

Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	F	Ø Min. Bore Dia.	Holder
3.0	MTR 1 R0 L6	39	6	0	0.5	1.0	SIM...H3
	MTR 1 R0.05 L4	39	4	0.05	0.5	1.0	
	MTR 1 R0.05 L6	39	6	0.05	0.5	1.0	
3.0	MTR 1.2 R0 L7	39	7	0	0.6	1.2	SIM...H3
	MTR 1.2 R0 L9	39	9	0	0.6	1.2	
3.0	MTR 1.5 R0 L6	39	6	0	0.7	1.5	SIM...H3
	MTR 1.5 R0.1 L6	39	6	0.10	0.7	1.5	
3.0	MTR 2 R0 L10	39	10	0	0.8	2.1	SIM...H3
	MTR 2 R0.05 L5	39	5	0.05	0.7	2.1	
	MTR 2 R0.05 L10	39	10	0.05	0.8	2.1	
	MTR 2 R0.15 L5	39	5	0.15	0.8	2.1	
	MTR 2 R0.15 L10	39	10	0.15	0.8	2.1	
4.0	MTR 2.5 R0 L10	51	10	0	1.0	2.5	SIM...H4
	MTR 2.5 R0.1 L10	51	10	0.10	1.0	2.5	
	MTR 2.5 R0.1 L15	51	15	0.10	1.0	2.5	
3.0	MTR 3 R0.05 L10	39	10	0.05	1.3	3.1	SIM...H3
	MTR 3 R0.05 L15	39	15	0.05	1.3	3.1	
	MTR 3 R0.1 L10	39	10	0.10	1.3	3.1	
	MTR 3 R0.1 L15	39	15	0.10	1.3	3.1	
	MTR 3 R0.2 L10	39	10	0.20	1.3	3.1	
	MTR 3 R0.2 L15	39	15	0.20	1.3	3.1	
4.0	MTR 4 R0.05 L15	51	15	0.05	1.7	4.1	SIM...H4
	MTR 4 R0.05 L22	51	22	0.05	1.7	4.1	
	MTR 4 R0.1 L10	51	10	0.10	1.7	4.1	
	MTR 4 R0.1 L15	51	15	0.10	1.7	4.1	
	MTR 4 R0.1 L22	51	22	0.10	1.7	4.1	
	MTR 4 R0.2 L10	51	10	0.20	1.7	4.1	
	MTR 4 R0.2 L15	51	15	0.20	1.7	4.1	
	MTR 4 R0.2 L30	62	30	0.20	1.7	4.1	

红框中新增产品，红色字体Carmex备有库存。全部新增K20、BMK材质。

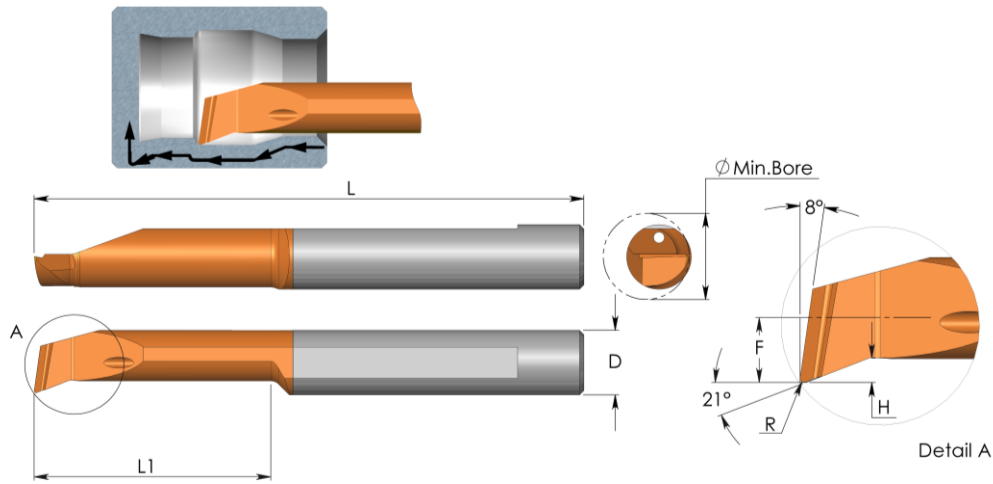
MTR Bars Boring 公制MTR刀杆

D	Ordering Code	L	L1	R	F	Ø Min. Bore Dia.	Holder
5.0	MTR 5 R0.05 L15	51	15	0.05	2.1	5.1	SIM...H5
	MTR 5 R0.1 L15	51	15	0.10	2.1	5.1	
	MTR 5 R0.1 L22	51	22	0.10	2.1	5.1	
	MTR 5 R0.1 L30	76	30	0.10	2.1	5.1	
	MTR 5 R0.2 L10	51	10	0.20	2.1	5.1	
	MTR 5 R0.2 L15	51	15	0.20	2.1	5.1	
	MTR 5 R0.2 L22	51	22	0.20	2.1	5.1	
	MTR 5 R0.2 L30	76	30	0.20	2.1	5.1	
	MTR 5 R0.2 L40	76	40	0.20	2.1	5.1	
6.0	MTR 6 R0.05 L15	51	15	0.05	2.8	6.1	SIM...H6
	MTR 6 R0.05 L22	51	22	0.05	2.8	6.1	
	MTR 6 R0.1 L15	51	15	0.10	2.8	6.1	
	MTR 6 R0.2 L15	51	15	0.20	2.8	6.1	
	MTR 6 R0.1 L22	51	22	0.10	2.8	6.1	
	MTR 6 R0.2 L22	51	22	0.20	2.8	6.1	
	MTR 6 R0.2 L30	58	30	0.20	2.8	6.1	
	MTR 6 R0.2 L40	76	40	0.20	2.8	6.1	
7.0	MTR 7 R0.2 L22	62	22	0.20	3.3	7.1	SIM...H7
	MTR 7 R0.2 L30	62	30	0.20	3.3	7.1	
8.0	MTR 8 R0.2 L15	64	15	0.20	3.8	8.1	SIM...H8
	MTR 8 R0.2 L22	64	22	0.20	3.8	8.1	
	MTR 8 R0.2 L35	76	35	0.20	3.8	8.1	
10.0	MTR 10 R0.2 L35	73	35	0.20	4.8	10.1	SIM...H10

红框中新增产品，红色字体Carmex备有库存。全部新增K20、BMK材质。

CBR Bars - Profiling and Boring CBR仿形和镗孔

with advanced Chip Breaker 带一个领先其它的断屑槽

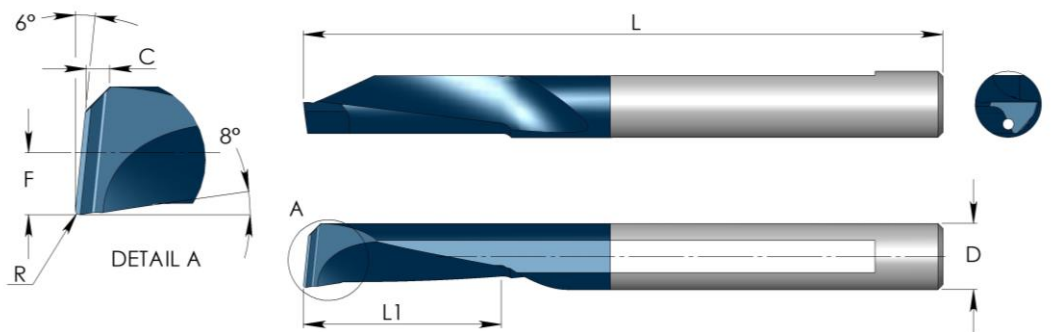


Grade	P	M	K	N	S	H
TNX	•	•	•	•	•	•

D	Ordering Code	L	L1	R	H	F	∅ Min. Bore Dia.	Holder
4.0	CBR 4 R0.2 L10	51	10	0.2	0.4	1.8	4.1	SIM...H4
	CBR 4 R0.2 L15	51	15	0.2	0.4	1.8	4.1	
5.0	CBR 5 R0.2 L15	51	15	0.2	0.8	2.3	5.1	SIM...H5
	CBR 5 R0.2 L22	51	22	0.2	0.8	2.3	5.1	
6.0	CBR 6 R0.2 L15	51	15	0.2	1.0	2.8	6.1	SIM...H6
	CBR 6 R0.2 L22	51	22	0.2	1.0	2.8	6.1	

CBR公制

CMR multi-Task Tiny Tools 公制CMR多功能微型刀具



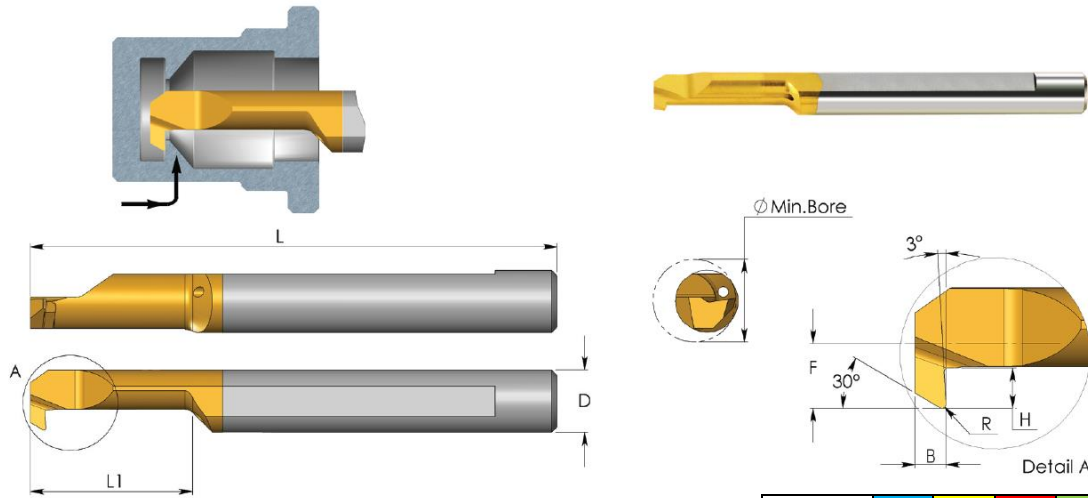
Grade	P	M	K	N	S	H
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	F	C	Hole Dia*	Holder
4	CMR 4 R0.1 L10	51	10	0.1	1.8	1.3	4	SIM...H4
	CMR 4 R0.1 L15	51	15	0.1	1.8	1.3	4	
5	CMR 5 R0.2 L10	51	10	0.2	2.1	1.3	5	SIM...H5
	CMR 5 R0.2 L15	51	15	0.2	2.1	1.3	5	
6	CMR 6 R0.2 L12	58	12	0.2	2.8	1.5	6	SIM...H6
	CMR 6 R0.2 L18	58	18	0.2	2.8	1.5	6	

For L.H. bars specify CML instead of CMR L.H.刀杆, 指定CML不是CMR。

*The minimum diameter the tool can produce from full material 最小直径刀杆适用所有材料

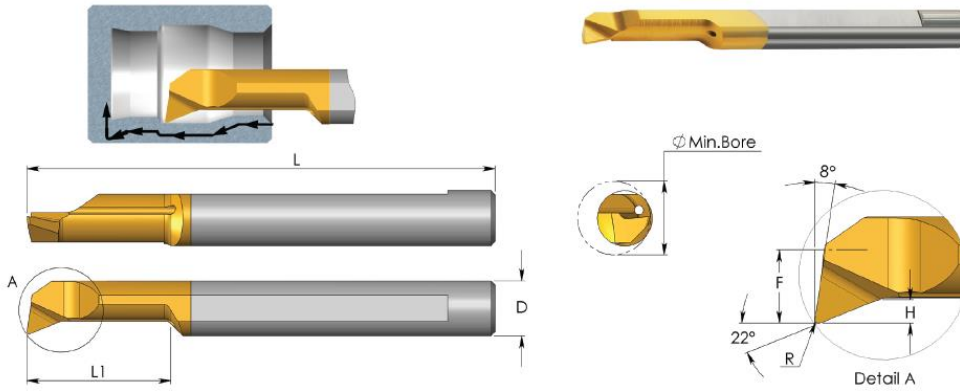
MXR Bars Back Turning 公制MXR刀杆



Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	B	R	H	F	∅ Min. Bore Dia.	Holder
4.0	MXR 4 R0.1 L10	51	10	1.3	0.10	0.5	1.3	3.1	SIM...H4
4.0	MXR 4 R0.15 L10	51	10	1.3	0.15	0.8	1.7	4.1	SIM...H4
	MXR 4 R0.15 L15	51	15	1.3	0.15	0.8	1.7	4.1	
5.0	MXR 5 R0.2 L15	51	15	1.5	0.20	1.0	2.3	5.1	SIM...H5
	MXR 5 R0.2 L22	51	22	1.5	0.20	1.0	2.3	5.1	
6.0	MXR 6 R0.2 L15	51	15	1.5	0.20	1.8	2.8	6.1	SIM...H6
	MXR 6 R0.2 L22	51	22	1.5	0.20	1.8	2.8	6.1	

全部新增K20、BMK材质。



Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	H	F	∅ Min. Bore Dia.	Holder
3.0	MPR 1 R0.05 L4	39	4	0.05	0.2	0.5	1.0	SIM...H3
	MPR 1 R0.05 L8	39	8	0.05	0.2	0.5	1.0	
3.0	MPR 1.2 R0.1 L5	39	5	0.10	0.3	0.6	1.2	SIM...H3
	MPR 1.2 R0.1 L9	39	9	0.10	0.3	0.6	1.2	
3.0	MPR 1.5 R0.05 L10	39	10	0.05	0.3	0.7	1.5	SIM...H3
	MPR 1.5 R0.1 L6	39	6	0.10	0.3	0.7	1.5	
	MPR 1.5 R0.1 L10	39	10	0.10	0.3	0.7	1.5	
3.0	MPR 2 R0.05 L10	39	10	0.05	0.5	0.8	2.1	SIM...H3
	MPR 2 R0.1 L10	39	10	0.10	0.5	0.8	2.1	
	MPR 2 R0.15 L5	39	5	0.15	0.5	0.8	2.1	
	MPR 2 R0.15 L10	39	10	0.15	0.5	0.8	2.1	
	MPR 2 R0.15 L15	39	15	0.15	0.5	0.8	2.1	
4.0	MPR 2.5 R0.1 L10	51	10	0.10	0.6	1.0	2.5	SIM...H4
	MPR 2.5 R0.1 L15	51	15	0.10	0.6	1.0	2.5	
3.0	MPR 3 R0.05 L10	39	10	0.05	0.7	1.3	3.1	SIM...H3
	MPR 3 R0.05 L15	39	15	0.05	0.7	1.3	3.1	
	MPR 3 R0.1 L10	39	10	0.10	0.7	1.3	3.1	
	MPR 3 R0.1 L15	39	15	0.10	0.7	1.3	3.1	
	MPR 3 R0.1 L22	47	22	0.10	0.7	1.3	3.1	
	MPR 3 R0.2 L10	39	10	0.20	0.7	1.3	3.1	
	MPR 3 R0.2 L15	39	15	0.20	0.7	1.3	3.1	
	MPR 3 R0.2 L22	47	22	0.20	0.7	1.3	3.1	
4.0	MPR 4 R0.1 L10	51	10	0.10	0.8	1.7	4.1	SIM...H4
	MPR 4 R0.1 L15	51	15	0.10	0.8	1.7	4.1	
	MPR 4 R0.1 L22	51	22	0.10	0.8	1.7	4.1	
	MPR 4 R0.2 L10	51	10	0.20	0.8	1.7	4.1	
	MPR 4 R0.2 L15	51	15	0.20	0.8	1.7	4.1	
	MPR 4 R0.2 L22	51	22	0.20	0.8	1.7	4.1	
	MPR 4 R0.2 L30	62	30	0.20	0.8	1.7	4.1	

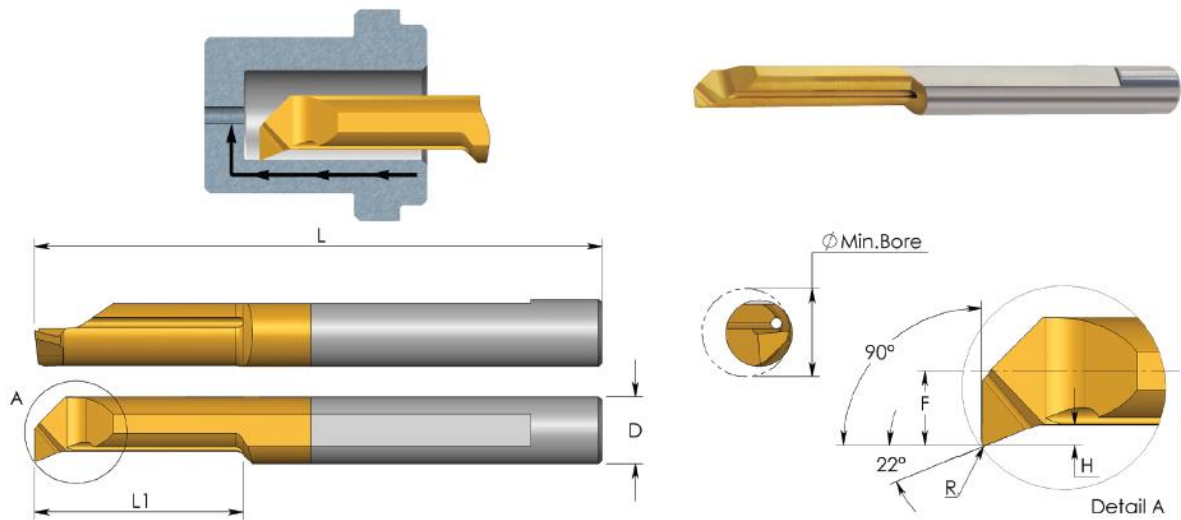
红框中新增规格，红色字体Carmex备有库存，全部新增K20、BMK材质。

MPR Bars Profiling and Boring · 公制MPR仿形和镗孔刀杆

D	Ordering Code	L	L1	R	H	F	∅ Min. Bore Dia.	Holder
5.0	MPR 5 R0.1 L22	51	22	0.10	1.2	2.1	5.1	SIM...H5
	MPR 5 R0.1 L30	76	30	0.10	1.2	2.1	5.1	
	MPR 5 R0.2 L10	51	10	0.20	1.2	2.1	5.1	
	MPR 5 R0.2 L15	51	15	0.20	1.2	2.1	5.1	
	MPR 5 R0.2 L22	51	22	0.20	1.2	2.1	5.1	
	MPR 5 R0.2 L30	76	30	0.20	1.2	2.1	5.1	
6.0	MPR 5 R0.2 L40	76	40	0.20	0.9	2.1	5.1	SIM...H6
	MPR 6 R0.2 L10	51	10	0.20	1.4	2.8	6.1	
	MPR 6 R0.2 L15	51	15	0.20	1.4	2.8	6.1	
	MPR 6 R0.2 L22	51	22	0.20	1.4	2.8	6.1	
	MPR 6 R0.2 L30	76	30	0.20	1.4	2.8	6.1	
7.0	MPR 6 R0.2 L40	76	40	0.20	1.0	2.8	6.1	SIM...H7
	MPR 7 R0.2 L22	62	22	0.20	1.5	3.3	7.1	
	MPR 7 R0.2 L30	62	30	0.20	1.5	3.3	7.1	
8.0	MPR 7 R0.2 L35	62	35	0.20	1.5	3.3	7.1	SIM...H8
	MPR 8 R0.2 L15	64	15	0.20	1.6	3.8	8.1	
	MPR 8 R0.2 L22	64	22	0.20	1.6	3.8	8.1	
10.0	MPR 8 R0.2 L35	76	35	0.20	1.6	3.8	8.1	SIM...H10
	MPR 10 R0.2 L35	73	35	0.20	2.0	4.8	10.1	

红框中新增规格，红色字体Carmex备有库存，全部新增K20、BMK材质。

MUR Bars Profiling, 90° Face Cutting 公制MUR仿形和端面加工刀杆

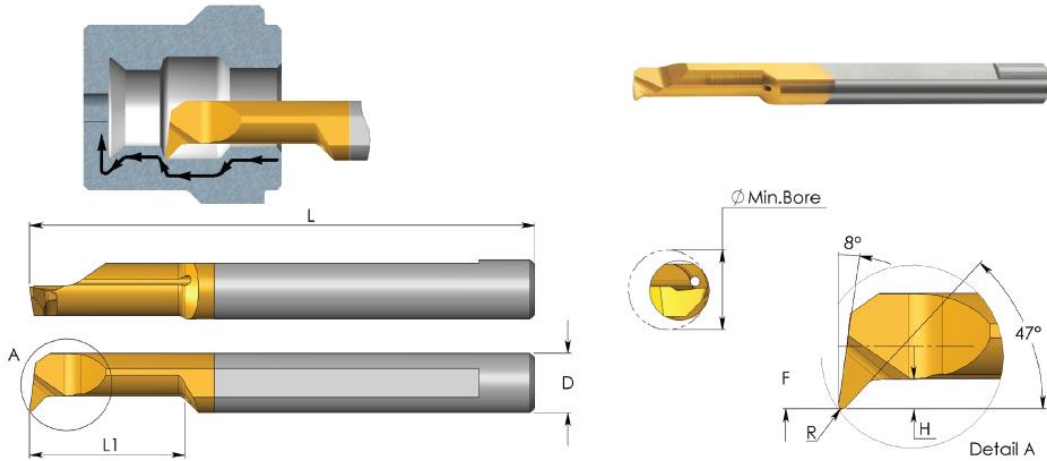


Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	H	F	∅ Min. Bore Dia.	Holder
3.0	MUR 3 R0.05 L10	39	10	0.05	0.4	1.3	3.1	SIM...H3
	MUR 3 R0.05 L15	39	15	0.05	0.4	1.3	3.1	
4.0	MUR 4 R0.1 L10	51	10	0.10	0.5	1.7	4.1	SIM...H4
	MUR 4 R0.1 L15	51	15	0.10	0.5	1.7	4.1	
5.0	MUR 5 R0.15 L15	51	15	0.15	0.7	2.1	5.1	SIM...H5
	MUR 5 R0.15 L22	51	22	0.15	0.7	2.1	5.1	
6.0	MUR 6 R0.15 L15	51	15	0.15	0.9	2.8	6.1	SIM...H6
	MUR 6 R0.15 L22	51	22	0.15	0.9	2.8	6.1	
8.0	MUR 8 R0.2 L22	64	22	0.20	1.1	3.8	8.1	SIM...H8

全部新增K20、BMK材质。

MQR Bars Profiling and Boring 公制MQR仿形和镗孔刀杆

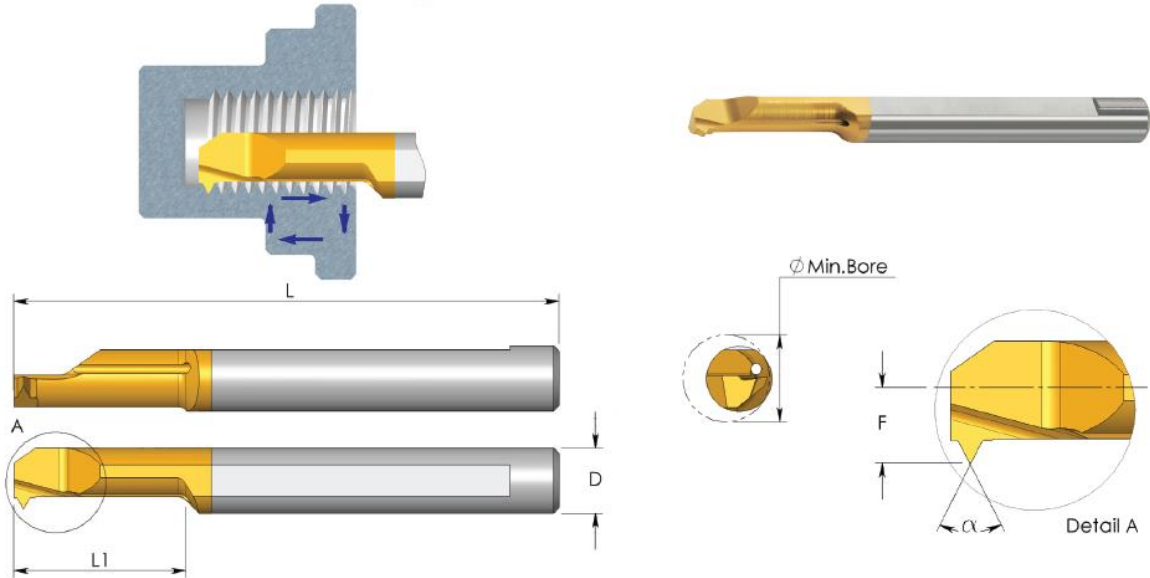


Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	H	F	∅ Min. Bore Dia.	Holder
3.0	MQR 3 R0.1 L10	39	10	0.10	0.6	1.3	3.1	SIM...H3
	MQR 3 R0.1 L15	39	15	0.10	0.6	1.3	3.1	
4.0	MQR 4 R0.1 L22	51	22	0.10	0.8	1.8	4.1	SIM...H4
	MQR 4 R0.2 L10	51	10	0.20	0.8	1.8	4.1	
	MQR 4 R0.2 L15	51	15	0.20	0.8	1.8	4.1	
	MQR 4 R0.2 L22	51	22	0.20	0.8	1.8	4.1	
5.0	MQR 5 R0.2 L15	51	15	0.20	1.0	2.3	5.1	SIM...H5
	MQR 5 R0.2 L22	51	22	0.20	1.0	2.3	5.1	
6.0	MQR 6 R0.2 L15	51	15	0.20	1.4	2.8	6.1	SIM...H6
	MQR 6 R0.2 L22	51	22	0.20	1.4	2.8	6.1	
	MQR 6 R0.2 L30	58	30	0.20	1.4	2.8	6.1	
8.0	MQR 8 R0.2 L22	64	22	0.20	1.6	3.8	8.1	SIM...H8
	MQR 8 R0.2 L27	64	27	0.20	2.0	3.8	8.1	

红框中新增3.0直径，红色字体Carmex备有库存，全部新增K20、BMK材质。

MIR Bars Threading MIR螺纹刀杆



Partial Profile 55° 范围牙

Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

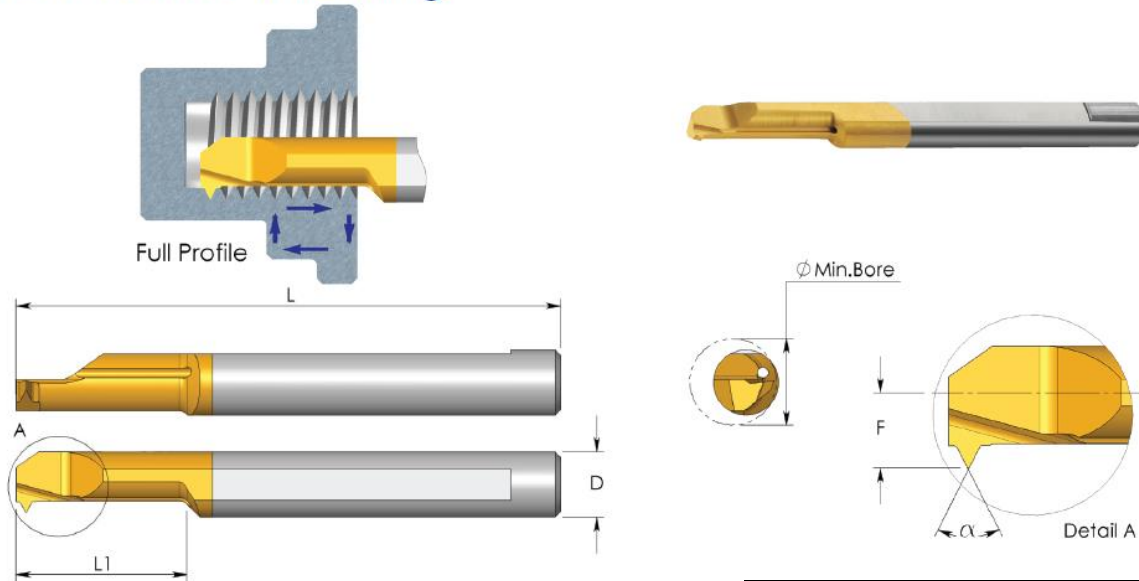
D	Ordering Code	L	L1	a	Pitch mm	range TPI	F	∅ Min. Bore Dia.	Holder
3.0	MIR 3 L15 A55	39	15	55	0.5-1.0	48-24	1.4	3.2	SIM...H3
4.0	MIR 4 L15 A55	51	15	55	0.5-1.0	48-24	1.8	4.1	SIM...H4
5.0	MIR 5 L15 A55	51	15	55	0.5-1.25	48-20	2.3	5.1	SIM...H5
	MIR 5 L22 A55	51	22	55	0.5-1.25	48-20	2.3	5.1	
6.0	MIR 6 L15 A55	51	15	55	0.5-1.5	48-16	2.6	6.0	SIM...H6
	MIR 6 L22 A55	51	22	55	0.5-1.5	48-16	2.6	6.0	

Partial Profile 60° 范围牙

D	Ordering Code	L	L1	a	Pitch mm	range TPI	F	∅ Min. Bore Dia.	Holder
3.0	MIR 1 L5 A60	39	4.8	60	0.25 - 0.35	100 - 72	0.55	1.2	SIM...H3
	MIR 1.5 L6 A60	39	6.3	60	0.35 - 0.45	72 - 56	0.65	1.4	
3.0	MIR 2 L8 A60	39	8	60	0.45 - 0.7	56 - 32	1.0	2.1	SIM...H3
3.0	MIR 3 L15 A60	39	15	60	0.7 - 1.0	32 - 24	1.4	3.2	SIM...H3
4.0	MIR 4 L17 A60	51	17	60	0.35-0.45	72-56	1.8	4.1	SIM...H4
	MIR 4 L15 A60	51	15	60	0.8 - 1.0	32 - 24	1.8	4.1	
5.0	MIR 5 L15 A60	51	15	60	1.0 - 1.25	24 - 20	2.3	5.1	SIM...H5
	MIR 5 L22 A60	51	22	60	1.0 - 1.25	24 - 20	2.3	5.1	
6.0	MIR 6 L15 A60	51	15	60	1.0 - 1.5	24 - 16	2.6	6.0	SIM...H6
	MIR 6 L22 A60	51	22	60	1.0 - 1.5	24 - 16	2.6	6.0	
8.0	MIR 8 L22 A60	64	22	60	1.0 - 2.0	24 - 13	3.6	8.0	SIM...H8

红框中新增4.0mm60° 公制范围牙0.35-0.45螺纹，全部新增K20、BMK材质，红色字体Carmex现货。

MIR Bars Threading MIR螺纹刀杆



Full Profile - ISO 60° 完整牙

Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

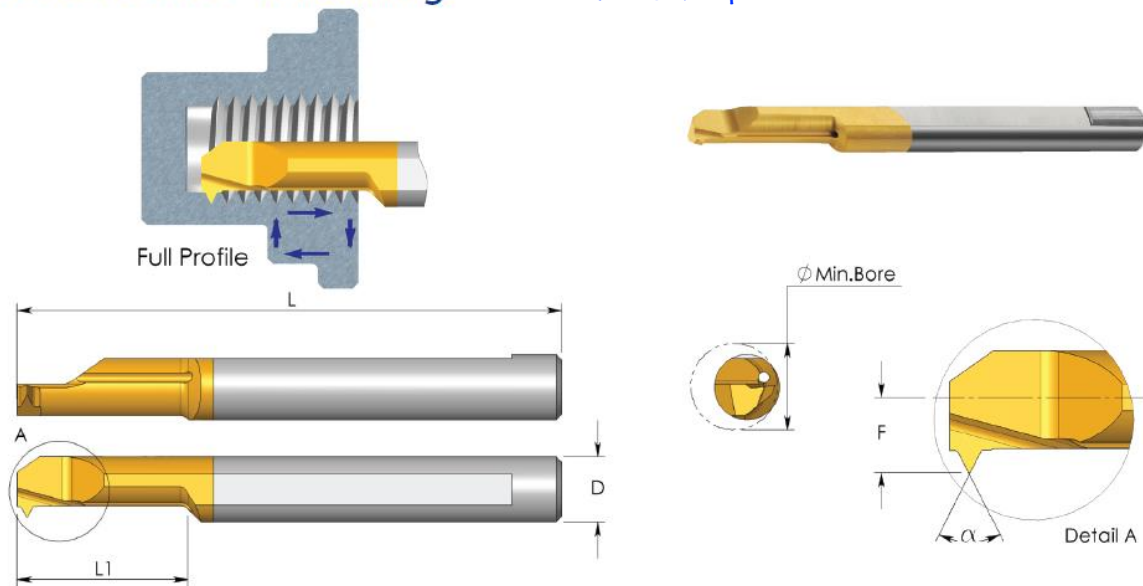
D	Ordering Code	Pitch mm	M Coarse	M Fine	L	L1	F	∅ Min. Bore Dia.	Holder
3.0	MIR 3 L10 0.5ISO	0.5	M3	M3.5	39	10	1.0	2.4	SIM...H3
3.0	MIR 3 L15 0.5 ISO	0.5		M4	39	15	1.4	3.2	SIM...H3
	MIR 3 L15 0.7ISO	0.7	M4		39	15	1.4	3.2	
	MIR 3 L15 0.75 ISO	0.75	M4.5		39	15	1.4	3.2	
4.0	MIR 4 L15 0.5 ISO	0.5		M5	51	15	1.8	4.1	SIM...H4
	MIR 4 L15 0.75 ISO	0.75		M5	51	15	1.8	4.1	
	MIR 4 L15 0.8 ISO	0.8	M5		51	15	1.8	4.1	
5.0	MIR 5 L15 1.0 ISO	1.0	M6, M7	M8	51	15	2.2	4.9	SIM...H5
6.0	MIR 6 L22 1.25 ISO	1.25	M8, M9	M10	51	22	2.8	6.1	SIM...H6
6.0	MIR 6 L22 1.5 ISO	1.5	M10, M11		51	22	2.8	6.1	SIM...H6

Full Profile - UN 60° 完整牙

D	Ordering Code	Pitch TPI	UNC	UNF	UNEF	UNS	L	L1	F	∅ Min. Bore Dia.	Holder
3.0	MIR 3 L10 32 UN	32	6				39	10	1.0	2.7	SIM...H3
3.0	MIR 3 L15 32 UN	32	8	10			39	15	1.4	3.2	SIM...H3
	MIR 3 L15 36 UN	36		8		10	39	15	1.4	3.2	
4.0	MIR 4 L15 36 UN	36				12	51	15	1.8	4.1	SIM...H4
	MIR 4 L15 32 UN	32			12		51	15	1.8	4.1	
5.0	MIR 5 L15 28 UN	28		1/4			51	15	2.2	4.9	SIM...H5
	MIR 5 L18 20 UN	20	1/4				51	18	2.3	5.0	
6.0	MIR 6 L18 24 UN	24		5/16			51	18	2.8	6.5	SIM...H6
	MIR 6 L18 18 UN	18	5/16			3/8	51	18	2.8	6.2	

红框中新增60° 公制螺纹，全部新增K20、BMK材质。

MIR Bars Threading MIR螺纹刀杆



Full Profile - MJ 60° MJ完整牙

Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

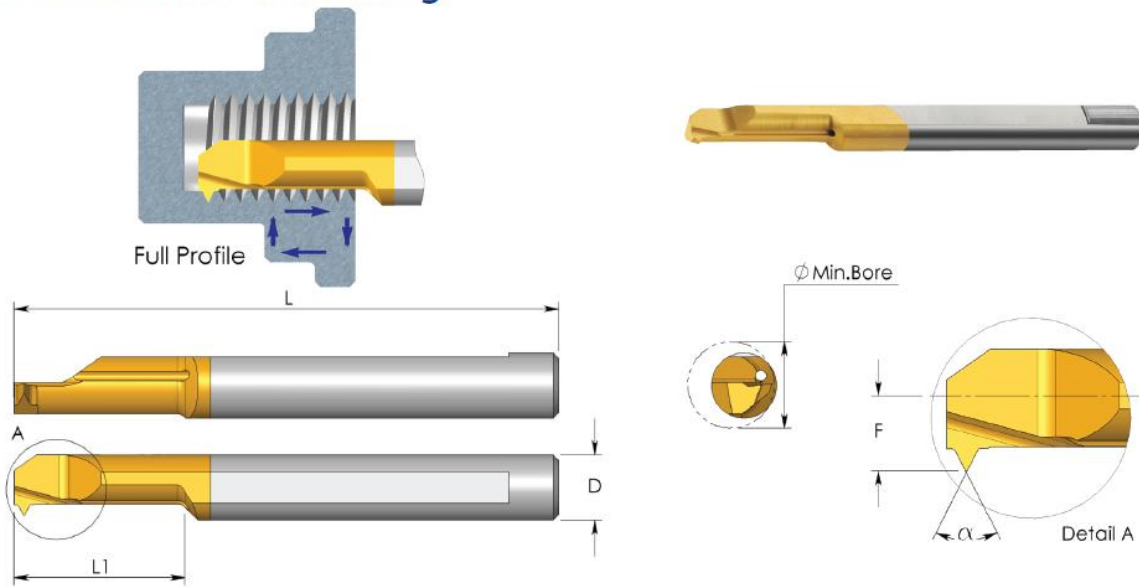
D	Ordering Code	Thread	L	L1	F	∅ Min. Bore Dia.	Holder
3.0	MIR 3 L15 0.7 MJ	MJ4x0.7	39	15	1.4	3.2	SIM...H3
4.0	MIR 4 L15 0.8 MJ	MJ5x0.8	51	15	1.8	4.1	SIM...H4
5.0	MIR 5 L15 1.0 MJ	MJ6x1.0	51	15	2.2	4.9	SIM...H5

Full Profile - UNJ 60° UNJ完整牙

D	Ordering Code	Thread	L	L1	F	∅ Min. Bore Dia.	Holder
3.0	MIR 3 L15 32 UNJ	8-32 UNJC	39	15	1.4	3.2	SIM...H3
5.0	MIR 5 L15 28 UNJ	1/4-28 UNJF	51	15	2.2	4.9	SIM...H5

红框中新增公制MJ/美制UNJ航空航天螺纹，新增K20、BMK材质。

MIR Bars Threading



Full Profile- G 55° BSP 完整牙管螺纹

Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

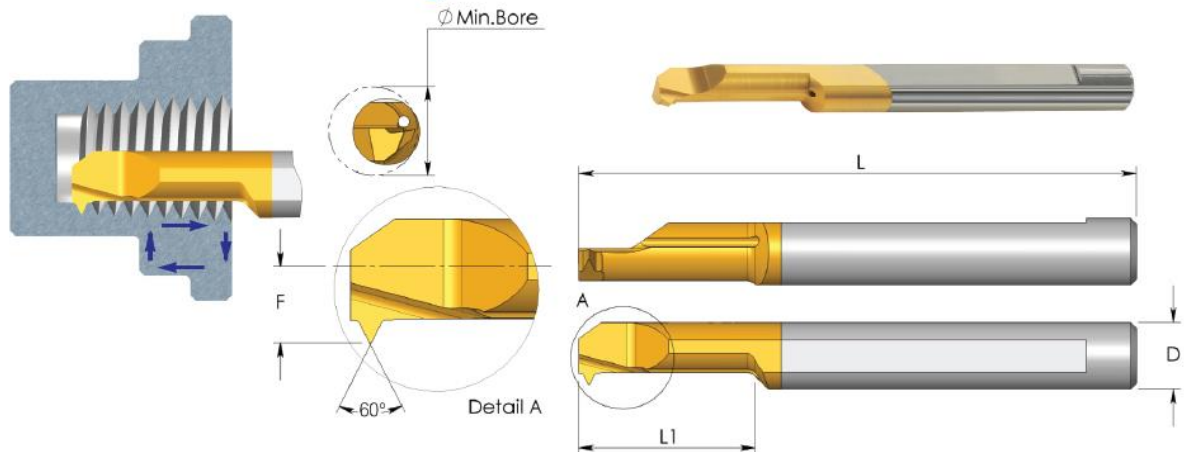
D	Ordering Code	Thread	L	L1	F	∅ Min. Bore Dia.	Holder
6.0	MIR 6 L17 28 W	1/16-28 BSP	51	17	2.8	6.5	SIM...H6
	MIR 6 L17 19 W	1/4-19 BSP	51	17	2.8	7.0	

Full Profile- Whitworth 55° BSW 完整牙惠氏螺纹

D	Ordering Code	Thread	L	L1	F	∅ Min. Bore Dia.	Holder
5.0	MIR 5 L17 20 W	1/4-20 BSW	51	17	2.0	4.7	SIM...H5

红框中新增55° BSP管螺纹和55° BSW英制标准螺纹，新增K20、BMK材质。

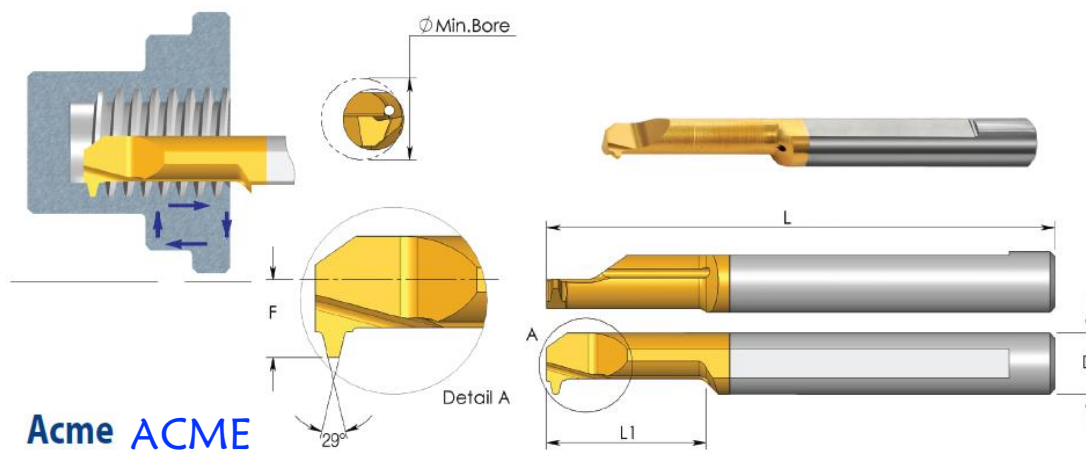
MIR Bars Threading MIR螺纹刀杆



Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

Full Profile - NPT 60° 完整牙NPT

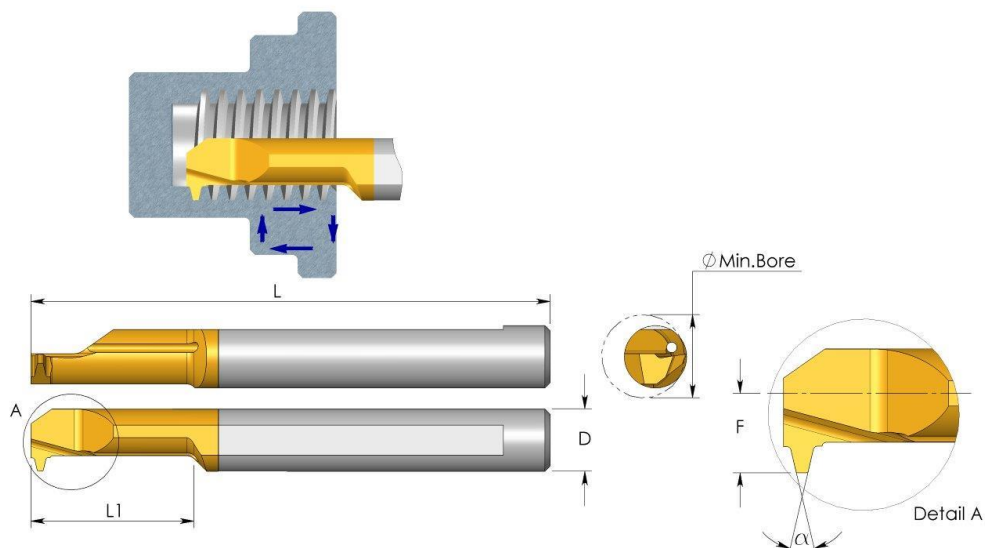
D	Ordering Code	Pitch TPI	Thread Size	L	L1	F	∅ Min. Bore Dia.	Holder
6.0	MIR 6 L15 27 NPT	27	1/16x27NPT 1/8x27NPT	51	15	2.8	5.9	SIM...H6



Acme ACME

D	Ordering Code	Pitch TPI	Thread Size	L	L1	F	α	∅ Min. Bore Dia.	Holder
4.0	MIR 4 L15 16 ACME	16	1/4x16	51	15	1.8	29	4.6	SIM...H4
6.0	MIR 6 L20 14 ACME	14	5/16x14	51	20	2.8	29	6.0	SIM...H6
7.0	MIR 7 L22 12 ACME	12	3/8x12 7/16x12	62	22	3.3	29	7.2	SIM...H7
8.0	MIR 8 L30 10 ACME	10	1/2x10	76	30	3.8	29	10.0	SIM...H8
10.0	MIR 10 L35 8 ACME	8	5/8x8	73	35	4.8	29	12.5	SIM...H10
10.0	MIR 10 L45 6 ACME	6	3/4x6 7/8x6	105	45	4.8	29	14.6	SIM...H10
10.0	MIR 10 L52 5 ACME	5	1x5	105	52	4.8	29	20.0	SIM...H10

新增K20、BMK材质。



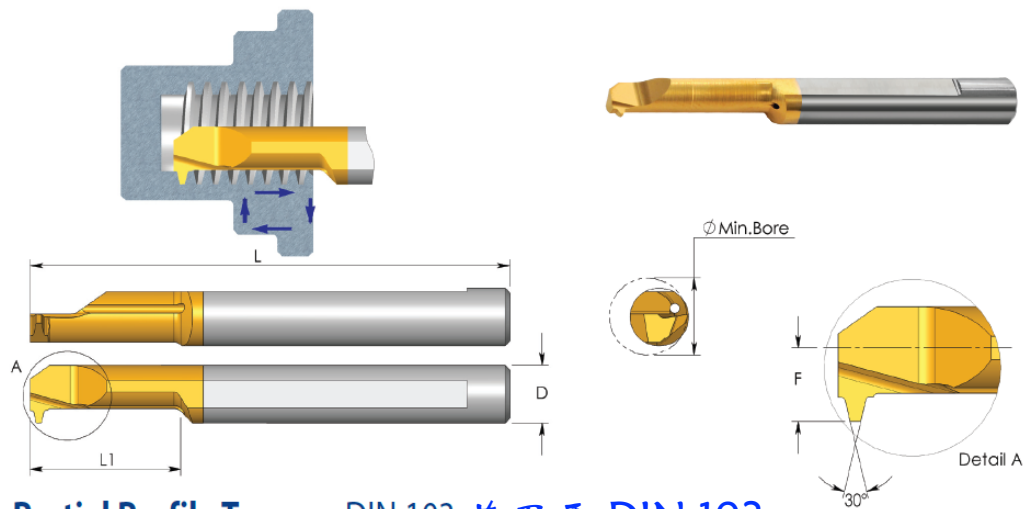
Stub Acme 短齿-ACME

Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	Pitch TPI	Thread Size	L	L1	F	α	\varnothing Min. Bore Dia.	Holder
4.0	MIR 4 L15 16 STACME	16	1/4x16	51	15	1.8	29	5.2	SIM...H4
6.0	MIR 6 L20 14 STACME	14	5/16x14	51	20	2.8	29	6.6	SIM...H6
7.0	MIR 7 L22 12 STACME	12	3/8x12 7/16x12	62	22	3.3	29	8.1	SIM...H7
8.0	MIR 8 L30 10 STACME	10	1/2x10	76	30	3.8	29	11.0	SIM...H8
10.0	MIR 10 L35 8 STACME	8	5/8x8	73	35	4.8	29	13.8	SIM...H10
10.0	MIR 10 L45 6 STACME	6	3/4x6 7/8x6	105	45	4.8	29	16.3	SIM...H10

红框中全部规格新增短齿 (STACME)，红色字体Carmex备有库存，新增K20、BMK材质。

MIR Bars Threading MIR螺纹刀杆DIN 103梯形螺纹



Partial Profile Trapez - DIN 103 范围牙-DIN 103

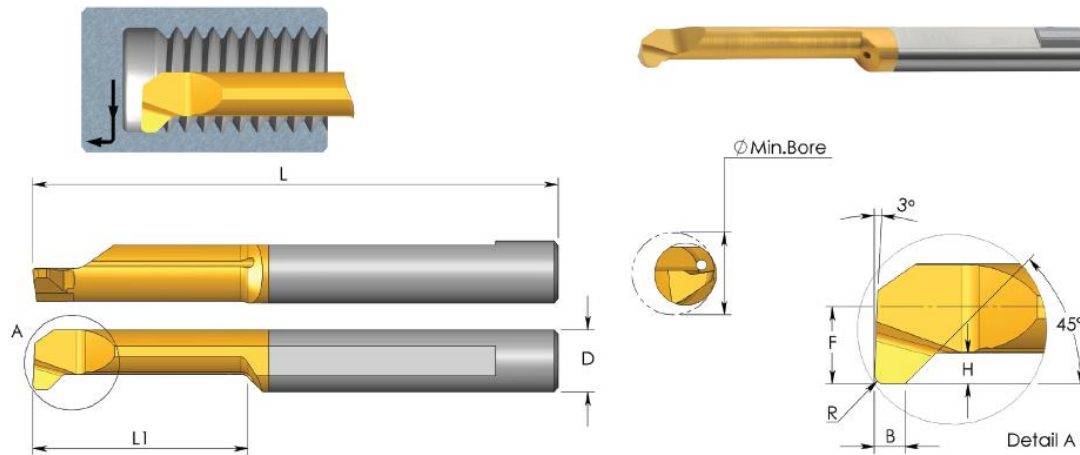
Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	Pitch mm	Thread Size	L	L1	F	a	Ø Min. Bore Dia.	Holder
6.0	MIR 6 L22 1.5 TR	1.5	Tr8x1.5 Tr9x1.5 Tr10x1.5	51	22	2.8	30	6.4	SIM...H6
7.0	MIR 7 L25 2 TR	2	Tr9x2 Tr10x2 Tr11x2 Tr12x2	62	25	3.2	30	6.9	SIM...H7
10.0	MIR 10 L35 2 TR	2	Tr14x2 Tr16x2 Tr18x2 Tr20x2	73	35	4.8	30	11.0	SIM...H10
7.0	MIR 7 L35 3 TR	3	Tr11x3 Tr12x3	62	35	3.3	30	7.5	SIM...H7
10.0	MIR 10 L35 3 TR	3	Tr14x3 Tr22x3 Tr24x3 Tr26x3 Tr28x3	73	35	4.8	30	10.5	SIM...H10
10.0	MIR 10 L45 4 TR	4	Tr16x4 Tr18x4 Tr20x4	105	45	4.8	30	11.5	SIM...H10
10.0	MIR 10 L55 5 TR	5	Tr22x5 Tr24x5 Tr28x5	105	55	4.8	30	11.0	SIM...H10

新增K20、BMK材质。

MDR Bars Thread Relief, Chamfering and Grooving

MDR螺纹退刀槽、倒角、切槽

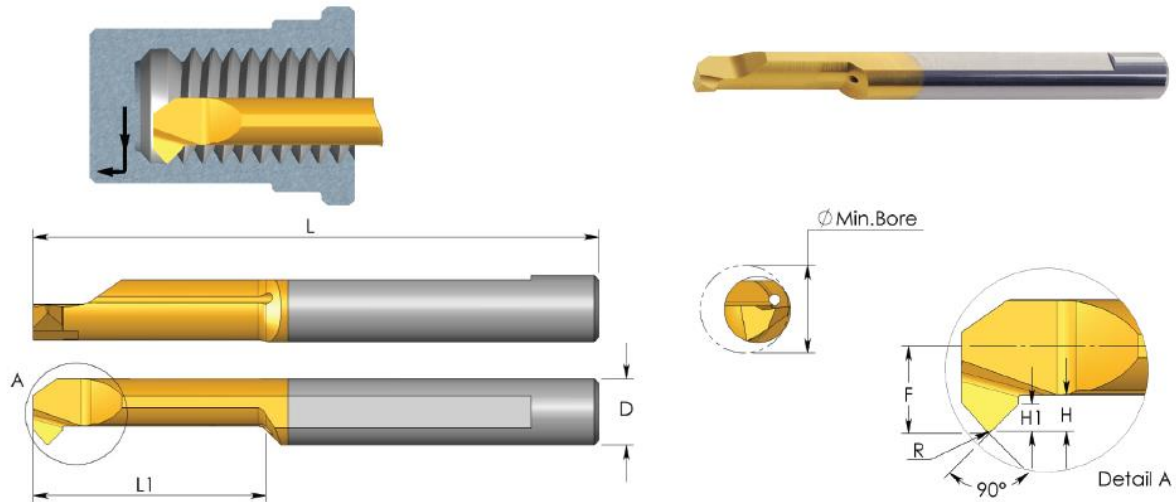


Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	B	R	H	F	∅ Min. Bore Dia.	Holder
4.0	MDR 4 R0.5 L18	51	18	1.5	0.5	0.8	1.8	4.1	SIM...H4
5.0	MDR 5 R0.5 L24	51	24	1.5	0.5	1.2	2.3	5.1	SIM...H5
6.0	MDR 6 R0.5 L27	58	27	1.5	0.5	1.4	2.8	6.1	SIM...H6

新增K20、BMK材质。

MCR Bars Chamfering and Boring MCR倒角、镗孔

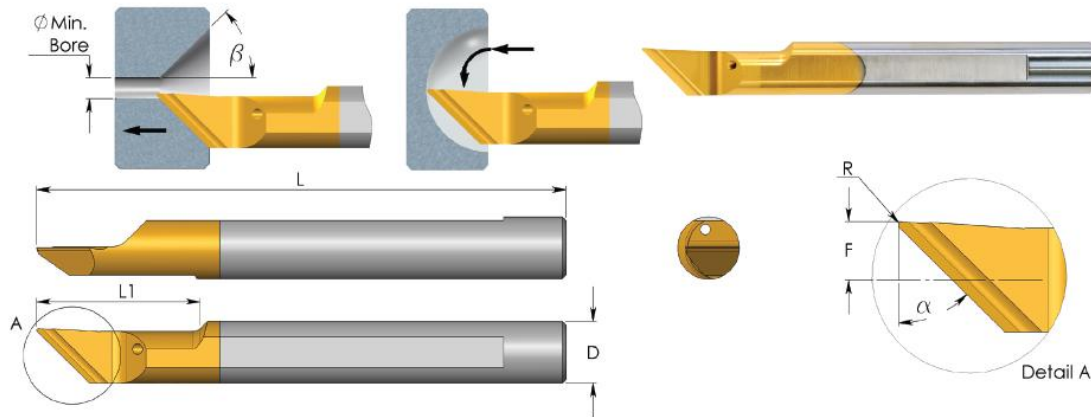


Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	H	H1	F	∅ Min. Bore Dia.	Holder
3.0	MCR 3 R0.2 L10	39	10	0.2	0.7	0.3	1.3	3.1	SIM...H3
4.0	MCR 4 R0.2 L15	51	15	0.2	0.8	0.4	1.7	4.1	SIM...H4
5.0	MCR 5 R0.2 L15	51	15	0.2	1.2	0.7	2.1	5.1	SIM...H5
6.0	MCR 6 R0.2 L15	51	15	0.2	1.4	0.7	2.8	6.1	SIM...H6
7.0	MCR 7 R0.2 L20	62	20	0.2	1.5	0.8	3.3	7.1	SIM...H7

新增K20、BMK材质。

MWR Bars Chamfering and Profiling MWR倒角和仿形



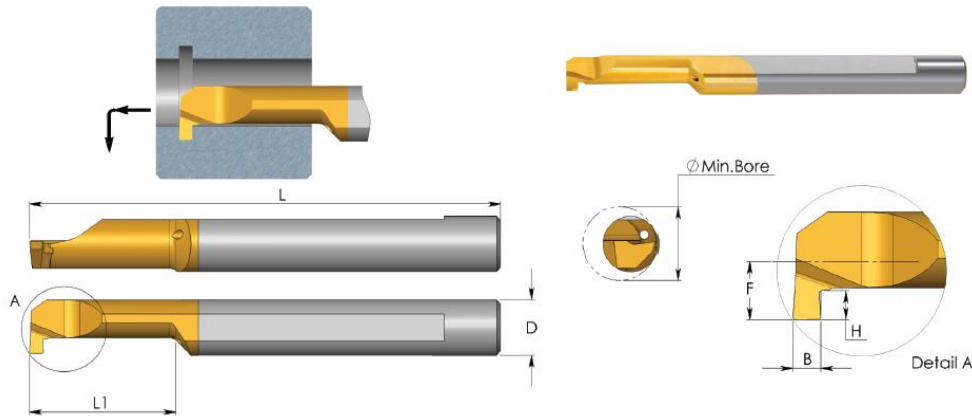
Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	α	β	F	\varnothing Min. Bore Dia.	Holder
6.0	MWR 6 R0.2 A90	51	15.0	0.2	45°	45°	2.3	1.0	SIM...H6
	MWR 6 R0.2 A60	51	15.0	0.2	60°	30°	2.3	1.0	
6.0	* MWR 6 R0.4 A90	51	22.0	0.4	45°	45°	2.3	6.0	SIM...H6
	* MWR 6 R0.4 A60	51	22.0	0.4	60°	30°	2.3	6.0	

*Can be used also for boring *可以用于通孔

新增K20、BMK材质。

MGR Bars Grooving MGR内槽



Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	B		H	F	Ø Min. Bore Dia.	Holder
				mm	inch				
4.0	MGR 2 B0.5 L10	51	10	0.5		0.5	0.9	2.1	SIM...H4
3.0	MGR 3 B0.5 L10	39	10	0.5		0.5	1.3	3.1	SIM...H3
	MGR 3 B0.7 L10	39	10	0.7		0.6	1.3	3.1	
4.0	MGR 4 B0.5 L10	51	10	0.5		0.5	1.7	4.1	SIM...H4
	MGR 4 B0.5 L15	51	15	0.5		0.5	1.7	4.1	
	MGR 4 B0.7 L10	51	10	0.7		0.6	1.7	4.1	
	MGR 4 B0.79 L15	51	15	0.79	1/32	0.9	1.7	4.1	
	MGR 4 B0.79 L22	51	22	0.79	1/32	0.9	1.7	4.1	
	MGR 4 B1.0 L10	51	10	1.0		1.0	1.7	4.1	
	MGR 4 B1.0 L15	51	15	1.0		1.0	1.7	4.1	
	MGR 4 B1.0 L22	51	22	1.0		1.0	1.7	4.1	
	MGR 4 B1.5 L10	51	10	1.5		1.0	1.7	4.1	
	MGR 4 B1.5 L15	51	15	1.5		1.0	1.7	4.1	
5.0	MGR 5 B0.79 L15	51	15	0.79	1/32	1.0	2.3	5.1	SIM...H5
	MGR 5 B0.79 L22	51	22	0.79	1/32	1.0	2.3	5.1	
	MGR 5 B1.0 L15	51	15	1.0		1.2	2.3	5.1	
	MGR 5 B1.0 L22	51	22	1.0		1.2	2.3	5.1	
	MGR 5 B1.19 L15	51	15	1.19	3/64	1.2	2.3	5.1	
	MGR 5 B1.19 L22	51	22	1.19	3/64	1.2	2.3	5.1	
	MGR 5 B1.5 L15	51	15	1.5		1.2	2.3	5.1	
	MGR 5 B1.5 L22	51	22	1.5		1.2	2.3	5.1	
	MGR 5 B1.59 L15	51	15	1.59	1/16	1.2	2.3	5.1	
	MGR 5 B1.59 L22	51	22	1.59	1/16	1.2	2.3	5.1	
5.0	MGR 5 B2.0 L15	51	15	2.0		1.2	2.3	5.1	SIM...H5
	MGR 5 B2.0 L22	51	22	2.0		1.2	2.3	5.1	

Tolerance: B±0.025
B 公差±0.025mm

表中红框栏为新增产品,红色字体Carmex
备有库存,全部新增K20、BMK材质。

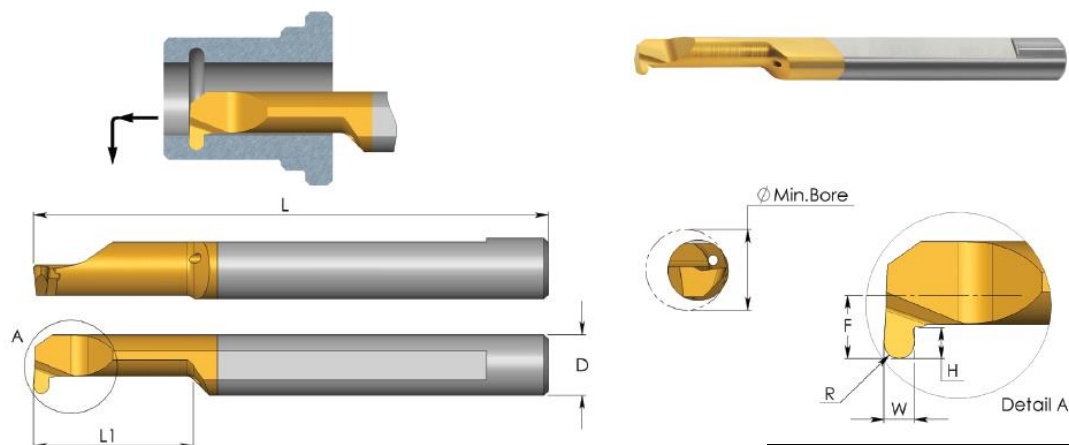
MGR Bars Grooving · MGR内槽

D	Ordering Code	L	B	B		H	F	Ø Min. Bore Dia.	Holder
				mm	inch				
6.0	MGR 6 B1.0 L15	51	15	1.0		1.4	2.8	6.1	SIM...H6
	MGR 6 B1.0 L22	51	22	1.0		1.4	2.8	6.1	
	MGR 6 B1.5 L15	51	15	1.5		1.4	2.8	6.1	
	MGR 6 B1.5 L22	51	22	1.5		1.4	2.8	6.1	
	MGR 6 B2.0 L15	51	15	2.0		1.4	2.8	6.1	
	MGR 6 B2.0 L22	51	22	2.0		1.4	2.8	6.1	
6.0	MGR 6 B0.79 L17	51	17	0.79	1/32	1.8	2.8	6.1	SIM...H6
	MGR 6 B0.79 L23	51	23	0.79	1/32	1.8	2.8	6.1	
	MGR 6 B1.0 L17	51	17	1.0		1.8	2.8	6.1	
	MGR 6 B1.19 L17	51	17	1.19	3/64	1.8	2.8	6.1	
	MGR 6 B1.19 L23	51	23	1.19	3/64	1.8	2.8	6.1	
	MGR 6 B1.5 L17	51	17	1.5		1.8	2.8	6.1	
	MGR 6 B1.5 L23	51	23	1.5		1.8	2.8	6.1	
	MGR 6 B1.59 L17	51	17	1.59	1/16	1.8	2.8	6.1	
	MGR 6 B1.59 L23	51	23	1.59	1/16	1.8	2.8	6.1	
	MGR 6 B2.0 L17	51	17	2.0		1.8	2.8	6.1	
MGR 6 B2.0 L23	51	23	2.0		1.8	2.8	6.1		
7.0	MGR 7 B1.0 L15	62	15	1.0		2.5	3.3	7.1	SIM...H7
	MGR 7 B1.0 L22	62	22	1.0		2.5	3.3	7.1	
	MGR 7 B1.0 L30	62	30	1.0		2.5	3.3	7.1	
	MGR 7 B1.19 L22	62	22	1.19	3/64	2.5	3.3	7.1	
	MGR 7 B1.19 L30	62	30	1.19	3/64	2.5	3.3	7.1	
	MGR 7 B1.5 L15	62	15	1.5		2.5	3.3	7.1	
	MGR 7 B1.5 L22	62	22	1.5		2.5	3.3	7.1	
	MGR 7 B1.5 L30	62	30	1.5		2.5	3.3	7.1	
	MGR 7 B1.59 L22	62	22	1.59	1/16	2.5	3.3	7.1	
	MGR 7 B1.59 L30	62	30	1.59	1/16	2.5	3.3	7.1	
	MGR 7 B2.0 L15	62	15	2.0		2.5	3.3	7.1	
	MGR 7 B2.0 L22	62	22	2.0		2.5	3.3	7.1	
MGR 7 B2.0 L30	62	30	2.0		2.5	3.3	7.1		
8.0	MGR 8 B1.0 L22	64	22	1.0		1.7	3.8	8.1	SIM...H8
	MGR 8 B1.5 L22	64	22	1.5		1.7	3.8	8.1	
	MGR 8 B2.0 L15	64	15	2.0		2.6	3.8	8.1	
	MGR 8 B2.0 L22	64	22	2.0		2.6	3.8	8.1	
	MGR 8 B2.38 L15	64	15	2.38	3/32	2.6	3.8	8.1	
	MGR 8 B2.38 L22	64	22	2.38	3/32	2.6	3.8	8.1	

Tolerance: B±0.025
B 公差±0.025mm

表中红框栏为新增产品,红色字体Carmex
备有库存。全部新增K20、BMK材质。

MKR Bars Full Radius Grooving MKR 内R槽

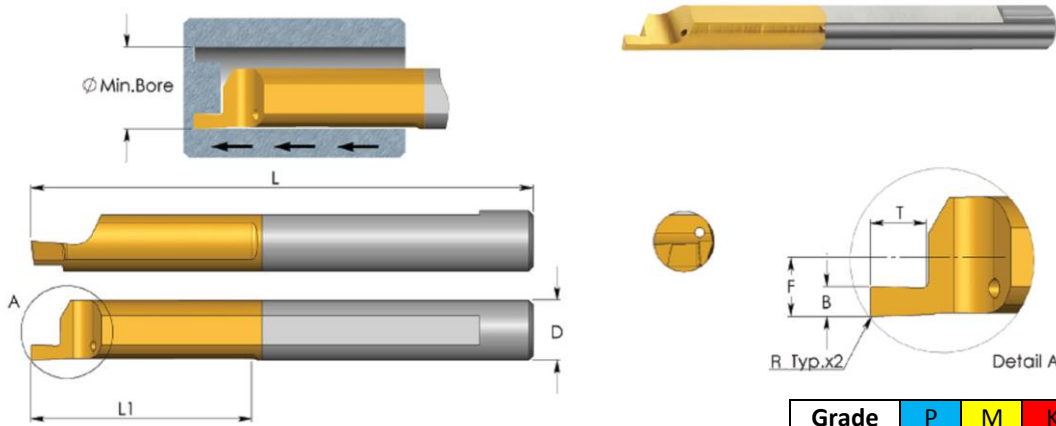


Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	W	H	F	Ø Min. Bore Dia.	Holder
4.0	MKR 4 R0.5 L10	51	10	0.50	1.0	1.0	1.7	4.1	SIM...H4
	MKR 4 R0.5 L15	51	15	0.50	1.0	1.0	1.7	4.1	
	MKR 4 R0.75 L10	51	10	0.75	1.5	1.0	1.7	4.1	
5.0	MKR 5 R0.5 L15	51	15	0.50	1.0	1.2	2.3	5.1	SIM...H5
	MKR 5 R0.75 L15	51	15	0.75	1.5	1.2	2.3	5.1	
	MKR 5 R1.0 L15	51	15	1.00	2.0	1.2	2.3	5.1	
6.0	MKR 5 R1.0 L22	51	22	1.00	2.0	1.2	2.3	5.1	SIM...H6
	MKR 6 R0.5 L15	51	15	0.50	1.0	1.6	2.8	6.1	
	MKR 6 R0.75 L15	51	15	0.75	1.5	1.6	2.8	6.1	
	MKR 6 R1.0 L15	51	15	1.00	2.0	1.6	2.8	6.1	
7.0	MKR 6 R1.0 L23	51	23	1.00	2.0	1.8	2.8	6.1	SIM...H7
	MKR 7 R0.5 L22	62	22	0.50	1.0	2.5	3.3	7.1	
	MKR 7 R0.75 L22	62	22	0.75	1.5	2.5	3.3	7.1	
	MKR 7 R1.0 L22	62	22	1.00	2.0	2.5	3.3	7.1	

表中红框栏为新增产品，全部新增K20、BMK材质。

MFR Bars Face Grooving MFR内孔端面槽

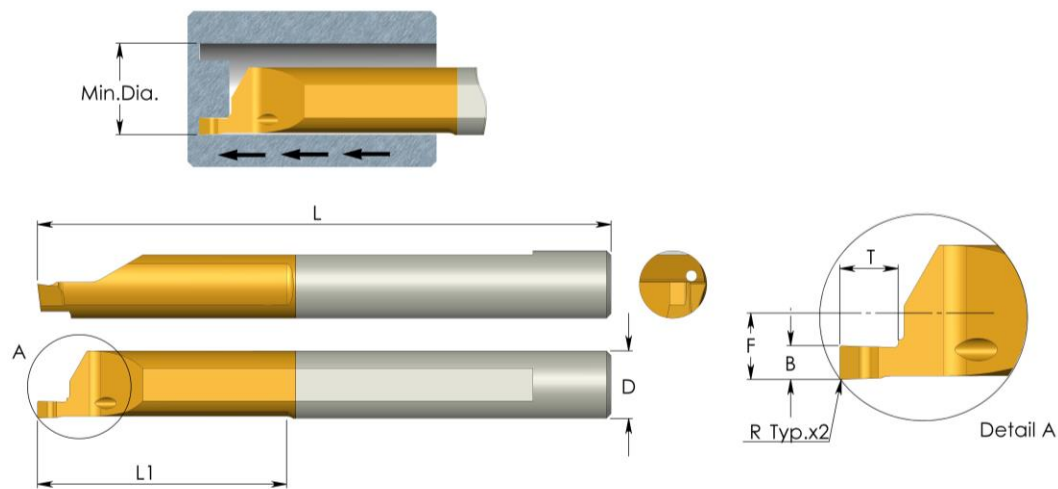


Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	B	T	F	Ø Min. Bore Dia.	Holder
4.0	MFR 4 B0.5 L15	51	15	0.05	0.5	1.2	1.95	5.0	SIM...H4
	MFR 4 B0.75 L15	51	15	0.1	0.75	1.2	1.95	5.0	
	MFR 4 B1.0 L15	51	15	0.1	1.0	1.5	1.95	5.0	
	MFR 4 B1.5 L15	51	15	0.1	1.5	2.8	1.95	5.0	
	MFR 4 B1.5 L17	51	17	0.1	1.5	3.5	1.95	5.0	
	MFR 4 B2.0 L17	51	17	0.1	2.0	5.0	1.95	5.0	
5.0	MFR 5 B0.5 L22	51	22	0.05	0.5	1.2	2.45	5.0	SIM...H5
	MFR 5 B0.75 L22	51	22	0.1	0.75	1.2	2.45	6.0	
	MFR 5 B1.0 L22	51	22	0.1	1.0	1.5	2.45	6.0	
	MFR 5 B1.0 L23	51	23	0.1	1.0	2.5	2.45	6.0	
	MFR 5 B1.5 L22	51	22	0.1	1.5	2.5	2.45	6.0	
	MFR 5 B1.5 L23	51	23	0.1	1.5	3.5	2.45	6.0	
	MFR 5 B2.0 L22	51	22	0.1	2.0	3.8	2.45	6.0	
	MFR 5 B2.0 L23	51	23	0.1	2.0	5.0	2.45	6.0	
6.0	MFR 6 B1.0 L22	51	22	0.1	1.0	1.5	2.95	8.0	SIM...H6
	MFR 6 B1.5 L22	51	22	0.1	1.5	2.5	2.95	8.0	
	MFR 6 B2.0 L22	51	22	0.1	2.0	3.0	2.95	8.0	
	MFR 6 B2.5 L22	51	22	0.1	2.5	4.8	2.95	8.0	
	MFR 6 B3.0 L30	58	30	0.1	3.0	6.0	2.95	8.0	
8.0	MFR 8 B2.5 L22	64	22	0.1	2.5	3.5	3.95	10.0	SIM...H8

表中红框栏为新增产品，全部新增K20、BMK材质。

MFR Bars face grooving with chip former MFR内端面槽带卷屑槽

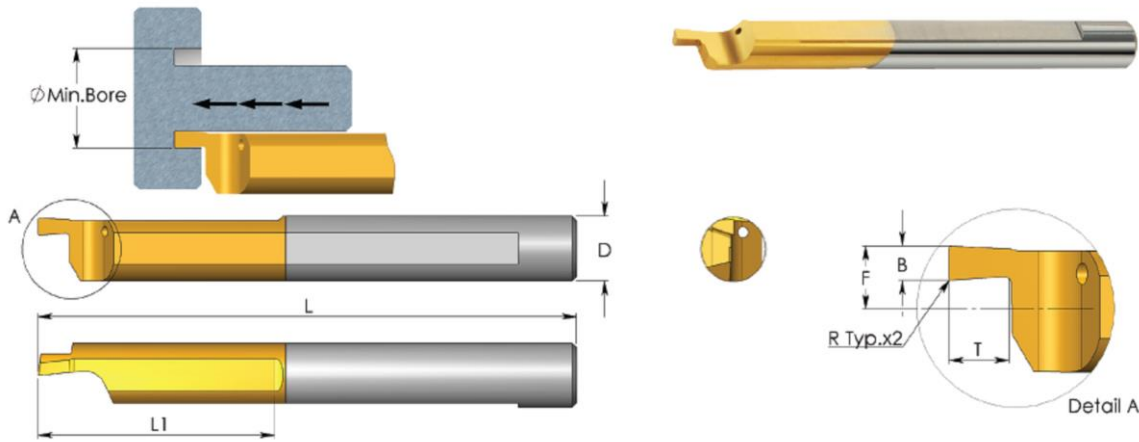


Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	B	T	F	∅ Min. Bore Dia.	Holder
4.0	MFR 4 B1.5 L15-C	51	15	0.1	1.5	2.8	1.95	5.0	SIM...H4
5.0	MFR 5 B1.5 L22-C	51	22	0.1	1.5	2.5	2.45	6.0	SIM...H5
	MFR 5 B2.0 L22-C	51	22	0.1	2.0	3.8	2.45	6.0	
6.0	MFR 6 B1.5 L22-C	51	22	0.1	1.5	2.5	2.95	8.0	SIM...H6
	MFR 6 B2.0 L22-C	51	22	0.1	2.0	3.0	2.95	8.0	
	MFR 6 B3.0 L22-C	51	22	0.1	3.0	6.0	2.95	8.0	

表中红框栏为新增产品，红色字体Carmex备有库存。全部新增K20、BMK材质。

MFL Bars Face Grooving MFL端面槽刀



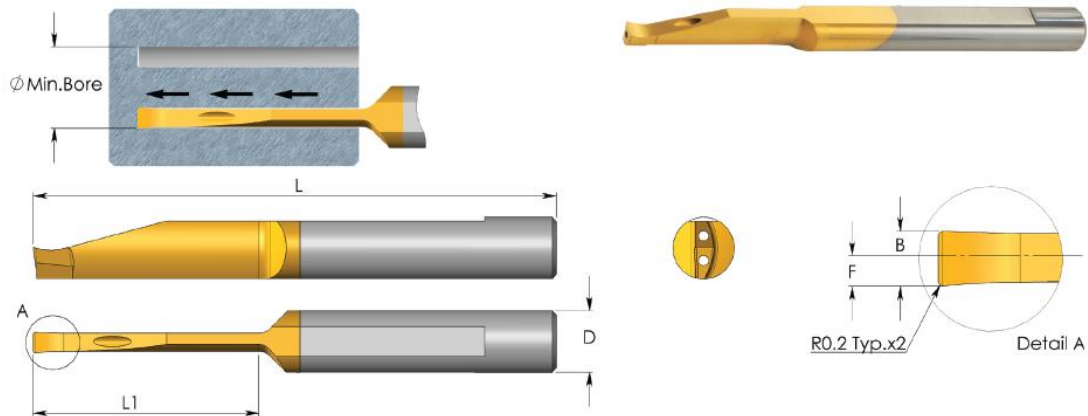
Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	B	T	F	Ø Min. Bore Dia.	Holder
4.0	MFL 4 B0.5 L15	51	15	0.05	0.5	1.2	1.75	5.0	SIM...H4
	MFL 4 B0.75 L15	51	15	0.1	0.75	1.2	1.75	5.0	
	MFL 4 B1.0 L15	51	15	0.1	1.0	1.5	1.75	5.0	
	MFL 4 B1.5 L15	51	15	0.1	1.5	2.8	1.75	5.0	
	MFL 4 B1.5 L17	51	17	0.1	1.5	3.5	1.75	5.0	
	MFL 4 B2.0 L17	51	17	0.1	2.0	5.0	1.75	5.0	
5.0	MFL 5 B0.5 L22	51	22	0.05	0.5	1.2	2.25	6.0	SIM...H5
	MFL 5 B0.75 L22	51	22	0.1	0.75	1.2	2.25	6.0	
	MFL 5 B1.0 L22	51	22	0.1	1.0	1.5	2.25	6.0	
	MFL 5 B1.0 L23	51	23	0.1	1.0	2.5	2.25	6.0	
	MFL 5 B1.5 L22	51	22	0.1	1.5	2.5	2.25	6.0	
	MFL 5 B1.5 L23	51	23	0.1	1.5	3.5	2.25	6.0	
	MFL 5 B2.0 L22	51	22	0.1	2.0	3.8	2.25	6.0	
	MFL 5 B2.0 L23	51	23	0.1	2.0	5.0	2.25	6.0	
6.0	MFL 6 B1.0 L22	51	22	0.1	1.0	1.5	2.75	8.0	SIM...H6
	MFL 6 B1.5 L22	51	22	0.1	1.5	2.5	2.75	8.0	
	MFL 6 B2.0 L22	51	22	0.1	2.0	3.0	2.75	8.0	
	MFL 6 B2.5 L22	51	22	0.1	2.5	4.8	2.75	8.0	
	MFL 6 B3.0 L30	58	30	0.1	3.0	6.0	2.75	8.0	
8.0	MFL 8 B2.5 L22	64	22	0.1	2.5	3.5	3.75	10.0	SIM...H8

表中红框栏为新增产品，全部新增K20、BMK材质。

MVR Bars Deep Face Grooving - with 2 Coolant Bores

MVR深端面槽，带2个冷却孔

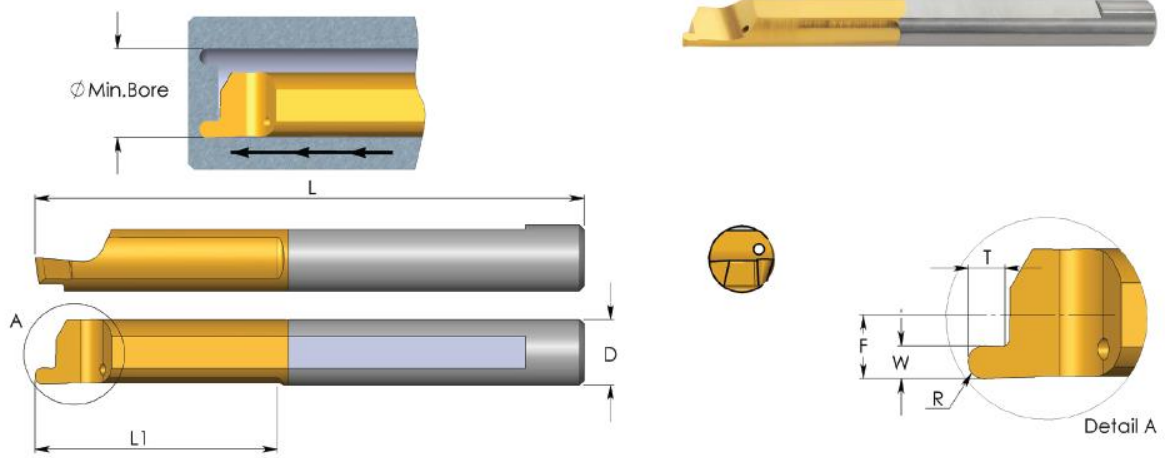


Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	B	F	∅ Min. Bore Dia.	Holder
6.0	MVR 6 B2.0 L10	64	10	2.0	1.1	10.0	SIM...H6
	MVR 6 B2.0 L15	64	15	2.0	1.1	12.0	
	MVR 6 B2.0 L22	64	22	2.0	1.1	12.0	
	MVR 6 B2.5 L15	64	15	2.5	1.4	10.0	
	MVR 6 B2.5 L22	64	22	2.5	1.4	12.0	
	MVR 6 B3.0 L22	64	22	3.0	1.6	10.0	
8.0	MVR 8 B3.0 L27	64	27	3.0	1.6	15.0	SIM...H8
	MVR 8 B3.0 L43	80	43	3.0	1.6	15.0	
8.0	MVR 8 B4.0 L43	80	43	4.0	2.1	20.0	SIM...H8

表中红框栏为新增产品，全部新增K20、BMK材质。

MZR Bars Face Grooving MZR内R端面槽

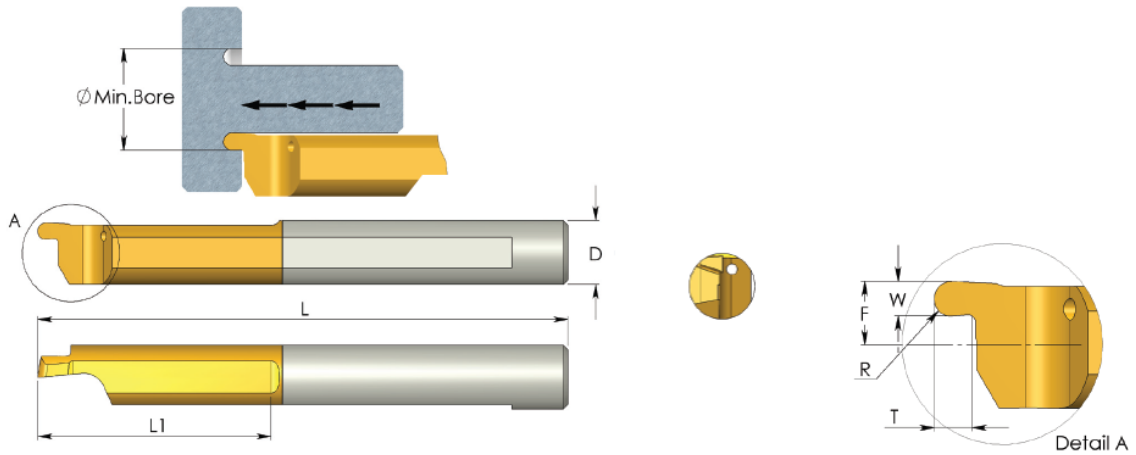


Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	W	T	F	Ø Min. Bore Dia.	Holder
4.0	MZR 4 R0.5 L15	51	15	0.50	1.0	1.2	1.95	5.0	SIM...H4
	MZR 4 R0.75 L15	51	15	0.75	1.5	1.5	1.95	5.0	
5.0	MZR 5 R0.5 L22	51	22	0.50	1.0	1.2	2.45	6.0	SIM...H5
	MZR 5 R0.75 L22	51	22	0.75	1.5	1.5	2.45	6.0	
	MZR 5 R1.0 L22	51	22	1.00	2.0	2.5	2.45	6.0	
6.0	MZR 6 R0.5 L22	51	22	0.50	1.0	1.2	2.95	8.0	SIM...H6
	MZR 6 R0.75 L22	51	22	0.75	1.5	1.5	2.95	8.0	
	MZR 6 R1.0 L22	51	22	1.00	2.0	2.5	2.95	8.0	

全部新增K20、BMK材质。

MZL Bars Face Grooving MZL端面槽



Grade	P	M	K	N	S	H
K20		○	○	●	○	
BXC	●	●	●	○	●	●
BMK	●	●	●	○	●	●

D	Ordering Code	L	L1	R	W	T	F	\varnothing Min. Bore Dia.	Holder
4.0	MZL 4 R0.5 L15	51	15	0.50	1.0	1.2	1.75	5.0	SIM...H4
	MZL 4 R0.75 L15	51	15	0.75	1.5	1.5	1.75	5.0	
5.0	MZL 5 R0.5 L22	51	22	0.50	1.0	1.2	2.25	6.0	SIM...H5
	MZL 5 R0.75 L22	51	22	0.75	1.5	1.5	2.25	6.0	
	MZL 5 R1.0 L22	51	22	1.00	2.0	2.5	2.25	6.0	
6.0	MZL 6 R0.5 L22	51	22	0.50	1.0	1.2	2.75	8.0	SIM...H6
	MZL 6 R0.75 L22	51	22	0.75	1.5	1.5	2.75	8.0	
	MZL 6 R1.0 L22	51	22	1.00	2.0	2.5	2.75	8.0	

全部新增K20、BMK材质。