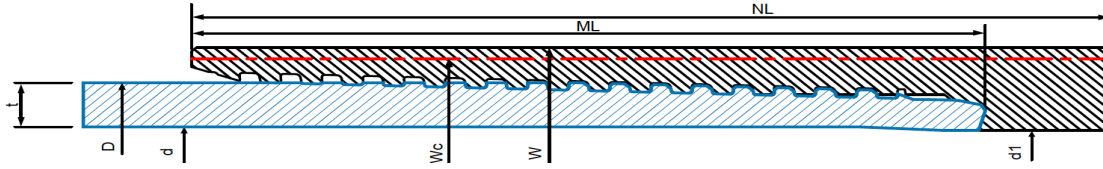


# TECHNICAL INFORMATION

**HSC MAX®**



|                      |             |
|----------------------|-------------|
| SIZE:                | 2 7/8"      |
| WEIGHT:              | 11.50 lb/ft |
| WALL THICKNESS:      | 0.440"      |
| DRIFT (API):         | 1.901"      |
| THREADS/INCH (TPI) : | 8           |



OUTSIDE DIA. (in): 2.875    INSIDE DIA. (in): 1.995    Plain End Weight: 11.45 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)          | 269   | 269   | 303   | 320   | 370   | 370   | 421   |
|                               | INTERNAL YIELD PRESSURE (psi)           | 21430 | 21430 | 24100 | 25440 | 29460 | 29460 | 33480 |
|                               | NOMINAL CROSS -SECTIONAL AREA (sq-in)   | 3.366 | 3.366 | 3.366 | 3.366 | 3.366 | 3.366 | 3.366 |
|                               | COLLAPSE PRESSURE (psi)                 | 20740 | 20740 | 23330 | 24630 | 28520 | 28520 | 32410 |

| PREMIUM THREADED & COUPLED CONNECTION |                                      |       |       |       |       |       |       |       |
|---------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| CONNECTION                            | NOMINAL CONNECTION OD (in)           | 3.470 | 3.470 | 3.470 | 3.470 | 3.470 | 3.470 | 3.470 |
|                                       | NOMINAL CONNECTION ID (in)           | 1.987 | 1.987 | 1.987 | 1.987 | 1.987 | 1.987 | 1.987 |
|                                       | MAKE-UP LOSS (in)                    | 3.557 | 3.557 | 3.557 | 3.557 | 3.557 | 3.557 | 3.557 |
|                                       | COUPLING LENGTH (in)                 | 8.110 | 8.110 | 8.110 | 8.110 | 8.110 | 8.110 | 8.110 |
|                                       | 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)     | 160   | 160   | 180   | 190   | 221   | 221   | 251   |

|                   |                 |                                    |       |       |       |       |       |       |       |
|-------------------|-----------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| JOINT PERFORMANCE | STRENGTH        | TENSION WITH SEALABILITY (klb)     | 269   | 269   | 303   | 320   | 370   | 370   | 421   |
|                   |                 | COMPRESSION WITH SEALABILITY (klb) | 269   | 269   | 303   | 320   | 370   | 370   | 421   |
|                   | RESISTANCE      | INTERNAL PRESSURE (psi)            | 21430 | 21430 | 24100 | 25440 | 29460 | 29460 | 33480 |
|                   |                 | EXTERNAL PRESSURE (psi)            | 20740 | 20740 | 23330 | 24630 | 28520 | 28520 | 32410 |
|                   | MAXIMUM BENDING | STRUCTURAL (degree/100ft)          | 128   | 128   | 143   | 151   | 175   | 175   | 199   |
|                   |                 | WITH SEALABILITY (degree/100ft)    | 30    | 30    | 30    | 30    | 30    | 30    | 30    |

| MAKE<br>UP | RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 |                 |       |       |       |       |       |       |       |
|------------|-------------------------------------------------------------------------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|
|            | REGULAR                                                                                   | MINIMUM (ft.lb) | 4200  | 4200  | 4790  | 4790  | 5290  | 5290  | 5580  |
|            |                                                                                           | OPTIMUM (ft.lb) | 4660  | 4660  | 5320  | 5320  | 5870  | 5870  | 6190  |
|            |                                                                                           | MAXIMUM (ft.lb) | 5120  | 5120  | 5850  | 5850  | 6450  | 6450  | 6800  |
|            | SHOULDERING TORQUE (ft.lb)                                                                | MINIMUM (ft.lb) | 240   | 240   | 270   | 270   | 300   | 300   | 310   |
|            |                                                                                           | MAXIMUM (ft.lb) | 3260  | 3260  | 3720  | 3720  | 4100  | 4100  | 4330  |
|            | 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.