

TECHNICAL INFORMATION - HSC HICOM

CASING



SIZE: **5"**

NOMINAL WEIGHT: **21.40 lb/ft**

WALL THICKNESS: **0.437"**

THREADS PER INCH: **5**



PIPE BODY	OUTSIDE DIA. (in)	D	5.000	INSIDE DIA. (in)	d	4.126	DRIFT DIA. (in)	4.001	PLAIN END WT (lb/ft)	21.30		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					12760	12760	14360	15160	17550	19940	23930
	INTERNAL YIELD PRESSURE (psi)					12240	12240	13770	14530	16830	19120	22940
	BODY YIELD STRENGTH (kips)					501	501	564	595	689	783	940
	ULTIMATE STRENGTH (kips)					626	595	626	658	783	846	1002
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					6.264	6.264	6.264	6.264	6.264	6.264	6.264

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR	MINIMUM (ft.lb)				6220	6220	6520	6680	7150	7600	8380
		OPTIMUM (ft.lb)				6910	6910	7250	7420	7940	8450	9310
		MAXIMUM (ft.lb)				7600	7600	7980	8160	8730	9300	10240
	BODY YIELD TORQUE (ft.lb)				50660	50660	57000	60160	69660	79160	94990	
	SPECIAL CLEARANCE	MINIMUM (ft.lb)				5600	5600	5880	6010	6430	6850	7540
		OPTIMUM (ft.lb)				6220	6220	6530	6680	7140	7610	8380
		MAXIMUM (ft.lb)				6840	6840	7180	7350	7850	8370	9220

CONNECTION	COLLAPSE RESISTANCE (psi)					12760	12760	14360	15160	17550	19940	23930
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100
	INTERNAL YIELD PRESSURE (psi)					12240	12240	13770	14530	16830	19120	22940
	MAXIMUM BENDING ANGLE (° PER 100ft)					89	89	100	106	122	139	167
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					6.393	6.393	6.393	6.393	6.393	6.393	6.393
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					353	353	397	419	485	551	661
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					193	193	217	229	265	301	362
	PARTING LOAD (kips)											
	REGULAR COUPLING O.D.					567	543	578	608	720	785	932
	SPECIAL CLEARANCE COUPLING O.D.					416	395	416	437	520	562	666
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)		30' JOINT MUD DISPLACEMENT (in³)		
	REGULAR COUPLING				W	5.705	4.226	19.86	102		2310	
	SPECIAL CLEARANCE COUPLING				Wc	5.476	4.226	14.47	70		2291	
	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							