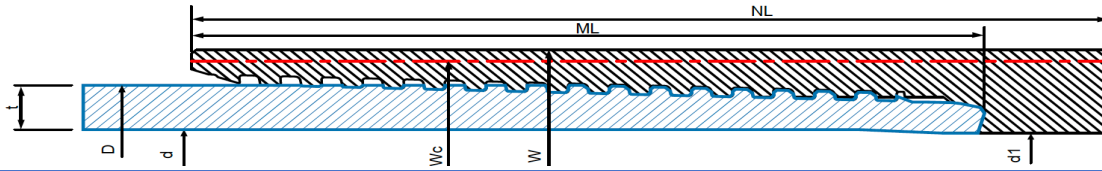


TECHNICAL INFORMATION



HSC MAX®

SIZE:	4 1/2"
WEIGHT:	17.00 lb/ft
WALL THICKNESS:	0.380"
DRIFT (API):	3.615"
THREADS/INCH (TPI) :	6



OUTSIDE DIA. (in): 4.500 INSIDE DIA. (in): 3.740 Plain End Weight: 16.74 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)	393	393	443	467	541	541	615
	INTERNAL YIELD PRESSURE (psi)	11820	11820	13300	14040	16260	16260	18470
	NOMINAL CROSS -SECTIONAL AREA (sq-in)	4.918	4.918	4.918	4.918	4.918	4.918	4.918
	COLLAPSE PRESSURE (psi)	12370	12370	13920	14690	17010	17010	19330

PREMIUM THREADED & COUPLED CONNECTION		80	N80	90	95	110	C110	125
CONNECTION	NOMINAL CONNECTION OD (in)	5.063	5.063	5.063	5.063	5.063	5.063	5.063
	NOMINAL CONNECTION ID (in)	3.680	3.680	3.680	3.680	3.680	3.680	3.680
	MAKE-UP LOSS (in)	4.041	4.041	4.041	4.041	4.041	4.041	4.041
	COUPLING LENGTH (in)	9.090	9.090	9.090	9.090	9.090	9.090	9.090
	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)	225	225	253	267	309	309	351

JOINT PERFORMANCE	STRENGTH	TENSION WITH SEALABILITY (klb)	393	393	443	467	541	541	615
		COMPRESSION WITH SEALABILITY (klb)	393	393	443	467	541	541	615
	RESISTANCE	INTERNAL PRESSURE (psi)	11820	11820	13300	14040	16260	16260	18470
		EXTERNAL PRESSURE (psi)	12370	12370	13920	14690	17010	17010	19330
	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)	6620	6620	7140	7140	7650	7650	8150
	OPTIMUM (ft.lb)	7350	7350	7930	7930	8500	8500	9050
	MAXIMUM (ft.lb)	8080	8080	8720	8720	9350	9350	9950
SHOULDERING TORQUE (ft.lb)	MINIMUM (ft.lb)	370	370	400	400	430	430	460
	MAXIMUM (ft.lb)	5140	5140	5550	5550	5950	5950	6330
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.