

Features:

Cylinder: bored, honed, polished chrome-plated bore. **Pistons:** furnished with metal piston rings, O-rings and a fluid bypass orifice. **Piston rods:** double-ended, ground, polished, hard chrome plated. **Cylinder heads:** 1/4" (8mm) standard pipe tap ports for filling with fluid; internal bleed duct for air elimination; fitted with gland packing nuts. **Hydraulic Fluid:** high-grade, petroleum-base fluid similar to U.S. Govt. Spec. MIL-H-6083 for -20°F (-29°C) to +200°F (93°C). **Strut Joints:** joints permit +/- 10° angular or conical movement. Ends bevelled for butt-weld-

ing joints are described on page 3. One joint is tapped for piston rod; other joint has half pipe coupling for connection to pipe extension and is non-rotating to keep cylinder ports on top. **Shipment:** all component parts (except extension pipe)* shipped in one (1) container, cylinder filled with fluid.

*For fabricated assemblies complete with extension pipe, inquire Hyspan.

CYLINDER REPAIR KITS AVAILABLE.

Table 4 Specifications

"Vibrasub" Size:	1-1/2" (40mm)	2-1/2" (65mm)	4" (100mm)
Nominal Pipe Size of Extension			
In. (mm)	2" (50mm)	2-1/2" (65mm)	4" (100mm)
Maximum Load:			
Lbs (kN)	7,000 (31.2)	12,000 (53.4)	30,000 (133.5)
Frictional Resistance:*			
Lbs (kN)	75 (.33)	100 (.45)	200 (.90)
Shipping Weight:			
Lbs (kg)	70 (32)	90 (41)	175 (79)

* due to mechanical parts

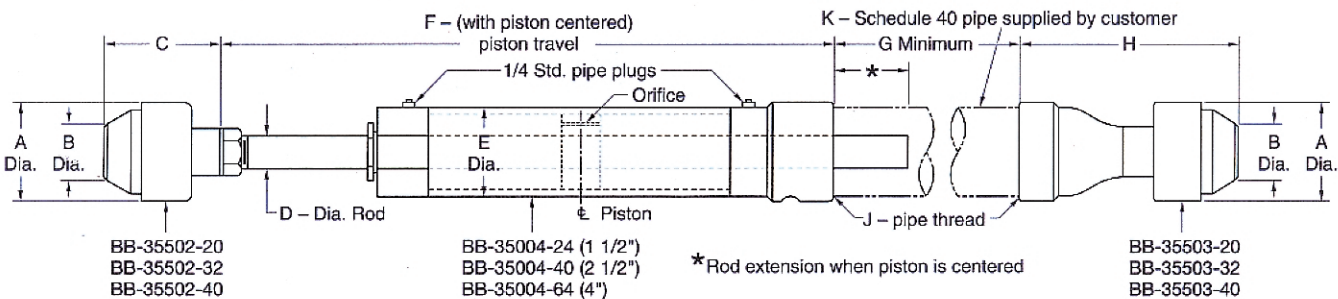


Table 5 Dimensional Data

Size: In.(mm)	Part Number	Piston Travel In.(mm)	A	B	C	D	E	F	G Min.	G Max	H	J	K	Overall dimension with full load (C+F+G+H)	
														Min.♦	Max.♦♦
1-1/2 (40)	BB-35001-24	+/-4 +/- (101.6)	3.25 (82.6)	1.66 (42.2)	4.25 (108.0)	1.00 (25.4)	2.50 (63.5)	22.50 (571.5)	6.00 (152.4)	96.00 (2438.4)	9.00 (228.6)	2.00 (50)	2.00 (50)	41.75 (1060)	131.75 (3346)
2-1/2 (65.0)	BB-35001-40	+/-6 +/- (154.4)	4.25 (108.0)	2.38 (60.5)	5.76 (146.3)	1.13 (28.7)	3.00 (76.2)	28.00 (711.2)	8.06 (204.7)	112.06 (2846.3)	10.69 (271.5)	2.50 (65)	2.50 (65)	52.51 (1,333.8)	156.51 (3975.4)
4.0 (100.0)	BB-35001-64	+/-6 +/- (152.4)	5.00 (127.0)	2.88 (73.2)	6.00 (152.4)	1.50 (38.1)	4.75 (120.7)	29.19 (741.4)	6.75 (171.5)	181.25 (4603.8)	11.63 (295.4)	4.00 (100)	4.00 (100)	53.56 (1360.4)	228.06 (5792.7)

*1 1/2" size travel is ± 4". 2 1/2", 4" sizes travel is ± 6". Increased stroke available on special request.

**The maximum overall dimension given above (C+F+G+H) can be increased, but only with a decrease in the allowable load in keeping with the increased L/R of the unit as a column under possible vibration.