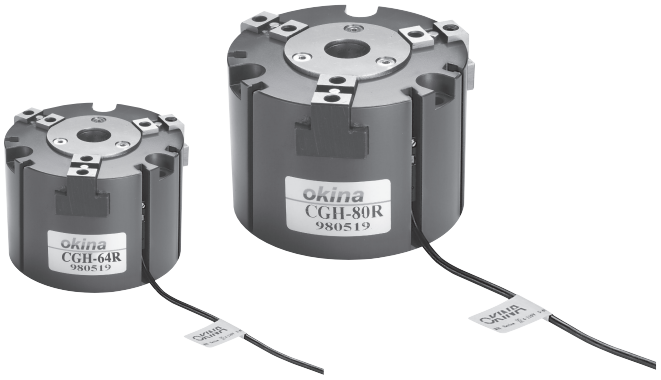
Warranty
24months

※ Through center hole for workpiece feed.
※ Bore Sizes Ø64, 80, 100, 125, 160mm
Compact body reliable design high clamping force.
※ The housing;high-tensile aluminium and special hard-coated.
※ Auto switch with indicator lamp.
※ The 3-jaw gippers is designed in lower height with long stroke.



How to order

CGH - 64 - RH 1

Number of auto switch

Auto switch type

In-line	Style
RH	Reed switch
RHN	NPN
RHP	PNP

(Reft to P.78 for detailed auto switch specifications)

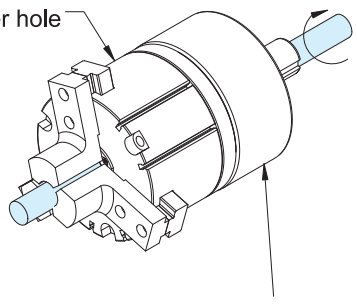
Specifications

Model	CGH-64	CGH-80	CGH-100	CGH-125	CGH-160
Opening / Closing stroke mm (dia)	8	12	16	20	26
Fluid	Air				
Operating pressure MPa	0.2~0.8(2.0~8.2kgf/cm^2)				
Amblent and fluid temperature °C (°F)	-10-16(14to140)				
Repeatability (mm)	0.05				
Lubrication	No Lubrication				
Action	Double acting				
Weight (kg)	0.52	0.82	1.51	2.1	3.8

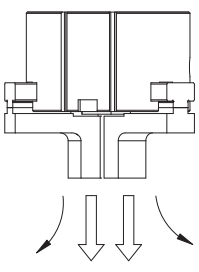
* Allowable kinetic energy of the bumpers equipped model.

Application exampls

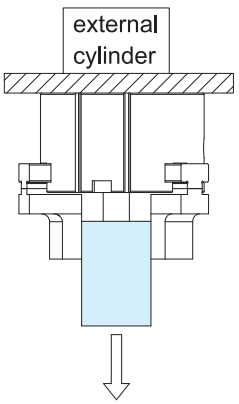
CGH 3 Finger with through center hole



Modified CSB stationary rotary feed-through unit with through center hole



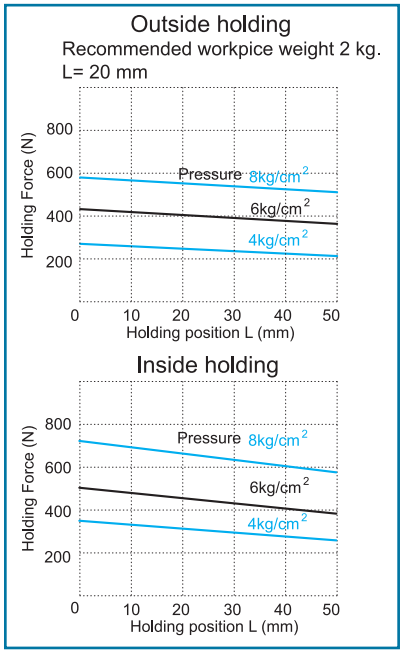
Air blowing



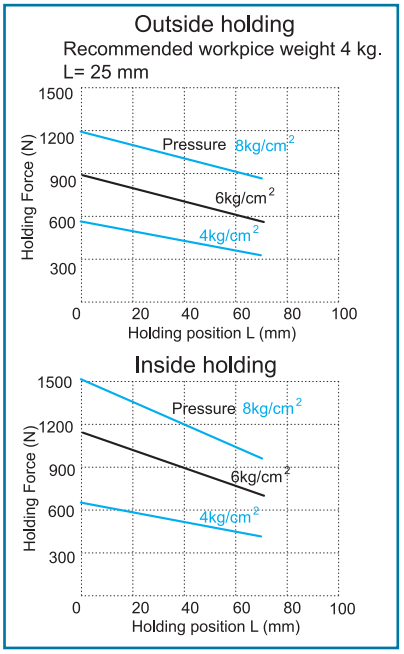
Pushing out work piece with external cylinder

Effective Holding Force

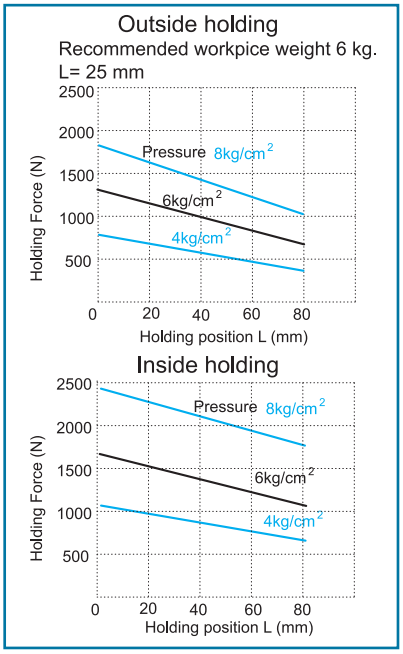
CGH-64



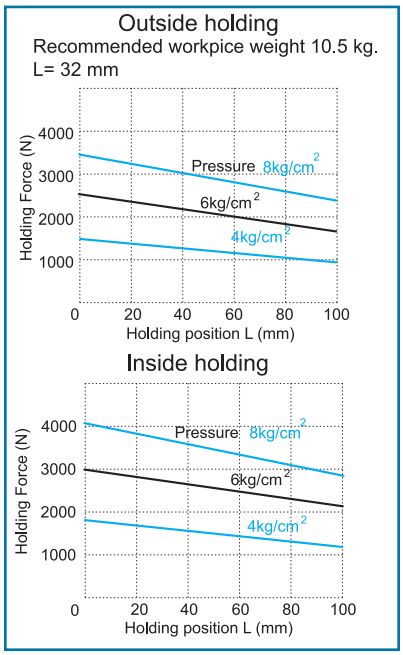
CGH-80



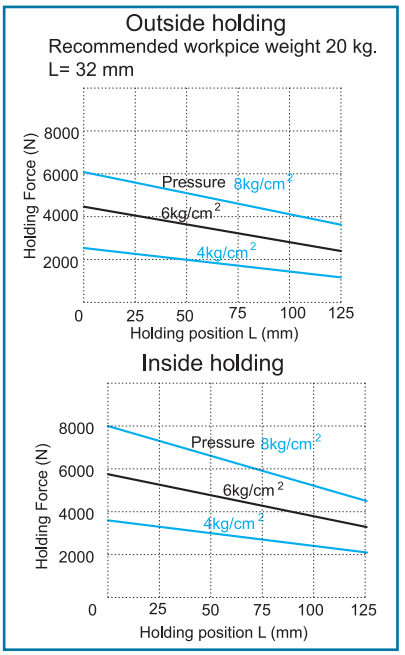
CGH-100

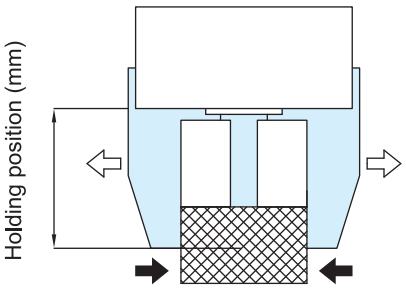


CGH-125



CGH-160



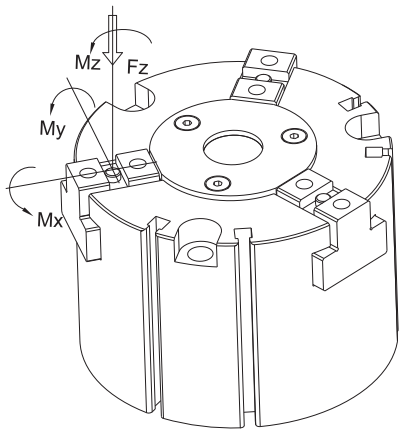


Inside holding force (⇦ ⇨)

Outside holding force (➡ ⬅)

* With reference to the holding force, under the condition must be considered.
* Condition: Friction coefficient, great acceleration impact is expected during work pice rotate.
* It recommend: select a type of arithmetic holding force that can produce 10 to 20 times for work pice weight.

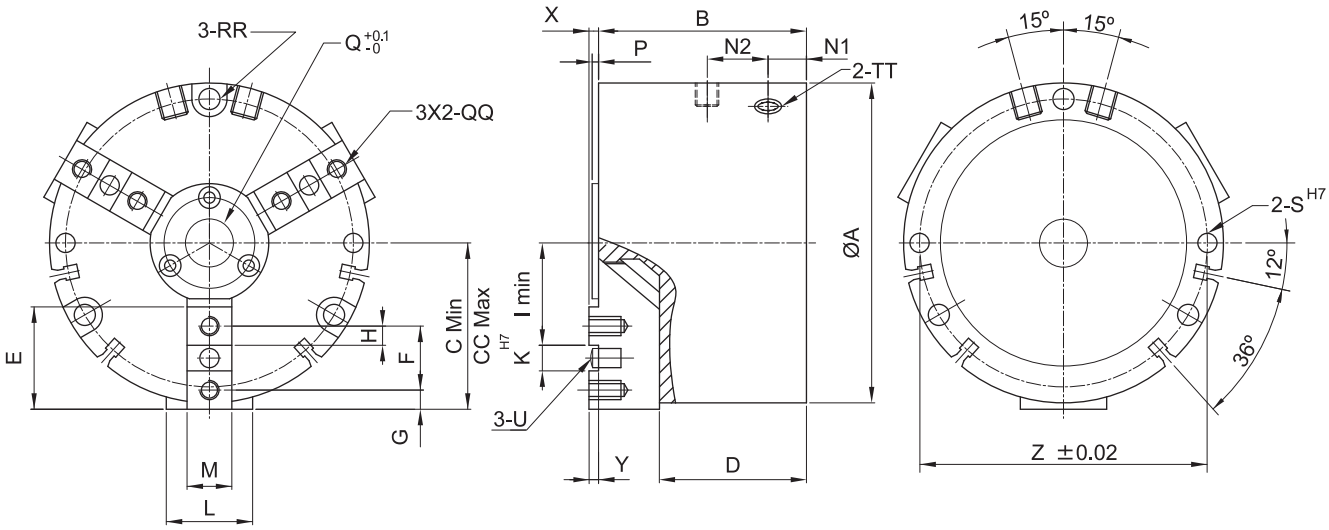
Finger load



Model	Mx (Nm)	My (Nm)	Mz (Nm)	Fz (N)
CGH-64	12	10	10	500
CGH-80	15	30	25	1400
CGH-100	30	90	35	1800
CGH-125	45	95	45	2300
CGH-160	60	100	70	2500

Dimensions

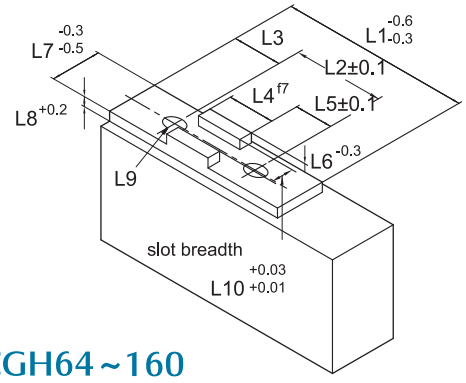
CGH-64~160



Model	A	B	C	CC	D	E	F	G	H	I	K	L	M	N1	N2	Q
CGH-64	64	47.5	33	37	32	18	12	3	3.5	22	5	17	10.2	10	16.5	7.5
CGH-80	80	56.5	42	48	39.5	21	13	4	4	29	5	23	12.2	10	22	15
CGH-100	100	65	52	60	46	25	16	5	5	36	6	27	14.2	12	24	20
CGH-125	125	76	65	75	53.5	32	20	6	6	45	8	30	16.2	13.5	28.5	25
CGH-160	160	94	84	97	67	40	24	8.5	8	59	8	40	20.2	17	36.5	36.5

Model	P	RR	QQ	S	TT	U	X	Y	Z
CGH-64	0.5	Ø4.5 Thru , Ø8 C / B DP 6 P.C.D 56	M3x0.5 DP 8	Ø4DP10	M5	Ø4	1	2.5	56
CGH-80	1.2	Ø6.6 Thru , Ø11 C / B DP 7 P.C.D 70	M4x0.7 DP 9	Ø5DP10	M5	Ø4	2	3	70
CGH-100	1.2	Ø6.6 Thru , Ø11 C / B DP 7 P.C.D 90	M5x0.8 DP 12	Ø5DP12	M5	Ø5	2	3	90
CGH-125	1.2	Ø9 Thru , Ø15 C / B DP 9 P.C.D 112	M6x1.0 DP 12	Ø6DP16	PT 1/8"	Ø6	2	3.5	112
CGH-160	–	Ø9 Thru , Ø15 C / B DP 9 P.C.D 146	M6x1.0 DP 12	Ø6DP20	PT 1/8"	Ø6	2	4	146

Finger blanks



CGH64~160

Model	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
CGH-64	18	12	3	5	3.5	2	10	–	Ø 3.4	4
CGH-80	21	13	4	5	4	2.5	12	4.5	Ø 4.5	4
CGH-100	25	16	5	6	5	3	14	5.5	Ø 5.5	5
CGH-125	32	20	6	8	6	3	16	5.5	Ø 6.6	6
CGH-160	40	24	8.5	8	8	3.5	20	5.5	Ø 6.6	6