



SECTION I: TOOL STRING

Product Code: 103

Type 'AO' and 'AD' Knuckle Joint Assembly: 3/8" – 2 1/2"

Rebco Knuckle Joint has a ball type swivel joint to provide flexibility in the Wireline Tool String. Normally, it is used on the end of the Wireline Tool String to allow for angular movement between the tool string and the Running or Pulling Tool.

Rebco offers Knuckle Joints with Threaded and QLS Connections, and Double Fishing Neck.

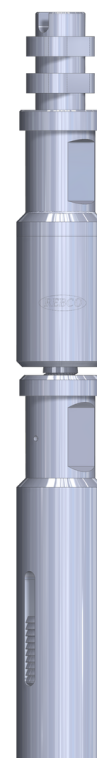
Type 'AO' - Threaded Connection

TECHNICAL DATA					
NOMINAL SIZE (OD)	ASSEMBLY PART NUMBER	ENGINEERING DATA			
		MAX OD	CONNECTION	FISHING NECK	LENGTH
3/8"	10300200375	.38"	1/4" - 20	NONE	4.0"
1/2"	10300200500	.50"	3/8" - 16	NONE	3.81"
3/4"	10300200750	.75"	1/2" - 13	.687"	6.19"
7/8"	10300200875	.88"		.750"	
1"	10300201000	1.00"	5/8" - 11		
1 1/4"	10300201250	1.25"	15/16" - 10	1.187"	10.12"
1 1/2"	10300201500	1.50"		1.375"	
1 3/4"	10300201750	1.75"	1 1/16" - 10	1.750"	11.12"
1 7/8"	10300201870	1.88"			
2 1/8"	10300202120	2.12"			
2 1/2"	10300202500	2.50"		1 9/16" - 10	2.313"
	10300202501		11.84"		



Type 'AD' - QLS Connection

TECHNICAL DATA					
NOMINAL SIZE (OD)	ASSEMBLY PART NUMBER	ENGINEERING DATA			
		MAX OD	CONNECTION	FISHING NECK	LENGTH
1 1/2"	10300031500	1.50"	'RQLD'	1.375"	15.94"
1 3/4"	10300031750	1.75"		1.750"	10.12"
1 7/8"	10300031870	1.88"			15.94"
2 1/8"	10300032120	2.12"		2.313"	
2 1/2"	10300032500	2.50"			16.44"



Rebco Type 'AS' Knuckle Joint with 'RQLS' connection is available