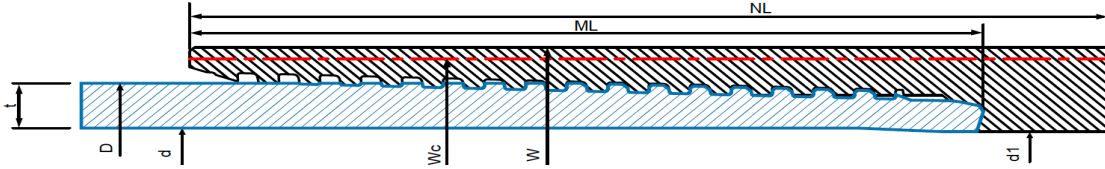


# TECHNICAL INFORMATION



**HSC MAX®**

|                      |             |
|----------------------|-------------|
| SIZE:                | 3 1/2"      |
| WEIGHT:              | 15.50 lb/ft |
| WALL THICKNESS:      | 0.476"      |
| DRIFT (API):         | 2.423"      |
| THREADS/INCH (TPI) : | 6           |



OUTSIDE DIA. (in): 3.500    INSIDE DIA. (in): 2.548    Plain End Weight: 15.39 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)          | 362   | 362   | 407   | 430   | 497   | 497   | 565   |
|                               | INTERNAL YIELD PRESSURE (psi)           | 19040 | 19040 | 21420 | 22610 | 26180 | 26180 | 29750 |
|                               | NOMINAL CROSS -SECTIONAL AREA (sq-in)   | 4.522 | 4.522 | 4.522 | 4.522 | 4.522 | 4.522 | 4.522 |
|                               | COLLAPSE PRESSURE (psi)                 | 18800 | 18800 | 21150 | 22330 | 25850 | 25850 | 29380 |

| PREMIUM THREADED & COUPLED CONNECTION |                                      |       |       |       |       |       |       |       |
|---------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| CONNECTION                            | NOMINAL CONNECTION OD (in)           | 4.154 | 4.154 | 4.154 | 4.154 | 4.154 | 4.154 | 4.154 |
|                                       | NOMINAL CONNECTION ID (in)           | 2.518 | 2.518 | 2.518 | 2.518 | 2.518 | 2.518 | 2.518 |
|                                       | MAKE-UP LOSS (in)                    | 4.260 | 4.260 | 4.260 | 4.260 | 4.260 | 4.260 | 4.260 |
|                                       | COUPLING LENGTH (in)                 | 9.530 | 9.530 | 9.530 | 9.530 | 9.530 | 9.530 | 9.530 |
|                                       | 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)     | 216   | 216   | 243   | 256   | 297   | 297   | 337   |

|                   |                 |                                    |       |       |       |       |       |       |       |
|-------------------|-----------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| JOINT PERFORMANCE | STRENGTH        | TENSION WITH SEALABILITY (klb)     | 362   | 362   | 407   | 430   | 497   | 497   | 565   |
|                   |                 | COMPRESSION WITH SEALABILITY (klb) | 362   | 362   | 407   | 430   | 497   | 497   | 565   |
|                   | RESISTANCE      | INTERNAL PRESSURE (psi)            | 19040 | 19040 | 21420 | 22610 | 26180 | 26180 | 29750 |
|                   |                 | EXTERNAL PRESSURE (psi)            | 18800 | 18800 | 21150 | 22330 | 25850 | 25850 | 29380 |
|                   | MAXIMUM BENDING | STRUCTURAL (degree/100ft)          | 105   | 105   | 118   | 124   | 144   | 144   | 164   |
|                   |                 | 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) | 6670  | 6670  | 7310  | 7310  | 7790  | 7790  | 8060  |
|                                                                                           | OPTIMUM (ft.lb) | 7410  | 7410  | 8120  | 8120  | 8650  | 8650  | 8950  |
|                                                                                           | MAXIMUM (ft.lb) | 8150  | 8150  | 8930  | 8930  | 9510  | 9510  | 9840  |
| SHOULDERING TORQUE (ft.lb)                                                                | MINIMUM (ft.lb) | 380   | 380   | 410   | 410   | 440   | 440   | 450   |
|                                                                                           | MAXIMUM (ft.lb) | 5180  | 5180  | 5680  | 5680  | 6050  | 6050  | 6260  |
| DELTA TURN (turns)                                                                        | MINIMUM         | 0.010 | 0.01  | 0.010 | 0.010 | 0.010 | 0.01  | 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.