

Product Brochure For L016

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

12mm Tool Height

Insert tip not included

**On Sale**

Ex GST

**\$74.00**

**\$59.13**

Inc GST

**\$85.10**

**\$68.00**



|                            |        |
|----------------------------|--------|
| 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

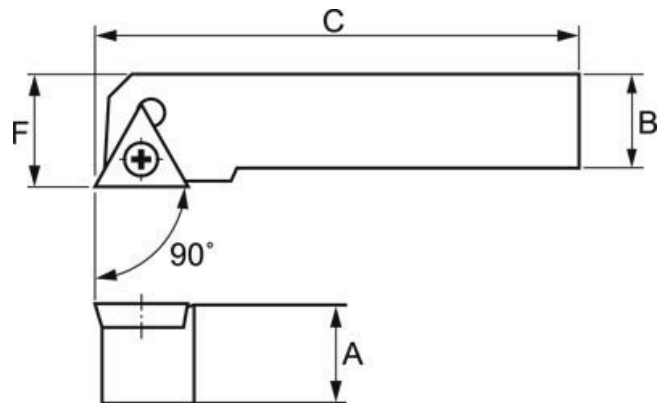
Quality Tipped Tool Holders ISO Standard to suit Tungsten Carbide Indexable Insert Tips.

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

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

| 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

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

**Example 2.**  
20mm Mild Steel bar to be finished machined

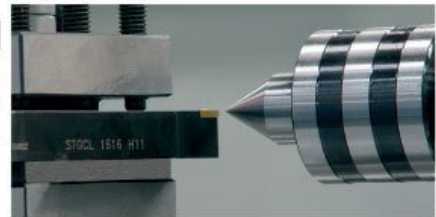
$$RPM = \frac{1000 \times 80}{3.14 \times 20mm} = \frac{80000}{62.8} = 1273rpm$$

- 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

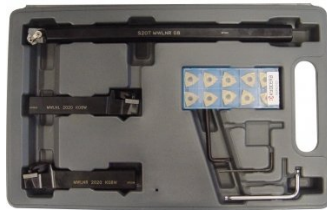


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**L451**  
Lathe Turning Tool Kit - 3 piece  
Insert Type



**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



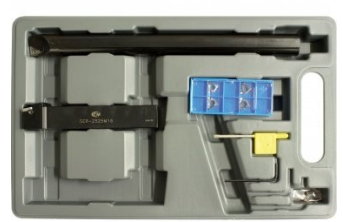
**L457**  
Lathe Threading Tool Kit - Insert  
Type



**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

