

TECHNICAL INFORMATION - HSC HICOM

TUBING



SIZE: **4 1/2"**

NOMINAL WEIGHT: **10.50 lb/ft**

WALL THICKNESS: **0.224"**

THREADS PER INCH: **6**



PIPE BODY	OUTSIDE DIA. (in)	D	4.500	INSIDE DIA. (in)	d	4.052	DRIFT DIA. (in)	3.927	PLAIN END WT (lb/ft)	10.23		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					4940	4940	5200	5310	5550	5820	6240
	INTERNAL YIELD PRESSURE (psi)					6970	6970	7840	8280	9580	10890	13070
	BODY YIELD STRENGTH (kips)					241	241	271	286	331	376	451
	ULTIMATE STRENGTH (kips)					301	286	301	316	376	406	481
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					3.009	3.009	3.009	3.009	3.009	3.009	3.009

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR	MINIMUM (ft.lb)				2580	2580	2770	2860	3140	3410	3870
		OPTIMUM (ft.lb)				2870	2870	3080	3180	3490	3790	4300
		MAXIMUM (ft.lb)				3160	3160	3390	3500	3840	4170	4730
	BODY YIELD TORQUE (ft.lb)				23590	23590	26540	28020	32440	36870	44240	
	SPECIAL CLEARANCE	MINIMUM (ft.lb)				2330	2330	2490	2570	2830	3070	3480
		OPTIMUM (ft.lb)				2590	2590	2770	2860	3140	3410	3870
		MAXIMUM (ft.lb)				2850	2850	3050	3150	3450	3750	4260

CONNECTION	COLLAPSE RESISTANCE (psi)					4940	4940	5200	5310	5550	5820	6240	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					6970	6970	7840	8280	9580	10890	13070	
	MAXIMUM BENDING ANGLE (° PER 100ft)					91	91	102	107	124	141	170	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					3.072	3.072	3.072	3.072	3.072	3.072	3.072	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					99	99	111	117	136	154	185	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					22	22	25	26	31	35	42	
	PARTING LOAD (kips)												
	REGULAR COUPLING O.D.					274	262	279	293	347	378	449	
	SPECIAL CLEARANCE COUPLING O.D.					200	190	200	210	250	270	321	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING				W	4.852	4.102	8.25	102	1104			
	SPECIAL CLEARANCE COUPLING				Wc	4.724	4.102	5.98	70	1096			
	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													