

# TECHNICAL INFORMATION - HSC HICOM

# TUBING



SIZE: **4 1/2"**

NOMINAL WEIGHT: **17.00 lb/ft**

WALL THICKNESS: **0.380"**

THREADS PER INCH: **6**



<b>P I P E B O D Y</b>	<b>OUTSIDE DIA. (in)</b>	D	4.500	<b>INSIDE DIA. (in)</b>	d	3.740	<b>DRIFT DIA. (in)</b>		3.615	<b>PLAIN END WT (lb/ft)</b>			16.72	
	<b>GRADE</b>					<b>N80</b>	<b>L80</b>	<b>C90</b>	<b>C95</b>	<b>P110</b>	<b>Q125</b>	<b>150</b>		
	<b>COLLAPSE RESISTANCE (psi)</b>					12370	12370	13920	14690	17010	19330	22890		
	<b>INTERNAL YIELD PRESSURE (psi)</b>					11820	11820	13300	14040	16260	18470	22170		
	<b>BODY YIELD STRENGTH (kips)</b>					393	393	443	467	541	615	738		
	<b>ULTIMATE STRENGTH (kips)</b>					492	467	492	516	615	664	787		
	<b>NOMINAL CROSS-SECTIONAL AREA (sq-in)</b>					4.918	4.918	4.918	4.918	4.918	4.918	4.918		
<b>M A K E U P</b>	<b>RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0</b>													
	<b>REGULAR</b>		<b>MINIMUM (ft.lb)</b>			6520	6520	6940	7160	7780	8420	9460		
			<b>OPTIMUM (ft.lb)</b>			7250	7250	7710	7950	8650	9350	10510		
			<b>MAXIMUM (ft.lb)</b>			7980	7980	8480	8750	9520	10280	11560		
			<b>BODY YIELD TORQUE (ft.lb)</b>			36010	36010	40510	42760	49510	56260	67520		
	<b>SPECIAL CLEARANCE</b>		<b>MINIMUM (ft.lb)</b>			5870	5870	6250	6440	7000	7570	8510		
			<b>OPTIMUM (ft.lb)</b>			6520	6520	6940	7150	7780	8410	9460		
<b>MAXIMUM (ft.lb)</b>			7170	7170	7630	7870	8560	9250	10410					
<b>C O N N E C T I O N</b>	<b>COLLAPSE RESISTANCE (psi)</b>					12370	12370	13920	14690	17010	19330	22890		
	<b>COMPRESSION RESISTANCE (%)</b>					100	100	100	100	100	100	100		
	<b>TENSILE EFFICIENCY (%)</b>					100	100	100	100	100	100	100		
	<b>INTERNAL YIELD PRESSURE (psi)</b>					11820	11820	13300	14040	16260	18470	22170		
	<b>MAXIMUM BENDING ANGLE (° PER 100ft)</b>					98	98	110	116	135	153	184		
	<b>BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)</b>					5.018	5.018	5.018	5.018	5.018	5.018	5.018		
	<b>MAXIMUM LOAD OF REG. COUPLING FACE (kips)</b>					253	253	285	301	348	396	475		
	<b>MAXIMUM LOAD OF S.C. COUPLING FACE (kips)</b>					128	128	144	152	176	200	240		
						<b>PARTING LOAD (kips)</b>								
	<b>REGULAR COUPLING O.D.</b>					447	428	456	479	568	618	734		
	<b>SPECIAL CLEARANCE COUPLING O.D.</b>					327	310	327	343	408	441	523		
					<b>OUTSIDE DIA. (in)</b>	<b>INSIDE DIA. (d1) (in)</b>	<b>WEIGHT (lb)</b>	<b>JOINT EFFICIENCY (%)</b>	<b>30' JOINT MUD DISPLACEMENT (in³)</b>					
	<b>REGULAR COUPLING</b>				<b>W</b>	5.101	3.840	13.79	102	1807				
	<b>SPECIAL CLEARANCE COUPLING</b>				<b>Wc</b>	4.900	3.840	10.07	70	1794				
<b>LENGTH OF COUPLING (in)</b>				<b>NL</b>	8.328									
<b>MAKE UP LOSS (in)</b>				<b>ML</b>	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														