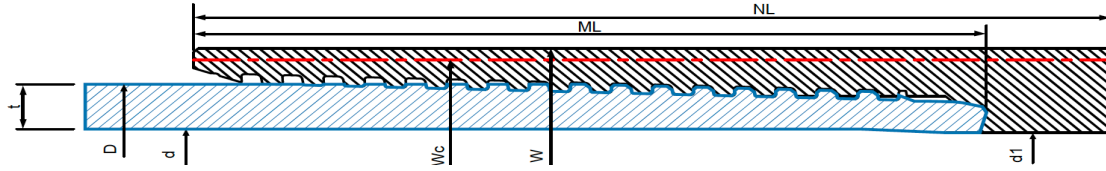


TECHNICAL INFORMATION



HSC MAX®

SIZE:	4 1/2"
WEIGHT:	10.50 lb/ft
WALL THICKNESS:	0.224"
DRIFT (API):	3.927"
THREADS/INCH (TPI) :	6



OUTSIDE DIA. (in): 4.500 INSIDE DIA. (in): 4.052 Plain End Weight: 10.24 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)	241	241	271	286	331	331	376
	INTERNAL YIELD PRESSURE (psi)	6970	6970	7840	8280	9580	9580	10890
	NOMINAL CROSS -SECTIONAL AREA (sq-in)	3.009	3.009	3.009	3.009	3.009	3.009	3.009
	COLLAPSE PRESSURE (psi)	4940	4940	5200	5310	5550	5550	5830

PREMIUM THREADED & COUPLED CONNECTION		80	N80	90	95	110	C110	125
CONNECTION	NOMINAL CONNECTION OD (in)	4.859	4.859	4.859	4.859	4.859	4.859	4.859
	NOMINAL CONNECTION ID (in)	3.999	3.999	3.999	3.999	3.999	3.999	3.999
	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)	123	123	138	146	169	169	192

JOINT PERFORMANCE	STRENGTH	TENSION WITH SEALABILITY (klb)	241	241	271	286	331	331	376
		COMPRESSION WITH SEALABILITY (klb)	241	241	271	286	331	331	376
	RESISTANCE	INTERNAL PRESSURE (psi)	6970	6970	7840	8280	9580	9580	10890
		EXTERNAL PRESSURE (psi)	4940	4940	5200	5310	5550	5550	5830
	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)	2890	2890	3150	3150	3390	3390	3620
	OPTIMUM (ft.lb)	3210	3210	3490	3490	3760	3760	4020
	MAXIMUM (ft.lb)	3530	3530	3830	3830	4130	4130	4420
SHOULDERING TORQUE (ft.lb)	MINIMUM (ft.lb)	170	170	180	180	190	190	210
	MAXIMUM (ft.lb)	2240	2240	2440	2440	2630	2630	2810
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.