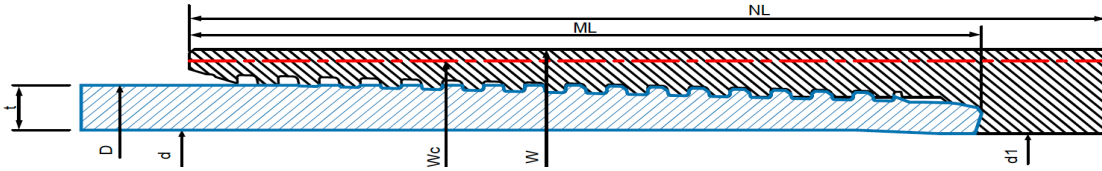


TECHNICAL INFORMATION



HSC MAX®

SIZE:	4 1/2"
WEIGHT:	11.60 lb/ft
WALL THICKNESS:	0.250"
DRIFT (API):	3.875"
THREADS/INCH (TPI) :	6



OUTSIDE DIA. (in): 4.500 INSIDE DIA. (in): 4.000 Plain End Weight: 11.36 lb/ft Min. Wall Thickness: 87.5%

MATERIAL YIELD STRENGTH (ksi)		80	N80	90	95	110	C110	125
PIPE BODY	MINIMUM YIELD STRENGTH (ksi)	80	80	90	95	110	110	125
	MAXIMUM YIELD STRENGTH (ksi)	95	110	105	110	140	120	150
	MINIMUM ULTIMATE TENSILE STRENGTH (ksi)	95	100	100	105	125	115	135
	PIPE BODY YIELD STRENGTH (klb)	267	267	300	317	367	367	417
	INTERNAL YIELD PRESSURE (psi)	7780	7780	8750	9240	10690	10690	12150
	NOMINAL CROSS -SECTIONAL AREA (sq-in)	3.338	3.338	3.338	3.338	3.338	3.338	3.338
	COLLAPSE PRESSURE (psi)	6350	6350	6820	7030	7580	7580	8000

PREMIUM THREADED & COUPLED CONNECTION		80	N80	90	95	110	C110	125
CONNECTION	NOMINAL CONNECTION OD (in)	4.903	4.903	4.903	4.903	4.903	4.903	4.903
	NOMINAL CONNECTION ID (in)	3.952	3.952	3.952	3.952	3.952	3.952	3.952
	MAKE-UP LOSS (in)	3.221	3.221	3.221	3.221	3.221	3.221	3.221
	COUPLING LENGTH (in)	7.440	7.440	7.440	7.440	7.440	7.440	7.440
	EFFICIENCY							
	TENSION EFFICIENCY (% pipe body)	100	100	100	100	100	100	100
	COMPRESSION EFFICIENCY (% pipe body)	100	100	100	100	100	100	100
	INTERNAL PRESSURE (% pipe body)	100	100	100	100	100	100	100
	EXTERNAL PRESSURE (% pipe body)	100	100	100	100	100	100	100
	MAXIMUM LOAD COUPLING FACE (klb)	144	144	162	171	198	198	225

JOINT PERFORMANCE	STRENGTH	TENSION WITH SEALABILITY (klb)	267	267	300	317	367	367	417
		COMPRESSION WITH SEALABILITY (klb)	267	267	300	317	367	367	417
	RESISTANCE	INTERNAL PRESSURE (psi)	7780	7780	8750	9240	10690	10690	12150
		EXTERNAL PRESSURE (psi)	6350	6350	6820	7030	7580	7580	8000
	MAXIMUM BENDING	STRUCTURAL (degree/100ft)	81	81	92	97	112	112	127
		WITH SEALABILITY (degree/100ft)	30	30	30	30	30	30	30

RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0		80	N80	90	95	110	C110	125
REGULAR	MINIMUM (ft.lb)	3500	3500	3800	3800	4090	4090	4380
	OPTIMUM (ft.lb)	3880	3880	4220	4220	4540	4540	4860
	MAXIMUM (ft.lb)	4260	4260	4640	4640	4990	4990	5340
SHOULDERING TORQUE (ft.lb)	MINIMUM (ft.lb)	200	200	220	220	230	230	250
	MAXIMUM (ft.lb)	2710	2710	2950	2950	3170	3170	3400
DELTA TURN (turns)	MINIMUM	0.010	0.010	0.010	0.010	0.010	0.010	0.010
	MAXIMUM	0.100	0.100	0.100	0.100	0.100	0.100	0.100

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