

# TECHNICAL INFORMATION - HSC HICOM

# CASING



SIZE: **7"**

NOMINAL WEIGHT: **38.00 lb/ft**

WALL THICKNESS: **0.540"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	7.000	INSIDE DIA. (in)	d	5.920	DRIFT DIA. (in)	5.795	PLAIN END WT (lb/ft)	37.26		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					11390	11390	12820	13440	15140	16750	19240
	INTERNAL YIELD PRESSURE (psi)					10800	10800	12150	12830	14850	16880	20250
	BODY YIELD STRENGTH (kips)					877	877	986	1041	1206	1370	1644
	ULTIMATE STRENGTH (kips)					1096	1041	1096	1151	1370	1479	1753
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					10.959	10.959	10.959	10.959	10.959	10.959	10.959

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0										
	REGULAR		MINIMUM (ft.lb)		12850	12850	13410	13690	14530	15360	16770
			OPTIMUM (ft.lb)		14280	14280	14900	15210	16140	17070	18630
			MAXIMUM (ft.lb)		15710	15710	16390	16730	17750	18780	20490
			BODY YIELD TORQUE (ft.lb)		126620	126620	142440	150360	174100	197840	237400
	SPECIAL CLEARANCE		MINIMUM (ft.lb)		11560	11560	12070	12320	13080	13830	15080
			OPTIMUM (ft.lb)		12850	12850	13410	13690	14530	15370	16760
			MAXIMUM (ft.lb)		14140	14140	14750	15060	15980	16910	18440

CONNECTION	COLLAPSE RESISTANCE (psi)					11390	11390	12820	13440	15140	16750	19240	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					10800	10800	12150	12830	14850	16880	20250	
	MAXIMUM BENDING ANGLE (° PER 100ft)					62	62	70	74	85	97	116	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					11.184	11.184	11.184	11.184	11.184	11.184	11.184	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					673	673	757	799	926	1052	1262	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					394	394	443	468	542	616	739	
						PARTING LOAD (kips)							
	REGULAR COUPLING O.D.					968	931	997	1048	1239	1356	1612	
	SPECIAL CLEARANCE COUPLING O.D.					729	693	729	766	911	984	1167	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING				W	7.900	6.020	35.09	102	4043			
	SPECIAL CLEARANCE COUPLING				Wc	7.612	6.020	25.69	70	4009			
	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								