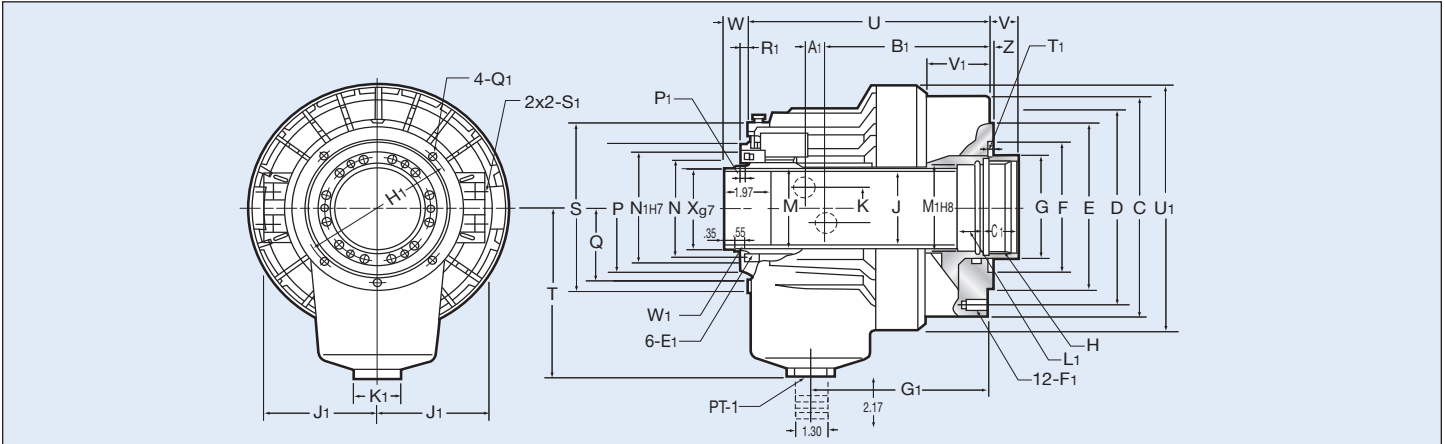




# Atlas Workholding Open Center Hydraulic Long Stroke Cylinder

## Large Thru-hole up to 6.56 inches

- ⊕ High RPM
- ⊕ Safety check valves built-in
- ⊕ Large thru-hole, up to 6.56"
- ⊕ Coolant catcher standard
- ⊕ Long stroke will allow use with standard or special power chucks



	Model	OHL1246	OHL1446	OHL1552	OHL1875	OHL2091	OHL2816
	Cylinder dia	mm/in	125/4.92	140/5.51	155/6.10	180/7.09	205/8.07
C		mm/in	155/6.10	175/6.89	190/7.48	240/9.45	325/12.80
D		mm/in	130/5.12	155/6.10	170/6.69	190/7.48	215/8.46
E		mm/in	100/3.94	130/5.12	130/5.12	160/6.34	180/7.09
F		mm/in	80/3.15	80/3.15	85/3.35	120/4.72	140/5.51
G		mm/in	65/2.56	65/2.56	70/2.76	95/3.74	110/4.33
H		mm/in	M55x2.0	M55x2.0	M60x2.0	M85x2.0	M100x2.0
J	Thru-hole	mm/in	46/1.81	46/1.81	52/2.05	75/2.95	91/3.58
K		mm/in	36/1.42	36/1.42	36/1.42	36/1.42	34/1.34
M		mm/in	52.9/2.08	52.9/2.08	52.9/2.08	84.9/3.33	99.6/3.92
N		mm/in	64/2.52	64/2.52	73/2.87	98/3.86	108/4.25
P		mm/in	85/3.35	85/3.35	96/3.78	121/4.76	138/5.43
Q		mm/in	51.5/2.03	51.5/2.03	57/2.24	70/2.76	79/3.11
S		mm/in	118/4.65	118/4.65	137/5.39	166/6.54	182/7.17
T		mm/in	115/4.53	115/4.53	130/5.12	160/6.30	185/7.28
U		mm/in	205/8.07	205/8.07	213/8.39	246/9.69	273/10.75
V	Max	mm/in	27/1.06	27/1.06	29/1.14	35/1.38	50/1.97
	Min	mm/in	-5/- .20	-5/- .20	-5/- .20	-5/- .20	0/0
W	Max	mm/in	57/2.24	57/2.24	59/2.32	65/2.56	75/2.95
	Min	mm/in	25/ .98	25/ .98	25/ .98	25/ .98	25/ .98
Z		mm/in	5/ .20	5/ .20	5/ .20	5/ .20	5/ .20
A1		mm/in	11.5/ .45	11.5/ .45	12/ .47	17.5/ .69	21/ .83
B1		mm/in	147.5/5.81	147.5/5.81	153/6.02	169.5/6.67	188/7.40
C1		mm/in	30/1.18	30/1.18	30/1.18	35/1.38	35/1.38
E1			M6x9	M6x9	M6x9	M6x9	M6x14
F1			M10x20	M10x20	M10x20	M10x20	M12x24
G1		mm/in	156/6.14	156/6.14	162/6.38	182.5/7.19	203/7.99
H1		mm/in	98/3.86	98/3.86	110/4.33	55/6.10	165/6.50
J1		mm/in	76/2.99	76/2.99	86/3.38	101/3.98	110/4.33
K1		mm/in	47/1.85	47/1.85	47/1.85	47/1.85	47/1.85
L1		mm/in	15/ .59	15/ .59	15/ .59	15/ .59	15/ .59
M1		mm/in	50/1.97	50/1.97	55/2.17	80/3.15	95/3.74
N1		mm/in	76/2.99	76/2.99	85/3.35	108/4.25	120/4.72
P1		mm/in	4/ .157	4/ .157	4/ .157	4/ .157	4/ .157
Q1			M5x10	M5x10	M6x12	M6x12	M6x12
R1		mm/in	6/ .236	6/ .236	7/ .276	7/ .276	7/ .276
S1			PT1/2	PT1/2	PT1/2	PT1/2	PT1/2
T1		mm/in	12/ .472	12/ .472	12/ .472	12/ .472	12/ .472
U1		mm/in	200/7.87	200/7.87	220/8.66	242/9.53	267/10.51
V1		mm/in	67/2.64	67/2.64	68/2.68	74/2.91	86/3.39
W1			M52x1.5	M52x1.5	M58x1.5	M84x2.0	M99x2.0
X1		mm/in	50/1.97	50/1.97	56/2.20	81/3.19	96/3.78
	Piston stroke	mm/in	32/1.26	32/1.26	34/1.34	40/1.57	50/1.97
	Piston surface push	cm <sup>2</sup> /in <sup>2</sup>	100/15.3	131/20.3	161/25.0	198/30.7	252/39.1
	Piston surface pull	cm <sup>2</sup> /in <sup>2</sup>	89/13.8	120/47.2	150/23.3	183/28.4	234/36.3
	Piston force push	lbf	8,543	11,016	13,488	16,636	21,131
	Piston force pull	lbf	7,418	10,117	12,588	15,511	19,782
	Max. operating pressure	PSI	580	580	580	580	580
	Max. rpm		7000	7000	6200	4700	3800
	Weight	lbs	28.2	31.3	37.5	59.1	75.2

Cylinders