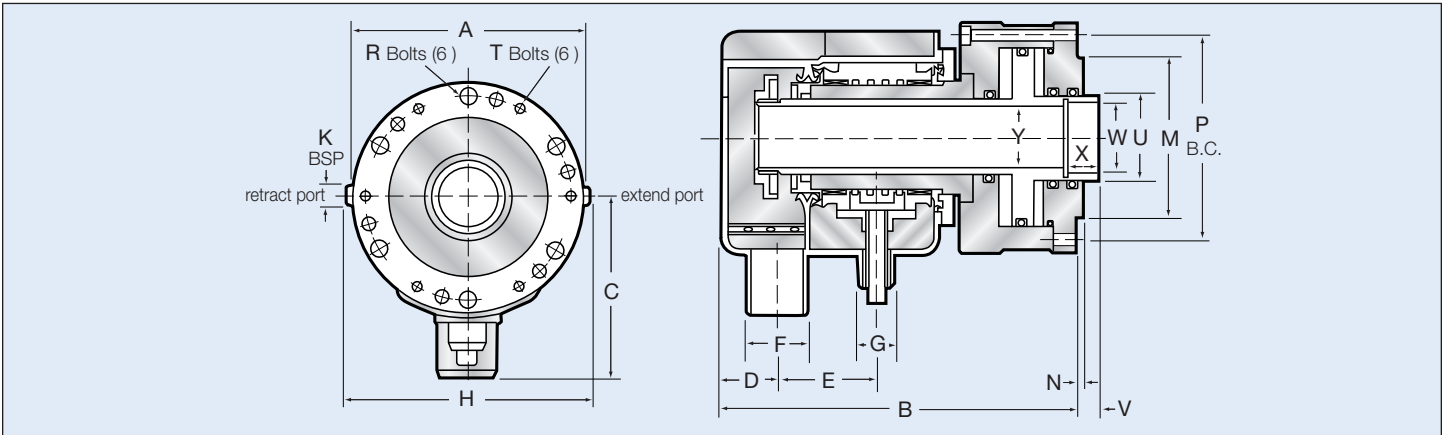




# PBA Pratt Burnerd High Speed Thru-Hole Hydraulic Cylinders

- ⚙ High speed up to 7000 rpm.
- ⚙ Large thru-hole capacity.
- ⚙ Compatible with most power chucks including Japanese types.
- ⚙ Coolant collector comes standard with all cylinders, at no extra charge.
- ⚙ Safe - Safety check valve built into the cylinder, traps air maintaining clamping pressure, in case machine losses power.
- ⚙ Stroke detection is available as an option if required.



Chuck Size		6"	8"	10"*	12"/15"*
	Model No.	1910-04680	1910-05680	1910-06617	1910-09021
	Cylinder Size	46/75	56/125	66/170	90/210
A	Cylinder diameter	mm/in 156/6.142	187/7.36	220/8.66	260/10.23
B	Overall length	mm/in 281/11.06	289/11.38	312/12.28	340/13.38
C	Port height	mm/in 135/5.31	145/5.70	160/6.29	175/6.88
D	Coolant drain center from rear	mm/in 43.5/1.71	45.5/1.71	54/2.12	34/1.33
E	Center distance between drains	mm/in 81.5/3.20	81.5/3.20	84/3.30	90/3.54
F	Coolant drain diameter	mm/in 50/1.96	50/1.96	50/1.96	50/1.96
G	Hydraulic return diameter	mm/in 30/1.18	30/1.18	30/1.18	30/1.18
H	Width over ports	mm/in 189/7.44	204/8.03	216/8.50	246/9.68
K	Port dimension	BSP 3/8"	3/8"	3/8"	3/8"
M	Flange diameter	mm/in 110/4.33	130/5.11	150/5.90	180/7.08
N	Flange height	mm/in 5/19	5/19	5/19	5/19
P	Mounting holes, B.C.	mm/in 143/5.63	165/6.49	195/7.67	225/8.858
R	Mounting holes, six clearance holes to take bolts	Metric M8 x 95	M10 x 100	M12 x 110	M12 x 130
		Imperial 5/16" x 3.75"	3/8" x 4"	1/2" x 4-1/2"	5/8" x 4-3/4"
U	Sleeve diameter	mm/in 60/2.36	70/2.75	85/3.34	115/4.52
V	Maximum sleeve extension	mm/in 28/1.10	28/1.10	32/1.25	32/1.25
W	Drawtube thread diameter	Size M53 x 1.5	M63 x 1.5	M75 x 1.5	M100 x 2
X	Sleeve thread depth	mm/in 29/1.14	30/1.18	30/1.18	30/1.18
Y	Bore	mm/in 46/1.81	56/2.20	66/2.59	90/3.54
	Maximum speed	rpm 7000	5900	5000	4000
	Maximum pressure	Bar/PSI 38/550	38/550	38/550	38/550
	Maximum drawtube pull	lbs. 6950	10,800	14,400	18,000
	Cylinder stroke	ins 20/788	20/788	.905	.905
	Oil leakage	GPM .88	1.07	1.26	1.51
	Moment of inertia	Kg/m2 .048	.09	.22	.60
	Piston area	sq. ins. 11.7	19.6	26.4	32.6
	Weight	lbs. 34	47	57	88