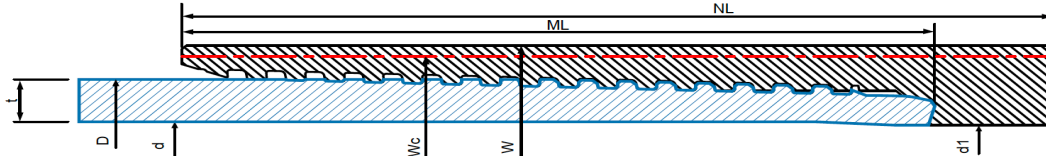


TECHNICAL INFORMATION



HSC MAX[®]

SIZE:	4 1/2"
WEIGHT:	13.50 lb/ft
WALL THICKNESS:	0.290"
DRIFT (API):	3.795"
THREADS/INCH (TPI) :	6



OUTSIDE DIA. (in): 4.500 INSIDE DIA. (in): 3.920 Plain End Weight: 13.05 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)	307	307	345	364	422	422	480	537
	INTERNAL YIELD PRESSURE (psi)	9020	9020	10150	10710	12410	12410	14100	15790
	NOMINAL CROSS -SECTIONAL AREA (sq-in)	3.836	3.836	3.836	3.836	3.836	3.836	3.836	3.836
	COLLAPSE PRESSURE (psi)	8540	8540	9300	9660	10690	10690	11600	15020

PREMIUM THREADED & COUPLED CONNECTION									
CONNECTION	NOMINAL CONNECTION OD (in)	4.968	4.968	4.968	4.968	4.968	4.968	4.968	4.968
	NOMINAL CONNECTION ID (in)	3.877	3.877	3.877	3.877	3.877	3.877	3.877	3.877
	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)	177	177	199	210	243	243	277	310

JOINT PERFORMANCE	STRENGTH	TENSION WITH SEALABILITY (klb)	307	307	345	364	422	422	480	537
		COMPRESSION WITH SEALABILITY (klb)	307	307	345	364	422	422	480	537
	RESISTANCE	INTERNAL PRESSURE (psi)	9020	9020	10150	10710	12410	12410	14100	15790
		EXTERNAL PRESSURE (psi)	8540	8540	9300	9660	10690	10690	11600	15020
	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

MAKE UP	RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0									
	REGULAR	MINIMUM (ft.lb)	4450	4450	4830	4830	5200	5200	5560	5790
		OPTIMUM (ft.lb)	4940	4940	5360	5360	5770	5770	6170	6430
		MAXIMUM (ft.lb)	5430	5430	5890	5890	6340	6340	6780	7070
	SHOULDERING TORQUE (ft-lb)	MINIMUM (ft.lb)	250	250	270	270	290	290	310	330
		MAXIMUM (ft.lb)	3450	3450	3750	3750	4030	4030	4310	4,500
	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.