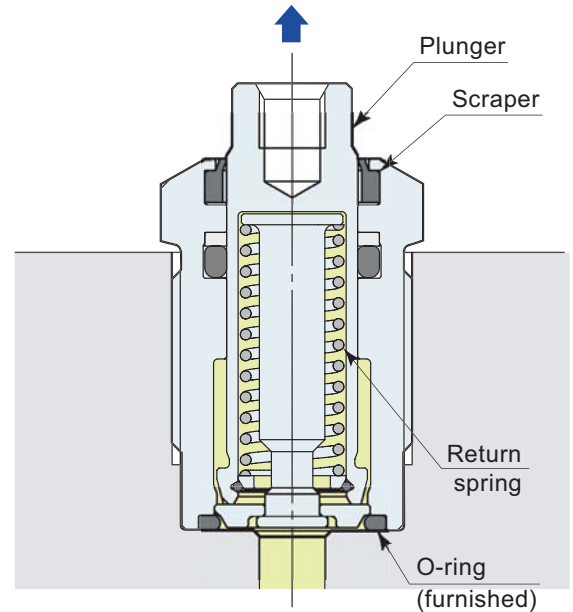


Pascal Work Clamping Cylinder Cylinder Force at 3500 psi : 610~ 1250 lbs



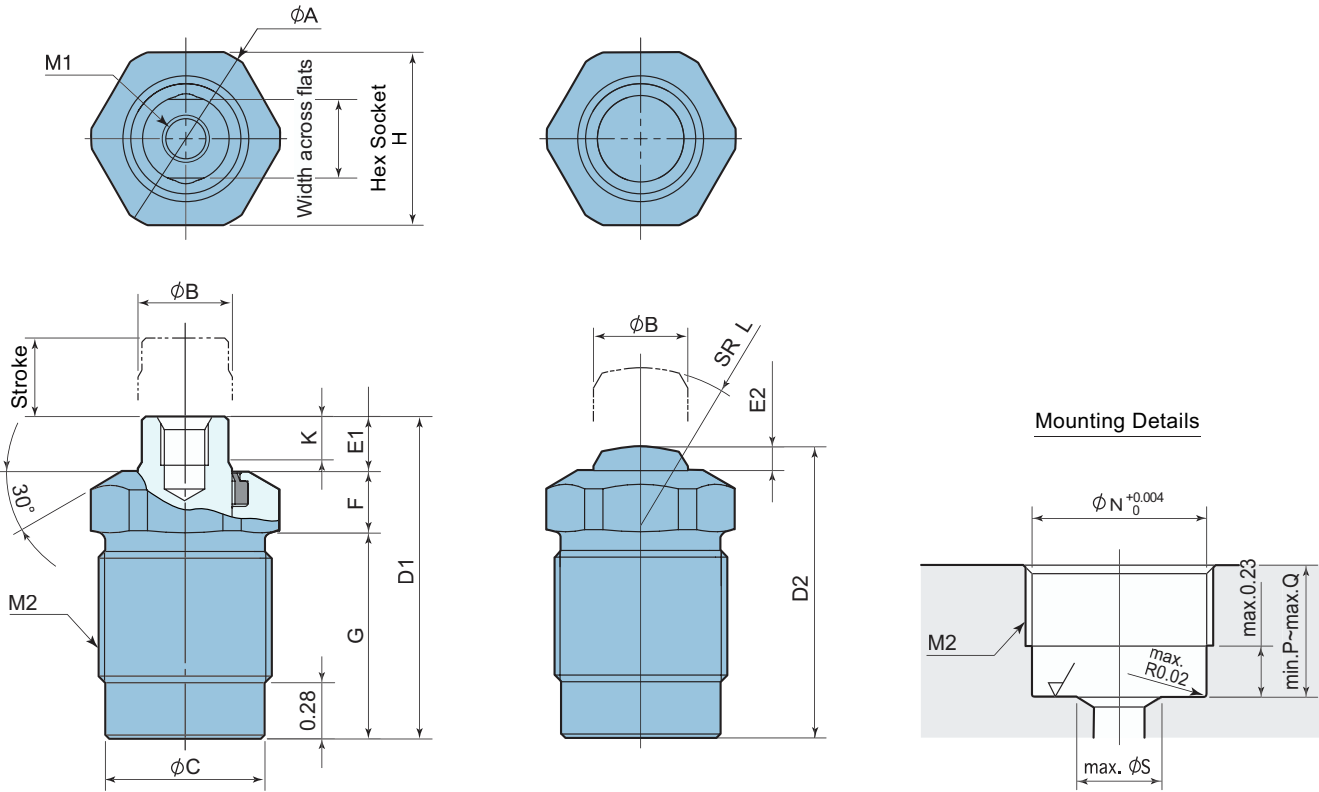
- Compact push clamp. Threaded body.
- Eliminated air vent hole to avoid troubles from intruding coolant.

MODEL	CMC 0.3			CMC 0.4			CMC 0.6			CMC 1.0			CMC 2.0			
Stroke (in)	0.20	0.39	0.59	0.20	0.39	0.59	0.20	0.39	0.59	0.20	0.39	0.59	0.39	0.59	0.79	
Cylinder Force ※1	At 500 psi	90 lbs			120 lbs			200 lbs			310 lbs			620 lbs		
	At 1000 psi	180 lbs			240 lbs			400 lbs			610 lbs			1250 lbs		
	At 3500 psi	610 lbs			840 lbs			1380 lbs			2140 lbs			1250 lbs		
Effective Area	0.18 in ²			0.24 in ²			0.40 in ²			0.61 in ²			1.25 in ²			
Maximum oil flow rate	0.35 in ³ /sec			0.47 in ³ /sec			0.77 in ³ /sec			1.20 in ³ /sec			2.45 in ³ /sec			
Cylinder Capacity (in ³)	0.6	1.1	1.7	0.8	1.5	2.3	1.3	2.5	3.8	2.0	3.9	5.9	8.0	12.0	16.0	
Return Spring Force ※2	6.3 ~ 9.4 lbs			8.5 ~ 13.5 lbs			13.9 ~ 22.5 lbs			21.8 ~ 36.0 lbs			45.0 ~ 69.7 lbs			
Weight (lbs)	0.15	0.22	0.29	0.20	0.26	0.33	0.35	0.46	0.57	0.53	0.66	0.77	1.39	1.72	2.01	
Working Pressure Range	300 ~ 3500 psi															
Proof Pressure	5500 psi															
Ambient Temperature	32 ~ 158 °F															

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

Size	Plunger Stroke	Shape of Plunger	Special Specifications
CMC	0.3	(Nil) : Threaded Top Type (Standard) R : Round Top Type	(Nil) : NBR is used for the material of scraper and seal (Standard) V ※ : Fluorine rubber (Viton) is used for the material of scraper and seal. (Except model CMC1.0 and 2.0) ※Fluorine rubber (Viton) is adopted against the chlorine based cutting fluid as well as for the heat resistance (Max. 302°F)
	0.4		
	0.6		
	1.0		
	2.0		

Model name example : CMC0.6-5RV (size 0.6, stroke 5 mm, round top type plunger, fluorine rubber for scraper and seal)



Threaded Top Type (Standard)

Round Top Type

in

MODEL	CMC 0.3			CMC 0.4			CMC 0.6			CMC 1.0			CMC 2.0		
Stroke	0.20	0.39	0.59	0.20	0.39	0.59	0.20	0.39	0.59	0.20	0.39	0.59	0.39	0.59	0.79
A	0.94			1.02			1.30			1.57			1.97		
B	0.47			0.55			0.71			0.88			1.26		
C	0.80			0.92			1.11			1.35			1.81		
D1	1.22	1.61	2.03	1.42	1.85	2.28	1.59	2.03	2.46	1.75	2.15	2.62	2.66	3.17	3.62
D2	1.06	1.46	1.87	1.22	1.65	2.09	1.34	1.77	2.20	1.44	1.83	2.30	2.24	2.76	3.21
E1	0.28			0.33			0.39			0.47			0.63		
E2	0.12			0.14			0.14			0.16			0.22		
F	0.31			0.35			0.41			0.49			0.55		
G	0.63	1.02	1.44	0.73	1.16	1.59	0.79	1.22	1.65	0.79	1.18	1.65	1.48	1.99	2.44
H	0.87			0.94			1.18			1.42			1.81		
J	0.39			0.47			0.55			0.75			1.06		
K	0.22			0.26			0.30			0.37			0.49		
L	0.79			0.98			1.26			1.57			1.97		
M1	M6 × 1 depth 0.24			M6 × 1 depth 0.43			M8 × 1.25 depth 0.51			M8 × 1.25 depth 0.51			M12 × 1.75 depth 0.71		
M2	M22 × 1.5			M25 × 1.5			M30 × 1.5			M36 × 1.5			M48 × 1.5		
N	0.808–0.811			0.926–0.929			1.123–1.125			1.359–1.362			1.831–1.834		
P	0.52			0.56			0.60			0.67			0.79		
Q	0.61	1.00	1.41	0.70	1.14	1.57	0.76	1.20	1.63	0.76	1.16	1.63	1.45	1.96	2.42
S	0.31			0.39			0.55			0.74			1.02		
O-ring (included)	AS568-015 (90)			AS568-016 (90)			AS568-019 (90)			AS568-022 (90)			AS568-126 (90)		
Tightening Torque	22 lb.ft			30 lb.ft			45 lb.ft			80 lb.ft			200 lb.ft		

REMARK
 1 : Mounting surface finish should be no rougher than Rz 6.3 (ISO 4287 :1997). 2 : Be sure to use O-ring included at all times.
 3 : Tightening torque of body thread should be as per the table above. 4 : The hardness at the top portion of round top type plunger is HRC54.