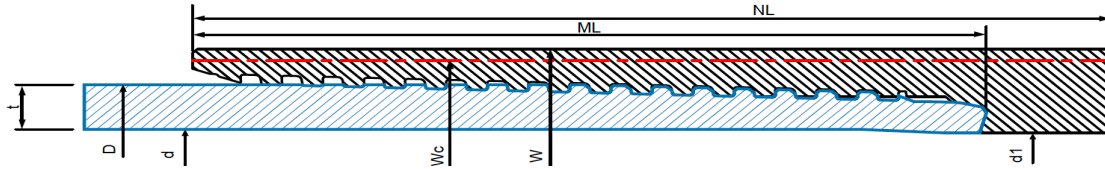


TECHNICAL INFORMATION



HSC MAX®

SIZE:	4 1/2"
WEIGHT:	17.70 lb/ft
WALL THICKNESS:	0.402"
DRIFT (API):	3.571"
THREADS/INCH (TPI) :	6



OUTSIDE DIA. (in): 4.500 INSIDE DIA. (in): 3.696 Plain End Weight: 17.61 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)	414	414	466	492	569	569	647
	INTERNAL YIELD PRESSURE (psi)	12510	12510	14070	14850	17200	17200	19540
	NOMINAL CROSS -SECTIONAL AREA (sq-in)	5.175	5.175	5.175	5.175	5.175	5.175	5.175
	COLLAPSE PRESSURE (psi)	13020	13020	14640	15460	17900	17900	20340

PREMIUM THREADED & COUPLED CONNECTION								
CONNECTION	NOMINAL CONNECTION OD (in)	5.096	5.096	5.096	5.096	5.096	5.096	5.096
	NOMINAL CONNECTION ID (in)	3.641	3.641	3.641	3.641	3.641	3.641	3.641
	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)	242	242	272	287	332	332	378

JOINT PERFORMANCE	STRENGTH	TENSION WITH SEALABILITY (klb)	414	414	466	492	569	569	647
		COMPRESSION WITH SEALABILITY (klb)	414	414	466	492	569	569	647
	RESISTANCE	INTERNAL PRESSURE (psi)	12510	12510	14070	14850	17200	17200	19540
		EXTERNAL PRESSURE (psi)	13020	13020	14640	15460	17900	17900	20340
	MAXIMUM BENDING	STRUCTURAL (degree/100ft)	81	81	92	97	112	112	127
		WITH SEALABILITY (degree/100ft)	30	30	30	30	30	30	30

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0								
	REGULAR	MINIMUM (ft.lb)	7190	7190	7740	7740	8280	8280	8900
		OPTIMUM (ft.lb)	7980	7980	8600	8600	9200	9200	9800
		MAXIMUM (ft.lb)	8770	8770	9460	9460	10120	10120	10700
	SHOULDERING TORQUE (ft.lb)	MINIMUM (ft.lb)	400	400	430	430	460	460	490
		MAXIMUM (ft.lb)	5580	5580	6020	6020	6440	6440	6860
	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.