

# TECHNICAL INFORMATION - HSC HICOM

# CASING



SIZE: **7 5/8"**

NOMINAL WEIGHT: **35.80 lb/ft**

WALL THICKNESS: **0.465"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	7.625	INSIDE DIA. (in)	d	6.695	DRIFT DIA. (in)	6.570	PLAIN END WT (lb/ft)	35.56	
	GRADE				N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)				7690	7690	8330	8640	9470	10200	11140
	INTERNAL YIELD PRESSURE (psi)				8540	8540	9610	10140	11740	13340	16010
	BODY YIELD STRENGTH (kips)				837	837	941	994	1151	1307	1569
	ULTIMATE STRENGTH (kips)				1046	994	1046	1098	1307	1412	1674
	NOMINAL CROSS-SECTIONAL AREA (sq-in)				10.46	10.46	10.46	10.46	10.46	10.46	10.46

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0										
	REGULAR	MINIMUM (ft.lb)		8590	8590	9000	9200	9810	10420	11440	
		OPTIMUM (ft.lb)		9540	9540	10000	10220	10900	11580	12710	
		MAXIMUM (ft.lb)		10490	10490	11000	11240	11990	12740	13980	
	BODY YIELD TORQUE (ft.lb)		135910	135910	152900	161390	186870	212360	254830		
	SPECIAL CLEARANCE	MINIMUM (ft.lb)		7730	7730	8100	8280	8830	9380	10300	
		OPTIMUM (ft.lb)		8590	8590	9000	9200	9810	10420	11440	
		MAXIMUM (ft.lb)		9450	9450	9900	10120	10790	11460	12580	

CONNECTION	COLLAPSE RESISTANCE (psi)		7690	7690	8330	8640	9470	10200	11140		
	COMPRESSION RESISTANCE (%)		100	100	100	100	100	100	100		
	TENSILE EFFICIENCY (%)		100	100	100	100	100	100	100		
	INTERNAL YIELD PRESSURE (psi)		8540	8540	9610	10140	11740	13340	16010		
	MAXIMUM BENDING ANGLE (° PER 100ft)		55	55	62	65	75	86	103		
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)		10.668	10.668	10.668	10.668	10.668	10.668	10.668		
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)		590	590	663	700	811	921	1106		
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)		323	323	363	384	444	505	606		
	PARTING LOAD (kips)										
	REGULAR COUPLING O.D.		917	883	947	996	1176	1289	1533		
	SPECIAL CLEARANCE COUPLING O.D.		695	661	695	730	869	939	1113		
			OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING		W	8.393	6.865	34.65	102	3860			
	SPECIAL CLEARANCE COUPLING		Wc	8.135	6.865	24.91	70	3825			
	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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