

WELDED HYDRAULIC CYLINDERS



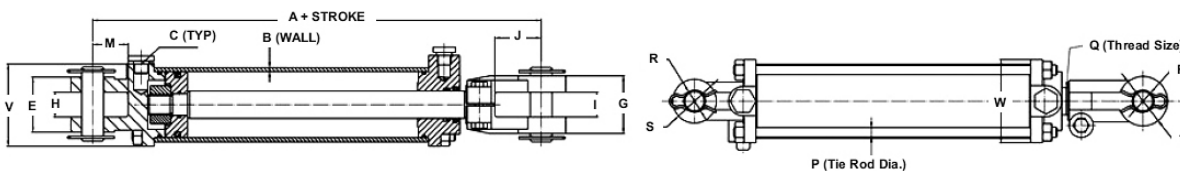
MAXIM™ TC TIE-ROD CYLINDERS

The MAXIM™ TC 2500 PSI tie-rod cylinder was originally designed for rugged agricultural applications, making it well suited to perform in demanding applications in any industry. This cylinder provides value pricing without sacrificing quality. Each cylinder undergoes rigorous testing that exceeds industry standards and ensures maximum reliability and performance. It is available in bore sizes from 2" to 4", standard strokes from 4" to 48", and has a 2,500 PSI operating range.

2500 PSI

DESCRIPTION

Intended Use: Double-acting applications • **Piston:** Ductile iron ASTM A536 65-45-12 for excellent life • **Piston Lock Nut :** Grade 8, high tensile zinc-plated • **Gland:** Ductile iron ASTM A536 65-45-12 • **Tube:** High tensile cold drawn tube, precision honed for extended seal life • **Tube seal:** O-ring • **Rod:** High tensile ground & polished hard chrome plated rod • **Rod seal:** Std PolyPak with B lip design (Polyurethane U-cup with nitrite O-ring expander) • **Wiper:** Polyurethane • **End Mounts:** Ductile iron female clevises with pins and clips included • **Clevis Clamp Bolt:** Grade 8.8 • **Clevis Clamp Nut:** Grade 8 • **Pin and Pin clip:** High tensile zinc-plated steel • **Piston ID Seal:** O-ring • **Piston OD seal:** Hallite 755 Piston Seal • **Tie Rod:** ASTM 5140, high tensile, rolled threads for durability • **Tie rod nut:** Grade 8 • **Cap:** Ductile iron ASTM A536 65-45-12 • **Ports:** NPT • **Port Plug (shipping):** Plastic • **Port Plug (Sealed):** Pre-coated steel • **Paint:** Black • **Packaging:** Individually poly bagged



Dimensional Data in Inches (Millimeters)

BORE	DIMENSIONS															
	A*	B	C	E	G	H	I	J	M	P	Q	R**	S	T	V	W
2.000 (50.8)	10.250 (260.4)	0.189 (4.80)	3/8" NPT	2.500 (63.5)	2.500 (63.5)	1.165 (29.6)	1.165 (29.6)	2.125 (54.0)	2.000 (50.8)	0.394 (10)	1/8-12 UNF	1.000 (25.4)	2.000 (50.8)	2.000 (50.8)	2.875 (73.0)	2.835 (72.0)
2.500 (63.5)	10.250 (260.4)	0.189 (4.80)	3/8" NPT	2.500 (63.5)	2.500 (63.5)	1.165 (29.6)	1.165 (29.6)	2.125 (54.0)	2.000 (50.8)	0.394 (10)	1/8-12 UNF	1.000 (25.4)	2.000 (50.8)	2.000 (50.8)	3.385 (85.9)	3.150 (80.0)
3.000 (76.2)	10.250 (260.4)	0.189 (4.80)	1/2" NPT	2.56 (65.0)	2.72 (69.1)	1.165 (29.6)	1.165 (29.6)	2.125 (54.0)	2.000 (50.8)	0.472 (12)	1/4-12 UNF	1.000 (25.4)	2.000 (50.8)	2.27 (57.7)	4.020 (102.1)	3.780 (96.0)
3.500 (88.9)	10.250 (260.4)	0.218 (5.53)	1/2" NPT	2.56 (65.0)	2.72 (69.1)	1.165 (29.6)	1.165 (29.6)	2.125 (54.0)	2.000 (50.8)	0.551 (14)	1/4-12 UNF	1.000 (25.4)	2.27 (57.7)	2.27 (57.7)	4.5 (114.3)	4.250 (108.0)
4.000 (101.6)	10.250 (260.4)	0.244 (6.20)	1/2" NPT	2.76 (70.1)	2.72 (69.1)	1.165 (29.6)	1.165 (29.6)	2.125 (54.0)	2.000 (50.8)	0.630 (16)	1/4-12 UNF	1.000 (25.4)	2.27 (57.7)	2.27 (57.7)	5.08 (129.0)	4.920 (125.0)

A* 12.25" (311.2) for 8" (203.2) stroke ASAE cylinders and 15.50" (393.7) for 16" (406.4) stroke ASAE cylinders. ** (Pin diameter): 1.25 (31.75) for 16" (406.4) stroke ASAE cylinders from 3" to 4" bore.