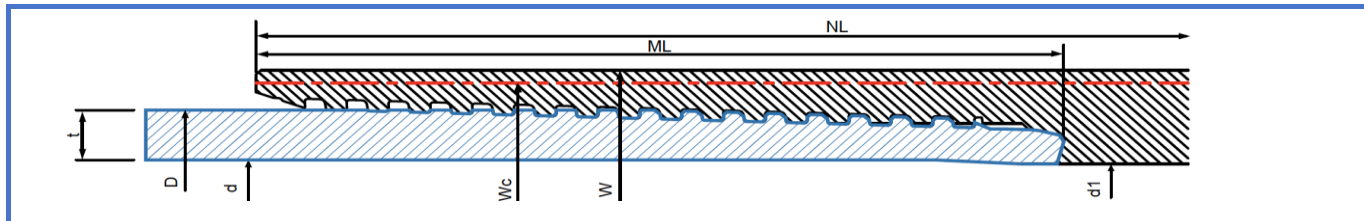


TECHNICAL INFORMATION

HSC MAX



| | |
|----------------------|-------------|
| SIZE: | 7" |
| WEIGHT: | 35.00 lb/ft |
| WALL THICKNESS: | 0.498" |
| DRIFT (API): | 5.879" |
| THREADS/INCH (TPI) : | 5 |



OUTSIDE DIA. (in): 7.000 INSIDE DIA. (in): 6.004 Plain End Weight: 34.61 lb/ft Min. Wall Thickness: 87.5%

| MATERIAL YIELD STRENGTH (ksi) | | 80 | 90 | 95 | 110 | 125 | 140 |
|-------------------------------|---|--------|--------|--------|--------|--------|--------|
| PIPE BODY | MINIMUM YIELD STRENGTH (ksi) | 80 | 90 | 95 | 110 | 125 | 140 |
| | MAXIMUM YIELD STRENGTH (ksi) | 95 | 105 | 110 | 140 | 150 | 165 |
| | MINIMUM ULTIMATE TENSILE STRENGTH (ksi) | 95 | 100 | 105 | 125 | 135 | 150 |
| | PIPE BODY YIELD STRENGTH (klb) | 814 | 915 | 966 | 1119 | 1272 | 1424 |
| | INTERNAL YIELD PRESSURE (psi) | 9960 | 11210 | 11830 | 13700 | 15560 | 17430 |
| | NOMINAL CROSS -SECTIONAL AREA (sq-in) | 10.172 | 10.172 | 10.172 | 10.172 | 10.172 | 10.172 |
| | COLLAPSE PRESSURE (psi) | 10180 | 11170 | 11650 | 13030 | 14310 | 17540 |

| PREMIUM THREADED & COUPLED CONNECTION | | | | | | | | |
|---------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|--------|--|
| CONNECTION | NOMINAL CONNECTION OD (in) | 7.788 | 7.788 | 7.788 | 7.788 | 7.788 | 7.788 | |
| | NOMINAL CONNECTION ID (in) | 6.161 | 6.161 | 6.161 | 6.161 | 6.161 | 6.161 | |
| | MAKE-UP LOSS (in) | 4.775 | 4.775 | 4.775 | 4.775 | 4.775 | 4.775 | |
| | COUPLING LENGTH (in) | 11.540 | 11.540 | 11.540 | 11.540 | 11.540 | 11.540 | |
| | EFFICIENCY | | | | | | | |
| | TENSION EFFICIENCY (% pipe body) | 100 | 100 | 100 | 100 | 100 | 100 | |
| | COMPRESSION EFFICIENCY (% pipe body) | 60 | 60 | 60 | 60 | 60 | 60 | |
| | INTERNAL PRESSURE (% pipe body) | 100 | 100 | 100 | 100 | 100 | 100 | |
| | EXTERNAL PRESSURE (% pipe body) | 100 | 100 | 100 | 100 | 100 | 100 | |
| | MAXIMUM LOAD COUPLING FACE (klb) | 478 | 538 | 568 | 658 | 747 | 837 | |

| JOINT PERFORMANCE | STRENGTH | TENSION (klb) | 814 | 915 | 966 | 1119 | 1272 | 1424 |
|-------------------|-----------------|---------------------------|-------|-------|-------|-------|-------|-------|
| | | COMPRESSION (klb) | 488 | 549 | 580 | 671 | 763 | 854 |
| | RESISTANCE | INTERNAL PRESSURE (psi) | 9960 | 11210 | 11830 | 13700 | 15560 | 17430 |
| | | EXTERNAL PRESSURE (psi) | 10180 | 11170 | 11650 | 13030 | 14310 | 17540 |
| | MAXIMUM BENDING | STRUCTURAL (degree/100ft) | 42 | 47 | 50 | 58 | 65 | 73 |

| RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 | | | | | | | | |
|---|----------------------------|-----------------|-------|-------|-------|-------|-------|-------|
| MAKE UP | REGULAR | MINIMUM (ft.lb) | 12100 | 13700 | 13700 | 15050 | 16300 | 17600 |
| | | OPTIMUM (ft.lb) | 13400 | 15200 | 15200 | 16650 | 18100 | 19500 |
| | | MAXIMUM (ft.lb) | 14700 | 16700 | 16700 | 18250 | 19900 | 21400 |
| | SHOULDERING TORQUE (ft-lb) | MINIMUM (ft.lb) | 670 | 760 | 760 | 840 | 910 | 980 |
| | | MAXIMUM (ft.lb) | 9380 | 10640 | 10640 | 11650 | 12670 | 13650 |
| | DELTA TURN (turns) | MINIMUM | 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 | |

The above information is for reference only, and is subject to change or modification without notice. Please contact HSC for the latest information.