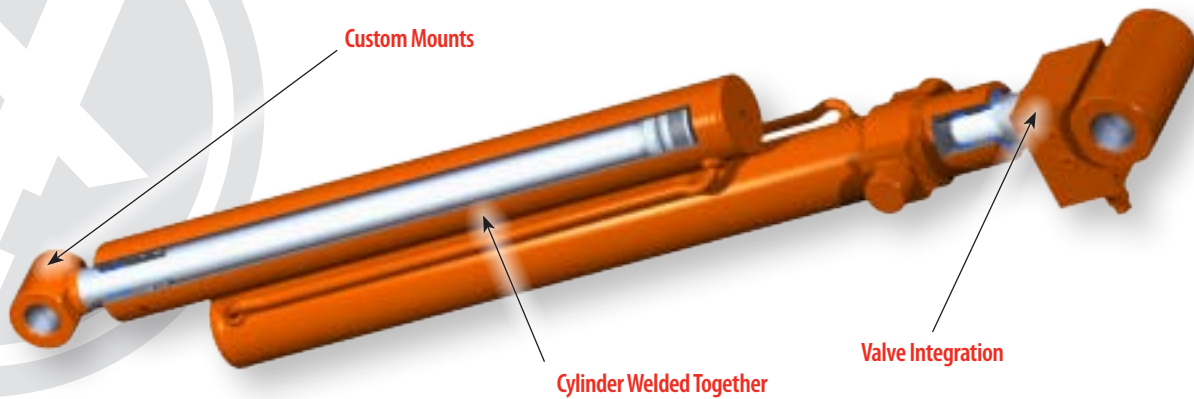


Piggy-back Hydraulic Cylinders

The Piggy-back Cylinder design enables a longer stroke with a shorter overall length. Piggy-back cylinders are designed for applications that require a long extend with a short retraction area. It is suitable for both high and low pressure situations, and the absence of hoses and fittings eliminates leaks.



Product Description

- For applications requiring short overall lengths and consistent load capabilities or speed.
- Longer stroke with shorter overall length
- Designed for applications that require a long extend with a short retraction area.
- Interchangeable Seals on the same bore size
- High Pressure and Low Pressure Applications
- Provides Consistent Load and Speed Capabilities

Optional Features

- Rod or Tube Ported
- Out and Down Functionality
- Valve Integration
- Cushions
- Hollow Tubes
- Sequencing

APPLICATION EXAMPLES: Jack/Outrigger Extend · Boom Extender · Wrecker/Tow Vehicles · Chutes · Dump Applications



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Cylinder Dead Length

The charts below show the standard cylinder dead length in inches, it does not include end mounts or stroke. Add 1" to for every 10" of stroke beyond 40". For base end mounted valve block add 1.75" for up to 15 GPM, 2.00" for up to 30 GPM and 2.38" for up to 60 GPM. Any required cushion length is additive. Standard bore-rod combinations and lengths are shown, please consult Texas Hydraulics for availability of sizes not shown, or if the shorter lengths are required. These dimensions are for reference only, some applications may require more dead length than shown.

Medium-Heavy Duty Cylinders

	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	5.00	5.50	6.00	6.50	7.00	8.00	9.00	10.00	
0.75	4.75																			
0.88	4.75																			
1.00	4.88	4.88	5.00																	
1.13	4.88	4.88	5.00																	
1.25	5.00	5.13	5.25	5.75	6.38	6.50	6.88													
1.38	5.31	5.31	5.31	5.75	6.38	6.50	6.88	6.88												
1.50	6.00	5.63	5.63	5.75	6.38	6.50	6.88	6.88	7.13											
1.63		5.75	5.75	5.88	6.38	6.50	6.88	6.88	7.13	7.13										
1.75		6.00	6.00	6.19	6.38	6.50	7.00	6.88	7.25	7.25										
2.00				7.25	6.75	6.88	7.13	7.00	7.38	7.38	7.63	8.13								
2.25						6.88	7.13	7.13	7.38	7.38	7.63	8.38								
2.50							7.38	7.13	7.38	7.38	7.63	8.50	8.88							
2.75								7.38	7.38	7.38	7.88	8.75	8.88	9.13	9.13					
3.00									7.63	7.63	8.00	8.75	9.00	9.13	9.13					
3.25											8.25	8.75	9.00	9.25	9.25	9.63	9.88			
3.50											8.50	8.88	9.25	9.50	9.50	9.63	9.88			
3.75												8.88	9.50	9.75	9.75	10.13	10.13			
4.00												8.88	9.50	9.75	9.75	10.13	10.13	12.00	12.00	
4.50																12.25	10.38	12.25	12.25	
5.00																	10.38	12.50	12.50	
5.50																		12.50	12.50	
6.00																			13.00	13.00

Light-Medium Duty Cylinders

	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75
0.50	3.44											
0.63		3.75	4.00									
0.75		3.75	4.13	4.25	4.13							
0.88			4.13	4.25	4.25							
1.00				4.38	4.38	4.38	4.50					
1.13					4.38	4.38	4.50					
1.25					5.00	4.50	4.75	4.88	5.13	5.13	5.25	
1.38					5.00	4.75	5.00	4.88	5.13	5.13	5.25	5.25
1.50						5.00	5.00	5.00	5.13	5.13	5.25	5.25
1.63						5.50	5.50	5.50	5.38	5.38	5.38	5.38
1.75								6.00	5.50	5.50	5.50	5.50
2.00										6.00	5.50	5.75
2.25											6.00	6.00
2.50												6.25

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