

TECHNICAL INFORMATION - HSC HICOM

TUBING



SIZE: **4 1/2"**

NOMINAL WEIGHT: **15.10 lb/ft**

WALL THICKNESS: **0.337"**

THREADS PER INCH: **6**



PIPE BODY	OUTSIDE DIA. (in)	D	4.500	INSIDE DIA. (in)	d	3.826	DRIFT DIA. (in)	3.701	PLAIN END WT (lb/ft)	14.98		
	GRADE					N80	L80	C90	C95	P110	Q125	150
	COLLAPSE RESISTANCE (psi)					11090	11090	12230	12770	14350	15840	18110
	INTERNAL YIELD PRESSURE (psi)					10480	10480	11800	12450	14420	16380	19660
	BODY YIELD STRENGTH (kips)					353	353	397	419	485	551	661
	ULTIMATE STRENGTH (kips)					441	419	441	463	551	595	705
	NOMINAL CROSS-SECTIONAL AREA (sq-in)					4.407	4.407	4.407	4.407	4.407	4.407	4.407

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0											
	REGULAR	MINIMUM (ft.lb)				5590	5590	5960	6150	6700	7260	8200
		OPTIMUM (ft.lb)				6210	6210	6620	6830	7450	8070	9110
		MAXIMUM (ft.lb)				6830	6830	7280	7510	8200	8880	10020
	BODY YIELD TORQUE (ft.lb)				32880	32880	36990	39050	45210	51380	61650	
	SPECIAL CLEARANCE	MINIMUM (ft.lb)				5020	5020	5360	5530	6030	6530	7370
		OPTIMUM (ft.lb)				5580	5580	5960	6140	6700	7260	8190
		MAXIMUM (ft.lb)				6140	6140	6560	6750	7370	7990	9010

CONNECTION	COLLAPSE RESISTANCE (psi)					11090	11090	12230	12770	14350	15840	18110	
	COMPRESSION RESISTANCE (%)					100	100	100	100	100	100	100	
	TENSILE EFFICIENCY (%)					100	100	100	100	100	100	100	
	INTERNAL YIELD PRESSURE (psi)					10480	10480	11800	12450	14420	16380	19660	
	MAXIMUM BENDING ANGLE (° PER 100ft)					96	96	108	114	132	150	180	
	BOX CRITICAL CROSS-SECTIONAL AREA (sq-in)					4.493	4.493	4.493	4.493	4.493	4.493	4.493	
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)					211	211	238	251	291	330	396	
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)					100	100	112	119	137	156	187	
	PARTING LOAD (kips)												
	REGULAR COUPLING O.D.					401	384	408	429	509	554	658	
	SPECIAL CLEARANCE COUPLING O.D.					293	279	293	308	367	396	469	
					OUTSIDE DIA. (in)	INSIDE DIA. (d1) (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in³)				
	REGULAR COUPLING				W	5.035	3.926	12.25	102	1619			
	SPECIAL CLEARANCE COUPLING				Wc	4.854	3.926	8.93	70	1607			
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													