

TECHNICAL INFORMATION - HSC HICOM

TUBING



SIZE: **4 1/2"**

NOMINAL WEIGHT: **11.60 lb/ft**

WALL THICKNESS: **0.250"**

THREADS PER INCH: **6**



PIPE BODY	OUTSIDE DIA. (in)	D	4.500	INSIDE DIA. (in)	d	4.000	DRIFT DIA. (in)	3.875	PLAIN END WT (lb/ft)	11.35		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					6350	6350	6820	7030	7580	8000	8430
	INTERNAL YIELD PRESSURE (psi)					7780	7780	8750	9240	10690	12150	14580
	BODY YIELD STRENGTH (kips)					267	267	300	317	367	417	501
	ULTIMATE STRENGTH (kips)					334	317	334	350	417	451	534
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					3.338	3.338	3.338	3.338	3.338	3.338	3.338

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR		MINIMUM (ft.lb)			3350	3350	3580	3700	4050	4400	5000
			OPTIMUM (ft.lb)			3720	3720	3980	4110	4500	4890	5550
			MAXIMUM (ft.lb)			4090	4090	4380	4520	4950	5380	6100
			BODY YIELD TORQUE (ft.lb)			25870	25870	29110	30730	35580	40430	48510
	SPECIAL CLEARANCE		MINIMUM (ft.lb)			3010	3010	3220	3330	3640	3960	4490
			OPTIMUM (ft.lb)			3340	3340	3580	3700	4050	4400	4990
			MAXIMUM (ft.lb)			3670	3670	3940	4070	4460	4840	5490

CONNECTION	COLLAPSE RESISTANCE (psi)					6350	6350	6820	7030	7580	8000	8430	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					7780	7780	8750	9240	10690	12150	14580	
	MAXIMUM BENDING ANGLE (° PER 100ft)					92	92	103	109	126	143	172	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					3.408	3.408	3.408	3.408	3.408	3.408	3.408	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					125	125	141	149	172	196	235	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					41	41	46	48	56	63	76	
						PARTING LOAD (kips)							
	REGULAR COUPLING O.D.					304	291	309	325	385	420	498	
	SPECIAL CLEARANCE COUPLING O.D.					222	211	222	233	278	300	356	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING				W	4.896	4.050	9.24	102	1225			
	SPECIAL CLEARANCE COUPLING				Wc	4.755	4.050	6.72	70	1216			
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