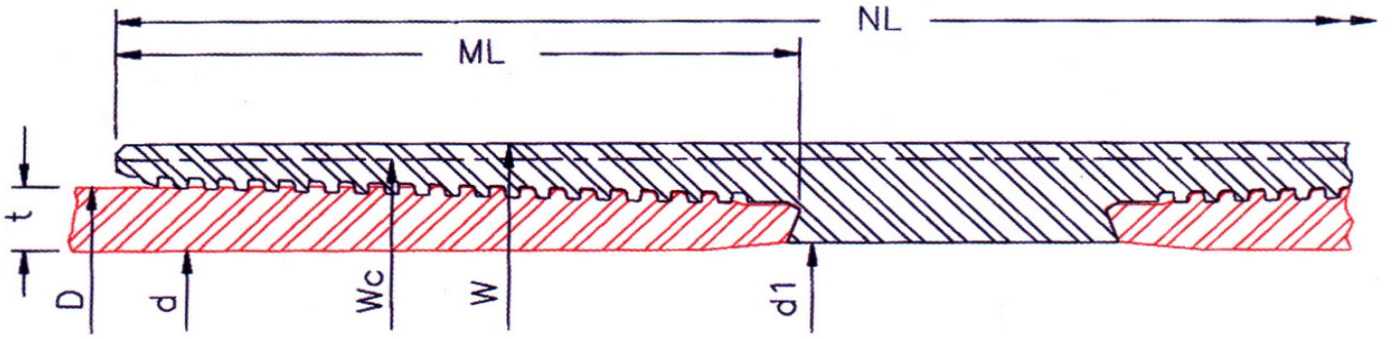
TECHNICAL INFORMATION

TUBING

SIZE:	4 1/2" (114.30mm)
NOMINAL WEIGHT:	11.60 lb/ft (17.26 kg/m)
WALL THICKNESS:	0.250" (6.35mm)
THREADS PER INCH:	6



PIPE BODY	OUTSIDE DIA. (in)	D	4.5	INSIDE DIA. (in)		d	4	DRIFT DIA. (in)	3.875	PLAIN END WT (lb/ft)		11.35
	GRADE			55	N80	80	90	95	C110	110	C125	125	140	150
	COLLAPSE RESISTANCE (psi)			4960	6350	6350	6820	7030	7580	7580	8000	8000	8300	8430
	INTERNAL YIELD PRESSURE (psi)			5350	7780	7780	8750	9240	10690	10690	12150	12150	13610	14580
	BODY YIELD STRENGTH (kips)			184	267	267	300	317	367	367	417	417	467	501
	ULTIMATE STRENGTH (kips)			317	334	317	334	350	384	417	434	451	501	534
	YIELD TORQUE (ft.lb)			17790	25870	25870	29110	30730	35580	35580	40430	40430	45280	48510
MAKE UP	RECOMMENDED MAKEUP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0													
	REGULAR (ft.lb)	MINIMUM		3130	4170	4170	4820	4820	5400	5400	6060	6060	6510	7170
		OPTIMUM		3470	4630	4630	5350	5350	6000	6000	6730	6730	7230	7960
		MAXIMUM		3810	5090	5090	5880	5880	6600	6600	7400	7400	7950	8750
	SPECIAL CLEARANCE (ft.lb)	MINIMUM		2790	3710	3710	4290	4290	4800	4800	5390	5390	5790	6380
		OPTIMUM		3130	4170	4170	4820	4820	5400	5400	6060	6060	6510	7170
		MAXIMUM		3470	4630	4630	5350	5350	6000	6000	6730	6730	7230	7960
CONNECTION	COLLAPSE RESISTANCE (psi)			4960	6350	6350	6820	7030	7580	7580	8000	8000	8300	8430
	INTERNAL YIELD PRESSURE (psi)			5350	7780	7780	8750	9240	10690	10690	12150	12150	13610	14580
	MAXIMUM LOAD OF COUPLING FACE (kips)	REGULAR		89	129	129	145	153	177	177	202	202	226	242
		S.C.		68	99	99	112	118	136	136	155	155	174	186
				PARTING LOAD (kips)										
	REGULAR COUPLING			277	304	291	309	325	359	385	407	420	467	498
	S.C. COUPLING			275	289	275	289	304	333	361	376	390	434	463

		OUTSIDE DIA. (in)	INSIDE DIA. (in)	WEIGHT (lb)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (in^3)
COUPLING OUTSIDE DIAMETER	W	4.862	3.994	9.98	102	1227
	Wc	4.813	3.994	8.94	91	1223
COUPLING LENGTH (in)	NL	9.820	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	3.969				