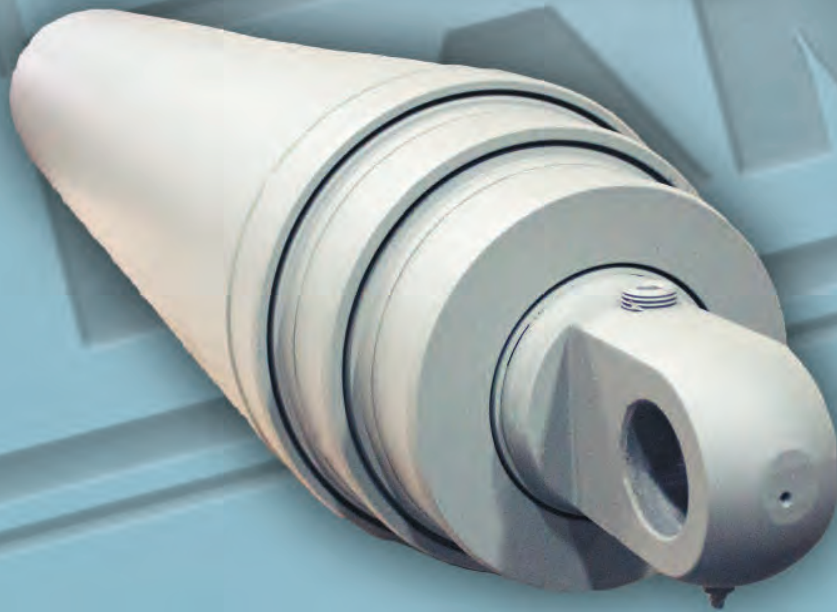




MAST RAISING TELESCOPIC CYLINDERS



OEM HYDRAULIC CYLINDER SPECIALISTS



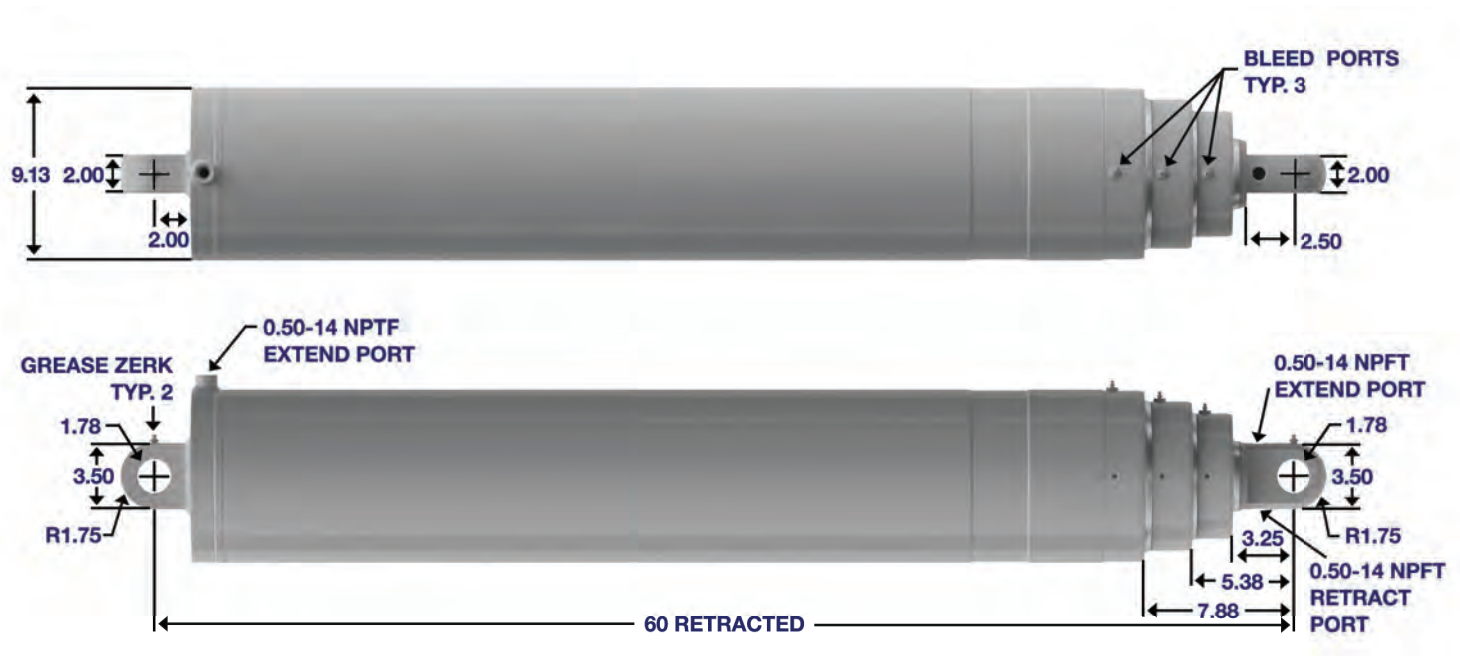
MAST RAISING

RAM Industries produces Mast Raising Telescopic cylinders. When deployed, most masts do not have an even center of gravity. RAM Mast Raising cylinders are a unique hybrid of single and double-acting designs. The first stages of the cylinder are single-acting, with the last stage being double-acting to pull the weight of the load back over the center.

RAM's standard mast raising cylinder designs are frequently used on smaller service rigs. These cylinders comply with industry standards and offer a 60-inch retracted length and 8.50 inch base bore size with 2500 PSI operating pressure. RAM ensures these cylinders are well supported internally to withstand the loading demands during deployment. The default mount includes tang mounting on the rod and base with standard grease zerks to provide lubrication to the joint.

RAM also has experience producing larger or even smaller mast raising cylinders. RAM offers over 50 years of cylinder design and manufacturing experience to accommodate customized hydraulic solutions for your application.

Contact RAM Industries to discuss your mast raising cylinder needs.



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

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

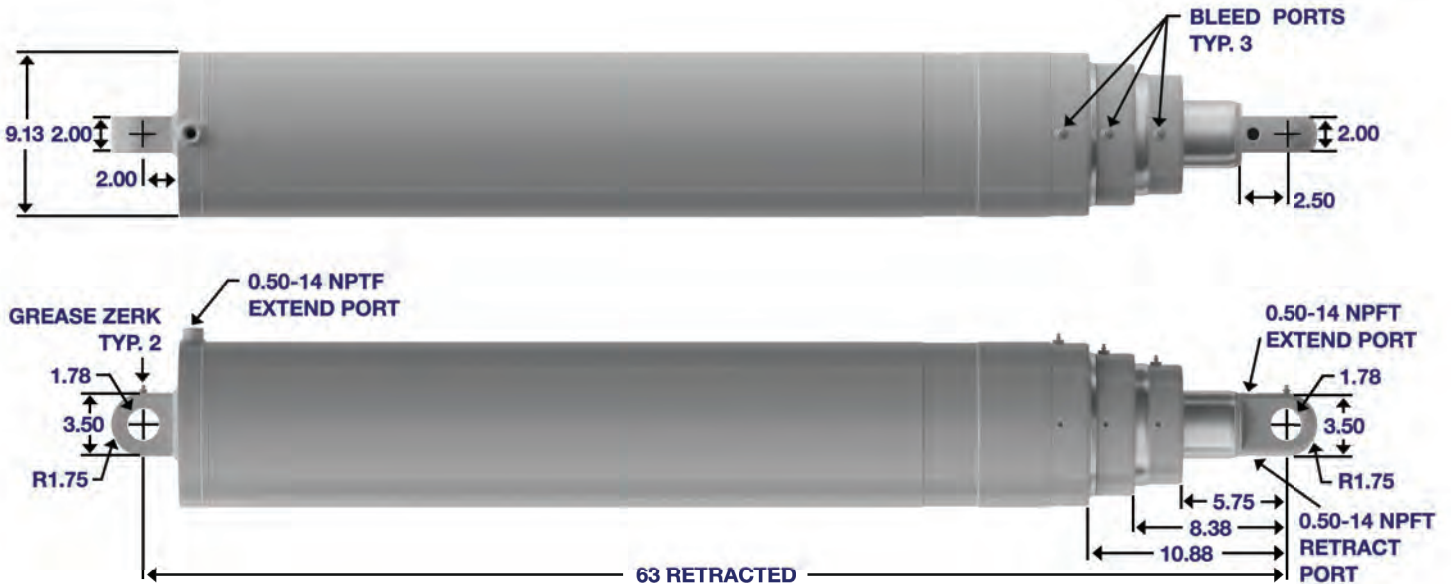
Ports: NPTF

Port Plugs: High quality steel

Internal Seals: North American

Paint Finish: 2 part urethane black

Testing: 100% full cycle tested



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

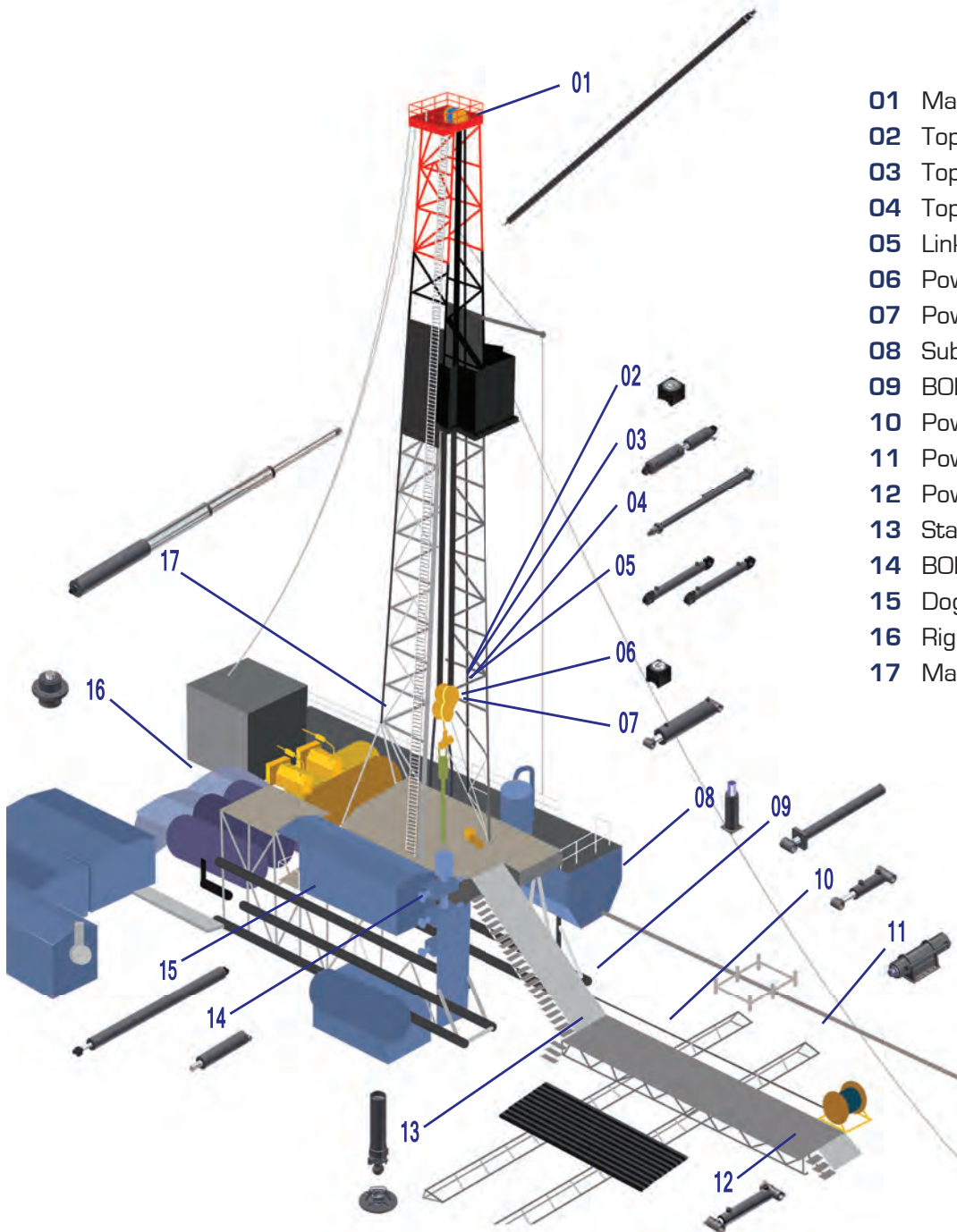
Shaft Sizes: 8.00 / 6.75 / 3.75

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



**MAST RAISING
TELESCOPIC CYLINDERS**



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