

### Knuckle Joint

#### Application

The Knuckle Joint is generally wireline deployed, though it can be used in conjunction with a tool string powered by a Memory Adapter Tool (MAT) that is connected to coil tubing.

The Knuckle Joint can pivot 10° thanks to its ball connector sub. This pivoting ability aids movement of a tool string through deviated, misaligned, or horizontal wells. It also allows a tool string to be de-centralized.

#### Features

- Bottom section of tool pivots
- 10° bend angle
- Aids in moving tool string through deviated, misaligned, or horizontal wells
- Can be used to de-centralize string

#### Benefits

The Knuckle Joint tool allows for 15 points of electrical connection with swiveling and can be used in any point in a Lee Production Logging String.

Dielectric	
Type	Part No.
Multi Pin Standard Service	AM017WA0001
Multi Pin H2S Service	AM017WB0001
Single Pin H2S Service	AM017WA0002
Single Pin H2S Service	AM017WB0002

Spare Parts	
Type	Part No.
Seal Kit	104143 (x2)
Cap Head Screw 1/4-28x.250"	PE169UU0096
O-Ring 2-120 Viton 90	PM933RC2120 (x10)
O-Ring 2-119 Viton 90	PM933RC2119 (x4)



### Knuckle Joint

Specifications	
	Details
OD	1.375 in (3.5 cm)
Length	20.1 in (51 cm)
Weight	7.4 lb (3.4 kg)
Temperature Rating	350°F (177°C)
Pressure Rating	15,000 psi (103.5 MPa)