

TECHNICAL INFORMATION - HSC HICOM

CASING



SIZE: **5 1/2"**

NOMINAL WEIGHT: **29.70 lb/ft**

WALL THICKNESS: **0.562"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	5.500	INSIDE DIA. (in)	d	4.376	DRIFT DIA. (in)		4.251	PLAIN END WT (lb/ft)		29.64
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					14670	14670	16510	17430	20180	22930	27510
	INTERNAL YIELD PRESSURE (psi)					14310	14310	16090	16990	19670	22350	26820
	BODY YIELD STRENGTH (kips)					697	697	785	828	959	1090	1308
	ULTIMATE STRENGTH (kips)					872	828	872	915	1090	1177	1395
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					8.718	8.718	8.718	8.718	8.718	8.718	8.718

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR		MINIMUM (ft.lb)		9360	9360	9750	9940	10530	11120	12100	
			OPTIMUM (ft.lb)		10400	10400	10830	11050	11700	12350	13440	
			MAXIMUM (ft.lb)		11440	11440	11910	12160	12870	13580	14780	
			BODY YIELD TORQUE (ft.lb)		75350	75350	84770	89480	103610	117730	141280	
	SPECIAL CLEARANCE		MINIMUM (ft.lb)		8420	8420	8780	8960	9480	10010	10890	
			OPTIMUM (ft.lb)		9360	9360	9750	9950	10530	11120	12100	
			MAXIMUM (ft.lb)		10300	10300	10720	10940	11580	12230	13310	

CONNECTION	COLLAPSE RESISTANCE (psi)					14670	14670	16510	17430	20180	22930	27510	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					14310	14310	16090	16990	19670	22350	26820	
	MAXIMUM BENDING ANGLE (° PER 100ft)					84	84	94	100	115	131	157	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					8.894	8.894	8.894	8.894	8.894	8.894	8.894	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					536	536	603	637	737	838	1005	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					314	314	354	373	432	491	590	
						PARTING LOAD (kips)							
	REGULAR COUPLING O.D.					784	752	802	843	998	1089	1294	
	SPECIAL CLEARANCE COUPLING O.D.					580	551	580	609	725	783	928	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)		30' JOINT MUD DISPLACEMENT (in³)			
	REGULAR COUPLING				W	6.397	4.476	27.94	102		3216		
	SPECIAL CLEARANCE COUPLING				Wc	6.113	4.476	20.46	70		3190		
	LENGTH OF COUPLING (in)				NL	9.460							
MAKE UP LOSS (in)				ML	3.730								
The above information is for reference only. The information is subject to change or modification without notice. Please contact HSC for the latest information													