

## Maxim Double Acting Tie-Rod Cylinder



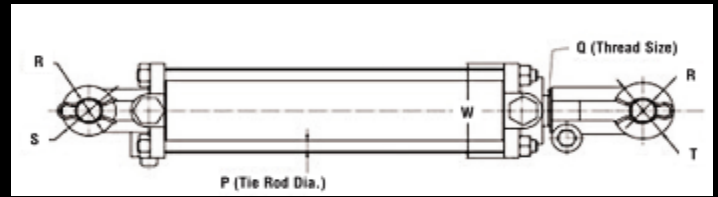
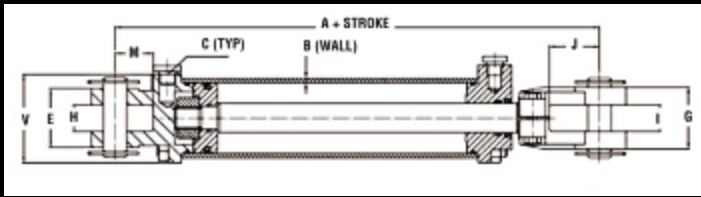
The Maxim Tie-Rod cylinder is designed to perform in agricultural industry as well as other industries.

### Features:

- **Designed For:** Double-acting applications only
- **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 SAE C1045, ground & polished hard chrome plated rod
- **Rod seal:** Std PolyPak with B lip design (Polyurethane U-cup with nitrile O-ring expander)
- **Wiper:** Polyurethane
- **End Mounts:** Female Rod Clevis Ductile iron 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:** Bronze impregnated PTFE piston ring w/rectangular CS nitrile expander
- **Tie Rod:** ASTM 5140, high tensile, rolled threads for durability
- **Tie rod nut:** Grade 8
- **Cap:** Ductile iron ASTM A536 65-45-12
- **Port Plug (shipping):** Plastic
- **Port Plug(Sealed):** Steel w/teflon tape
- **Paint:** Black
- **Packaging:** Individually poly bagged and boxed

\*Not all items shown are guaranteed in stock\*

\*Call for availability\*



### Dimensional Data in Inches (Millimeters)

Bore	A	B	C	E	G	H	I	J	M	P	Q	R	S	T	V	W
2.00 (50.8)	10.250 (260.4)	0.189 (4.80)	3/8" NPT	2.500 (63.5)	2.500 (63.5)	1.125 (28.6)	1.125 (28.6)	2.125 (54.0)	1.625 (41.3)	0.394 (10)	11/8-12 UNF	1.000 (25.4)	2.000 (25.4)	2.000 (50.8)	2.835 (72.0)	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)	1.125 (28.6)	1.125 (28.6)	2.125 (54.0)	1.625 (41.3)	0.394 (10)	11/8-12 UNF	1.000 (25.4)	2.000 (25.4)	2.000 (50.8)	3.150 (80.0)	3.150 (80.0)
3.000 (76.2)	10.250 (260.4)	0.189 (4.80)	1/2" NPT	2.500 (63.5)	2.625 (66.7)	1.125 (28.6)	1.125 (28.6)	2.125 (54.0)	1.625 (41.3)	0.472 (12)	11/4-12 UNF	1.000 (25.4)	2.000 (25.4)	2.250 (57.2)	3.800 (96.5)	3.800 (96.5)
3.500 (88.9)	10.250 (260.4)	0.218 (5.53)	1/2" NPT	2.500 (63.5)	2.625 (66.7)	1.125 (28.6)	1.125 (28.6)	2.125 (54.0)	1.625 (41.3)	0.551 (14)	11/4-12 UNF	1.000 (25.4)	2.250 (57.2)	2.250 (57.2)	4.250 (108.0)	4.250 (108.0)
4.000 (101.6)	10.250 (260.4)	0.244 (5.60)	1/2" NPT	2.625 (66.7)	2.625 (66.7)	1.125 (28.6)	1.125 (28.6)	2.125 (54.0)	1.625 (41.3)	0.630 (16)	11/4-12 UNF	1.000 (25.4)	2.250 (57.2)	2.250 (57.2)	4.920 (125.0)	4.920 (125.0)

#### 2" Bore • 2500 psi

Item #	Stroke	Rod Diameter	Column Load	Port Size	Pin Diameter
218-297	4"	1 1/8"	7850 lbs.	3/8 NPTF	1"
218-298	6"	1 1/8"	7850 lbs.	3/8 NPTF	1"
218-299	8"	1 1/8"	7850 lbs.	3/8 NPTF	1"
218-300	8"	1 1/8"	7850 lbs.	3/8 NPTF	1"
218-306	10"	1 1/8"	7850 lbs.	3/8 NPTF	1"
218-307	12"	1 1/8"	7850 lbs.	3/8 NPTF	1"
218-308	14"	1 1/8"	7850 lbs.	3/8 NPTF	1"
218-309	16"	1 1/8"	7850 lbs.	3/8 NPTF	1"
218-310	18"	1 1/8"	7850 lbs.	3/8 NPTF	1"
218-311	20"	1 1/8"	6950 lbs.	3/8 NPTF	1"
218-312	24"	1 1/8"	5180 lbs.	3/8 NPTF	1"

#### 3" Bore • 2500 PSI

Item #	Stroke	Rod Diameter	Column Load	Port Size	Pin Diameter
218-333	4"	1 1/4"	17670 lbs.	1/2" NPTF	1"
218-334	6"	1 1/4"	17670 lbs.	1/2" NPTF	1"
218-335	8"	1 1/4"	17670 lbs.	1/2" NPTF	1"
218-302	8 ASAE"	1 1/4"	17670 lbs.	1/2" NPTF	1"
218-336	10"	1 1/4"	17670 lbs.	1/2" NPTF	1"
218-337	12"	1 1/4"	17670 lbs.	1/2" NPTF	1"
218-338	14"	1 1/4"	17670 lbs.	1/2" NPTF	1"
218-339	16"	1 1/4"	17670 lbs.	1/2" NPTF	1"
218-340	16 ASAE"	1 1/4"	17670 lbs.	1/2" NPTF	1 1/4"
218-341	18"	1 1/4"	12690 lbs.	1/2" NPTF	1"
218-342	20"	1 1/4"	10780 lbs.	1/2" NPTF	1"

#### 3 1/2" Bore • 2500 PSI

Item #	Stroke	Rod Diameter	Column Load	Port Size	Pin Diameter
218-347	4"	1 1/4"	24050 lbs.	1/2" NPTF	1"
218-348	6"	1 1/4"	24050 lbs.	1/2" NPTF	1"
218-349	8"	1 1/4"	24050 lbs.	1/2" NPTF	1"
218-303	8" ASAE	1 1/4"	24050 lbs.	1/2" NPTF	1"
218-350	10"	1 1/4"	24050 lbs.	1/2" NPTF	1"
218-351	12"	1 1/4"	24050 lbs.	1/2" NPTF	1"
218-352	14"	1 1/4"	18730 lbs.	1/2" NPTF	1"
218-353	16"	1 1/4"	15390 lbs.	1/2" NPTF	1"
218-354	16" ASAE	1 1/2"	22050 lbs.	1/2" NPTF	1 1/4"
218-355	18"	1 1/4"	12870 lbs.	1/2" NPTF	1"
218-356	20"	1 1/4"	10920 lbs.	1/2" NPTF	1"

#### 4" Bore • 2500 PSI

Item #	Stroke	Rod Diameter	Column Load	Port Size	Pin Diameter
218-360	8"	1 1/2"	31410 lbs.	1/2" NPTF	1"
218-304	8" ASAE	1 1/2"	31410 lbs.	1/2" NPTF	1"
218-361	10"	1 1/2"	31410 lbs.	1/2" NPTF	1"
218-362	12"	1 1/2"	31410 lbs.	1/2" NPTF	1"
218-363	14"	1 1/2"	31410 lbs.	1/2" NPTF	1"
218-364	16"	1 1/2"	31410 lbs.	1/2" NPTF	1"
218-365	16" ASAE	2"	31410 lbs.	1/2" NPTF	1 1/4"
218-366	18"	1 1/2"	31410 lbs.	1/2" NPTF	1"
218-367	20"	1 1/2"	22600 lbs.	1/2" NPTF	1"
218-305	24"	1 1/2"	16870 lbs.	1/2" NPTF	1"
218-332	24"	2"	31410 lbs.	1/2" NPTF	1"

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