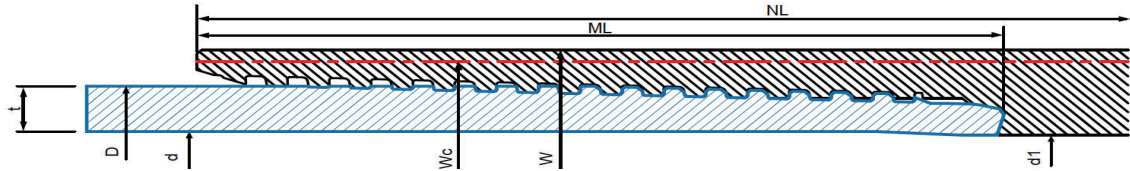


# TECHNICAL INFORMATION



**HSC MAX®**

|                      |             |
|----------------------|-------------|
| SIZE:                | 16"         |
| WEIGHT:              | 84.00 lb/ft |
| WALL THICKNESS:      | 0.495"      |
| DRIFT (API):         | 14.823"     |
| THREADS/INCH (TPI) : | 4           |



OUTSIDE DIA. (in): 16.000    INSIDE DIA. (in): 15.010    Plain End Weight: 82.05 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)          | 1929   | 1929   | 2170   | 2291   | 2652   | 2652   | 3014   |
|                               | INTERNAL YIELD PRESSURE (psi)           | 4330   | 4330   | 4870   | 5140   | 5960   | 5960   | 6770   |
|                               | NOMINAL CROSS-SECTIONAL AREA (sq-in)    | 24.112 | 24.112 | 24.112 | 24.112 | 24.112 | 24.112 | 24.112 |
|                               | COLLAPSE PRESSURE (psi)                 | 1480   | 1480   | 1480   | 1480   | 1480   | 1480   | 1480   |

| PREMIUM THREADED & COUPLED CONNECTION |                                      | 80     | N80    | 90     | 95     | 110    | C110   | 125    |
|---------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| CONNECTION                            | NOMINAL CONNECTION OD (in)           | 16.863 | 16.863 | 16.863 | 16.863 | 16.863 | 16.863 | 16.863 |
|                                       | NOMINAL CONNECTION ID (in)           | 15.233 | 15.233 | 15.233 | 15.233 | 15.233 | 15.233 | 15.233 |
|                                       | MAKE-UP LOSS (in)                    | 5.252  | 5.252  | 5.252  | 5.252  | 5.252  | 5.252  | 5.252  |
|                                       | COUPLING LENGTH (in)                 | 12.520 | 12.520 | 12.520 | 12.520 | 12.520 | 12.520 | 12.520 |
|                                       | EFFICIENCY                           |        |        |        |        |        |        |        |
|                                       | TENSION EFFICIENCY (% pipe body)     | 100    | 100    | 100    | 100    | 100    | 100    | 100    |
|                                       | COMPRESSION EFFICIENCY (% pipe body) | 60     | 60     | 60     | 60     | 60     | 60     | 60     |
|                                       | 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)     | 1181   | 1181   | 1329   | 1403   | 1624   | 1624   | 1846   |

|                   |                 |                           |      |      |      |      |      |      |      |
|-------------------|-----------------|---------------------------|------|------|------|------|------|------|------|
| JOINT PERFORMANCE | STRENGTH        | TENSION (klb)             | 1929 | 1929 | 2170 | 2291 | 2652 | 2652 | 3014 |
|                   |                 | COMPRESSION (klb)         | 1157 | 1157 | 1302 | 1374 | 1591 | 1591 | 1808 |
|                   | RESISTANCE      | INTERNAL PRESSURE (psi)   | 4330 | 4330 | 4870 | 5140 | 5960 | 5960 | 6770 |
|                   |                 | EXTERNAL PRESSURE (psi)   | 1480 | 1480 | 1480 | 1480 | 1480 | 1480 | 1480 |
|                   | MAXIMUM BENDING | STRUCTURAL (degree/100ft) | 18   | 18   | 21   | 22   | 25   | 25   | 29   |

| RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 |                 | 80    | N80   | 90    | 95    | 110   | C110  | 125   |
|-------------------------------------------------------------------------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|
| REGULAR                                                                                   | MINIMUM (ft.lb) | 30000 | 30000 | 30000 | 30000 | 30000 | 30000 | 30000 |
|                                                                                           | OPTIMUM (ft.lb) | 33300 | 33300 | 33300 | 33300 | 33300 | 33300 | 33300 |
|                                                                                           | MAXIMUM (ft.lb) | 36600 | 36600 | 36600 | 36600 | 36600 | 36600 | 36600 |
| SHOULDERING TORQUE (ft.lb)                                                                | MINIMUM (ft.lb) | 1670  | 1670  | 1670  | 1670  | 1670  | 1670  | 1670  |
|                                                                                           | MAXIMUM (ft.lb) | 23310 | 23310 | 23310 | 23310 | 23310 | 23310 | 23310 |
| DELTA TURN (turns)                                                                        | MINIMUM         | 0.010 | 0.01  | 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 |

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