

L453 - Lathe Turning Tool Kit - 3 piece Insert Type

25mm Tool Height

Ex GST
\$430.00

Inc GST
\$473.00

ORDER CODE:	L453
Type:	Turning Tool Kit
Tool Type:	Carbide Inserts
Shank Size - Tool Height (mm):	25
Pieces in Set (No.):	3
Replacement Tip Code:	L053
Nett Weight (kg):	3.4



Description

Compact turning kit with right hand and left hand turning tools and a boring bar. The kit is designed so that all the tools use the same inserts. The inserts used in this kit are ISO standard and can be substituted with any of the major brands of inserts.

25mm Tool Height

Includes

- 1 x Right hand turning tool MWLNR2525 M08W
- 1 x Left hand turning tool MWLNL2525 M08W
- 1 x Right hand boring bar S25TMWLNRM08
- 10 x inserts to suit all tools (WNMG080404)

Optional Accessories

- Replacement Packet (10) Inserts use (L053)
- 25mm R/H Tool MWLNR 2525 M08W (L041)
- SHIM (L513)
- SHIM PIN (L514)
- CLAMP (L515)
- SCREW (L516)
- 25mm L/H Tool MWLNL 2525 M08W (L042)
- SHIM (L513)
- SHIM PIN (L514)
- CLAMP (L515)
- 25mm Boring Bar S25T MWLNR 08 (L416)
- CLAMP SCREW (L536)
- CLAMP (L535)
- SHIM PIN (L503)

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



Specific Features



Set

Plastic Case

Recommended Accessories

L053
 KYOCERA Carbide Inserts -
 Turning

L0534
 KYOCERA Carbide Inserts -
 Turning

L0538
 KYOCERA Carbide Inserts -
 Turning

ML400
 Cutter Part - Key

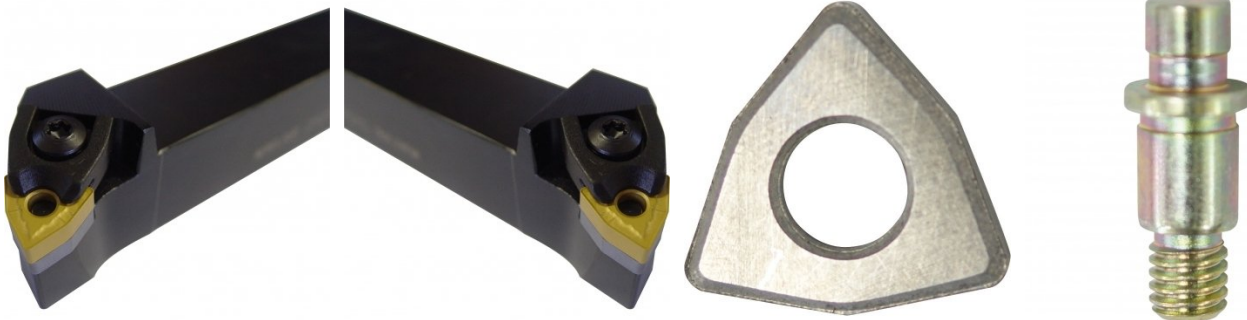


L041
 Right Hand Turning Tool Holder

L042
 Left Hand Turning Tool Holder

L513
 Seat to Suit Turning Tool
 Holders

L514
 Pin to Suit Turning Tool Holders



Product Brochure For L453

L515
Clamp to Suit Turning Tool Holders



L516
Clamp Screw to Suit Turning Tool Holders



L416
Right Hand Boring Bar



L535
Clamp to Suit Turning Tool Holders



L503
Seat Pin to Suit Turning Tool Holders



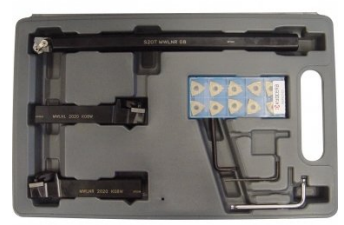
L450
Lathe Turning Tool Kit - 3 piece Insert Type



L451
Lathe Turning Tool Kit - 3 piece Insert Type



L452
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



Product Brochure For L453

L0077

Lathe Turning Tool Kit - 7 piece
 Insert Type



L456

Lathe Threading Tool Kit - Insert
 Type



L457

Lathe Threading Tool Kit - Insert
 Type



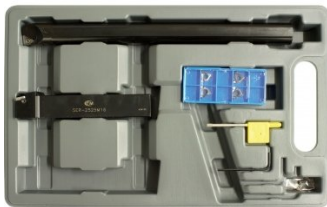
L458

Lathe Threading Tool Kit - Insert
 Type



L459

Lathe Threading Tool Kit - Insert
 Type



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

