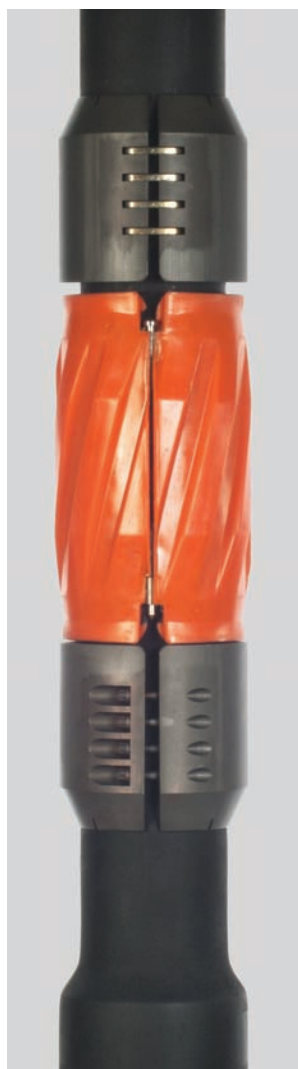


WWT Super Slider 3 (SS3) Non-Rotating Protectors (NRP)



- Reduce torque and drag
- Protect against casing and riser wear
- Reduce buckling, heat checking, vibration and stick slip
- Open-hole capabilities



Model SS3 Specifications

NRP Model	SS3-400	SS3-450	SS3-500	SS3-550	SS3-578
Drill Pipe Size	4.00"	4.50"	5.00"	5.50"	5.88"
Sleeve OD	5.75"	6.75"	7.30"	7.75"	8.00"
Collar OD	5.38"	6.00"	6.50"	7.00"	7.38"
Assembly Length	24.00"	25.25"	25.25"	25.25"	25.25"
Side-Load Rating	2,200 lbs.	3,000 lbs.	3,000 lbs.	3,000 lbs.	3,500 lbs.
Total Flow Area					
7" x 29 ppf Casing	6.6 in. ²				
7" x 26 ppf Casing	7.5 in. ²				
7-5/8" x 39 ppf Casing	11.1 in. ²				
9-5/8" x 47 ppf Casing	35.8 in. ²	28.3 in. ²	22.7 in. ²	17.7 in. ²	14.5 in. ²
10-3/4" x 55.5 ppf Casing	51.4 in. ²	43.9 in. ²	38.4 in. ²	33.3 in. ²	30.1 in. ²
13-3/8" x 72 ppf Casing	96.3 in. ²	88.8 in. ²	83.3 in. ²	78.2 in. ²	75.1 in. ²
Collar Material	6061-T651 Extruded Aluminum Alloy				
Sleeve Material	Advanced Low-Friction Polymer, Nitrile Rubber and Alloy Steel Sheet				
Max. Temperature	220° F (105° C)				

Features and Benefits

- New sleeve design enhances torque and drag benefits.
- Positive protection against casing and riser wear during drilling and completion operations.
- Significant torque reduction created by our patented fluid bearing design allows for improved ROP, RPM and hole cleaning.
- Compatible with almost all drilling and completion fluids.
- WWT SS3 Protector design allows for open-hole applications.
- Optimum operating performance range of 20 – 250 RPM.
- Each assembly accepts up to 36,000 lbs. of axial force before slippage.
- Installation time per assembly: less than 1 minute.
- Free, no-obligation, confidential torque, drag and wear analysis.
- Global leadership in some of the world's most challenging drilling environments since 1990.
- On/off-site technical support and direction 24/7.

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Non-Rotating Protector Services

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