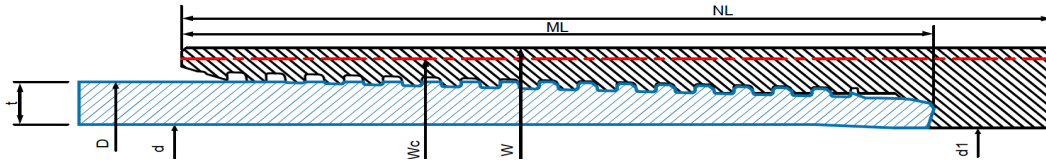


TECHNICAL INFORMATION



HSC MAX[®]

SIZE:	4 1/2"
WEIGHT:	15.10 lb/ft
WALL THICKNESS:	0.337"
DRIFT (API):	3.701"
THREADS/INCH (TPI) :	6



OUTSIDE DIA. (in): 4.500 INSIDE DIA. (in): 3.826 Plain End Weight: 15.00 lb/ft Min. Wall Thickness: 87.5%

MATERIAL YIELD STRENGTH (ksi)		80	N80	90	95	110	C110	125	140
PIPE BODY	MINIMUM YIELD STRENGTH (ksi)	80	80	90	95	110	110	125	140
	MAXIMUM YIELD STRENGTH (ksi)	95	110	105	110	140	120	150	165
	MINIMUM ULTIMATE TENSILE STRENGTH (ksi)	95	100	100	105	125	115	135	150
	PIPE BODY YIELD STRENGTH (klb)	353	353	397	419	485	485	551	617
	INTERNAL YIELD PRESSURE (psi)	10480	10480	11800	12450	14420	14420	16380	18350
	NOMINAL CROSS-SECTIONAL AREA (sq-in)	4.407	4.407	4.407	4.407	4.407	4.407	4.407	4.407
	COLLAPSE PRESSURE (psi)	11080	11080	12220	12760	14340	14340	15830	18950

PREMIUM THREADED & COUPLED CONNECTION		80	N80	90	95	110	C110	125	140
CONNECTION	NOMINAL CONNECTION OD (in)	5.042	5.042	5.042	5.042	5.042	5.042	5.042	5.042
	NOMINAL CONNECTION ID (in)	3.798	3.798	3.798	3.798	3.798	3.798	3.798	3.798
	MAKE-UP LOSS (in)	3.221	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	7.440
	EFFICIENCY								
	TENSION EFFICIENCY (% pipe body)	100	100	100	100	100	100	100	100
	COMPRESSION EFFICIENCY (% pipe body)	100	100	100	100	100	100	100	100
	INTERNAL PRESSURE (% pipe body)	100	100	100	100	100	100	100	100
	EXTERNAL PRESSURE (% pipe body)	100	100	100	100	100	100	100	100
	MAXIMUM LOAD COUPLING FACE (klb)	214	214	241	254	295	295	335	375

JOINT PERFORMANCE	STRENGTH	TENSION WITH SEALABILITY (klb)	353	353	397	419	485	485	551	617
		COMPRESSION WITH SEALABILITY (klb)	353	353	397	419	485	485	551	617
	RESISTANCE	INTERNAL PRESSURE (psi)	10480	10480	11800	12450	14420	14420	16380	18350
		EXTERNAL PRESSURE (psi)	11080	11080	12220	12760	14340	14340	15830	18950
	MAXIMUM BENDING	STRUCTURAL (degree/100ft)	81	81	92	97	112	112	127	143
		WITH SEALABILITY (degree/100ft)	30	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	140
REGULAR	MINIMUM (ft.lb)	5550	5550	6010	6010	6460	6460	6890	7180
	OPTIMUM (ft.lb)	6160	6160	6670	6670	7170	7170	7650	7970
	MAXIMUM (ft.lb)	6770	6770	7330	7330	7880	7880	8410	8760
SHOULDERING TORQUE (ft-lb)	MINIMUM (ft.lb)	310	310	340	340	360	360	390	400
	MAXIMUM (ft.lb)	4310	4310	4660	4660	5010	5010	5350	5570
DELTA TURN (turns)	MINIMUM	0.010	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	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.