

FLOW THROUGH KNUCKLE JOINT



TOOL APPLICATIONS

The Flow Through Knuckle Joint has been designed to provide a Coiled Tubing Bottom Hole Assembly with additional movement and flexibility.

Internal Seals on the ball joint provide and maintain a seal between the ID & OD of the Flow Through Knuckle Joint. Configuring a Flow Through Knuckle Joint within the BHA enables it to pass unrestricted over nipple shoulders, tubing crossovers and other points where a rigid BHA may encounter difficulty.

FEATURES AND BENEFITS

- Available in a range of sizes to suit industry standard BHA's
- 10 degree deflection angle from centre line
- Large thru bore
- Sealing ball joint
- Connection options to suit customer requirements
- Simple, robust design ensuring ease of operation for the end user
- Hexagonal flats for safe make-up & break-out
- Corrosion resistant materials

SPECIFICATIONS

Technical Variable		Units	Actual OD					
			1 11/16"	1 3/4"	2"	2 1/8"	2 7/8"	3 1/8"
Max OD		in	1.687	1.750	2.125	2.150	2.875	3.125
Max ID		in	0.656	0.656	0.750	0.789	1.187	1.187
Connection	Top	Box	1" AMMT		1 1/2" AMMT		2 3/8" PAC DSI	
	Bottom	Pin	1" AMMT		1 1/2" AMMT		2 3/8" PAC DSI	
Make Up Length		in	11.98	10.99	11.95	13.00	14.75	54.98
Working Pressure		psi	5,000	5,000	5,000	5,000	10,000	10,000
Strength	SWL	lbs	24,860	28,120	39,120	80,919	96,680	120,960
	Yield	lbs	27,620	31,240	43,470	89,911	107,420	134,400
	UTS	lbs	35,500	38,340	55,890	110,682	138,100	172,800
	Torsional	ft.lbs	-	-	-	-	-	-
Make Up Torque		ft.lbs	500	500	900	900	3,520	3,520