

LPTC

3000 PSI DOUBLE ACTING TIE-ROD

Hydraulic Cylinder

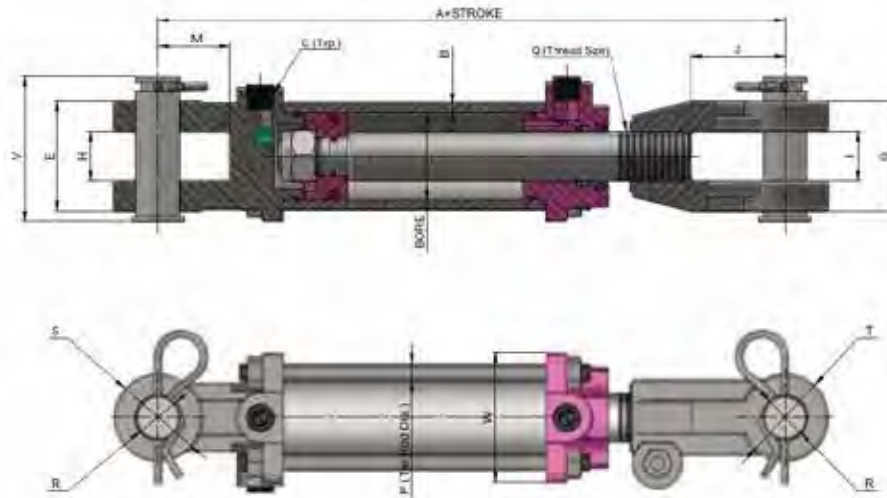


MODEL	Bore x Stroke (inch)	Shaft Dia. (inch)	Center to center of pin (inch)		Max Rated PSI & Column Load On Full Extension		Weight (lbs)
			Retracted	Extended	PSI	LBS	
LPTC-2004	2 X 4	1.125	14.25	18.25	Full PSI	7,854	15.6
LPTC-2006	2 X 6	1.125	16.25	22.25	Full PSI	7,854	16.5
LPTC-2008	2 X 8	1.125	18.25	26.25	Full PSI	7,854	17.8
LPTC-2010	2 X 10	1.125	20.25	30.25	Full PSI	7854	20
LPTC-2012	2 X 12	1.125	22.25	34.25	Full PSI	7,854	21
LPTC-2014	2 X 14	1.125	24.25	38.25	Full PSI	7,854	22
LPTC-2016	2 X 16	1.125	26.25	42.25	Full PSI	7,854	22.9
LPTC-2018	2 X 18	1.125	28.25	46.25	Full PSI	7,854	24
LPTC-2020	2 X 20	1.125	30.25	50.25	Full PSI	7,854	24.9
LPTC-2024	2 X 24	1.125	34.25	58.25	2180	6,850	27
LPTC2030	2 X 30	1.125	40.25	70.25	1500	4,700	34.9
LPTC-2036	2 X 36	1.125	46.25	82.25	1090	3,430	39.9

MODEL	Bore x Stroke (inch)	Shaft Diameter (inch)	Center to center of pin (inch)		Max Rated PSI & Column Load On Full Extension		Weight (lbs)
			Retracted	Extended	PSI	LBS	
LPTC-2504	2 1/2 X 4	1.125	14.25	18.25	Full PSI	12,272	18.0
LPTC-2506	2 1/2 X 6	1.125	16.25	22.25	Full PSI	12,272	19.0
LPTC-2508	2 1/2 X 8	1.125	18.25	26.25	Full PSI	12,272	20.9
LPTC-2510	2 1/2 X 10	1.125	20.25	30.25	Full PSI	12,272	22.0
LPTC-2512	2 1/2 X 12	1.125	22.25	34.25	Full PSI	12,272	24.0
LPTC-2514	2 1/2 X 14	1.125	24.25	38.25	Full PSI	12,272	24.9
LPTC-2516	2 1/2 X 16	1.125	26.25	42.25	Full PSI	12,272	27.0
LPTC-2518	2 1/2 X 18	1.125	28.25	46.25	Full PSI	12,272	27.9
LPTC-2520	2 1/2 X 20	1.125	30.25	50.25	Full PSI	12,272	29.9
LPTC-2524	2 1/2 X 24	1.125	34.25	58.25	2125	10,435	32.9
LPTC-2530	2 1/2 X 30	1.250	40.25	70.25	1460	7,175	44.9
LPTC-2536	2 1/2 X 36	1.250	46.25	82.25	1065	5,232	56.0



1. Pin Clip.....High Tensile Zinc Plated Steel
2. Pin.....High Tensile Zinc Plated Steel
3. Port Plug.....Plastic
4. Piston Nut.....Nyloc Nut, grade 8, High Tensile Zinc Plated
5. Tie Rod.....ASTM 4140, High Tensile, Rolled Threads For Durability
6. Tube.....High Tensile Cold Drawn Tube, Precision Honed For Extended Seal Life
7. Rod.....High Tensile SAE C1045, Ground & Polished Hard Chrome Plated Rod
8. Tie Rod Nut.....Grade 8
9. Female Rod Clevis.....Ductile Iron ASTM A536 654512
10. Clevis Clamp Bolt.....Grade 10.9
11. Clevis Clamp Nut.....Grade 10
12. Gland.....Ductile Iron ASTM A536 654512
13. Piston.....Ductile Iron ASTM A536 654512 For Excellent Life
14. Port Plug (Sealed).....Steel w/Teflon Tape
15. Cap.....Ductile Iron ASTM A536 654512
- A. Wiper.....Polyurethane
- B. Rod Seal.....Std Polypak With B Lip Design (Poly U-cup With Nitrile O-Ring Expander)
- C. Tube Seal.....O-Ring + Back Up Ring
- D. Piston ID Seal.....O-Ring
- E. Piston OD Seal.....Hythane 181 + Nitrile Energiser (Sq C.Section)
Glass Reinforced Nylon 66



Bore	A*	B	C*	E	G	H	I	J	M	P	Q	R*	S	T	V
2.0	10.25	0.188	3/8" NPTF (SAE 6#)	2.500	2.500	1.165	1.165	2.125	2.06	M10	1.125"-12 UNF	1	2.00	2.00	3.30
2.5	10.25	0.188	3/8" NPTF (SAE 6#)	2.500	2.500	1.165	1.165	2.125	2.06	M10	1.125"-12 UNF	1	2.00	2.00	3.30
3.0	10.25	0.188	1/2" NPTF (SAE 8#)	2.500	2.720	1.165	1.165	2.125	2.00	M12	1.250"-12 UNF	1	2.00	2.25	3.48
3.5	10.25	0.188	1/2" NPTF (SAE 8#)	2.716	2.720	1.280	1.165	2.125	2.00	M14	1.250"-12 UNF	1	2.25	2.25	3.48
4.0	10.25	0.250	1/2" NPTF (SAE 8#)	2.874	2.720	1.280	1.165	2.125	2.00	M16	1.250"-12 UNF	1	2.50	2.25	3.48
5.0	12.25	0.250	1/2" NPTF (SAE 8#)	2.875	2.953	1.30	1.200	2.125	2.12	M20	1.500"-12 UNF	1	2.80	2.80	3.72

A*: 12.50" for 8" stroke ASAE cylinders and 15.50" for 16" stroke ASAE cylinders;

C*: (PORT): NPTF is standard and SAE port is available;

R*: (Pin diameter): 1.25" for 16" stroke ASAE cylinder form 3.0" to 5" bore.