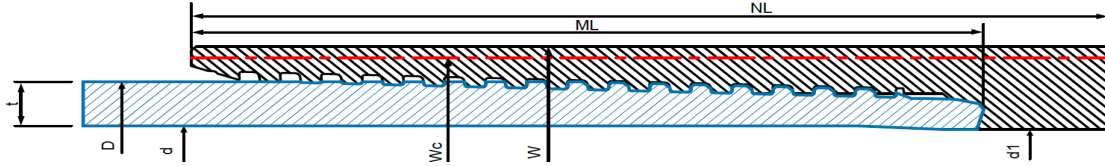


TECHNICAL INFORMATION



HSC MAX®

SIZE:	4 1/2"
WEIGHT:	18.90 lb/ft
WALL THICKNESS:	0.430"
DRIFT (API):	3.515"
THREADS/INCH (TPI) :	6



OUTSIDE DIA. (in): 4.500 INSIDE DIA. (in): 3.640 Plain End Weight: 18.71 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)	440	440	495	522	605	605	687
	INTERNAL YIELD PRESSURE (psi)	13380	13380	15050	15890	18390	18390	20900
	NOMINAL CROSS -SECTIONAL AREA (sq-in)	5.498	5.498	5.498	5.498	5.498	5.498	5.498
	COLLAPSE PRESSURE (psi)	13830	13830	15560	16420	19010	19010	21610

PREMIUM THREADED & COUPLED CONNECTION								
CONNECTION	NOMINAL CONNECTION OD (in)	5.137	5.137	5.137	5.137	5.137	5.137	5.137
	NOMINAL CONNECTION ID (in)	3.586	3.586	3.586	3.586	3.586	3.586	3.586
	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)	263	263	296	312	361	361	411

JOINT PERFORMANCE	STRENGTH	TENSION WITH SEALABILITY (klb)	440	440	495	522	605	605	687
		COMPRESSION WITH SEALABILITY (klb)	440	440	495	522	605	605	687
	RESISTANCE	INTERNAL PRESSURE (psi)	13380	13380	15050	15890	18390	18390	20900
		EXTERNAL PRESSURE (psi)	13830	13830	15560	16420	19010	19010	21610
	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)	7920	7920	8550	8550	9200	9200	9850
	OPTIMUM (ft.lb)	8800	8800	9500	9500	10200	10200	10850
	MAXIMUM (ft.lb)	9680	9680	10450	10450	11200	11200	11850
SHOULDERING TORQUE (ft.lb)	MINIMUM (ft.lb)	440	440	480	480	510	510	550
	MAXIMUM (ft.lb)	6160	6160	6650	6650	7140	7140	7590
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.