

Product Brochure For L016

## Left Hand Turning Tool Holder - STGCL-1212-H11

12mm Tool Height

Insert tip not included

Ex GST  
\$74.00

Inc GST  
\$85.10



ORDER CODE:	L016
Part Number - Style:	STGC
Tool Height Size (mm):	12
Clamping Method of Insert:	~
Category:	~
Connection style:	~
Back End Size:	~
Application:	~
Hand Type:	Left
Holder Style:	~
Clearance Angle:	~
Insert Type:	TCMT11
A (H) (mm):	12
B (mm):	12
C (LF) (mm):	100
LH (mm):	~
F (WF) (mm):	16
E (mm):	~



### Description

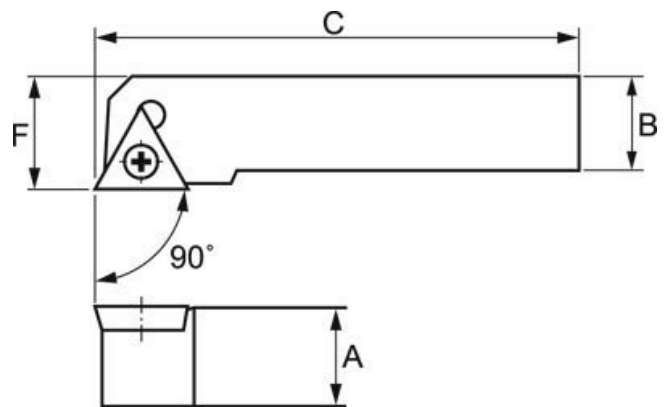
Quality Tipped Tool Holders ISO Standard to suit Tungsten Carbide Indexable Insert Tips.

NOTE: Inserts not included with tool holders

Use insert TCMT 110204 (L062)

### Features

- Positive rake turning tool holder with 90° approach angle
- Suitable for low powered machines
- Left hand tool holder suitable for facing operations



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### SETTING THE SPINDLE SPEED

To calculate the correct speed the following metric formula can be used

$$\text{RPM} = \frac{1000 \times \text{Surface speed in Metres per Minute}}{3.14 \times \text{Diameter in millimetres}}$$

Material	Approximate surface speeds for carbide tools	
	Metres per minute	
	Roughing	Finishing
Mild Steel	50	80
Cast Iron	40	60
Aluminium	80	100
Stainless Steel	40	50

#### Example 1.

20mm Mild Steel bar to be rough machined

$$\text{RPM} = \frac{1000 \times 50}{3.14 \times 20\text{mm}} = \frac{50000}{62.8} = 796\text{rpm}$$

#### Example 2.

20mm Mild Steel bar to be finished machined

$$\text{RPM} = \frac{1000 \times 80}{3.14 \times 20\text{mm}} = \frac{80000}{62.8} = 1273\text{rpm}$$

- Set the spindle speed to the closest speed to the RPM calculated
- If in doubt then set a speed slower than the calculated speed

### SETTING THE TOOL ON CENTRE

For the tool to cut correctly it needs to be set on centre. This can be best achieved by placing a centre in the tailstock and packing the tool until the tool is on centre.

Correct centre height



Incorrect centre height



## Recommended Accessories

L062

KYOCERA Carbide Inserts - Turning



L525

Screw to Suit Turning Tool Holder



L526

Key to Suit Tool Holder



L450

Lathe Turning Tool Kit - 3 piece Insert Type

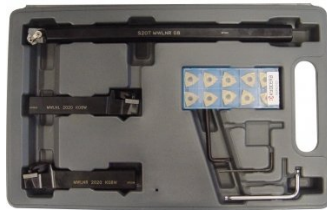


Product Brochure For L016

**L451**  
Lathe Turning Tool Kit - 3 piece  
Insert Type



**L452**  
Lathe Turning Tool Kit - 3 piece  
Insert Type



**L453**  
Lathe Turning Tool Kit - 3 piece  
Insert Type



**L072**  
HSS Turning Tool Set - 4 piece



**L0085**  
Carbide Turning Tool Set - 11  
piece



**L0055**  
Lathe Turning Tool Kit - 5 piece  
Insert Type



**L0099**  
Lathe Turning Tool Kit - 7 piece  
Insert Type



**L0077**  
Lathe Turning Tool Kit - 7 piece  
Insert Type



**L456**  
Lathe Threading Tool Kit - Insert  
Type



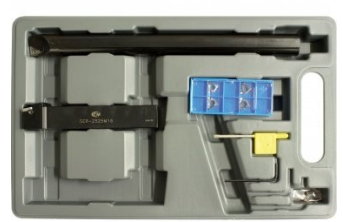
**L457**  
Lathe Threading Tool Kit - Insert  
Type



**L458**  
Lathe Threading Tool Kit - Insert  
Type



**L459**  
Lathe Threading Tool Kit - Insert  
Type



Product Brochure For L016

**L464**

Professional Lathe Parting Tool Kit - Insert Type



**L465**

Professional Lathe Parting Tool Kit - Insert Type



**L466**

Professional Lathe Parting Tool Kit - Insert Type



**L467**

Professional Lathe Parting Tool Kit - Insert Type



**L006A**

Boring Bar Set - HSS



**L431**

Boring Bar Set - Carbide Insert



**L430**

Boring Bar Set - Carbide Insert

