

TECHNICAL INFORMATION - HSC HICOM

CASING



SIZE: **7 3/4"**

NOMINAL WEIGHT: **46.10 lb/ft**

WALL THICKNESS: **0.595"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	7.750	INSIDE DIA. (in)	d	6.560	DRIFT DIA. (in)		6.435	PLAIN END WT (lb/ft)		45.47
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					11340	11340	12740	13320	14990	16580	19030
	INTERNAL YIELD PRESSURE (psi)					10750	10750	12090	12760	14780	16790	20150
	BODY YIELD STRENGTH (kips)					1070	1070	1204	1271	1471	1672	2006
	ULTIMATE STRENGTH (kips)					1337	1271	1337	1404	1672	1806	2140
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					13.374	13.374	13.374	13.374	13.374	13.374	13.374

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR		MINIMUM (ft.lb)		14860	14860	15520	15850	16840	17830	19480	
			OPTIMUM (ft.lb)		16510	16510	17240	17610	18710	19810	21650	
			MAXIMUM (ft.lb)		18160	18160	18960	19370	20580	21790	23820	
			BODY YIELD TORQUE (ft.lb)		171200	171200	192600	203300	235400	267500	321000	
	SPECIAL CLEARANCE		MINIMUM (ft.lb)		13370	13370	13970	14260	15160	16050	17530	
			OPTIMUM (ft.lb)		14860	14860	15520	15850	16840	17830	19480	
			MAXIMUM (ft.lb)		16350	16350	17070	17440	18520	19610	21430	

CONNECTION	COLLAPSE RESISTANCE (psi)					11340	11340	12740	13320	14990	16580	19030	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					10750	10750	12090	12760	14780	16790	20150	
	MAXIMUM BENDING ANGLE (° PER 100ft)					56	56	63	66	77	87	105	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					13.639	13.639	13.639	13.639	13.639	13.639	13.639	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					822	822	925	976	1130	1284	1541	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					481	481	541	572	662	752	902	
						PARTING LOAD (kips)							
	REGULAR COUPLING O.D.					1170	1127	1209	1272	1502	1646	1958	
	SPECIAL CLEARANCE COUPLING O.D.					889	845	889	934	1112	1200	1423	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)		30' JOINT MUD DISPLACEMENT (in³)			
	REGULAR COUPLING				W	8.725	6.660	45.46	102		4942		
	SPECIAL CLEARANCE COUPLING				Wc	8.407	6.660	33.03	70		4898		
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								