

# TECHNICAL INFORMATION - HSC HICOM

# CASING



SIZE: **5 1/2"**

NOMINAL WEIGHT: **15.50 lb/ft**

WALL THICKNESS: **0.275"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	5.500	INSIDE DIA. (in)	d	4.950	DRIFT DIA. (in)				4.825	PLAIN END WT (lb/ft)		15.35
	GRADE					N80	L80	C90	C95	P110	Q125	150		
	COLLAPSE RESISTANCE (psi)					4990	4990	5260	5380	5630	5880	6310		
	INTERNAL YIELD PRESSURE (psi)					7000	7000	7880	8310	9630	10940	13130		
	BODY YIELD STRENGTH (kips)					361	361	406	429	497	564	677		
	ULTIMATE STRENGTH (kips)					451	429	451	474	564	609	722		
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					4.514	4.514	4.514	4.514	4.514	4.514	4.514	4.514	

RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0												
MAKE UP	REGULAR	MINIMUM (ft.lb)		4250	4250	4540	4700	5140	5590	6330		
		OPTIMUM (ft.lb)		4720	4720	5050	5220	5710	6210	7030		
		MAXIMUM (ft.lb)		5190	5190	5560	5740	6280	6830	7730		
		BODY YIELD TORQUE (ft.lb)		43240	43240	48650	51350	59460	67560	81080		
MAKE UP	SPECIAL CLEARANCE	MINIMUM (ft.lb)		3820	3820	4100	4230	4630	5030	5700		
		OPTIMUM (ft.lb)		4250	4250	4550	4700	5140	5590	6330		
		MAXIMUM (ft.lb)		4680	4680	5010	5170	5650	6150	6960		

CONNECTION	COLLAPSE RESISTANCE (psi)		4990	4990	5260	5380	5630	5880	6310			
	COMPRESSION RESISTANCE (%)		100	100	100	100	100	100	100			
	TENSILE EFFICIENCY (%)		100	100	100	100	100	100	100			
	INTERNAL YIELD PRESSURE (psi)		7000	7000	7880	8310	9630	10940	13130			
	MAXIMUM BENDING ANGLE (° PER 100ft)		74	74	83	88	102	116	139			
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)		4.606	4.606	4.606	4.606	4.606	4.606	4.606			
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)		195	195	220	232	269	305	366			
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)		80	80	90	95	110	125	150			
			PARTING LOAD (kips)									
	REGULAR COUPLING O.D.		406	389	415	436	517	564	670			
SPECIAL CLEARANCE COUPLING O.D.		300	285	300	315	375	405	480				
		OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)						
REGULAR COUPLING		W	5.955	5.000	14.14	102	1663					
SPECIAL CLEARANCE COUPLING		Wc	5.798	5.000	10.26	70	1649					
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									