

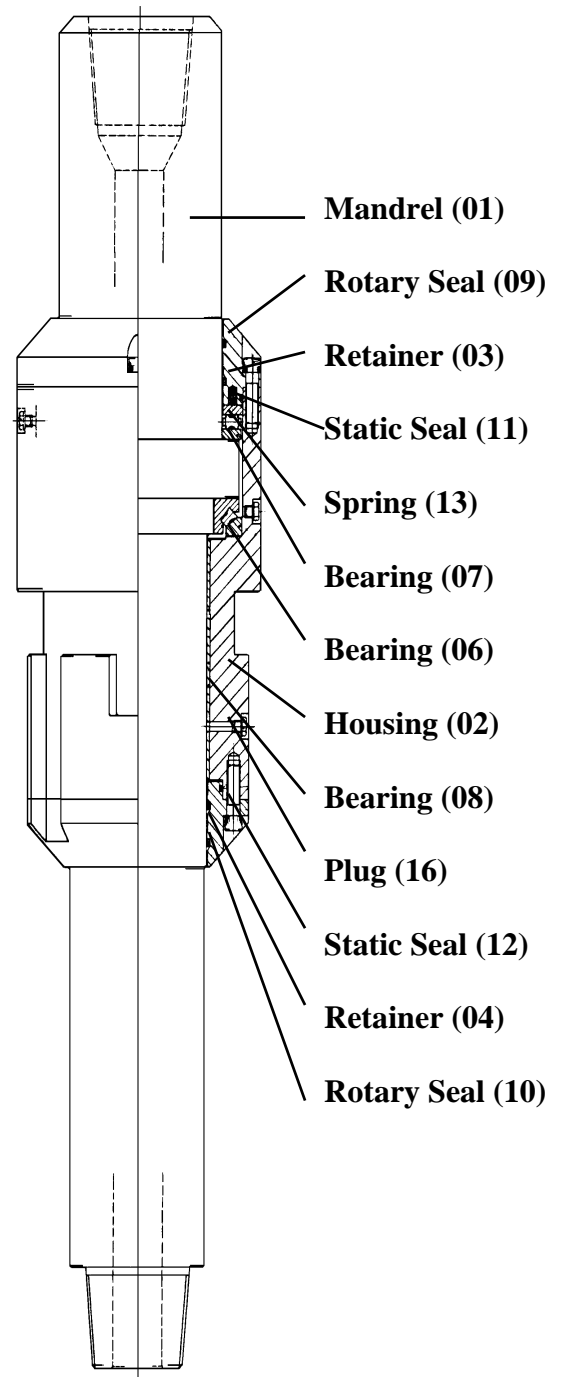
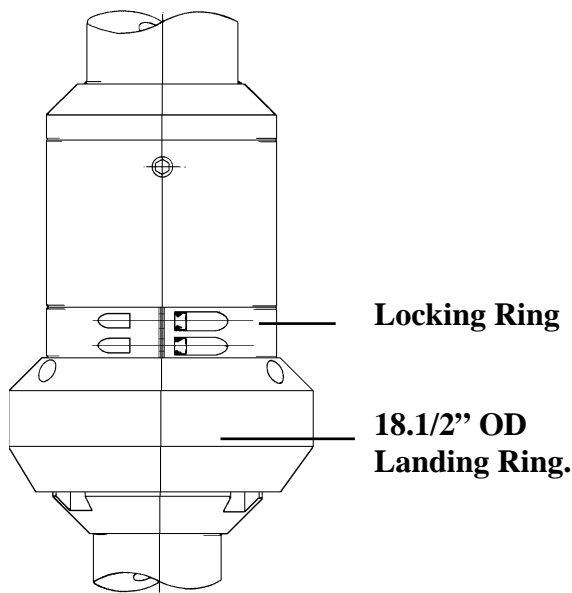
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PIONEER MS 1400 MARINE

The PIONEER Marine Swivel is precision engineered to accommodate thrust loads of up to 600,000 lbs. and all the radial and eccentric loads associated with a suspended cutting string.

This swivel can be dressed to land on 13.3/8" up to 30" dia. casing and the simple bayonet feature (requiring the removal of only two bolts in the Locking Ring), allows the Landing Ring to be changed in minutes.



MS 1400 dressed with Landing Ring

“QUALITY + DELIVERY IS OUR PRIORITY”

DISMANTLING PROCEDURE

1. Remove the two cap screws securing the Locking Ring, open the Locking Ring and remove.
2. Lift Landing Ring and rotate to the left until dogs line up with slots in Swivel Housing, slide Landing Ring down to remove.
3. Unscrew socket head cap screw from Bottom Retainer (04). Remove Retainer.
4. Remove socket head cap screws from Top Retainer.
5. Remove Swivel Housing (02) from Mandrel (01) by sliding down over lower end of Mandrel.
6. Remove Top Seal Retainer (03) up over top of Mandrel.
7. Using bearing puller remove Bearings from Mandrel and Housing.
8. Thoroughly clean all parts and inspect for damage. Replace if necessary

ASSEMBLY PROCEDURE

1. Grease all moving parts, with good quality waterproof grease.
2. Fit Bearing (07) to Mandrel (01) ensure that Bearing Plate with Mandrel location dia. is fitted first.
3. Fit Top Rotary Seals (09) and Static Seal (11) to Top Seal Retainer (03), locate Bearing Pre-load Springs (13). Fit Retainer to Mandrel.
4. Fit Radial Bearings (08) to Swivel Housing (02). Drill through grease hole, deburr and carefully remove cuttings. Fit outer race of Bearing (06) in Swivel Housing.
5. Grip Mandrel in vice. Fit Inner Shell of Bearing (06) to Mandrel. Fit Swivel Housing to Mandrel. Locate Top Seal Retainer (03) and tighten up.
6. Fit Bottom Rotary Seals (10) and Static Seal (12) to Bottom Retainer (04).
Fit Retainer to Swivel Housing (02). Use 2 off 3/4" UNC threaded studs to locate holes in Retainer and Housing, tighten up.
7. Using Lubrication Adaptor grease Bearings.
After greasing fit Shoulder Plugs (16) using Dowty Seals.
8. Fit appropriate Landing Ring.
9. Fit Locking Ring.