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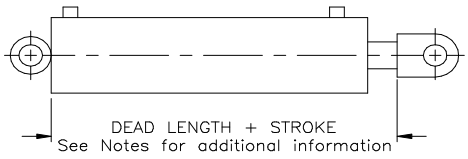
Cylinder dead length

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 Rosenboom Engineering 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.

Light-Medium Duty cylinders

Rod \ Bore	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



Medium-Heavy Duty cylinders

Rod \ Bore	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	9.13	9.13				
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	9.25	9.25	9.63	9.88		
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	9.88	10.13		
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																10.25	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