

CSF Compensating Chuck



Application / Benefits

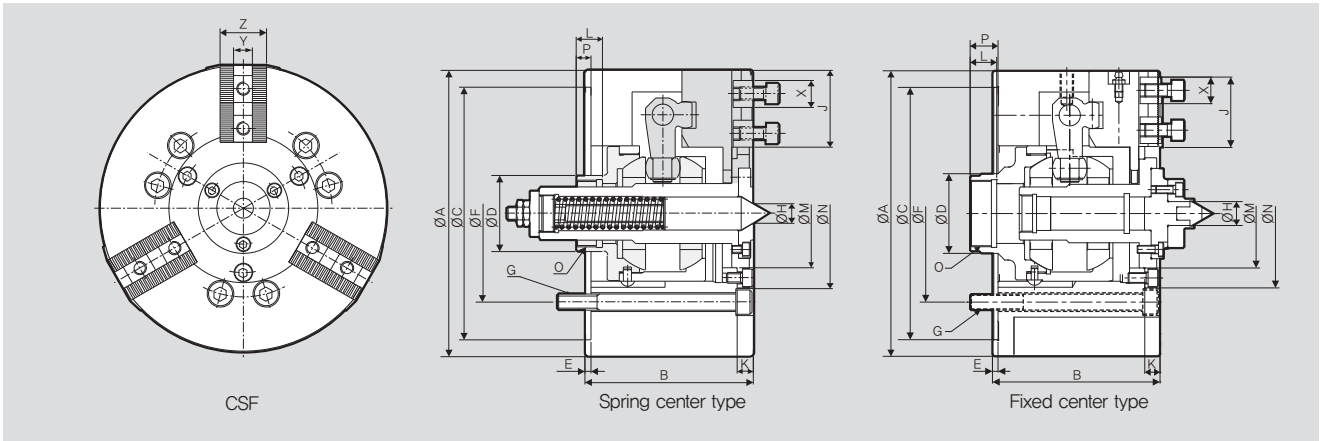
A spherical bearing enables the jaws to compensate for high-precision work on rounded surfaces

Technical features

Jaws float on spherical bearing to determined clamping points
Spring or fixed center available, All three jaws apply constant gripping force

SPECIFICATIONS

	CSF-07	CSF-08	CSF-12
Static Clamping force [kgf]	2600	3200	4400
Max. Drawbar Pull [kgf]	1500	2100	2700
Jaw Stroke Dia. [mm]	16	20	25
Plunger Stroke [mm]	20	25	30
Min. Chucking Dia. [mm]	20	25	30
Max. Runout Dia. [mm]	4	4	6
Max. Speed [r.p.m.]	4000	3200	2000
Spring Force [kgf]	45	52	106
Weight [kg]	15	28	58
GD2 [kgf·m ²]	0.25	0.8	3.13



DIMENSIONS

	CSF-07	CSF-08	CSF-12
ØA	170	215	280
B	99	126.2	154.7
ØC(h7)	140	190	255
ØD	42	57	72
ØE	4	4.2	5.7
ØF	104.8	133.4	171.4
G	3-M10	6-M12	6-M16
ØH	11	15	20
J	45	57.5	72
K	11	13	17
L	20	20	26
ØM	65	82	110
ØN	86	112.1	142.2
O	M34xP1.5	M50xP1.5	M60xP1.5
Pmax.	28.2	34	44
Pmin.	8.2	9	14
X	16	20	26
Y	11	14	20
Z	28	35	45