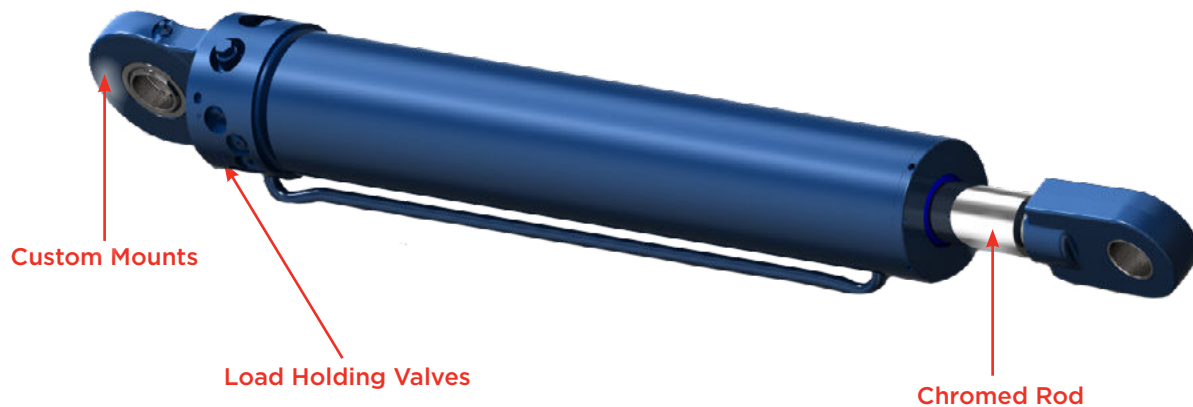


VALVE INTEGRATED HYDRAULIC CYLINDERS



Our Valve Integration option eliminates hoses and tubing from the manifold block, reducing the use and cost of additional purchased parts and preventing contamination during machine assembly. Valve integrated cylinders are streamlined for a better fit, better appearance, and increased clearance on equipment.



APPLICATION EXAMPLES

- Utilities
- Material Handling
- Oil & Gas
- Agriculture
- Public Services
- Defense
- Transportation

PRODUCT DESCRIPTION

- Counterbalance
- Overload protection
- Regenerative circuits
- Load locking
- Sequence control
- Flow control / velocity fuse
- Thermal protection
- Master / slave circuits
- Directional control
- Pressure control
- Proportional flow

OPTIONAL FEATURES

- Eliminates hoses and tubing from the manifold block
- Reduces the use of and cost of additional purchased parts
- Streamlined for a better fit, a better aesthetic
- Appearance, and increased clearances on the equipment
- Prevents contamination during machine assembly



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