

TECHNICAL INFORMATION - HSC HICOM

TUBING



SIZE: **4 1/2"**

NOMINAL WEIGHT: **18.90 lb/ft**

WALL THICKNESS: **0.430"**

THREADS PER INCH: **6**



PIPE BODY	OUTSIDE DIA. (in)	D	4.500	INSIDE DIA. (in)	d	3.640	DRIFT DIA. (in)	3.515	PLAIN END WT (lb/ft)	18.69		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					13820	13820	15550	16410	19010	21600	25920
	INTERNAL YIELD PRESSURE (psi)					13380	13380	15050	15890	18390	20900	25080
	BODY YIELD STRENGTH (kips)					440	440	495	522	605	687	825
	ULTIMATE STRENGTH (kips)					550	522	550	577	687	742	880
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					5.498	5.498	5.498	5.498	5.498	5.498	5.498

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR	MINIMUM (ft.lb)				7470	7470	7930	8160	8850	9530	10670
		OPTIMUM (ft.lb)				8300	8300	8810	9070	9830	10590	11860
		MAXIMUM (ft.lb)				9130	9130	9690	9980	10810	11650	13050
	BODY YIELD TORQUE (ft.lb)				39380	39380	44310	46770	54150	61540	73850	
	SPECIAL CLEARANCE	MINIMUM (ft.lb)				6720	6720	7140	7340	7960	8580	9600
		OPTIMUM (ft.lb)				7470	7470	7930	8160	8840	9530	10670
		MAXIMUM (ft.lb)				8220	8220	8720	8980	9720	10480	11740

CONNECTION	COLLAPSE RESISTANCE (psi)					13820	13820	15550	16410	19010	21600	25920	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					13380	13380	15050	15890	18390	20900	25080	
	MAXIMUM BENDING ANGLE (° PER 100ft)					101	101	113	120	139	157	189	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					5.607	5.607	5.607	5.607	5.607	5.607	5.607	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					300	300	337	356	412	469	562	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					160	160	180	190	221	251	301	
	PARTING LOAD (kips)												
	REGULAR COUPLING O.D.					500	479	509	535	635	691	821	
	SPECIAL CLEARANCE COUPLING O.D.					366	347	366	384	457	494	585	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING				W	5.174	3.740	15.54	102	2021			
	SPECIAL CLEARANCE COUPLING				Wc	4.953	3.740	11.39	70	2006			
LENGTH OF COUPLING (in)				NL	8.328								
MAKE UP LOSS (in)				ML	3.164								
The above information is for reference only. The information is subject to change or modification without notice. Please contact HSC for the latest information													