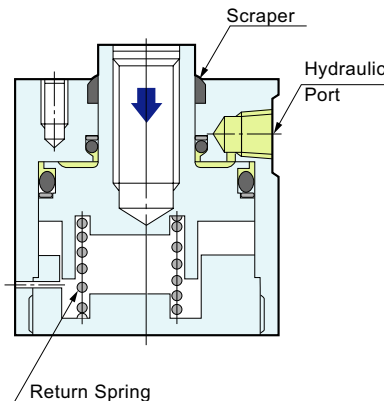


# PASCAL® WORK CLAMPING CYLINDER

Cylinder Force at 7 MPa : 2.6~17.9kN

MODEL **CGA**



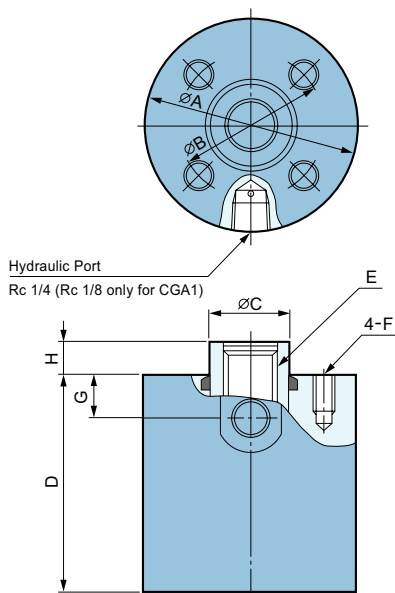
- Simple and compact pull clamp.
- Variety of attachment can be attached to the threaded hole of piston for the versatile work-pieces.
- Eccentric piston restrains the piston's rotation when stroking.

MODEL		CGA 1	CGA 2.5	CGA 4	CGA 6
Stroke		6 mm	8 mm	10 mm	12 mm
Cylinder Force ※1	At 3.5MPa	1.3 kN	3.4 kN	5.6 kN	9.0 kN
	At 7.0MPa	2.6 kN	6.9 kN	11.2 kN	17.9 kN
	At 25.0MPa	9.2 kN	24.6 kN	40.0 kN	63.0 kN
Effective Area		377.0 mm <sup>2</sup>	1002.2 mm <sup>2</sup>	1632.8 mm <sup>2</sup>	2611.4 mm <sup>2</sup>
Maximum oil flow rate		18.9 cm <sup>3</sup> /sec	50.1 cm <sup>3</sup> /sec	81.2 cm <sup>3</sup> /sec	130.6 cm <sup>3</sup> /sec
Cylinder Capacity		2.2 cm <sup>3</sup>	8.0 cm <sup>3</sup>	16.3 cm <sup>3</sup>	31.3 cm <sup>3</sup>
Return Spring Force ※2		40 ~ 84 N	131 ~ 290 N	179 ~ 427 N	269 ~ 430 N
Mass		0.4 kg	1.0 kg	1.5 kg	3.1 kg
Working Pressure Range		2.0 ~ 25.0 MPa			
Proof Pressure		37.5 MPa			
Ambient Temperature		0 ~ 70 °C			

※1 : The cylinder force is the net value before reducing return spring force. ※2 : Figures are for "top end ~ bottom end" of piston action.

CGA	Size	Special Specifications
	1	(Nil) : NBR is used for the material of scraper and seal (Standard)
	2.5	V ※ : Fluorine rubber (Viton) is used for the material of scraper and seal.
	4	※ Fluorine rubber (Viton) is adopted against the chlorine based cutting fluid as well as for the heat resistance (Max. 150°C).
	6	

Model name example : CGA2.5V (size 2.5, fluorine rubber for scraper and seal)



MODEL	CGA1	CGA2.5	CGA4	CGA6
A	40	55	65	85
B	30	40	50	55
C	14	18	25	30
D	50	63	70	82
E	M8depth22	M12depth27	M16depth33	M20depth36.5
F	M6depth11	M8depth13	M8depth13	M8depth13
G	10	13.5	13.5	15.5
H	6.5	8.5	10.5	12.5