

TECHNICAL INFORMATION - HSC HICOM

CASING



SIZE: **7 5/8"**

NOMINAL WEIGHT: **29.70 lb/ft**

WALL THICKNESS: **0.375"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	7.625	INSIDE DIA. (in)	d	6.875	DRIFT DIA. (in)	6.750	PLAIN END WT (lb/ft)	29.04	
	GRADE				N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)				4790	4790	5040	5140	5350	5670	6050
	INTERNAL YIELD PRESSURE (psi)				6890	6890	7750	8180	9470	10760	12910
	BODY YIELD STRENGTH (kips)				683	683	769	811	940	1068	1281
	ULTIMATE STRENGTH (kips)				854	811	854	897	1068	1153	1367
	NOMINAL CROSS-SECTIONAL AREA (sq-in)				8.541	8.541	8.541	8.541	8.541	8.541	8.541

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0										
	REGULAR		MINIMUM (ft.lb)		7390	7390	7840	8060	8740	9410	10540
			OPTIMUM (ft.lb)		8210	8210	8710	8960	9710	10460	11710
			MAXIMUM (ft.lb)		9030	9030	9580	9860	10680	11510	12880
			BODY YIELD TORQUE (ft.lb)		113610	113610	127820	134920	156220	177520	213030
	SPECIAL CLEARANCE		MINIMUM (ft.lb)		6650	6650	7060	7260	7870	8480	9490
			OPTIMUM (ft.lb)		7390	7390	7840	8070	8740	9420	10540
			MAXIMUM (ft.lb)		8130	8130	8620	8880	9610	10360	11590

CONNECTION	COLLAPSE RESISTANCE (psi)				4790	4790	5040	5140	5350	5670	6050	
	COMPRESSION RESISTANCE (%)				100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)				100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)				6890	6890	7750	8180	9470	10760	12910	
	MAXIMUM BENDING ANGLE (° PER 100ft)				53	53	60	63	73	83	100	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)				8.708	8.708	8.708	8.708	8.708	8.708	8.708	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)				434	434	488	515	596	678	813	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)				216	216	243	256	297	337	405	
	PARTING LOAD (kips)											
	REGULAR COUPLING O.D.				749	721	773	813	960	1052	1252	
	SPECIAL CLEARANCE COUPLING O.D.				567	539	567	596	709	766	908	
				OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)		30' JOINT MUD DISPLACEMENT (in³)			
	REGULAR COUPLING			W	8.243	6.975	28.25	102		3151		
	SPECIAL CLEARANCE COUPLING			Wc	8.029	6.975	20.30	70		3123		
LENGTH OF COUPLING (in)			NL	10.260								
MAKE UP LOSS (in)			ML	4.130								
The above information is for reference only. The information is subject to change or modification without notice. Please contact HSC for the latest information												