

## FORGED KNUCKLE JOINTS



The PARVEEN Forged Knuckle Joint, when made up in a string of wireline tools, provide strong flexible joint to permit angular movement of the string in a deviated hole.

The Forged Knuckle Joint consists of only two parts - a pin section and a box section. The socket of the pin section is formed around the ball of the box section to form an integral unit. If desired, a hole can be drilled lengthwise in the knuckle joint to permit passage of conductors. A 40,000 lb pull test load is applied on each knuckle joint, to ensure integrity of the ball joint connection under repeated usage.

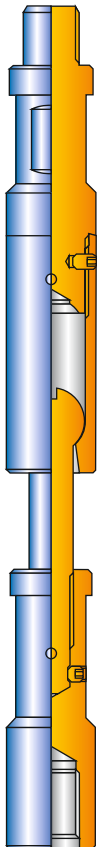
<b>FORGED KNUCKLE JOINTS</b>				
<b>Size (in)</b>	<b>Max O.D. (in)</b>	<b>F/N. O.D. (in)</b>	<b>Connection Pin X Box</b>	<b>Part No.</b>
1-1/4	1.250	1.187	15/16 - 10 UN	201211
1-1/2	1.500	1.375	15/16 - 10 UN	201521
1-7/8	1.875	1.750	1-1/16 - 10 UN	201932
2-1/8	2.125	1.750	1-1/16 - 10 UN	202132
2-1/2	2.500	2.312	1-9/16 - 10 UN	202548

**FORGED KNUCKLE JOINT**

• Other Sizes Available On Request

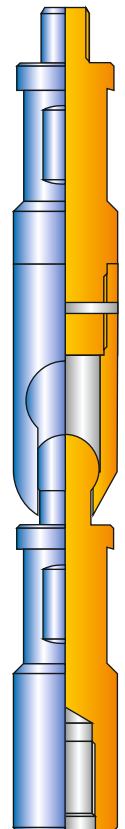
## KNUCKLE JARS

PARVEEN Knuckle Jars serve as a combination of a Knuckle Joint & a Short Tubular Jar. Knuckle Jars can be utilized to jar with short strokes to free a tool string. Like in PARVEEN Knuckle Joints, PARVEEN Knuckle Jar too has a built in double fishing neck.



<b>KNUCKLE JARS</b>					
<b>Size (in)</b>	<b>Max. O.D. (in)</b>	<b>F/N. O.D. (in)</b>	<b>Connection Pin X Box</b>	<b>Stroke (in)</b>	<b>Part No.</b>
1-1/4	1.250	1.187	15/16-10 UN	2	20120211
1-1/2	1.500	1.375	15/16-10 UN	2	20150221
1-1/2	1.500	1.375	15/16-10 UN	4	20150421
1-7/8	1.875	1.750	1-1/16-10 UN	6	20190632
2-1/8	2.125	1.750	1-1/16-10 UN	6	20210632
2-1/2	2.500	2.312	1-9/16-10 UN	6	20250646

• Other Sizes Available On Request.



**MEMORY GAUGE KNUCKLE JOINT**

## MEMORY GAUGE KNUCKLE JOINT

The PARVEEN Memory Gauge Knuckle Joint is used to facilitate a safe and efficient attachment of memory gauges to the tool string. It is manufactured out of stainless steel to minimize corrosion. It is not recommended when heavy jarring is necessary.

**KNUCKLE JAR**