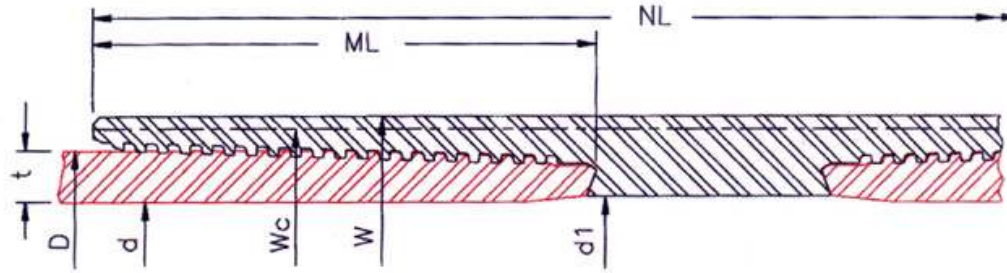


# TECHNICAL INFORMATION

# TUBING

SIZE:	4 1/2 "
NOMINAL WEIGHT:	11.60 lb/ft
WALL THICKNESS:	0.250 "
THREADS PER INCH:	6



PIPE BODY	OUTSIDE DIA.(in)D	4.500	INSIDE DIA.(in) d	4.000	DRIFT DIA. (in)			3.875	PLAIN END WT (lb/ft)		11.35
	GRADE		K55	N80	L80	C90	C95	P110	Q125	150	
	COLLAPSE RESISTANCE (psi)		4960	6350	6350	6820	7030	7580	8000	8430	
	INTERNAL YIELD PRESSURE (psi)		5350	7780	7780	8750	9240	10690	12150	14580	
	BODY YIELD STRENGTH (kips)		184	267	267	300	317	367	417	501	
	ULTIMATE STRENGTH (kips)		317	334	317	334	350	417	451	534	
	YIELD TORQUE (ft/lb)		17800	25900	25900	29100	30700	35600	40400	48500	

MAKEUP	RECOMMENDED MAKEUP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0									
	REGULAR	MINIMUM (ft/lb)	3130	4170	4170	4820	4820	5400	6060	7170
		OPTIMUM (ft/lb)	3470	4630	4630	5350	5350	6000	6730	7960
		MAXIMUM (ft/lb)	3810	5090	5090	5880	5880	6600	7400	8750
	SPECIAL CLEARANCE	MINIMUM (ft/lb)	2790	3710	3710	4290	4290	4800	5390	6380
		OPTIMUM (ft/lb)	3130	4170	4170	4820	4820	5400	6060	7170
		MAXIMUM (ft/lb)	3470	4630	4630	5350	5350	6000	6730	7960

CONNECTION	COLLAPSE RESISTANCE (psi)		4960	6350	6350	6820	7030	7580	8000	8430
	INTERNAL YIELD PRESSURE (psi)		5350	7780	7780	8750	9240	10690	12150	14580
	MAXIMUM LOAD OF REG. COUPLING FACE (kips)		89	129	129	145	153	177	202	242
	MAXIMUM LOAD OF S.C. COUPLING FACE (kips)		68	99	99	112	118	136	155	186
	PARTING LOAD (kips)									
	REGULAR COUPLING O.D.		277	304	291	309	325	385	420	498
	SPECIAL CLEARANCE COUPLING O.D.		275	289	275	289	304	361	390	463
			OUTSIDE DIA.(in)	INSIDE DIA.(in)	WEIGHT (lb)		JOINT EFFICIENCY (%)		30' JOINT MUD DISPLACEMENT (in <sup>3</sup> )	
	REGULAR COUPLING		W	4.862	3.994	10.20		102		1229
	SPECIAL CLEARANCE COUPLING		Wc	4.813	3.994	9.17		91		1225
	LENGTH OF COUPLING (in)		NL	9.821						
MAKE UP LOSS (in)		ML	3.969							

The above information is for reference only. The information is subject to change or modification without notice. Please contact HSC for the latest information