

3LOCK MBT FACE MILL ARBOR / SHOULDER CUTTER ARBOR

NIKKEN



FMA

Photo. shows with face mill cutter.

JIS B4113 Face Mill Cutter

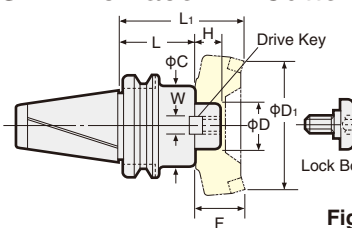


Fig.1

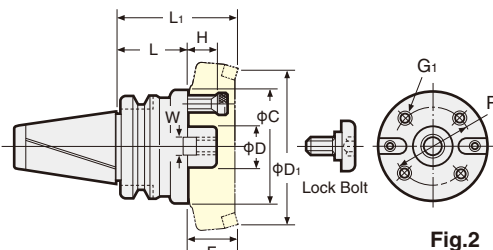


Fig.2

3LOCK tooling (MBT) can be used as the triple contact tooling on the M/C where spindle is BT double face contact system.

TAPER	Code No. (φD -L)	Arbor			Weight (kg)	With Cutter			Drive Key	Lock Bolt	Fig.
		H	C	W		L1	D1	F			
No.40	MBT40-FMA25.4 - 45, 90	22	50	9.5	1.5, 3.1	95,140	80	50	FW 5	FM12	1
	-FMA31.75 - 45, 75	30	60	12.7	1.7, 3.1	105,135	100		FW13	FM16	
	-FMA38.1 - 60	34	80	15.9	2.9	120	125	60	FW18	FM20	
No.50	MBT50-FMA25.4 - 45, 90,150	22	58	9.5	3.7, 4.6, 5.5	95,140,200	80	50	FW 5	FM12	1
	-FMA31.75 - 45, 75,105	30	70	12.7	4.5, 5.3, 6.1	105,135,165	100		FW12,13	FM16	
	-FMA38.1 - 45, 75	34	80	15.9	4.3, 5.6	105,135	125	60	FW18,19	FM20	
	-FMA50.8 - 45, 75	36	100	19	4.9, 6.8	160	160		FW23,24	FM24	
	-FMA47.625- 75*	38	128.57	25.4	7.7	135	200		FW26	*	2

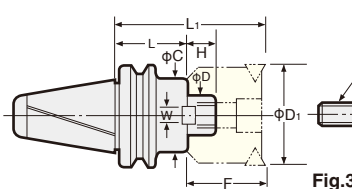


Fig.3

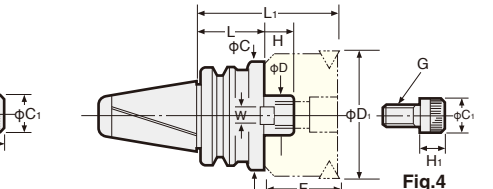


Fig.4

3LOCK tooling (MBT) can be used as the triple contact tooling on the M/C where spindle is BT double face contact system.

FMC

TAPER	Code No. (φD -L)	Arbor			Weight (kg)	With Cutter				C ₁	H ₁	Fig.
		H	C	W		L ₁	D ₁	F	G Cap Bolt			
No.40	MBT40-FMC22-45, 90	18	45	10	1.3 , 2.0	85 , 130	50	40	M10×30	16	10	3
	-FMC27-60, 90	20	60	12	1.5 , 2.2	110 , 140	80	50	M12×35	18	12	4
	-FMC32-60, 75	22	85	14	2.3 , 2.6	110 , 125	125		M16×35	24	16	
No.50	MBT50-FMC22-60,105,150	18	45	10	4.2,4.7,5.3	100,145,190	50	40	M10×30	16	10	3
	-FMC27-45, 90,150	20	70	12	4.1,5.5,7.3	95,140,200	80	50	M12×35	18	12	
	-FMC32-45, 75,105	22	85	14	4.2,5.5,7.0	95,125,155	125		M16×35	24	16	

★Drive keys, L wrench and bolt are supplied as standard.

★The arbor weight is only for the arbor.

★The different type of the cap bolt may be used for the recent cutter. Please check the specification.

★The arbor marked * requires 4 fixing bolts(FMA47.625 : M16, P=101.6)

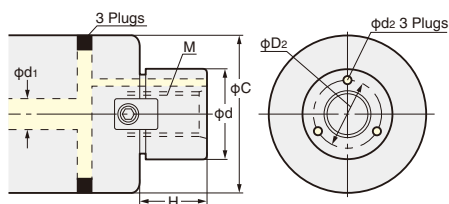
★Extended length is available as an option. MBT50-FMA25.4 -200, 250,...500

-FMA31.75-150, 200,...500

-FMA38.1 -150, 200,...500



High Feed Cutter Arbor with Coolant Hole



Code No.	Cutter Dia.	φd	φC	M	H	Coolant Hole		
						φD2	φd1	φd2
FMH22 (22.225)	φ50, φ52 φ63, φ66	22(22.225)	47	M10×1.5	18(17)	16	6~8	3
			60					
FMH27 (25.4)	φ80	27(25.4)	76(70)	M12×1.75	20(22)	19.5(18.5)	8~10	3.5
FMH32 (31.75)	φ100	32(31.75)	96	M16×2.0	22(30)	24	10~13	4
FMH40 (38.1)	φ125	40(38.1)	100	M20×2.5	26(34)	30(29)	10~15	5
FMH50.8	φ160	50.8		M24×3.0	36	37.5	15~20	7

★Fixing dimension is basically based on FMA/FMC.

★The combination of the other cutter dia. are also available.

3LOCK tooling (MBT) can be used as the triple contact tooling on the M/C where spindle is BT double face contact system.

FMH High Feed Cutter Arbor with Coolant Hole

TAPER	Code No. (φD-φC-L)	Arbor							Weight (kg)	Drive Key	Lock Bolt	G Cap Bolt
		H	C	W	C1	C2	H1	H2				
No.40	MBT40-FMH22 - 47(60)-45	18	47(60)	10	16		10		1.3(1.4)	FW 8		M10×30
	-FMH27 - 60(76)-60	20	60(76)	12	18		12		1.8(2.2)	FW11		M12×35
	-FMH32 - 96-60	22	96	14	24		16		2.9	FW16		M16×35
	-FMH40 -100-60	26	100	16	50	27	14	6	3.1	FW22	FM20	
No.50	MBT50-FMH22 - 47(60)-60	18	47(60)	10	16		10		4.2(4.5)	FW 8		M10×30
	-FMH27 - 60(76)-45	20	60(76)	12	18		12		3.9(4.1)	FW10		M12×35
	-FMH32 - 96-45	22	96	14	24		16		4.2	FW15		M16×35
	-FMH40 -100-45	26		16	50	27	14	6	5.1	FW20	FM20	
	-FMH50.8 -100-45	36	100	19	65	37	14	10	4.4	FW23	FM24	

★FMH22.225, FMH25.4, FMH31.75, FMH38.1 are also available.

★For FMH22, there are two types of φC, φ47 and φ60.

For FMH27, there are two types of φC, φ60 and φ76.