

# TECHNICAL INFORMATION - HSC HICOM

# TUBING



SIZE: **4 1/2"**

NOMINAL WEIGHT: **21.50 lb/ft**

WALL THICKNESS: **0.500"**

THREADS PER INCH: **6**



PIPE BODY	OUTSIDE DIA. (in)	D	4.500	INSIDE DIA. (in)	d	3.500	DRIFT DIA. (in)				3.375	PLAIN END WT (lb/ft)		21.36
	GRADE					N80	L80	C90	C95	P110	Q125	150		
	COLLAPSE RESISTANCE (psi)					15800	15800	17780	18770	21730	24690	29630		
	INTERNAL YIELD PRESSURE (psi)					15560	15560	17500	18470	21390	24310	29170		
	BODY YIELD STRENGTH (kips)					503	503	565	597	691	785	942		
	ULTIMATE STRENGTH (kips)					628	597	628	660	785	848	1005		
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					6.283	6.283	6.283	6.283	6.283	6.283	6.283		

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0													
	REGULAR		MINIMUM (ft.lb)		8550	8550	9030	9270	9980	10690	11890			
			OPTIMUM (ft.lb)		9500	9500	10030	10300	11090	11880	13210			
			MAXIMUM (ft.lb)		10450	10450	11030	11330	12200	13070	14530			
			BODY YIELD TORQUE (ft.lb)		43670	43670	49120	51850	60040	68230	81870			
	SPECIAL CLEARANCE		MINIMUM (ft.lb)		7700	7700	8130	8340	8980	9630	10700			
			OPTIMUM (ft.lb)		8550	8550	9030	9270	9980	10700	11890			
			MAXIMUM (ft.lb)		9410	9410	9930	10200	10980	11770	13080			

CONNECTION	COLLAPSE RESISTANCE (psi)					15800	15800	17780	18770	21730	24690	29630	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					15560	15560	17500	18470	21390	24310	29170	
	MAXIMUM BENDING ANGLE (° PER 100ft)					105	105	118	124	144	164	196	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					6.411	6.411	6.411	6.411	6.411	6.411	6.411	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					364	364	409	432	500	568	682	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					204	204	229	242	280	319	382	
						PARTING LOAD (kips)							
	REGULAR COUPLING O.D.					572	547	582	612	725	790	938	
	SPECIAL CLEARANCE COUPLING O.D.					418	397	418	439	522	564	668	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)		30' JOINT MUD DISPLACEMENT (in³)			
	REGULAR COUPLING				W	5.272	3.600	17.91	102		2310		
	SPECIAL CLEARANCE COUPLING				Wc	5.023	3.600	13.16	70		2293		
LENGTH OF COUPLING (in)				NL	8.328	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	3.164								