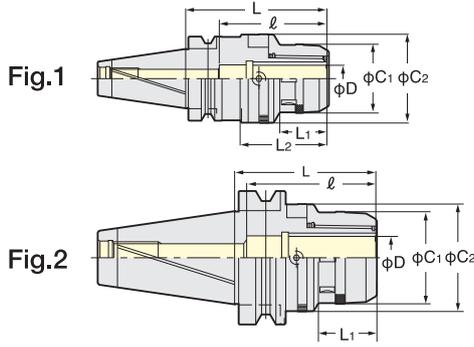


# 3LOCK MBT ZERO FIT TYPE MILLING CHUCK



CZF



Explanation of the Code No.

**MBT40 - CZF20 - 105**

- Nominal Gauge Length
- Chucking Capacity  $\phi D$
- Zero Fit Type Milling Chuck
- Shank No.

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

PAT.

TAPER	Code No.	C1	C2	L	L1	L2	l	Weight(kg)	Fig.	Collet
No.40	MBT40-CZF20-105, 120	51.5	66.5	105, 120	35	64.5	80	2.1, 2.5	1	KM20 CCK20
	-CZF25-105, 120	59.5	74.5			68		2.4, 2.9		KM25 CCK25
	-CZF32-120	69	80.5	120	42	81		105		2.8
No.50	MBT50-CZF20-105, 165	51.5	66.5	105, 165	35	-	80	4.6, 6.0	2	KM20 CCK20
	-CZF25-105, 165	59.5	74.5			-		5.0, 6.8		KM25 CCK25
	-CZF32-105, 165	69	80.5	105	42	-		105		5.3, 7.4

★Spanner is available as an option.

CZF20 type : 9HC22, CZF25 type : 9HC25, CZF32 type : 9HC32

★Wrench to adjust run-out(9ZFL) is available as an option.

Wrench to adjust  
9ZFL



★For How to Adjust the Run-Out, please refer P.156.

★Please note that the acceptable shank tolerance is h6~h7.

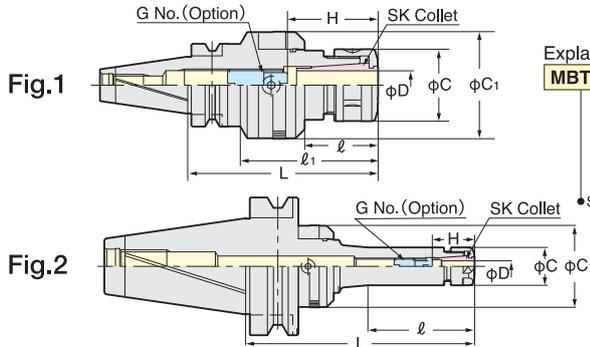
★Please add "P" at the end of Code No. for the high speed type. e.g. MBT40-CZF25-105P

★Please refer P.31, P.32 for KM, CCK collet.

# 3LOCK MBT ZERO FIT TYPE SLIM CHUCK



SZF



Explanation of the Code No.

**MBT40 - SZF10 C - 90**

- Nominal Gauge Length
- High Pressure Centre Through
- Chucking Capacity
- Zero Fit Type Slim Chuck
- Shank No.

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

PAT.

TAPER	Code No.	D	L	l	l1	C	C1	H	G No. (Option)	Weight(Kg)	Fig.	Collet
No.40	MBT40-SZF 6C- 90,150	0.7~6.0	90, 150	37, 60	-	19.5	40.5, 48.5	26~31	SKG 6- 6HG	1.3, 1.7	2	SK 6
	-SZF10C- 90,150	1.75~10.0		37, 97		27.5	48.5	35~41	SKG10-10HG	1.5, 1.9		SK10
	-SZF16C- 90,150	2.75~16.0	55, 86	84, 114	40	59.5	45~57	SKG16-12HG	1.8, 2.2	SK16		
	-SZF25C-120,150	7.5~25.4	120, 150	55, 86	84, 114	55	66.5	60~65	SKG25-18HGD	2.4, 2.9	1	SK25
No.50	MBT50-SZF 6C-105,165	0.7~6.0	105, 165	41, 63	-	19.5	40.5, 59.5	26~31	SKG 6- 6HG	4.0, 4.2	2	SK 6
	-SZF10C-105,165	1.75~10.0		41, 101		27.5	48.5	35~41	SKG10-10HG	4.5, 4.9		SK10
	-SZF16C-105,165	2.75~16.0	71, 101	71, 101	40	59.5	45~57	SKG16-12HG	5.0, 5.4	SK16		
	-SZF25C-135,165	7.5~25.4	135, 165	71, 101	71, 101	55	66.5	60~70	SKG25-24HG	5.8, 6.0	1	SK25

★Adjust screw (G No.), wrench to adjust run-out (9ZFL) and SKL spanner are available as an option. SZF6C: SKL-6W, SZF10C: SKL-10, SZF16C: 9HC16, SZF25C: 9HC25

★Please use "P" class or "A" type SK collet. P.145

★For centre through coolant application please use SK J type nut and cap for your preference. Please note that the length of J type nut is 6mm longer than the standard SK Nut. P.43, P.44

★For High Speed type, Code No. is "SZF-P". e.g. MBT40-SZF10C-90P

In this case, GH Handle is required. P.30

★For How to Adjust the Run-Out, please refer P.156.

• Drill chuck, side lock holder or morse taper sleeve are not supplied with 3LOCK shank. To prevent the swarf contamination to the gap between spindle flange and tool flange, these kinds of chucks with 2LOCK shank is available.

3LOCK