

Spherical Bearing Mounting
Style SB
1½" to 6" Bore Sizes

Series 2H
Heavy Duty Hydraulic Cylinders

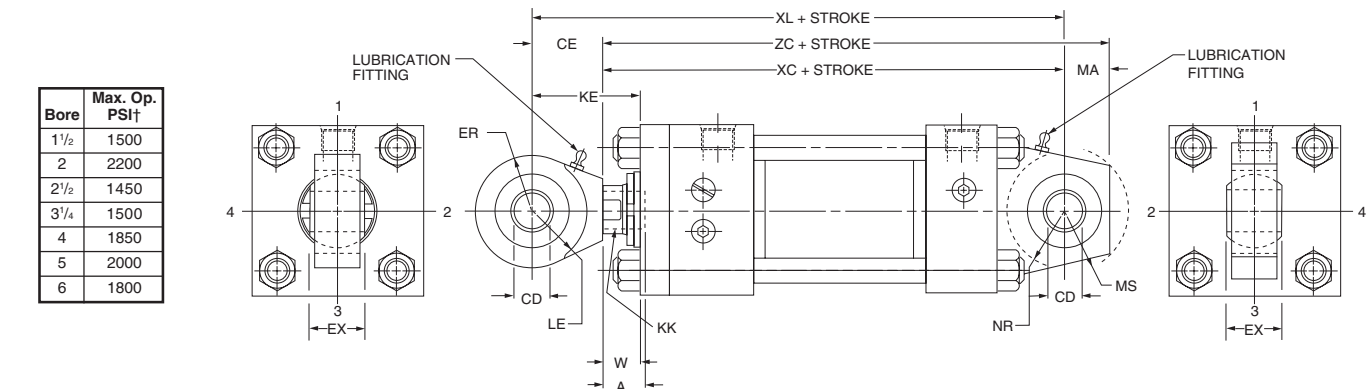
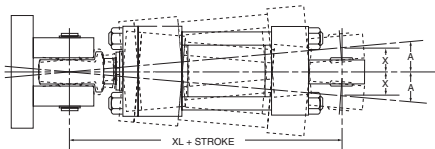


Table 1 — Dimensions

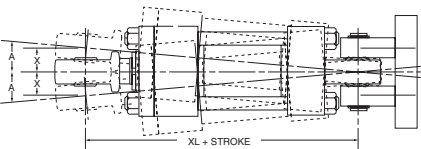
Bore	Rod No.	Rod Dia. MM	Thread		A	W	Add Stroke			KE	CD*	CE	ER	EX	LE	MA	MS	NR
			Style 9 KK	Style 7 KK			XC	XL	ZC									
1½	1(Std.)	5/8	7/16-20	—	3/4	5/8	6 3/8	7 1/4	7 1/8	1 1/2	-.0005	7/8	13/16	7/16	3/4	3/4	15/16	5/8
	2	1	—	7/16-20	3/4	1	6 3/4	7 5/8	7 1/2	1 7/8	.5000							
2	1(Std.)	1	3/4-16	—	1 1/8	3/4	7 1/4	8 1/2	8 1/4	2	-.0005	1 1/4	1 1/8	2 1/32	1 1/16	1	1 3/8	1
	2	1 3/8	—	3/4-16	1 1/8	1	7 1/2	8 3/4	8 1/2	2 1/4	.7500							
2½	1(Std.)	1	3/4-16	—	1 1/8	3/4	7 3/8	8 5/8	8 3/8	2	-.0005	1 1/4	1 1/8	2 1/32	1 1/16	1	1 3/8	1
	2	1 3/4	—	3/4-16	1 1/8	1 1/4	7 7/8	9 1/8	8 7/8	2 1/2	.7500							
3¼	1(Std.)	1 3/8	1-14	—	1 5/8	7/8	8 5/8	10 1/2	9 7/8	2 3/4	-.0005	1 7/8	1 1/4	7/8	1 7/16	1 1/4	1 11/16	1 1/4
	2	2	—	1-14	1 5/8	1 1/4	9	10 7/8	10 1/4	3 1/8	1.0000							
4	1(Std.)	1 3/4	1 1/4-12	—	2	1	9 3/4	11 7/8	11 5/8	3 1/8	-.0005	2 1/8	1 11/16	1 3/16	1 7/8	1 7/8	2 7/16	1 5/8
	2	2 1/2	—	1 1/4-12	2	1 3/8	10 1/8	12 1/4	12	3 1/2	1.3750							
5	1(Std.)	2	1 1/2-12	—	2 1/4	1 1/8	10 1/2	13	13	3 5/8	-.0005	2 1/2	2 1/16	1 17/32	2 1/8	2 1/2	2 7/8	2 1/16
	2	3 1/2	—	1 1/2-12	2 1/4	1 3/8	10 3/4	13 1/4	13 1/4	3 7/8	1.7500							
6	1(Std.)	2 1/2	1 7/8-12	—	3	1 1/4	12 1/8	14 7/8	14 5/8	4	-.0005	2 3/4	2 1/2	1 3/4	2 1/2	2 1/2	3 5/16	2 3/8
	2	4	—	1 7/8-12	3	1 1/4	12 1/8	14 7/8	14 5/8	4	2.0000							

†Maximum operating pressure at 4:1 design factor is based on tensile strength of material. Pressure ratings are based on standard commercial bearing ratings.
Note: for additional dimensions see Series 2H Style BB mount.
Rod No. 1 is standard.
*Dimension "CD" is hole diameter.

Mounting Information
Head End Mounting



Cap End Mounting



Recommended maximum swivel angle on each side of the cylinder centerline.

Bore	Head End Mounted		Cap End Mounted	
	Angle a	Tan. of a	Angle a	Tan. of a
1½	2°	.035	2°	.035
2	2½°	.044	4½°	.079
2½	2½°	.044	4½°	.079
3¼	3°	.052	3°	.052
4	2½°	.044	3°	.052
5	3°	.052	3°	.052
6	3°	.052	3°	.052

Note: Dimension X is the maximum off center mounting of the cylinder. To determine dimension X for various stroke lengths multiply the distance between pivot pin holes by tangent of angle a. For extended position use X = XL times 2X stroke.

For additional information – call your local Parker Cylinder Distributor.