

TECHNICAL INFORMATION - HSC HICOM

CASING



SIZE: **7 5/8"**

NOMINAL WEIGHT: **33.70 lb/ft**

WALL THICKNESS: **0.430"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	7.625	INSIDE DIA. (in)	d	6.765	DRIFT DIA. (in)	6.640	PLAIN END WT (lb/ft)	33.04		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					6560	6560	7050	7280	7870	8350	8850
	INTERNAL YIELD PRESSURE (psi)					7900	7900	8880	9380	10860	12340	14800
	BODY YIELD STRENGTH (kips)					778	778	875	923	1069	1215	1458
	ULTIMATE STRENGTH (kips)					972	923	972	1021	1215	1312	1555
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					9.72	9.72	9.72	9.72	9.72	9.72	9.72

RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
MAKE UP	REGULAR		MINIMUM (ft.lb)		8130	8130	8550	8760	9400	10040	11090
			OPTIMUM (ft.lb)		9030	9030	9500	9730	10440	11150	12320
			MAXIMUM (ft.lb)		9930	9930	10450	10700	11480	12260	13550
			BODY YIELD TORQUE (ft.lb)		127450	127450	143380	151350	175240	199140	238970
	SPECIAL CLEARANCE		MINIMUM (ft.lb)		7310	7310	7700	7880	8460	9030	9980
			OPTIMUM (ft.lb)		8120	8120	8550	8760	9400	10030	11090
MAXIMUM (ft.lb)			8930	8930	9410	9640	10340	11030	12200		

CONNECTION	COLLAPSE RESISTANCE (psi)		6560	6560	7050	7280	7870	8350	8850		
	COMPRESSION RESISTANCE (%)		100	100	100	100	100	100	100		
	TENSILE EFFICIENCY (%)		100	100	100	100	100	100	100		
	INTERNAL YIELD PRESSURE (psi)		7900	7900	8880	9380	10860	12340	14800		
	MAXIMUM BENDING ANGLE (° PER 100ft)		54	54	61	64	75	85	102		
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)		9.919	9.919	9.919	9.919	9.919	9.919	9.919		
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)		530	530	596	629	729	828	994		
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)		282	282	318	335	388	441	530		
	PARTING LOAD (kips)										
	REGULAR COUPLING O.D.		852	820	880	925	1093	1197	1424		
	SPECIAL CLEARANCE COUPLING O.D.		647	615	647	679	809	873	1035		
			OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING		W	8.336	6.865	32.47	102	3588			
	SPECIAL CLEARANCE COUPLING		Wc	8.095	6.865	23.43	70	3556			
LENGTH OF COUPLING (in)		NL	10.260	The above information is for reference only. The information is subject to change or modification without notice. Please contact HSC for the latest information							
MAKE UP LOSS (in)		ML	4.130								

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