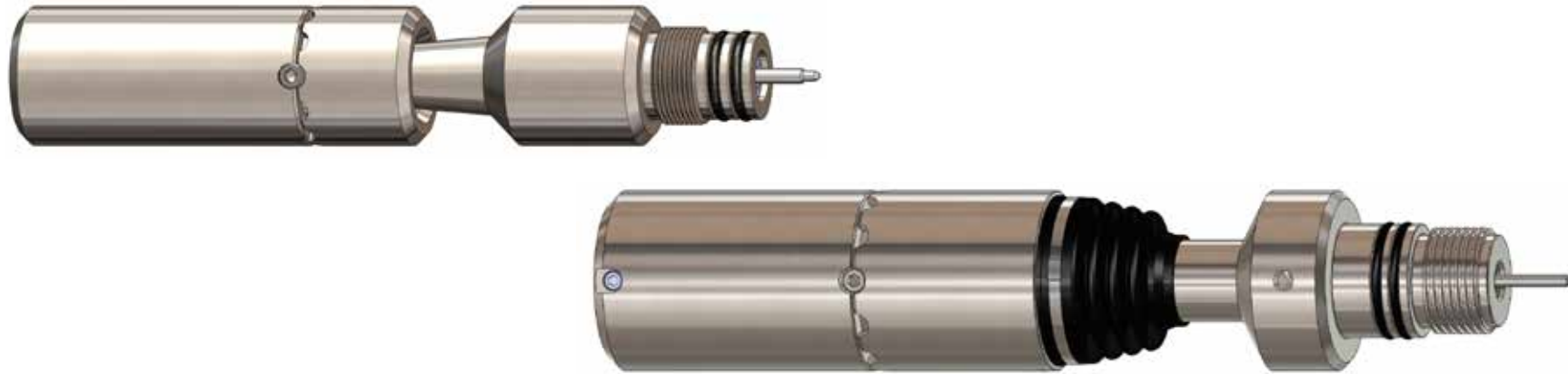


Hunting's knuckle joints use nickel coated ball joints to increase the flexibility of wireline toolstrings by 10°. This reduces the effective rigid length allowing easier passage through dog leg sections of deviated wells.

When combined in tandem, they not only allow more toolstring flexibility, but decouple centered and eccentered tools. This ensures high quality data in highly deviated and horizontal wells.

Unique electrical contacts at the ball joint guarantee undisrupted power transmission at any angle of bend and hydrostatic pressure.



## APPLICATIONS

- Production logging
- Remedial cased hole support

## FEATURES

- NEDOX® coated ball joints radically reduces wear and tear
- Knuckle shaft tapered to increase bending strength
- Can be combined in tandem

## BENEFITS

- Longer life components reduce running costs
- Allows combination of centered and eccentered logging tools

## HARDWARE SPECIFICATIONS

O.D. (in)[mm]	1 [25]	1-7/16 [37]	1-11/16 [43]	2-3/4 [70]
Part Number	3906-000-100	3906-000-060	3906-000-000	3906-000-320
Max. Temp. (°F)[°C]†	400 [204]	400 [204]	400 [204]	400 [204]
Max. Pressure (psi)[MPa]	20,000 [138]	20,000 [138]	20,000 [138]	20,000 [138]
Length (in)[mm]	6.5 [165]	7.0 [178]	7.9 [200]	11.6 [295]
Weight (lbm)[kg]	1.1 [0.5]	2.3 [1.0]	3.9 [1.8]	14.4 [6.5]
Max. Voltage (VDC)	600	600	600	600
Max. Current (mA)	2,000	2,000	2,000	2,000
Knuckle Movement	10°	10°	10°	10°
Max. Tension (lbf)[kN]	15,000 [67]	30,000 [133]	50,000 [222]	123,000 [547]
Contact Kit	3906-000-102	3906-000-052	3906-000-002	3906-000-322
Upper Head Connection	13/16"-16 GO Box	1-3/16"-12 GO Box	1-3/16"-12 GO Box	1-5/8"-6 Acme Box
Lower Head Connection	13/16"-16 GO Pin	1-3/16"-12 GO Pin	1-3/16"-12 GO Pin	1-5/8"-6 Acme Pin

† Viton O-rings need to be used above 325°F (163°C)

P\_Hardware-Catalog2014\_002620150016