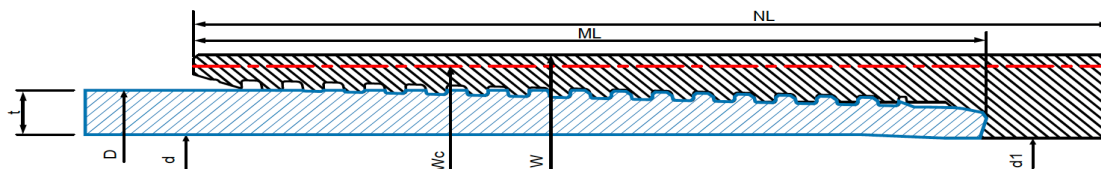


TECHNICAL INFORMATION



HSC MAX®

SIZE:	4 1/2"
WEIGHT:	21.50 lb/ft
WALL THICKNESS:	0.500"
DRIFT (API):	3.375"
THREADS/INCH (TPI) :	6



OUTSIDE DIA. (in): 4.500 INSIDE DIA. (in): 3.500 Plain End Weight: 21.38 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)	503	503	565	597	691	691	785
	INTERNAL YIELD PRESSURE (psi)	15560	15560	17500	18470	21390	21390	24310
	NOMINAL CROSS -SECTIONAL AREA (sq-in)	6.283	6.283	6.283	6.283	6.283	6.283	6.283
	COLLAPSE PRESSURE (psi)	15800	15800	17780	18770	21730	21730	24690

PREMIUM THREADED & COUPLED CONNECTION								
CONNECTION	NOMINAL CONNECTION OD (in)	5.209	5.209	5.209	5.209	5.209	5.209	5.209
	NOMINAL CONNECTION ID (in)	3.444	3.444	3.444	3.444	3.444	3.444	3.444
	MAKE-UP LOSS (in)	4.545	4.545	4.545	4.545	4.545	4.545	4.545
	COUPLING LENGTH (in)	10.080	10.080	10.080	10.080	10.080	10.080	10.080
	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)	300	300	338	357	413	413	469

JOINT PERFORMANCE	STRENGTH	TENSION WITH SEALABILITY (klb)	503	503	565	597	691	691	785
		COMPRESSION WITH SEALABILITY (klb)	503	503	565	597	691	691	785
	RESISTANCE	INTERNAL PRESSURE (psi)	15560	15560	17500	18470	21390	21390	24310
		EXTERNAL PRESSURE (psi)	15800	15800	17780	18770	21730	21730	24690
	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								
REGULAR	MINIMUM (ft.lb)	9950	9950	10400	10400	11150	11150	11800
	OPTIMUM (ft.lb)	11050	11050	11500	11500	12350	12350	13100
	MAXIMUM (ft.lb)	12150	12150	12600	12600	13550	13550	14400
SHOULDERING TORQUE (ft.lb)	MINIMUM (ft.lb)	560	560	580	580	620	620	660
	MAXIMUM (ft.lb)	7730	7730	8050	8050	8640	8640	9170
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.