



CHUCK

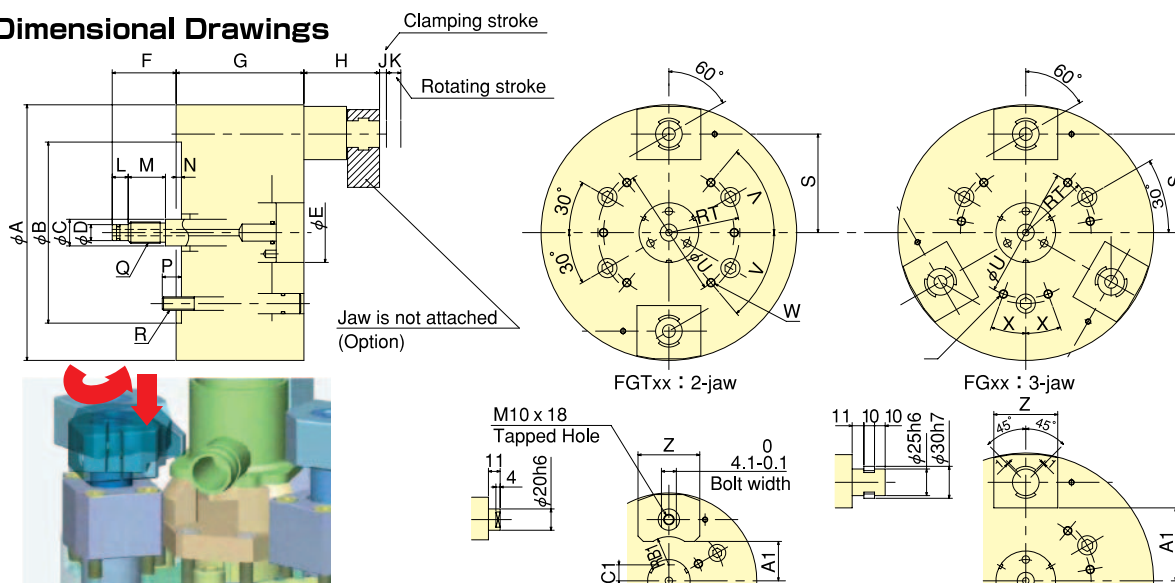
Finger Chuck FG series

Face clamping chuck, ideal for thin walled workpieces

- Distortion is reduced by using face clamping on thin section parts
- Using the aluminium rear body allows for high speed rotation, thus saving machining time.
- Jaws include equalising mechanism to securely grip parts with variable thickness. (Equalization amount/2.5 mm max)
- Through hole allows pneumatic accessories.



Dimensional Drawings



05", 06" jaw mounting part dimensions (Jaw's shaft)

08", 10", 12" jaw mounting part dimensions (Jaw's shaft)

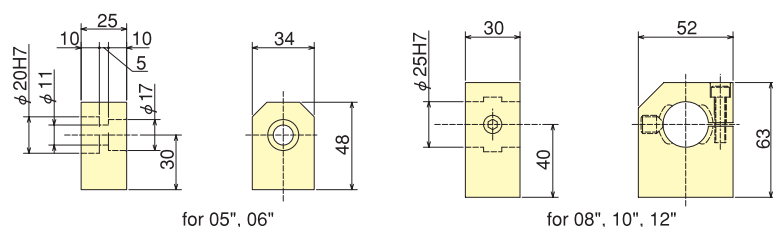
Dimensions ※FGT : 2-jaw, FG : 3-jaw

Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z	A1	B1	C1
FGT05/FG05	135	110	14	9	37	50-70	110	36-56	8	12	15	30	5	14	M12	M10	42.5	41.3	50	30°	4-M6 screw depth 12	-	3-M6 screw depth 12	58	22	26.5	-
FGT06/FG06	165	140	16	12	40	50-70	110	36-56	8	12	15	30	5	14	M16	M10	57.5	52.4	64	30°	4-M8 screw depth 15	-	3-M8 screw depth 15	58	37	26.5	15
FGT08/FG08	210	170	25	16	56	50-70	120	71-91	8	12	15	30	5	18	M20	M12	77.5	66.7	104	50°	6-M8 screw depth 15	20°	6-M8 screw depth 15	60	53.5	-	-
FGT10/FG10	254	220	25	16	56	50-70	120	71-91	8	12	15	30	5	24	M20	M16	99.5	85.7	140	50°	6-M8 screw depth 15	20°	6-M8 screw depth 15	60	75.5	-	-
FGT12/FG12	304	220	25	16	56	50-70	120	71-91	8	12	15	30	5	24	M20	M16	124.5	85.7	190	50°	6-M8 screw depth 15	20°	6-M8 screw depth 15	60	100.5	-	-

Specifications ※FGT : 2-jaw, FG : 3-jaw ※1-Jaw length : 30mm ※2-Jaw length : 40mm

Model	Max. Allowable kN(kgf)	Max speed min ⁻¹	Mass kg	Moment of Inertia kg · m ²	Matching cylinder	Clamping stroke mm	Clamping force of a jaw kN(kgf) ※1	Max. Gripping dia. mm	Limit height by optional jaw	Equalizing q'ty mm	Cylinder with seating
FGT05 / FG05	5.0 (510) / 7.5 (765)	4000	10 / 12	0.025 / 0.030	Y1020R	8	2.0(204) ※1	52	41	1	Y1020RE09C
FGT06 / FG06	6.0 (612) / 9.0 (918)	4000	11 / 13	0.045 / 0.050	Y1020R	8	2.5(255) ※1	78	41	1.5	Y1020RE09C
FGT08 / FG08	12.0(1224) / 18.0(1835)	3500	22 / 24	0.130 / 0.140	Y1020R	8	5.5(561) ※2	105	61	2	Y1020RE09C
FGT10 / FG10	12.0(1224) / 18.0(1835)	3500	34 / 36	0.290 / 0.310	Y1020R	8	5.5(561) ※2	150	61	2	Y1020RE09C
FGT12 / FG12	12.0(1224) / 18.0(1835)	3000	46 / 48	0.570 / 0.590	Y1020R	8	5.5(561) ※2	200	61	2.5	Y1020RE09C

Dimensional Drawings for Blank Jaws (Option)



Gripping Examples

