C**-SLCCR/L

ZANHO Cutting Tools



C□□-SCLC□

Solid Carbide Anti-Vibration Boring Bar

Feature

ZANHO **C-SCLCR/L series**: High-performance **solid tungsten steel boring bars** designed for precision internal turning. The solid carbide shank provides ultimate rigidity and **anti-vibration**

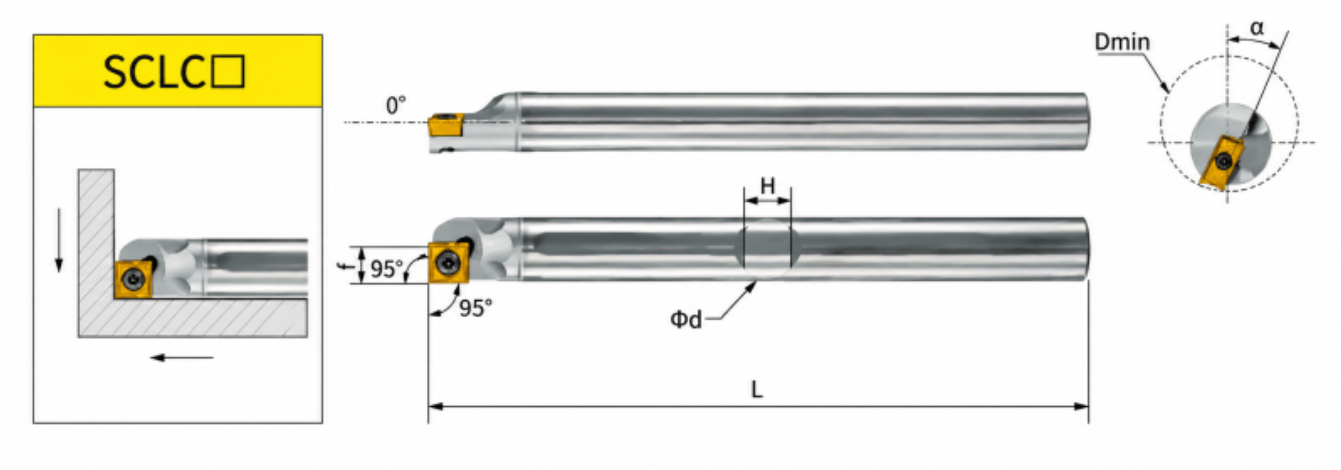
properties, making it ideal for deep hole boring and small diameter applications. Compatible with standard **CCMT/CCGT** inserts, it ensures superior surface finish and dimensional accuracy in demanding CNC operations.

Descriptions

Technical Advantages

- **Solid Tungsten Steel Shank:** Provides maximum rigidity and effectively suppresses vibration during deep hole boring.
- **Small Diameter Specialization:** Designed specifically for internal turning in small bores (starting from ?5mm).
- **High Precision Machining:** Minimizes deflection to ensure tight tolerances and excellent surface smoothness.
- **Screw-Down Clamping:** Simple and secure clamping system for standard CCMT/CCGT inserts.
- **Extended Tool Life:** Reduces tool wear and risk of breakage through superior vibration dampening.

C-SCLCR/L Series Dimensions (mm)



Model		Dimensions (mm)					Accessories		
Left	Right	Dmin	?d	L	H	f	Insert	Screw	Wrench
C04H-SCLCL03	C04H-SCLCR03	5	4	100	3.7	2.5	CC??0301??	M1.6x4	T6
C05H-SCLCL03	C05H-SCLCR03	6	5	100	4.4	3			

Model		Dimensions (mm)					Accessories		
Left	Right	Dmin	?d	L	H	f	Insert	Screw	Wrench
C06K-SCLCL03	C06K-SCLCR03	7	6	125	5.2	3.5			
C05H-SCLCL04	C05H-SCLCR04	6	5	100	4.4	3	CC??04T1??	M2x4	T6
C06K-SCLCL04	C06K-SCLCR04	7	6	125	5.2	3.5			
C07K-SCLCL04	C07K-SCLCR04	8	7	125	6.2	4			
C08K-SCLCL04	C08K-SCLCR04	9	8	125	7	4.5			
C10K-SCLCL04	C10K-SCLCR04	11	10	125	9	5.5			
C06K-SCLCL06	C06K-SCLCR06	9	6	125	5.2	4.5	CC??0602??	M2.5x6	T8
C07K-SCLCL06	C07K-SCLCR06	9	7	125	6.2	4.5			
C08K-SCLCL06	C08K-SCLCR06	10	8	125	7	4.6			
C10K-SCLCL06	C10K-SCLCR06	12	10	125	9	5.6			
C12M-SCLCL06	C12M-SCLCR06	14	12	150	11	7			
C14N-SCLCL06	C14N-SCLCR06	16	14	160	13	8			
C16Q-SCLCL06	C16Q-SCLCR06	18	16	180	14.8	9			
C20R-SCLCL06	C20R-SCLCR06	23	20	200	18.6	11.5			
C08K-SCLCL09	C08K-SCLCR09	13	8	125	7	7.5	CC??09T3??	M4x6	T15
C10K-SCLCL09	C10K-SCLCR09	13	10	125	9	7			
C12M-SCLCL09	C12M-SCLCR09	14	12	150	11	7		M4x8	
C14N-SCLCL09	C14N-SCLCR09	16	14	160	13	8.2			
C16Q-SCLCL09	C16Q-SCLCR09	18	16	180	14.8	9			
C18Q-SCLCL09	C18Q-SCLCR09	20	18	180	16.6	10			
C20R-SCLCL09	C20R-SCLCR09	23	20	200	18.6	11.5			

Model		Dimensions (mm)					Accessories		
Left	Right	Dmin	?d	L	H	f	Insert	Screw	Wrench
C25S-SCLCL09	C25S-SCLCR09	29	25	250	23	14.5	M4x10		
C32T-SCLCL09	C32T-SCLCR09	38	32	300	30	20			
C40T-SCLCL09	C40T-SCLCR09	46	40	300	37	24			
C20R-SCLCL12	C20R-SCLCR12	24	20	200	18.6	12	CC??1204??	M5x10	T20
C25S-SCLCL12	C25S-SCLCR12	29	25	250	23	14.5		M5x12	
C32T-SCLCL12	C32T-SCLCR12	38	32	300	30	20			
C40T-SCLCL12	C40T-SCLCR12	46	40	300	37	24			

HOW TO READ A TOOLHOLDER MODEL NUMBER

Example: E12M – SCLCR 09

E	12	M	–	S	C	L	C	R	09
1	2	3		4	5	6	7	8	9

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

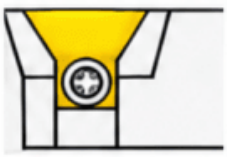
9 Cutting Edge Length

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





Tooling for a Better Tomorrow