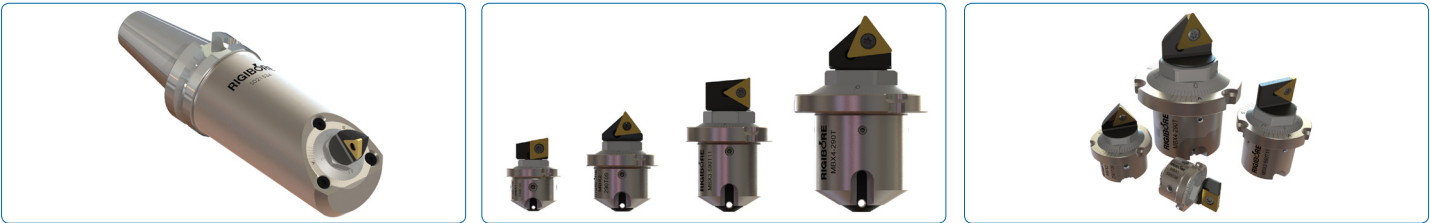


MBX Units

Accuracy through rigidity
for fine-finishing

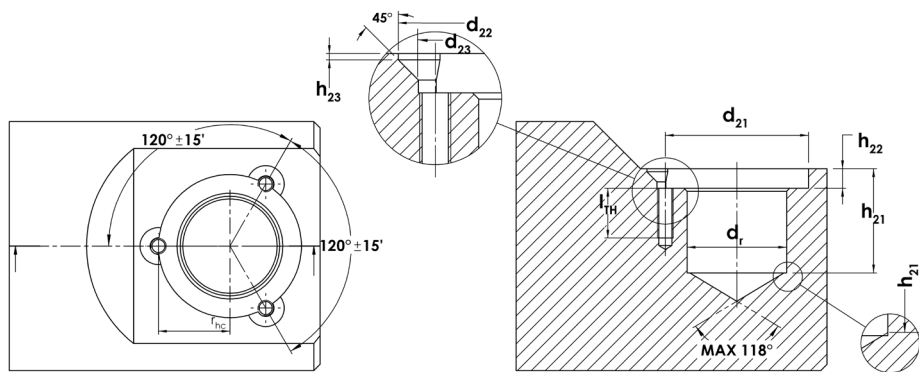
Features

- These units are designed for building into boring tools
- The units are pre-tensioned, eliminating backlash and adjustment is made from the front only
- Each graduation on the adjustment dial is 0.005 /0.0002" on radius
- Each vernier graduation on the bush is 0.001 mm/.0004" on radius



Rigibore ‘MBX’ Units - Technical Specification

Rigibore ‘MBX’ Units - Mounting Dimensions



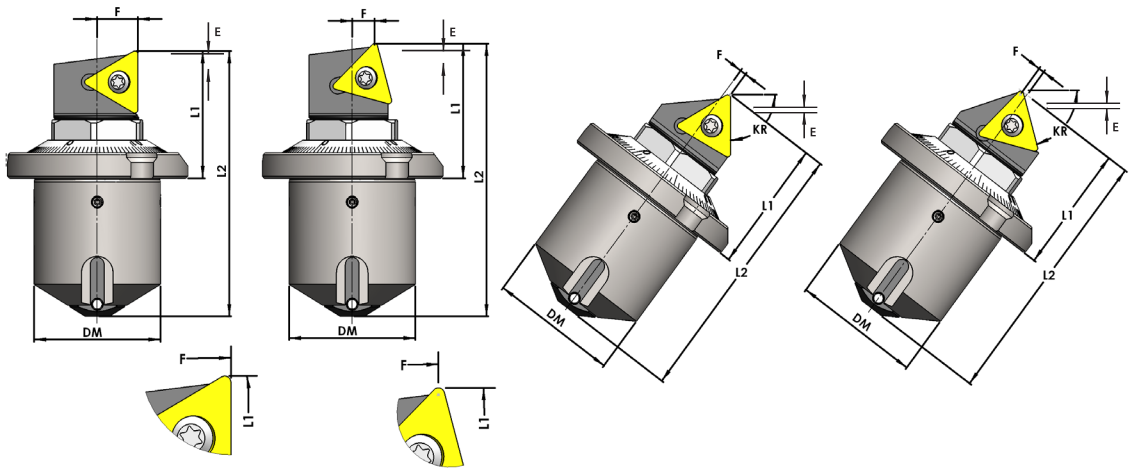
T Style Insert	C Style Insert	d,H7	d ₂₁ ¹	d ₂₂ ¹	d ₂₃	h ₂₁ ²	h ₂₂	h ₂₃ ¹	L _{TH}	r _{bc}	T _h
06	06	16	19	4.6	3.2	11.5	2.8	1.6	9	9.65+/-0.02	M3
09		20	25			15.5	4			12.5+/-0.05	
11		22	30	6.5	4.3	24	5	1.8	13	15.4+/-0.05	M4
16		32	46	11.9	5.4	33	6.3	-	16	23+/-0.05	M5

Rigibore ‘MBX’ Units - Spares and Accessories

Size	Insert	Insert Screw	Retaining Screw and Wrench Kit	Adjusting Spanner	Torx Wrench	Torx Driver
MBX1	CC..0602	RS2560	BTR001/10/3	MBS2160	R37	R37D
	TC..06T1	RS2045		MBS2161	R27	R27D
MBX2	TC..0902	RS2263			R37	R37D
MBX3	TC..1102	RS2560	BTR001/7/3	MBS2162		
MBX4	TC..16T3	RS4084	BTR001/8/3	MBS2163	R77	R77D

Rigibore ‘MBX’ Units – Straight & Angular

RIGHT HAND VERSION - Shown



	Entering Angle KR	Insert type	Ordering code	DM	F1 ¹	L1 ²	L1 ³	L2	D MIN ⁴	E MAX
	90°	CC..060204	MBX1-590C06	16	5.10	13.20	13.30	25.10	27.00	2.5
			MBX1-590C06-LH							
		TC..090204	MBX2-590T09	20	6.30	18.01	18.30	33.40	36.50	3.5
			MBX2-590T09-LH							
		TC..110204	MBX3-590T11	22	7.20	21.80	22.10	46.00	48.50	6.0
			MBX3-590T11-LH							
	75°	TC..16T308	MBX4-590T16	32	10.30	31.42	32.00	64.70	68.40	10.0
			MBX4-590T16-LH							
		CC..060204	MBX1-575C06	16	2.45	13.83	14.20	26.00	28.60	2.5
			MBX1-575C06-LH							
		TC..090204	MBX2-575T09	20	3.70	18.83	19.20	34.30	38.10	3.5
			MBX2-575T09-LH							
	90°	TC..110204	MBX3-575T11	22	4.30	22.73	23.10	47.00	50.10	6.0
			MBX3-575T11-LH							
		TC..16T308	MBX4-575T16	32	5.60	32.65	33.40	66.10	70.65	10.0
			MBX4-575T16-LH							
		CC..060204	MBX1-290C06	16	0.40	14.08	14.30	26.00	25.30	2.0
			MBX1-290C06-LH							
	75°	TC..06T102	MBX1-290T06	16	0.25	14.11	14.40	26.10	26.30	2.0
			MBX1-290T06-LH							
		TC..090204	MBX2-290T09	20	1.00	18.70	19.10	34.20	32.50	2.8
			MBX2-290T09-LH							
		TC..110204	MBX3-290T11	22	1.20	22.60	23.00	46.80	42.00	4.8
			MBX3-290T11-LH							
	90°	TC..16T308	MBX4-290T16	32	1.40	32.51	33.30	66.60	59.40	8.0
			MBX4-290T16-LH							
		CC..060204	MBX1-275C06	16	0.85	14.05	14.40	26.10	26.60	2.0
			MBX1-275C06-LH							
		TC..06T102	MBX1-275T06	16	0.25	14.11	14.40	26.10	26.30	2.0
			MBX1-275T06-LH							
	75°	TC..090204	MBX2-275T09	20	0.50	18.86	19.20	34.30	34.00	2.8
			MBX2-275T09-LH							
		TC..110204	MBX3-275T11	22	0.25	22.56	22.90	46.70	43.50	4.8
			MBX3-275T11-LH							
		TC..16T308	MBX4-275T16	32	2.00	30.91	31.60	64.90	60.80	8.0
			MBX4-275T16-LH							

1. 90° And 75° approach angular mounted and 75° approach square mounted, centre of nose radius, 90° approach straight mounting over insert
2. Over datum rad for insert size
3. Sharp point
4. Minimum hole diameter calculated on the largest nose radius available