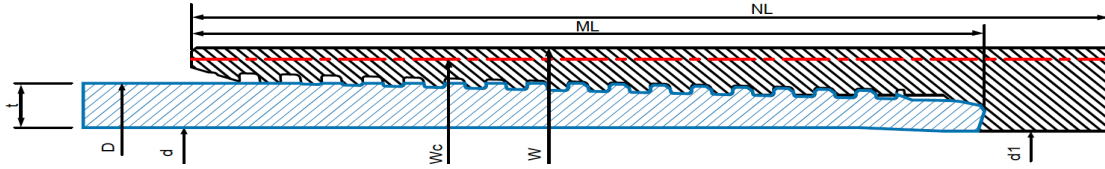


TECHNICAL INFORMATION



HSC MAX®

SIZE:	4 1/2"
WEIGHT:	12.60 lb/ft
WALL THICKNESS:	0.271"
DRIFT (API):	3.833"
THREADS/INCH (TPI) :	6



OUTSIDE DIA. (in): 4.500 INSIDE DIA. (in): 3.958 Plain End Weight: 12.25 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)	288	288	324	342	396	396	450
	INTERNAL YIELD PRESSURE (psi)	8430	8430	9490	10010	11590	11590	13170
	NOMINAL CROSS -SECTIONAL AREA (sq-in)	3.600	3.600	3.600	3.600	3.600	3.600	3.600
	COLLAPSE PRESSURE (psi)	7500	7500	8120	8410	9210	9210	9890

PREMIUM THREADED & COUPLED CONNECTION		80	N80	90	95	110	C110	125
CONNECTION	NOMINAL CONNECTION OD (in)	4.937	4.937	4.937	4.937	4.937	4.937	4.937
	NOMINAL CONNECTION ID (in)	3.913	3.913	3.913	3.913	3.913	3.913	3.913
	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)	162	162	182	192	222	222	252

JOINT PERFORMANCE	STRENGTH	TENSION WITH SEALABILITY (klb)	288	288	324	342	396	396	450
		COMPRESSION WITH SEALABILITY (klb)	288	288	324	342	396	396	450
	RESISTANCE	INTERNAL PRESSURE (psi)	8430	8430	9490	10010	11590	11590	13170
		EXTERNAL PRESSURE (psi)	7500	7500	8120	8410	9210	9210	9890
	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)	4000	4000	4340	4340	4680	4680	5010
	OPTIMUM (ft.lb)	4440	4440	4820	4820	5200	5200	5560
	MAXIMUM (ft.lb)	4880	4880	5300	5300	5720	5720	6110
SHOULDERING TORQUE (ft.lb)	MINIMUM (ft.lb)	230	230	250	250	260	260	280
	MAXIMUM (ft.lb)	3100	3100	3370	3370	3640	3640	3890
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.