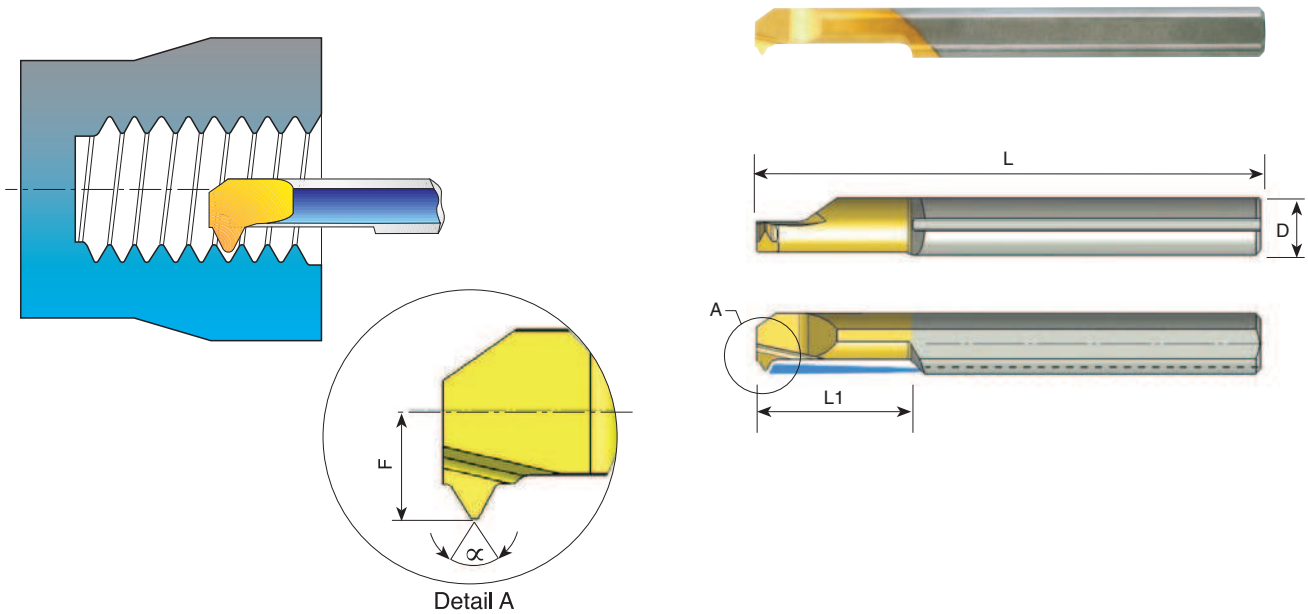


## MIR Bars Threading - with Coolant Channel



### Partial Profile 60° & 55°

D	Ordering Code	L	L1	$\alpha$	Pitch Range		F	Min. Bore Dia.	Holder*
					mm	TPI			
3.0	<b>MIR 2 L8 A60</b>	39	8	60	0.45-0.7	56-32	1.0	2.1	SIM 0020 H3
3.0	<b>MIR 3 L15 A60</b>	39	15	60	0.8 -1.0	32-24	1.4	3.2	SIM 0020 H3
3.0	<b>MIR 3 L15 A55</b>	39	15	55	0.5 -1.0	48-24	1.4	3.2	SIM 0020 H3
4.0	<b>MIR 4 L15 A60</b>	50	15	60	0.8 -1.0	32-24	1.8	4.1	SIM 0020 H4
4.0	<b>MIR 4 L15 A55</b>	50	15	55	0.5 -1.0	48-24	1.8	4.1	SIM 0020 H4
5.0	<b>MIR 5 L15 A60</b>	50	15	60	1.0 -1.25	24-20	2.3	5.1	SIM 0020 H5
5.0	<b>MIR 5 L15 A55</b>	50	15	55	0.5 -1.25	48-20	2.3	5.1	SIM 0020 H5
6.0	<b>MIR 6 L15 A60</b>	50	15	60	1.0 -1.5	24-16	2.6	6.0	SIM 0020 H6
6.0	<b>MIR 6 L15 A55</b>	50	15	55	0.5 -1.5	48-16	2.6	6.0	SIM 0020 H6
8.0	<b>MIR 8 L22 A60</b>	64	22	60	1.0 -2.0	24-13	3.6	8.0	SIM 0020 H8

Order example: MIR 5 L15 A60 BXC

For L.H. bars specify MIL instead of MIR

\* For additional holders see page 156

# Technical Section

Carbide Grade: **BXC (P30 - P50, K25 - K40)**

PVD TiN coated grade for low cutting speed, Works well with a wide range of stainless steels.

## Cutting speed for Tiny Tools

ISO Standard	Materials	Cutting Speed m/min
<b>P</b>	Low & Medium Carbon Steel	20-140
	High Carbon Steel	30-100
	Alloy Steels & Treated Steels	40- 90
<b>M</b>	Stainless Steels	20- 90
	Cast Steels	40- 90
<b>K</b>	Cast Iron	40-120
<b>N</b>	Non-Ferrous & Aluminium	50-120
<b>S</b>	Super alloy and Titanium	15- 30
<b>H</b>	Hard Materials	13- 30

**Recommended Feed Rate: 0.01 - 0.03 mm/rev**

## Threading Passes

Pitch:	mm	0.5	0.7	0.8	1.0	1.25	1.5
	TPI	48	36	32	24	20	16
Number of Passes		6-12	7-14	7-16	8-18	8-20	10-22