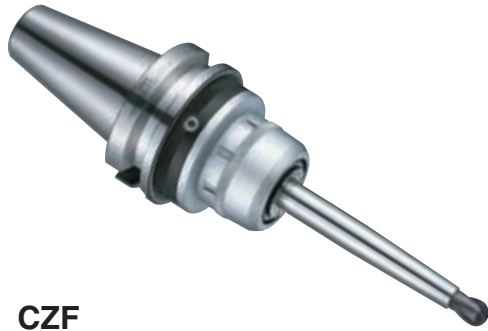
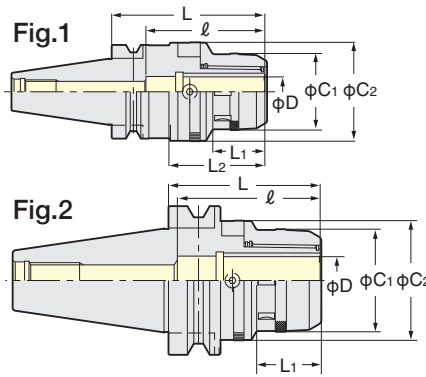


ZERO FIT TYPE MILLING CHUCK

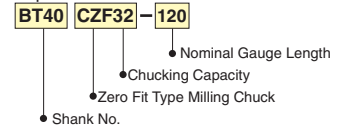
NIKKEN



CZF



Explanation of the Code No.



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

JAPAN, USA, UK, GERMANY, KOREA, TAIWAN 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	51.5	66.5	105	35	64.5	80	2.1	1	KM20 CCK20
	-120			120				2.5		KM25 CCK25
	-CZF25-105	59.5	74.5	105	68	2.4	KM25 CCK25			
	-120			120		2.9	KM32 CCK32			
No.50	BT50-CZF20-105	51.5	66.5	105	35	-	80	4.6	2	KM20 CCK20
	-165			165				6.0		KM25 CCK25
	-CZF25-105	59.5	74.5	105	-	5.0	KM25 CCK25			
	-165			165		6.8	KM32 CCK32			
	-CZF32-105	69	80.5	105	42	78	105	5.3		KM32 CCK32
	-165			165				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.
- ★Please refer P.35, P.36 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.37
- ★Please note the acceptable shank tolerance is h7.
- ★Multi-Cam style is available. e.g. BT40-CZF32-120-C3. (3 Cams) Please contact us for more detail.

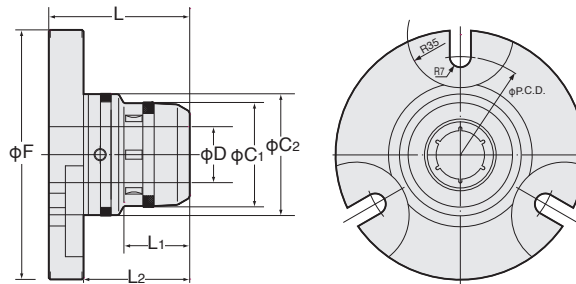


FLANGE STYLE ZERO FIT TYPE MILLING CHUCK

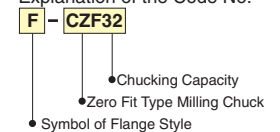
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CF-CZF



Explanation of the Code No.



JAPAN, USA, UK, GERMANY, KOREA, TAIWAN PAT.

A holder for gripping the cutter on a tool-grinding machine and adjusting run-out.

Style	Code No.	phi F	phi D	phi C1	phi C2	L	L1	L2	Width of groove for fixing bolts	phi P.C.D
32	CF-CZF32	165	32	69	80.5	93.2	43.5	70.2	14mm	130
42	CF-CZF42	175	42	86	98.2	95	46	72	(three places)	140

- ★Spanner is available as Standard CZF20 type : 9HC22, CZF25 type : 9HC25, CZF32 type : 9HC32
- ★Wrench to adjust run-out (9ZFL) is available as an option.
- ★Please refer P.35, P.36 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.37
- ★Please note the acceptable shank tolerance is h7.



- Ideal for adjusting cutter run-out on an NC grinding machine or universal grinding machine.
- 3-point cam as a standard feature makes it easy to adjust run-out on a grinding machine.

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- 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.

