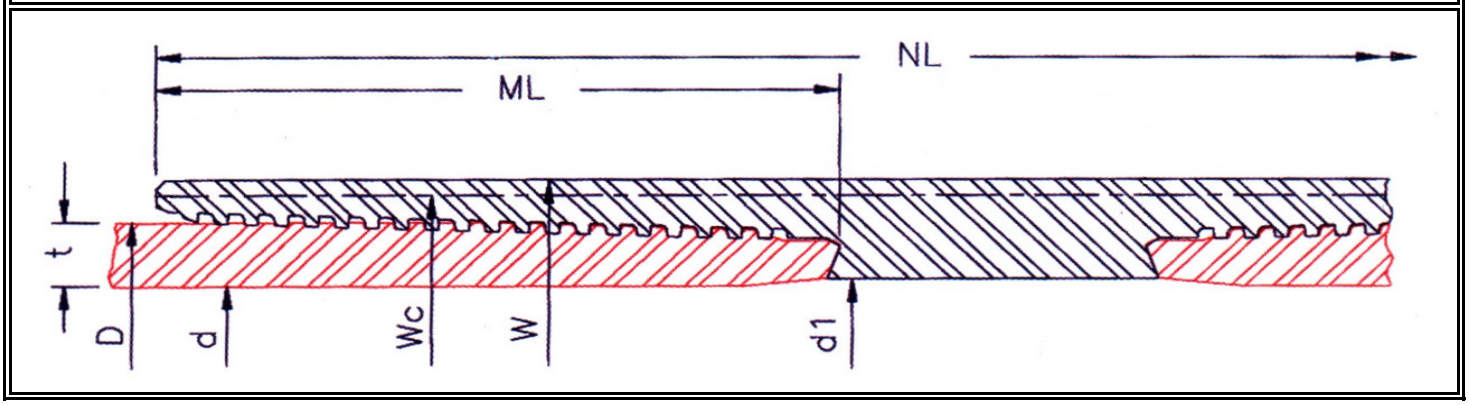
TECHNICAL INFORMATION

HSC High Sealed & Coupled

TUBING

SIZE:	4 1/2" (114.30mm)
NOMINAL WEIGHT:	10.50 lb/ft (15.63 kg/m)
WALL THICKNESS:	0.224" (5.69mm)
THREADS PER INCH:	6



PIPE BODY	OUTSIDE DIA. (in)	D	4.5	INSIDE DIA. (in)		d	4.052	DRIFT DIA. (in)	3.927	PLAIN END WT (lb/ft)		10.23
	GRADE			55	N80	80	90	95	C110	110	C125	125	140	150
	COLLAPSE RESISTANCE (psi)			4010	4940	4940	5200	5310	5550	5550	5820	5820	6100	6240
	INTERNAL YIELD PRESSURE (psi)			4790	6970	6970	7840	8280	9580	9580	10890	10890	12200	13070
	BODY YIELD STRENGTH (kips)			166	241	241	271	286	331	331	376	376	421	451
	ULTIMATE STRENGTH (kips)			286	301	286	301	316	346	376	391	406	451	481
	YIELD TORQUE (ft.lb)			16220	23590	23590	26540	28020	32440	32440	36870	36870	41290	44240
MAKE UP	RECOMMENDED MAKEUP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0													
	REGULAR (ft.lb)	MINIMUM		3060	4040	4040	4690	4690	5280	5280	5930	5930	6390	6840
		OPTIMUM		3400	4480	4480	5210	5210	5860	5860	6580	6580	7090	7590
		MAXIMUM		3740	4920	4920	5730	5730	6440	6440	7230	7230	7790	8340
	SPECIAL CLEARANCE (ft.lb)	MINIMUM		2720	3600	3600	4170	4170	4700	4700	5280	5280	5690	6090
		OPTIMUM		3060	4040	4040	4690	4690	5280	5280	5930	5930	6390	6840
		MAXIMUM		3400	4480	4480	5210	5210	5860	5860	6580	6580	7090	7590
CONNECTION	COLLAPSE RESISTANCE (psi)			4010	4940	4940	5200	5310	5550	5550	5820	5820	6100	6240
	INTERNAL YIELD PRESSURE (psi)			4790	6970	6970	7840	8280	9580	9580	10890	10890	12200	13070
	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			249	274	262	279	293	324	347	367	378	421	449
	S.C. COUPLING			249	274	262	279	293	324	347	367	378	421	449

		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	114	1109
	Wc	4.813	3.994	8.94	101	1105
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				