

# TECHNICAL INFORMATION - HSC HICOM

# TUBING



SIZE: **4 1/2"**

NOMINAL WEIGHT: **12.60 lb/ft**

WALL THICKNESS: **0.271"**

THREADS PER INCH: **6**



PIPE BODY	OUTSIDE DIA. (in)	D	4.500	INSIDE DIA. (in)	d	3.958	DRIFT DIA. (in)	3.833	PLAIN END WT (lb/ft)	12.24		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					7500	7500	8120	8410	9200	9890	10750
	INTERNAL YIELD PRESSURE (psi)					8430	8430	9490	10010	11590	13170	15810
	BODY YIELD STRENGTH (kips)					288	288	324	342	396	450	540
	ULTIMATE STRENGTH (kips)					360	342	360	378	450	486	576
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					3.6	3.6	3.6	3.6	3.6	3.6	3.6

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR	MINIMUM (ft.lb)				3920	3920	4200	4340	4750	5160	5840
		OPTIMUM (ft.lb)				4360	4360	4670	4820	5280	5730	6490
		MAXIMUM (ft.lb)				4800	4800	5140	5300	5810	6300	7140
	BODY YIELD TORQUE (ft.lb)				27650	27650	31110	32840	38020	43210	51850	
	SPECIAL CLEARANCE	MINIMUM (ft.lb)				3540	3540	3780	3910	4280	4640	5260
		OPTIMUM (ft.lb)				3930	3930	4200	4340	4750	5160	5840
		MAXIMUM (ft.lb)				4320	4320	4620	4770	5220	5680	6420

CONNECTION	COLLAPSE RESISTANCE (psi)					7500	7500	8120	8410	9200	9890	10750	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					8430	8430	9490	10010	11590	13170	15810	
	MAXIMUM BENDING ANGLE (° PER 100ft)					93	93	104	110	127	145	174	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					3.671	3.671	3.671	3.671	3.671	3.671	3.671	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					146	146	164	174	201	228	274	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					55	55	62	65	75	86	103	
	PARTING LOAD (kips)												
	REGULAR COUPLING O.D.					328	314	334	351	416	453	537	
	SPECIAL CLEARANCE COUPLING O.D.					239	227	239	251	299	323	383	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING				W	4.930	4.008	10.01	102	1322			
	SPECIAL CLEARANCE COUPLING				Wc	4.779	4.008	7.29	70	1312			
	LENGTH OF COUPLING (in)				NL	8.328							
MAKE UP LOSS (in)				ML	3.164								
The above information is for reference only. The information is subject to change or modification without notice. Please contact HSC for the latest information													