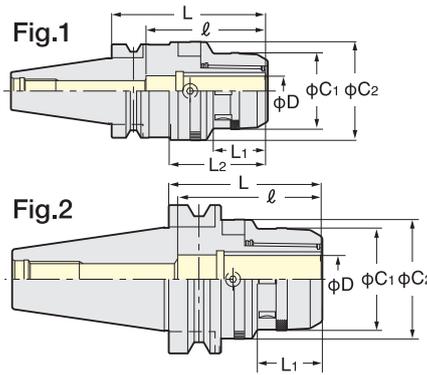


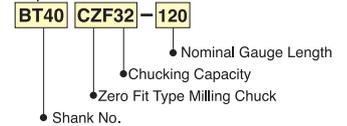
ZERO FIT TYPE MILLING CHUCK



CZF



Explanation of the Code No.



MAX. run-out at 100mm	
CZF20	0.050mm / dia.
CZF25	0.050mm / dia.
CZF32	0.030mm / dia.

PAT.

TAPER	Code No.	C1	C2	L	L1	L2	l	Weight (Kg)	Fig.	Collet
No.30	BT30-CZF20-100	51.5	66.5	100	35	68	80	1.5	1	KM20 CCK20
	-CZF25-100	59.5	74.5					1.6		KM25 CCK25
No.40	BT40-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	78	105	2.8		KM32 CCK32
No.50	BT50-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	42	105	5.3, 7.4	KM32 CCK32			

★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

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

★When direct chucking of centre through tool coolant, please use CKFN-D nut.

When using collet, please use CCK collet and CKFN nut. P.32

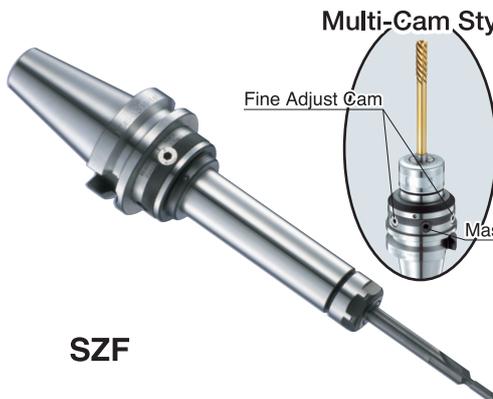
★Please note the acceptable shank tolerance is h7.

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

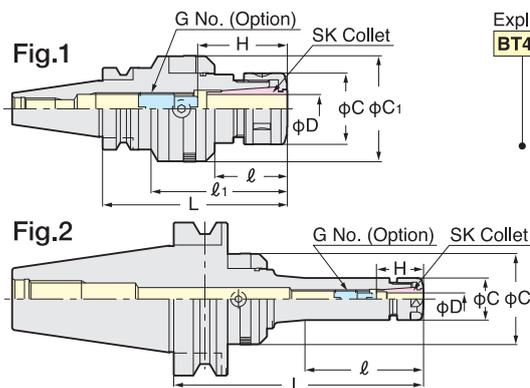


- In case of CZF (Milling Chuck) style, please rotate the Adjust Cam to the free position. Then, tighten the nose ring until face contact. If the face contact is not completed, the Adjust Cam can not function. (Free run) If the Adjust Cam is not at the free position before tightening, you can not tighten the nose ring until face contact correctly.
- For the safety reason, the Cam Ring Lock Screws can not be loosen to remove to the outside. Please loose the Cam Ring Lock Screws slightly to rotate the Cam Ring.

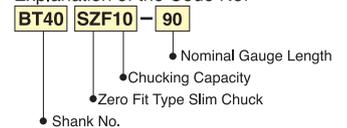
ZERO FIT TYPE SLIM CHUCK



SZF



Explanation of the Code No.



MAX. run-out at 100mm		
SZF 6	L < 150	0.050mm / dia.
	L ≥ 150	0.040mm / dia.
SZF10		0.050mm / dia.
SZF16		0.040mm / dia.
SZF25		0.025mm / dia.

PAT.

TAPER	Code No.	D	L	l	l1	C	C1	H	G No. (Option)	Weight (Kg)	Fig.	Collet
No.30	BT30-SZF 6- 90	0.7~6.0	90	42	-	19.5	40.5	21~35	SKG- 8	0.9	2	SK 6
	-SZF10- 90	1.75~10.0		35	61	27.5	48.5	30~50	SKG-12L	1.3	1	SK10
	-SZF16-105	2.75~16.0		105	40	76	40	59.5	45~65	SKG-18L		1.6
No.40	BT40-SZF 6- 90,150	0.7~6.0	90, 150	37, 60	-	19.5	40.5, 48.5	21~35	SKG- 8	1.3, 1.7	2	SK 6
	-SZF10- 90,150	1.75~10.0		37, 97		27.5	48.5	30~50	SKG-12L	1.5, 1.9		SK10
	-SZF16- 90,150	2.75~16.0		40		59.5	40~70	SKG-18L	1.8, 2.2	SK16		
	-SZF25-120,150	7.5~25.4		120, 150		55, 86	84, 114	55	66.5	55~85	SKG-28	2.4, 2.9
No.50	BT50-SZF 6-105,165	0.7~6.0	105, 165	41, 63	-	19.5	40.5, 59.5	21~35	SKG- 8	4.0, 4.2	2	SK 6
	-SZF10-105,165	1.75~10.0		41, 101		27.5	48.5	30~50	SKG-12L	4.5, 4.9		SK10
	-SZF16-105,165	2.75~16.0		40		59.5	40~70	SKG-18L	5.0, 5.4	SK16		
	-SZF25-135,165	7.5~25.4		135, 165		71, 101	55	66.5	55~85	SKG-28	5.8, 6.0	1

★Adjust screw (G No.), wrench to adjust run-out (9ZFL) and SKL spanner are available as an option. SZF6: SKL-6W, SZF10: SKL-10, SZF16: 9HC16, SZF25: 9HC25

★Please use "P" class or "A" type SK collet. P.39

★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

★For High Speed type, Code No. is "GSZF-P". e.g. BT40-GSZF10-90P GH handle P.30 is necessary for High Speed Milling Chuck.

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

★Multi-Cam style is available. e.g. BT40-SZF16-90-C3. (3 Cams) Please contact us for more detail.