

# TECHNICAL INFORMATION - HSC HICOM

# CASING



SIZE: **7"**

NOMINAL WEIGHT: **29.00 lb/ft**

WALL THICKNESS: **0.408"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	7.000	INSIDE DIA. (in)	d	6.184	DRIFT DIA. (in)	6.059	PLAIN END WT (lb/ft)	28.72		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					7020	7020	7580	7830	8530	9100	9790
	INTERNAL YIELD PRESSURE (psi)					8160	8160	9180	9690	11220	12750	15300
	BODY YIELD STRENGTH (kips)					676	676	760	803	929	1056	1267
	ULTIMATE STRENGTH (kips)					845	803	845	887	1056	1141	1352
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					8.449	8.449	8.449	8.449	8.449	8.449	8.449

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR	MINIMUM (ft.lb)				8950	8950	9430	9680	10400	11120	12320
		OPTIMUM (ft.lb)				9940	9940	10480	10750	11550	12350	13690
		MAXIMUM (ft.lb)				10930	10930	11530	11820	12700	13580	15060
	BODY YIELD TORQUE (ft.lb)				101330	101330	114000	120330	139330	158330	190000	
	SPECIAL CLEARANCE	MINIMUM (ft.lb)				8060	8060	8490	8700	9360	10010	11090
		OPTIMUM (ft.lb)				8950	8950	9430	9670	10400	11120	12320
		MAXIMUM (ft.lb)				9850	9850	10370	10640	11440	12230	13550

CONNECTION	COLLAPSE RESISTANCE (psi)					7020	7020	7580	7830	8530	9100	9790	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100		
	INTERNAL YIELD PRESSURE (psi)					8160	8160	9180	9690	11220	12750	15300	
	MAXIMUM BENDING ANGLE (° PER 100ft)					59	59	67	70	82	93	111	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					8.624	8.624	8.624	8.624	8.624	8.624	8.624	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					470	470	528	558	646	734	880	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					254	254	285	301	349	396	476	
	PARTING LOAD (kips)												
	REGULAR COUPLING O.D.					746	718	768	808	955	1045	1243	
	SPECIAL CLEARANCE COUPLING O.D.					562	533	562	590	702	758	898	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING				W	7.691	6.284	26.71	102	3115			
	SPECIAL CLEARANCE COUPLING				Wc	7.463	6.284	19.44	70	3089			
	LENGTH OF COUPLING (in)				NL	9.460	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	3.730								

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