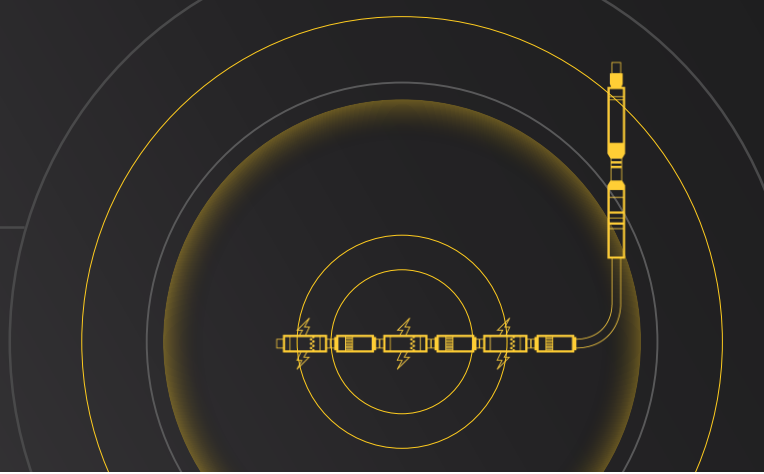


TECH DATA SHEET

Ball Landing Collar

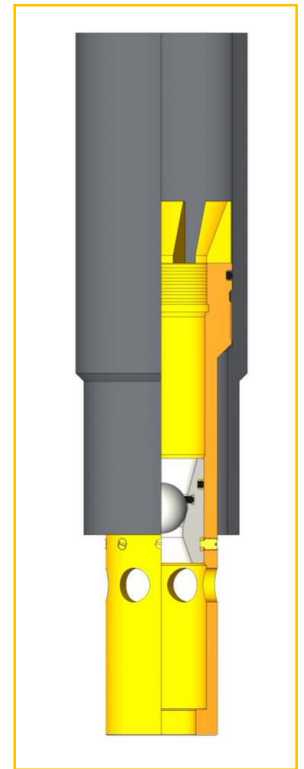


OVERVIEW

Ball Seat Landing Collar is a component used when running hydraulic set Liner Hangers. The Landing collar is installed near the bottom of the liner string. This tool allows for the landing of a ball to hydraulically actuate up-hole tools. The landing collar also has a profile to stop and latch the liner wiper plug during the primary cementing operation, and a mating clutch design that prevents rotation during liner drill-out.

FEATURES

- Ball seat pressure is field adjustable without disassembly
 - ❖ Adjustable shear up to 5,000 psi
- Once ball seat is sheared, the ball and seat are contained within the landing collar so no debris flows downhole to foul the float equipment.
- Aluminum internal parts are PDC drillable
- Latching liner wiper plug profile
- ❖ 5,000 psi pressure rating from above and below when plug/s are latched
- ❖ Clutch profile prevents wiper plug/s from spinning during drill-out
- Full casing ID after drill-out
- Matching liner connections and material on outer housing
- Meets or exceeds liner tensile, burst and collapse ratings



Specifications and Dimensions

| Liner Size | OD | ID | Ball Size | Liner Wiper Seal Bore ID | Number of Shear Pins | Value of Shear Per Pins | Threads | Material | Tensile |
|------------|-------|-------|-----------|--------------------------|----------------------|-------------------------|-------------|----------|--------------|
| 4.5" | 5.00" | 1.25" | 1.50" | 2.528" | 10 | 448psi +/- 5% | As Required | P110 | As Per Liner |
| 5" | 5.60" | 1.25" | 1.50" | 2.528" | 10 | 448psi +/- 5% | As Required | P110 | As Per Liner |
| 7" | 7.85" | 1.60" | 1.75" | 3.058" | 10 | 495psi +/- 5% | As Required | P110 | As Per Liner |

Brass & Phenolic Balls Provided (Phenolic 1.9SG)

