

# High-Temperature 3 (HT3) Non-Rotating Protectors (NRP)

Reduce rotary torque • Protect against casing, riser, and drill pipe wear

Reduce buckling, heat checking, vibration and stick-slip • Open-hole capable



HT3 SIZE	500
Drill Pipe Size (in)	5.00
Sleeve Max OD (in)	7.30
Collar OD (in)	6.50
Sleeve Length (in)	12
Sleeve Volume (in <sup>3</sup> )	186
Sleeve Weight (lbs)	12.5
Assembly Weight (lbs)	27.5
Continuous Side-Load Rating (lbs)	2,500
Intermittent Side-Load Rating (lbs)	7,500
Collar Material	6061-T651 Extruded Aluminum Alloy With Features for Wear Resistance
Sleeve Material	HNBR
Max. Temperature	330° F (166° C)

## Features and Benefits:

- Positive protection against casing and riser wear during drilling operations.
- Significant torque reduction created by WWT's patented fluid bearing improves ROP, RPM, and hole cleaning.
- Compatible with almost all drilling and completion fluids.
- Optimum operating performance range of 30 - 250 RPM.
- HT3 Protector design allows for open-hole applications.
- Reduces drillstring and surface equipment stress.
- Each assembly accepts up to 30,000 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 1989.
- On/off-site technical support 24/7.



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