

TECHNICAL INFORMATION - HSC HICOM

TUBING



SIZE: **4 1/2"**

NOMINAL WEIGHT: **17.70 lb/ft**

WALL THICKNESS: **0.402"**

THREADS PER INCH: **6**



PIPE BODY	OUTSIDE DIA. (in)	D	4.500	INSIDE DIA. (in)	d	3.696	DRIFT DIA. (in)		3.571	PLAIN END WT (lb/ft)		17.59
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					13020	13020	14650	15460	17900	20340	24410
	INTERNAL YIELD PRESSURE (psi)					12510	12510	14070	14850	17200	19540	23450
	BODY YIELD STRENGTH (kips)					414	414	466	492	569	647	776
	ULTIMATE STRENGTH (kips)					518	492	518	543	647	699	828
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					5.175	5.175	5.175	5.175	5.175	5.175	5.175

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR		MINIMUM (ft.lb)		6960	6960	7400	7610	8270	8930	10030	
			OPTIMUM (ft.lb)		7730	7730	8220	8460	9190	9920	11140	
			MAXIMUM (ft.lb)		8500	8500	9040	9310	10110	10910	12250	
			BODY YIELD TORQUE (ft.lb)		37530	37530	42220	44560	51600	58640	70370	
	SPECIAL CLEARANCE		MINIMUM (ft.lb)		6260	6260	6660	6860	7440	8040	9030	
			OPTIMUM (ft.lb)		6960	6960	7400	7620	8270	8930	10030	
			MAXIMUM (ft.lb)		7660	7660	8140	8380	9100	9820	11030	

CONNECTION	COLLAPSE RESISTANCE (psi)					13020	13020	14650	15460	17900	20340	24410	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					12510	12510	14070	14850	17200	19540	23450	
	MAXIMUM BENDING ANGLE (° PER 100ft)					99	99	112	118	136	155	186	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					5.275	5.275	5.275	5.275	5.275	5.275	5.275	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					274	274	308	325	376	427	513	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					142	142	160	169	196	223	267	
						PARTING LOAD (kips)							
	REGULAR COUPLING O.D.					471	451	480	504	597	650	773	
	SPECIAL CLEARANCE COUPLING O.D.					344	327	344	362	430	465	551	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)		30' JOINT MUD DISPLACEMENT (in³)			
	REGULAR COUPLING				W	5.133	3.796	14.56	102		1902		
	SPECIAL CLEARANCE COUPLING				Wc	4.924	3.796	10.66	70		1888		
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													