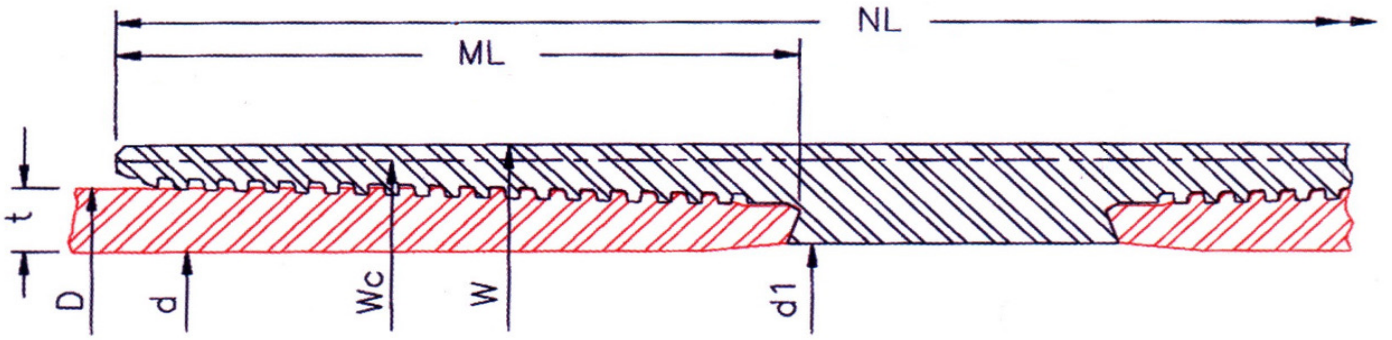
TECHNICAL INFORMATION

HSC High Sealed & Coupled

TUBING

SIZE:	114.30mm (4 1/2")
NOMINAL WEIGHT:	18.75 kg/m (12.60 lb/ft)
WALL THICKNESS:	6.88mm (0.271")
THREADS PER INCH:	6



PIPE BODY

OUTSIDE DIA. (mm)	D	114.3	INSIDE DIA. (mm)	d	100.53	DRIFT DIA. (mm)	97.36	PLAIN END WT (kg/m)	18.22

GRADE	55	N80	80	90	95	C110	110	C125	125	140	150
COLLAPSE RESISTANCE (MPa)	39.5	51.7	51.7	56	58	63.5	63.5	68.2	68.2	72.1	74.2
INTERNAL YIELD PRESSURE (MPa)	40	58.1	58.1	65.4	69	79.9	79.9	90.8	90.8	101.7	109
BODY YIELD STRENGTH (kN)	881	1281	1281	1441	1521	1762	1762	2002	2002	2242	2402
ULTIMATE STRENGTH (kN)	1521	1602	1521	1602	1682	1842	2002	2082	2162	2402	2562
YIELD TORQUE (N.m)	25770	37490	37490	42180	44520	51550	51550	58580	58580	65610	70290

MAKE UP

RECOMMENDED MAKEUP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0

		55	N80	80	90	95	C110	110	C125	125	140	150
REGULAR (N.m)	MINIMUM	4330	5830	5830	6710	6710	7510	7510	8390	8390	8830	9720
	OPTIMUM	4800	6470	6470	7460	7460	8340	8340	9310	9310	9800	10790
	MAXIMUM	5270	7100	7100	8200	8200	9170	9170	10240	10240	10780	11860
SPECIAL CLEARANCE (N.m)	MINIMUM	3850	5190	5190	5970	5970	6680	6680	7470	7470	7850	8650
	OPTIMUM	4330	5830	5830	6710	6710	7510	7510	8390	8390	8830	9720
	MAXIMUM	4800	6470	6470	7460	7460	8340	8340	9310	9310	9800	10790

CONNECTION

		55	N80	80	90	95	C110	110	C125	125	140	150
COLLAPSE RESISTANCE (MPa)		39.5	51.7	51.7	56	58	63.5	63.5	68.2	68.2	72.1	74.2
INTERNAL YIELD PRESSURE (MPa)		40	58.1	58.1	65.4	69	79.9	79.9	90.8	90.8	101.7	109
MAXIMUM LOAD OF COUPLING FACE (kN)	REGULAR	451	656	656	738	779	902	902	1025	1025	1148	1230
	S.C.	304	441	441	497	524	607	607	690	690	773	828
		PARTING LOAD (kN)										
REGULAR COUPLING		1327	1457	1395	1484	1560	1724	1848	1951	2013	2240	2391
S.C. COUPLING		1222	1286	1222	1286	1351	1479	1608	1672	1736	1929	2058

		OUTSIDE DIA. (mm)	INSIDE DIA. (mm)	WEIGHT (kg)	JOINT EFFICIENCY (%)	30' JOINT MUD DISPLACEMENT (m^3)
COUPLING OUTSIDE DIAMETER	W	124.26	101.45	4.82	101	0.02168
	Wc	122.25	101.45	4.06	85	0.02158
COUPLING LENGTH (mm)	NL	249.43	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 (mm)	ML	100.81				