

Swing Cylinder - Application Information

- Arm length can effect clamping pressure - See Chart and Data
- Weight should be considered when utilizing modified or special arms, other than those provided by Jergens. Excessive weight and length may damage external rotating components.
- Speed of operation is a major consideration. All swing cylinders **MUST BE USED WITH FLOW LIMIT VALVES** to show the rotation action.
- Full second rotation time is recommended.
- Care should be used when select hydraulic power sources - be aware of maximum operating pressures.

Swing Cylinder Arm Ratings

Small Cylinders (1,100#) p/n's 60660, 60670, 60661, & 60671	
input pressure (psi)	max. arm length (in)
1,500	5.0
1,750	4.3
2,000	3.8
2,250	3.3
2,500	3.0
2,750	2.7
3,000	2.5
3,250	2.3
3,500	2.1
3,750	2.0
4,000	1.9
4,250	1.8
4,500	1.7
4,750	1.6
5,000	1.5

Medium Cylinders (2,600#) p/n's 60662, 60672, 60663, & 60673	
input pressure (psi)	max. arm length (in)
1,666	6.0
1,750	5.7
2,000	5.0
2,250	4.4
2,500	4.0
2,750	3.6
3,000	3.3
3,250	3.1
3,500	2.9
3,750	2.7
4,000	2.5
4,250	2.4
4,500	2.2
4,750	2.1
5,000	2.0

Large Cylinders (5,000#) p/n's 60664, 60674, 60665, & 60675	
input pressure (psi)	max. arm length (in)
1,923	6.5
2,000	6.3
2,250	5.6
2,500	5.0
2,750	4.5
3,000	4.2
3,250	3.8
3,500	3.6
3,750	3.3
4,000	3.1
4,250	2.9
4,500	2.8
4,750	2.6
5,000	2.5

Max. Arm Length vs. Pressure

