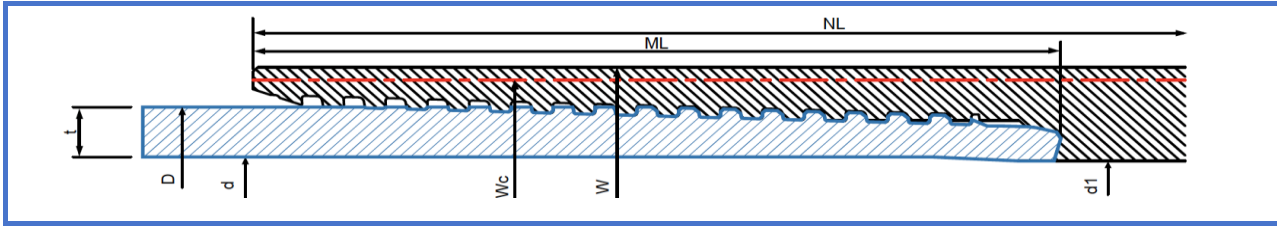


TECHNICAL INFORMATION

HSC MAX



| | |
|----------------------|-------------|
| SIZE: | 13 3/8" |
| WEIGHT: | 72.00 lb/ft |
| WALL THICKNESS: | 0.514" |
| DRIFT (API): | 12.191" |
| THREADS/INCH (TPI) : | 4 |



| | | | | | | | |
|--------------------|--------|-------------------|--------|-------------------|-------------|----------------------|-------|
| OUTSIDE DIA. (in): | 13.375 | INSIDE DIA. (in): | 12.347 | Plain End Weight: | 70.67 lb/ft | Min. Wall Thickness: | 87.5% |
|--------------------|--------|-------------------|--------|-------------------|-------------|----------------------|-------|

| | | 80 | 90 | 95 | 110 | 125 |
|-----------|---|--------|--------|--------|--------|--------|
| PIPE BODY | MINIMUM YIELD STRENGTH (ksi) | 80 | 90 | 95 | 110 | 125 |
| | MAXIMUM YIELD STRENGTH (ksi) | 95 | 105 | 110 | 140 | 150 |
| | MINIMUM ULTIMATE TENSILE STRENGTH (ksi) | 95 | 100 | 105 | 125 | 135 |
| | PIPE BODY YIELD STRENGTH (klb) | 1661 | 1869 | 1973 | 2284 | 2596 |
| | INTERNAL YIELD PRESSURE (psi) | 5380 | 6050 | 6390 | 7400 | 8410 |
| | NOMINAL CROSS -SECTIONAL AREA (sq-in) | 20.768 | 20.768 | 20.768 | 20.768 | 20.768 |
| | COLLAPSE PRESSURE (psi) | 2670 | 2780 | 2820 | 2880 | 2880 |

| | | 80 | 90 | 95 | 110 | 125 | |
|------------|---------------------------------------|--------|--------|--------|--------|--------|--|
| CONNECTION | PREMIUM THREADED & COUPLED CONNECTION | | | | | | |
| | NOMINAL CONNECTION OD (in) | 14.237 | 14.237 | 14.237 | 14.237 | 14.237 | |
| | NOMINAL CONNECTION ID (in) | 12.562 | 12.562 | 12.562 | 12.562 | 12.562 | |
| | MAKE-UP LOSS (in) | 5.698 | 5.698 | 5.698 | 5.698 | 5.698 | |
| | COUPLING LENGTH (in) | 13.390 | 13.390 | 13.390 | 13.390 | 13.390 | |
| | EFFICIENCY | | | | | | |
| | TENSION EFFICIENCY (% pipe body) | 100 | 100 | 100 | 100 | 100 | |
| | COMPRESSION EFFICIENCY (% pipe body) | 60 | 60 | 60 | 60 | 60 | |
| | INTERNAL PRESSURE (% pipe body) | 100 | 100 | 100 | 100 | 100 | |
| | EXTERNAL PRESSURE (% pipe body) | 100 | 100 | 100 | 100 | 100 | |
| | MAXIMUM LOAD COUPLING FACE (klb) | 992 | 1116 | 1178 | 1364 | 1550 | |

| JOINT PERFORMANCE | STRENGTH | TENSION (klb) | 1661 | 1869 | 1973 | 2284 | 2596 |
|-------------------|-----------------|---------------------------|------|------|------|------|------|
| | | COMPRESSION (klb) | 997 | 1121 | 1184 | 1371 | 1558 |
| | RESISTANCE | INTERNAL PRESSURE (psi) | 5380 | 6050 | 6390 | 7400 | 8410 |
| | | EXTERNAL PRESSURE (psi) | 2670 | 2780 | 2820 | 2880 | 2880 |
| | MAXIMUM BENDING | STRUCTURAL (degree/100ft) | 22 | 25 | 26 | 30 | 34 |

| | | RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 | | | | | |
|----------------------------|-----------------|---|-------|-------|-------|-------|-------|
| MAKE UP | REGULAR | MINIMUM (ft.lb) | 20850 | 20850 | 20850 | 20850 | 20850 |
| | | OPTIMUM (ft.lb) | 23150 | 23150 | 23150 | 23150 | 23150 |
| | | MAXIMUM (ft.lb) | 25450 | 25450 | 25450 | 25450 | 25450 |
| SHOULDERING TORQUE (ft-lb) | MINIMUM (ft.lb) | 1160 | 1160 | 1160 | 1160 | 1160 | |
| | MAXIMUM (ft.lb) | 16200 | 16200 | 16200 | 16200 | 16200 | |
| DELTA TURN (turns) | MINIMUM | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | |
| | MAXIMUM | 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.