

# TECHNICAL INFORMATION - HSC HICOM

# CASING



SIZE: **5"**

NOMINAL WEIGHT: **20.80 lb/ft**

WALL THICKNESS: **0.422"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	5.000	INSIDE DIA. (in)	d	4.156	DRIFT DIA. (in)	4.031	PLAIN END WT (lb/ft)	20.63		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					12360	12360	13910	14680	17000	19320	22860
	INTERNAL YIELD PRESSURE (psi)					11820	11820	13290	14030	16250	18460	22160
	BODY YIELD STRENGTH (kips)					486	486	546	577	668	759	910
	ULTIMATE STRENGTH (kips)					607	577	607	637	759	819	971
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					6.069	6.069	6.069	6.069	6.069	6.069	6.069

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR	MINIMUM (ft.lb)				5980	5980	6280	6440	6880	7340	8090
		OPTIMUM (ft.lb)				6650	6650	6980	7150	7650	8150	8990
		MAXIMUM (ft.lb)				7320	7320	7680	7870	8420	8970	9890
	BODY YIELD TORQUE (ft.lb)				49380	49380	55550	58630	67890	77150	92580	
	SPECIAL CLEARANCE	MINIMUM (ft.lb)				5380	5380	5650	5790	6200	6610	7280
		OPTIMUM (ft.lb)				5980	5980	6280	6430	6890	7340	8090
		MAXIMUM (ft.lb)				6580	6580	6910	7070	7580	8070	8900

CONNECTION	COLLAPSE RESISTANCE (psi)					12360	12360	13910	14680	17000	19320	22860	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					11820	11820	13290	14030	16250	18460	22160	
	MAXIMUM BENDING ANGLE (° PER 100ft)					88	88	99	105	121	138	165	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					6.187	6.187	6.187	6.187	6.187	6.187	6.187	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					336	336	378	399	462	525	630	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					182	182	205	216	250	284	341	
	PARTING LOAD (kips)												
	REGULAR COUPLING O.D.					549	526	560	589	698	760	903	
	SPECIAL CLEARANCE COUPLING O.D.					403	383	403	423	504	544	645	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING				W	5.682	4.256	19.19	102	2237			
	SPECIAL CLEARANCE COUPLING				Wc	5.460	4.256	13.98	70	2219			
	LENGTH OF COUPLING (in)				NL	9.460							
MAKE UP LOSS (in)				ML	3.730								
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