



**Carmex**  
*Precision Tools Ltd.*

**New**

## Modular Line

**Turning adaptors and boring bars  
for internal applications of threading and grooving.**



### Advantages

- High accurate turning ML adaptors provide full flexibility and easy adjustment.
- Full repeatability.
- A single boring bar fits to multi ML adaptors.
- Reduces tool inventories - investing in a single boring bar, right and left hand ML adaptors from the same size.
- ML adaptors support all Carmex standard thread turning inserts sizes 16, 22 and 27 mm. Grooving inserts size 16 mm fit the MLR/L 16 - 32 and MLR / L 16 - 40 adaptors.
- ML adaptors are coated with a high abrasive resistant nickel layer to prolong the ML adaptors tool life.

### Applications

- Internal machining
- Deep threads require high overhang with maximum rigidity
- Grooving
- Can be used on a large range of turning or multi-task machines

## High pressure coolant

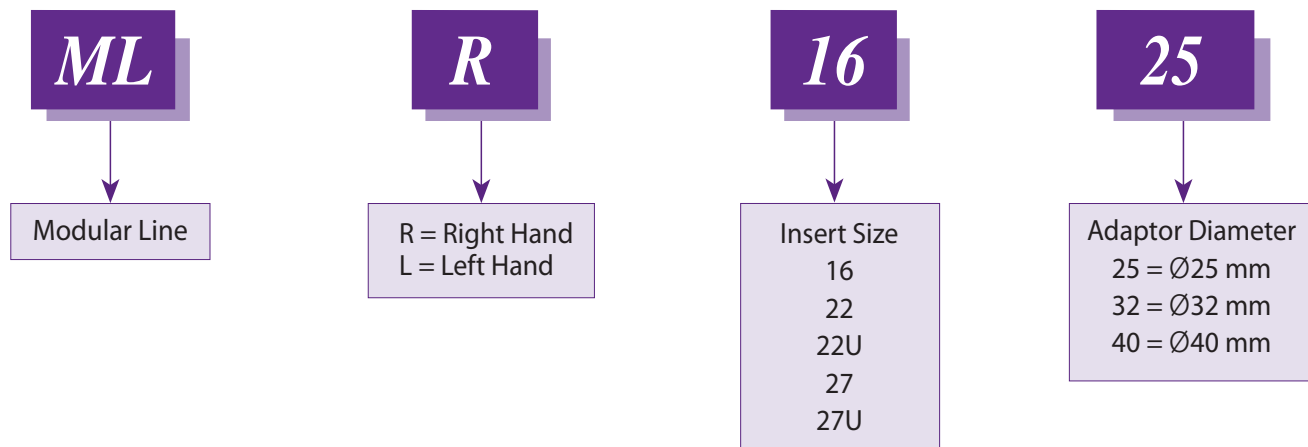
ML boring bars and adaptors are designed with internal coolant allowing high pressure up to 120 Bar.

High pressure coolant reduces the cutting edge temperature, provides a better chip evacuation and improves tool life.

The tools can also be used with normal coolant pressure.

## Product Identification

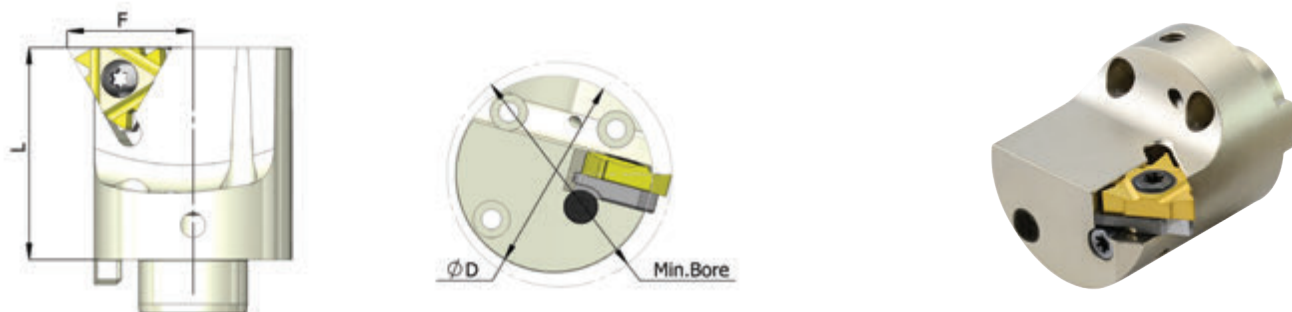
### Ordering Codes: ML Turning adaptors




### Ordering Codes: Boring Bars



## ML Turning Adaptors

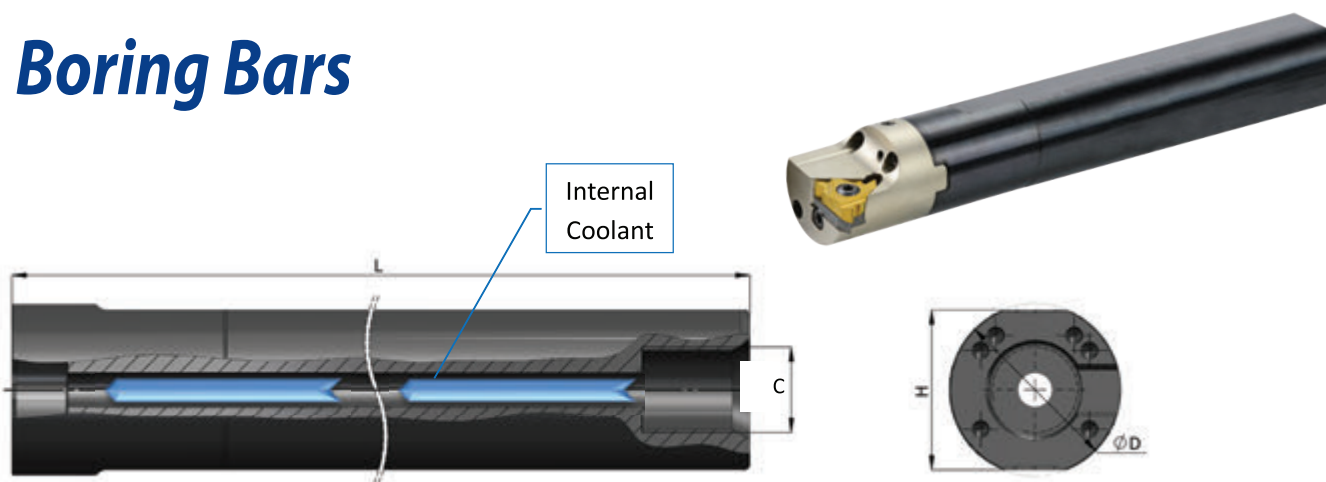


D	Ordering Code	 L	I.C. in	Min Bore Diam.	L	F	Insert Screw	Anvil Screw	Torx Key	RH Anvil	LH Anvil
25	<b>*MLR 16 - 25</b>	16	3/8	29	30	16.2	S16P	-	K16P	-	-
25	<b>*MLR 22 - 25</b>	22	1/2	29	30	18.1	S22P	-	K22P	-	-
32	<b>MLR 16 - 32</b>	16	3/8	36	43	19.7	S16P	A16P	K16P	AI16	AE16
32	<b>MLR 22 - 32</b>	22	1/2	38	43	21.6	S22P	A22P	K22P	AI22	AE22
32	<b>MLR 22U - 32</b>	22U	1/2U	38	43	24.4	S22P	A22P	K22P	AI22U	AE22U
40	<b>MLR 16 - 40</b>	16	3/8	44	43	23.7	S16P	A16P	K16P	AI16	AE16
40	<b>MLR 22 - 40</b>	22	1/2	46	43	25.6	S22P	A22P	K22P	AI22	AE22
40	<b>MLR 22U - 40</b>	22U	1/2U	46	43	28.1	S22P	A22P	K22P	AI22	AE22
40	<b>MLR 27 - 40</b>	27	5/8	48	43	26.6	S27P	A27P	K27P	AI27	AE27
40	<b>MLR 27U - 40</b>	27U	5/8U	48	43	29.4	S27P	A27P	K27P	AI27U	AE27U

\*Toolholders with no anvil

For **LEFT HAND** toolholders specify **MLL** instead of **MLR**

## Boring Bars



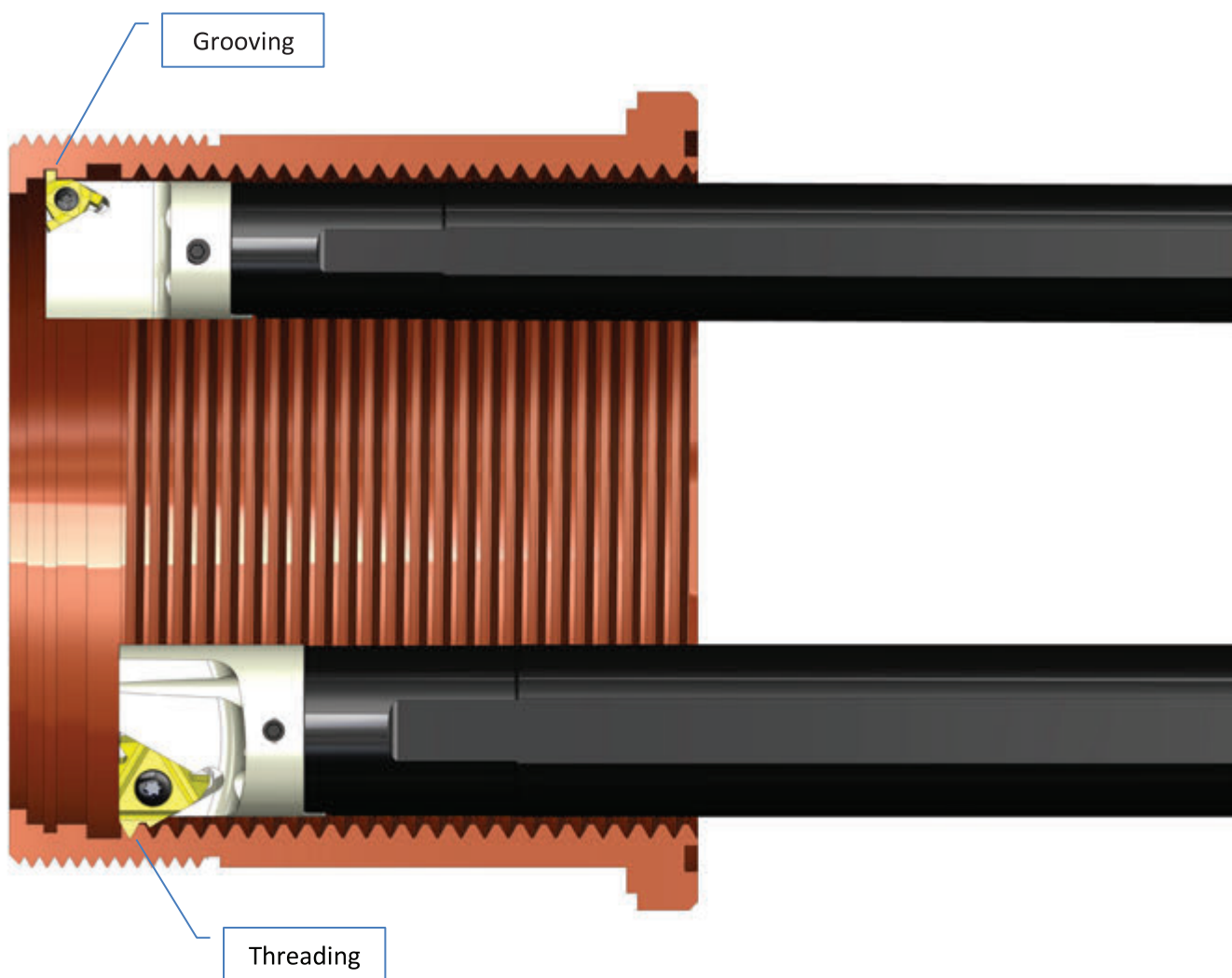
D	Ordering Code	L	H	C	Screw	Key
25	<b>MLS 0025 R</b>	200	23	G1/4"	S420, S435	K3
32	<b>MLS 0032 S</b>	250	30	G3/8"	S520, S550	K4
40	<b>MLS 0040 T</b>	300	36	G1/2"	S520, S550	K4

External ML adaptors (for external threads) are available upon request and can be used on the same MLS boring bars.



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- Maximum overhang: 4 x D

CARMEX Modular Line Metric 09/2017

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