:** Precision-drilled internal channel maintains consistent coolant pressure throughout the bar.

E-SCLCR/L Series Dimensions (mm) - Internal Coolant



Model		Dimensions (mm)					Accessories		
Left	Right	Dmin	?d	L	H	f	Insert	Screw	Wrench
E04H-SCLCL03	E04H-SCLCR03	5	4	100	3.7	2.5	CC??0301??	M1.6x4	T6
E05H-SCLCL03	E05H-SCLCR03	6	5	100	4.4	3			
E06K-SCLCL03	E06K-SCLCR03	7	6	125	5.2	3.5			

Model		Dimensions (mm)					Accessories		
Left	Right	Dmin	∅d	L	H	f	Insert	Screw	Wrench
E05H-SCLCL04	E05H-SCLCR04	6	5	100	4.4	3	CC??04T1??	M2x4	T6
E06K-SCLCL04	E06K-SCLCR04	7	6	125	5.2	3.5			
E07K-SCLCL04	E07K-SCLCR04	8	7	125	6.2	4			
E08K-SCLCL04	E08K-SCLCR04	9	8	125	7	4.5			
E10K-SCLCL04	E10K-SCLCR04	11	10	125	9	5.5			
E06K-SCLCL06	E06K-SCLCR06	9	6	125	5.2	4.5	CC??0602??	M2.5x6	T8
E07K-SCLCL06	E07K-SCLCR06	9	7	125	6.2	4.5			
E08K-SCLCL06	E08K-SCLCR06	10	8	125	7	4.6			
E10K-SCLCL06	E10K-SCLCR06	12	10	125	9	5.6			
E12M-SCLCL06	E12M-SCLCR06	14	12	150	11	7			
E14N-SCLCL06	E14N-SCLCR06	16	14	160	13	8			
E16Q-SCLCL06	E16Q-SCLCR06	18	16	180	14.8	9			
E20R-SCLCL06	E20R-SCLCR06	23	20	200	18.6	11.5			
E08K-SCLCL09	E08K-SCLCR09	13	8	125	7	7.5	CC??09T3??	M4x6	T15
E10K-SCLCL09	E10K-SCLCR09	13	10	125	9	7			
E12M-SCLCL09	E12M-SCLCR09	14	12	150	11	7			
E14N-SCLCL09	E14N-SCLCR09	16	14	160	13	8.2			
E16Q-SCLCL09	E16Q-SCLCR09	18	16	180	14.8	9			
E18Q-SCLCL09	E18Q-SCLCR09	20	18	180	16.6	10			
E20R-SCLCL09	E20R-SCLCR09	23	20	200	18.6	11.5			
E25S-SCLCL09	E25S-SCLCR09	29	25	250	23	14.5			

Model		Dimensions (mm)					Accessories		
Left	Right	Dmin	∅d	L	H	f	Insert	Screw	Wrench
E32T-SCLCL09	E32T-SCLCR09	38	32	300	30	20			
E40T-SCLCR09	E40T-SCLCR09	46	40	300	37	24			
E20R-SCLCL12	E20R-SCLCR12	24	20	200	18.6	12	CC??1204??	M5x10	T20
E25S-SCLCL12	E25S-SCLCR12	29	25	250	23	14.5		M5x12	
E32T-SCLCL12	E32T-SCLCR12	38	32	300	30	20			
E40T-SCLCL12	E40T-SCLCR12	46	40	300	37	24			

HOW TO READ A TOOLHOLDER MODEL NUMBER

Example: E12M – SCLCR 09



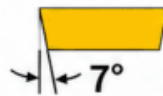
1 Toolholder Material

C: Cemented Carbide
E: Carbide Steel (Tungsten Steel)
(With Coolant Hole)
S: Steel

2 Shank Diameter

Toolholder shank diameter (mm)

7 Insert Clearance Angle



8 Cutting Direction

R: Right-hand
L: Left-hand

9 Cutting Edge Length

Insert cutting edge length

3 Toolholder Length (mm)

H: 100 J: 110
K: 125 M: 150
N: 160 Q: 180
R: 200 S: 250
T: 300 U: 350

4 Clamping Method



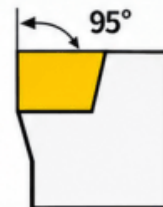
S: Screw Clamping

5 Insert Shape



C: Rhombic Insert
(80°)

6 Toolholder Angle



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