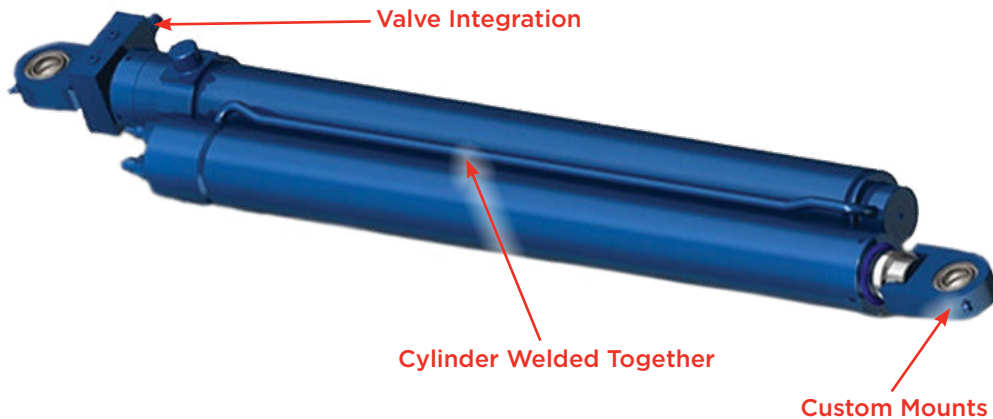


PIGGY-BACK HYDRAULIC CYLINDERS



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.



■ APPLICATION EXAMPLES

- Jack/Outrigger Extend
- Boom Extender
- Wrecker/Tow Vehicles
- Chutes
- Damp Applications

■ 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



Texas Hydraulics, Inc.
3410 Range Road
Temple, TX 76504
Tel: 254-778-4701
www.texas hydraulics.com

PRODUCT DATA SHEET

TEXAS
HYDRAULICS

Problem Solved.

THI-PDS-v1-102022

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



Texas Hydraulics, Inc.
 3410 Range Road
 Temple, TX 76504
 Tel: 254-778-4701
www.texashydraulics.com

PRODUCT DATA SHEET

TEXAS
 HYDRAULICS
 Problem Solved.
 THI-PDS-v1-102022