



#### PURPOSE

Knuckle joint is a device that provides angular movement between the tool string and the pulling tool. It provides flexibility within the wireline tool string. To meet operational requirements, one or more knuckle joints are inserted to the tool string. The device is available in several of diameters. Specializing in deviated wells.

#### ASSEMBLY PARTS

- |               |              |
|---------------|--------------|
| 1. Fishneck   | 3. Knuckle   |
| 2. Swivel Cup | 4. Lower Sub |

#### DESCRIPTION

Designed same as a Knuckle Jar, but not having any stroke ability.

#### APPLICATIONS

- Deviated wells
- Crooked tubing
- Flexibility for entering ON-OFF connectors
- Fishing operations in casing through tubing

#### PRECAUTIONS

When using Knuckle Joints, well conditions and placement of knuckle joint in tool string should be assessed carefully, e.g. Knuckle Joints are not recommended for use in wells with high H<sub>2</sub>S content.

Nominal Size	0.75"	1"	1.25"	1.50"	
Assembly Number	0101KJ075A0	0101KJ100A0	0101KJ125A0	0101KJ150A0	
<b>Item</b>	<b>Part Name</b>				
1	Fishneck	0101KJ07501	0101KJ10001	0101KJ12501	0101KJ15001
2	Swivel Cup	0101KJ07502	0101KJ10002	0101KJ12502	0101KJ15002
3	Knuckle	0101KJ07503	0101KJ10003	0101KJ12503	0101KJ15003
4	Lower Sub	0101KJ07504	0101KJ10004	0101KJ12504	0101KJ15004
Upper Thread Conn.	0.5"-13 NC	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	
Lower Thread Conn	0.5"-13 NC	0.938"-10 UN	0.938"-10 UN	0.938"-10 UN	
Max O.D.	.75"	1.00"	1.25"	1.50"	
Fishneck size	.75"	1.00"	1.187"	1.375"	

Nominal Size	1.75"	1.87"	2.12"	
Assembly Number	0101KJ175A0	0101KJ187A0	0101KJ212A0	
<b>Item</b>	<b>Part Name</b>			
1	Fishneck	0101KJ17501	0101KJ18701	0101KJ21201
2	Swivel Cup	0101KJ17502	0101KJ18702	0101KJ21202
3	Knuckle	0101KJ17503	0101KJ18703	0101KJ21203
4	Lower Sub	0101KJ17504	0101KJ18704	0101KJ21204
Upper Thread Conn.	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN	
Lower Thread Conn	1.062"-10 UN	1.062"-10 UN	1.062"-10 UN	
Max O.D.	1.75"	1.87"	2.125"	
Fishneck size	1.75"	1.75"	1.75"	

When ordering please specify part name and size. Call us Toll Free: 1-800-438-0061