

TECHNICAL INFORMATION - HSC HICOM

TUBING



SIZE: **4 1/2"**

NOMINAL WEIGHT: **13.50 lb/ft**

WALL THICKNESS: **0.290"**

THREADS PER INCH: **6**



PIPE BODY	OUTSIDE DIA. (in)	D	4.500	INSIDE DIA. (in)	d	3.920	DRIFT DIA. (in)	3.795	PLAIN END WT (lb/ft)	13.04		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					8540	8540	9300	9660	10680	11600	12870
	INTERNAL YIELD PRESSURE (psi)					9020	9020	10150	10710	12410	14100	16920
	BODY YIELD STRENGTH (kips)					307	307	345	364	422	479	575
	ULTIMATE STRENGTH (kips)					384	364	384	403	479	518	614
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					3.836	3.836	3.836	3.836	3.836	3.836	3.836

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0										
	REGULAR		MINIMUM (ft.lb)		4430	4430	4730	4890	5350	5800	6570
			OPTIMUM (ft.lb)		4920	4920	5260	5430	5940	6450	7300
			MAXIMUM (ft.lb)		5410	5410	5790	5970	6530	7100	8030
			BODY YIELD TORQUE (ft.lb)		29210	29210	32860	34690	40170	45640	54770
	SPECIAL CLEARANCE		MINIMUM (ft.lb)		3990	3990	4270	4400	4820	5230	5910
			OPTIMUM (ft.lb)		4430	4430	4740	4890	5350	5810	6570
			MAXIMUM (ft.lb)		4870	4870	5210	5380	5880	6390	7230

CONNECTION	COLLAPSE RESISTANCE (psi)					8540	8540	9300	9660	10680	11600	12870	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					9020	9020	10150	10710	12410	14100	16920	
	MAXIMUM BENDING ANGLE (° PER 100ft)					94	94	105	111	129	146	175	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					3.912	3.912	3.912	3.912	3.912	3.912	3.912	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					165	165	186	196	227	258	310	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					68	68	77	81	94	106	128	
						PARTING LOAD (kips)							
	REGULAR COUPLING O.D.					349	334	355	374	443	482	573	
	SPECIAL CLEARANCE COUPLING O.D.					255	242	255	268	319	344	408	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING				W	4.961	4.020	10.54	102	1408			
	SPECIAL CLEARANCE COUPLING				Wc	4.801	4.020	7.64	70	1398			
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													