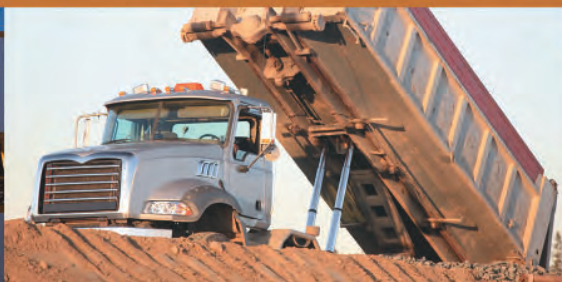




# MAST RAISING TELESCOPIC CYLINDERS



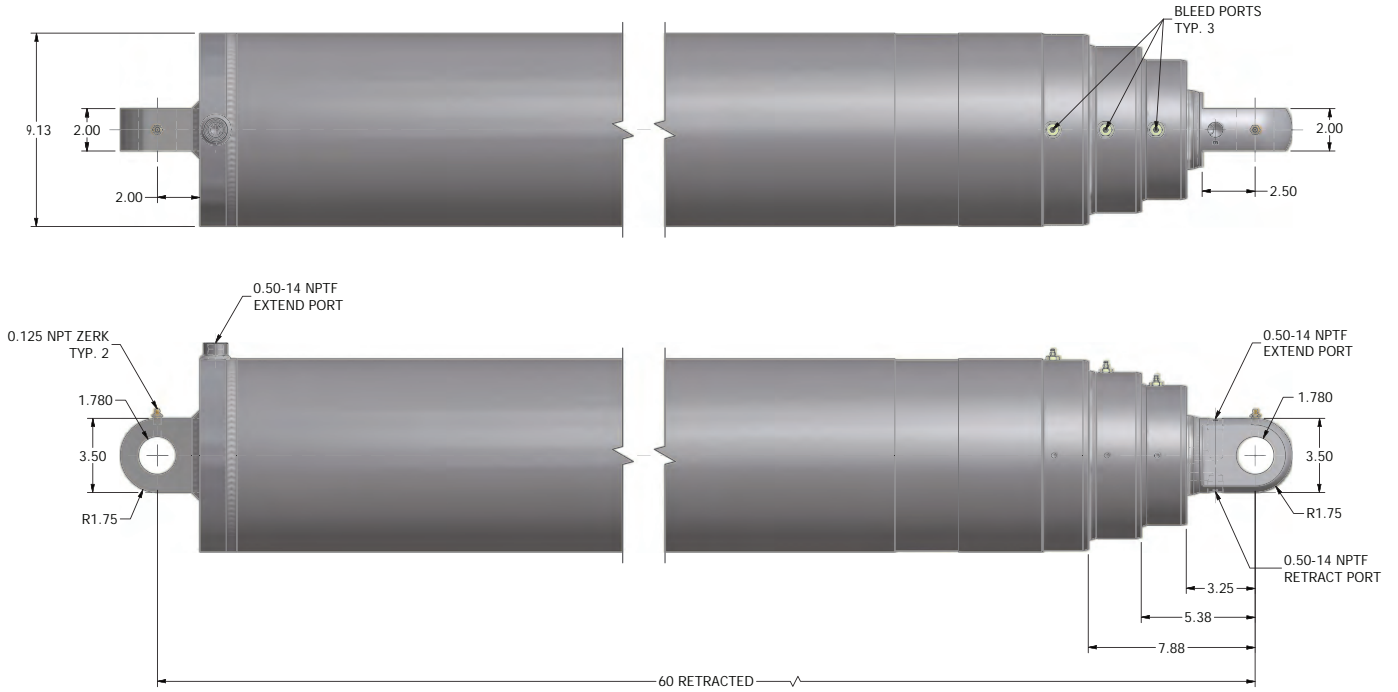
**OEM HYDRAULIC CYLINDER SPECIALISTS**



# MAST RAISING

**RAM** Industries produces Mast Raising Telescopic cylinders to accommodate the needs of the oil and gas industry. These featured RAM designs are interchangeable with accepted current industry standards. They are available for quick shipping turnaround - important to an industry where time matters.

RAM offers 45 years of cylinder design and manufacturing experience to accommodate customized hydraulic solutions for your application.



NPT=American National Standard Taper Pipe Thread  
NPTF=Dryseal American Standard Taper Pipe Thread

**RAM Model: CW-8.50-131.50-8.00**  
**Part Number: R4507986**

SPECIFICATIONS (inches)

Single Acting with Double Acting Third Stage  
Pressure Rating: 2500 PSI  
Bore Sizes: 8.50 / 7.25 / 6.25  
Shaft Sizes: 8.00 / 6.75 / 3.75  
Stroke Length: 131.50

Operating Parameters @ 2500 PSI			
Stage	Push (lbf)	Pull (lbf)	Stroke (inches)
1	125600	-	42.25
2	89400	-	44.00
3	76700	49050	45.25

All specifications are subject to change without notice.



**MAST RAISING**  
**TELESCOPIC CYLINDERS**

# STANDARD FEATURES

**Intended Use:** Single acting with double acting assist

**Rated Pressure:** 2500 PSI

**Rod Material:** High tensile SAE C1026/St52.3, ground and polished hard chrome plated

**Barrel Material:** High tensile SAE C1026/St52.3 cold drawn tube precision honed for extended seal life

**Gland Material:** Ductile iron 65-45-12 (ASTM A536) or steel (AISI 1026)

**Piston Material:** Ductile iron 65-45-12 (ASTM A536) or steel (AISI 1026)

**End Mounts:** Tang mounting on rod & base with standard grease zerk

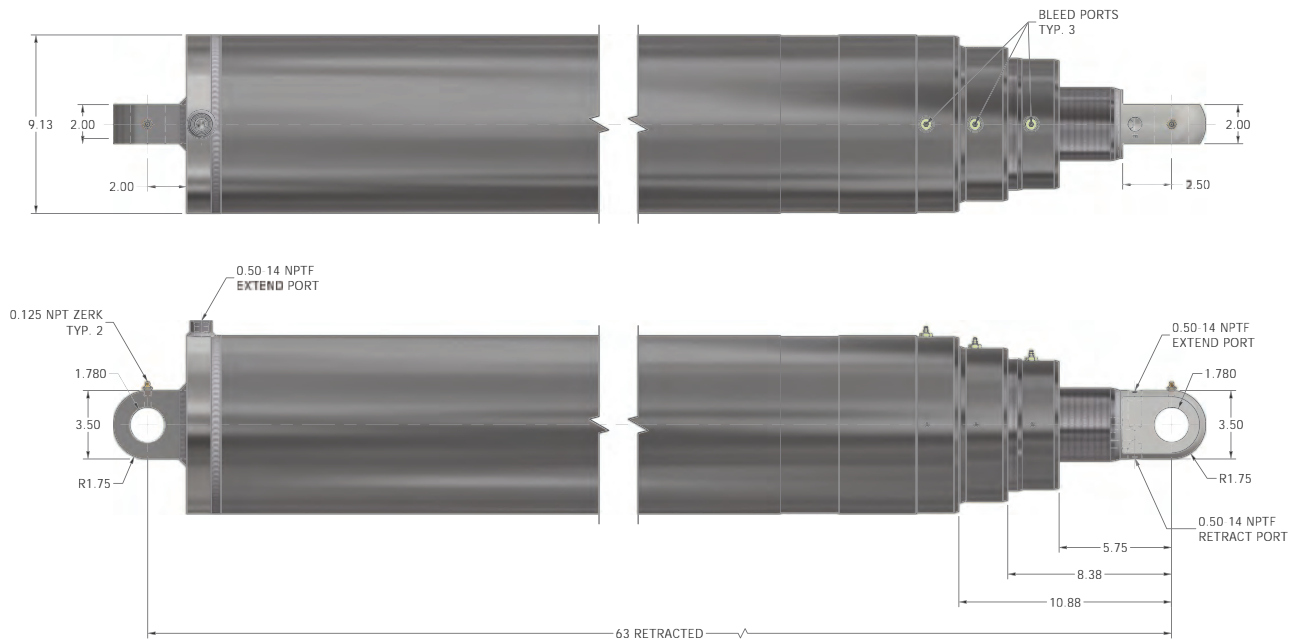
**Ports:** NPTF

**Port Plugs:** High quality steel

**Internal Seals:** North American

**Paint Finish:** 2 part urethane black

**Testing:** 100% full cycle tested



**NPT**=American National Standard Taper Pipe Thread  
**NPTF**=Dryseal American Standard Taper Pipe Thread

**RAM Model:** CW-8.50-132.00-8.00

**Part Number:** R4507888

**SPECIFICATIONS (inches)**

Single Acting with Double Acting Third Stage

Pressure Rating: 2500 PSI

Bore Sizes: 8.50 / 7.25 / 6.25

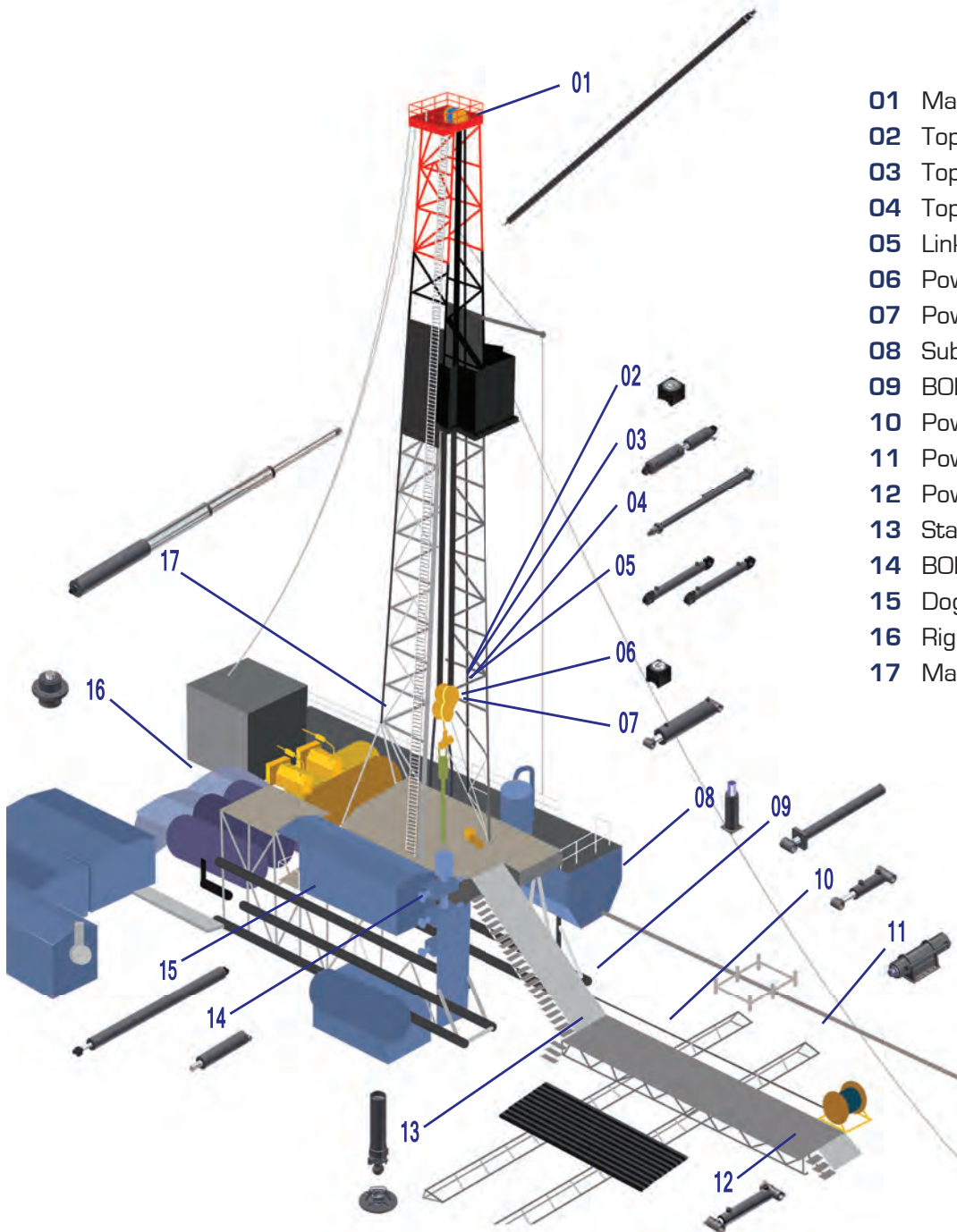
Shaft Sizes: 8.00 / 6.75 / 3.75

Stroke Length: 132

Operating Parameters @ 2500 PSI			
Stage	Push (lbf)	Pull (lbf)	Stroke (inches)
1	125600	-	42.25
2	89400	-	44.00
3	76700	49050	45.75

All specifications are subject to change without notice.

**RAM** hydraulic cylinders are used extensively on oil rigs applications as well as other oil and gas related equipment. A wide range of cylinder designs and sizes are incorporated into rig works to provide the various functions needed to operate the unit. These cylinders operate under very demanding conditions with extremes in temperature and environments and must be designed to ensure 24/7 reliability. RAM has over 45 years of expertise in designing and supplying of hydraulic cylinders for the oil and gas sector. RAM custom designs consistently meet the quality, dependability and quick reaction expected by this fast paced industry. RAM has the experience to provide the innovative designs required by this innovative sector.



- 01** Mast Scoping Cylinder
- 02** Top Drive Grabber Cylinder
- 03** Top Drive Counterbalance Cylinder
- 04** Top Drive Backup Wrench Cylinder
- 05** Link Tilt/Grabber Leg Cylinder
- 06** Power Wrench Grabber Cylinder
- 07** Power Wrench Arm Cylinder
- 08** SubFrame Leveling Cylinder
- 09** BOP Trolley Cylinder
- 10** Power Catwalk Indexer Cylinder
- 11** Power Catwalk Outrigger Cylinder
- 12** Power Catwalk Kicker Cylinder
- 13** Stabilizer Pad Cylinder
- 14** BOP Handler Lift Cylinder
- 15** Doghouse Cylinder
- 16** Rig Mover Jack Cylinder
- 17** Mast Raise Cylinder





## **RAM** INDUSTRIES INC.

PO Box 5007 33 York Rd E Yorkton, SK S3N3Z4 Canada

T: 1-877-799-1005 • F: (306) 786-2651

[www.ramindustries.com](http://www.ramindustries.com) • [sales@ramindustries.com](mailto:sales@ramindustries.com)

[www.linkedin.com/company/ram-industries-inc](http://www.linkedin.com/company/ram-industries-inc)



[www.ramindustries.com](http://www.ramindustries.com)

Hydraulic Cylinder Design & Manufacturing • Precision Custom Machining