

# TECHNICAL INFORMATION - HSC HICOM

# CASING



SIZE: **9 7/8"**

NOMINAL WEIGHT: **67.50 lb/ft**

WALL THICKNESS: **0.678"**

THREADS PER INCH: **5**



|           |                                      |   |       |                  |   |       |                 |       |                      |       |       |       |
|-----------|--------------------------------------|---|-------|------------------|---|-------|-----------------|-------|----------------------|-------|-------|-------|
| PIPE BODY | OUTSIDE DIA. (in)                    | D | 9.875 | INSIDE DIA. (in) | d | 8.519 | DRIFT DIA. (in) | 8.363 | PLAIN END WT (lb/ft) | 66.60 |       |       |
|           | GRADE                                |   |       |                  |   | N80   | L80             | C90   | C95                  | P110  | Q125  | 150   |
|           | COLLAPSE RESISTANCE (psi)            |   |       |                  |   | 9580  | 9580            | 10490 | 10920                | 12170 | 13320 | 15000 |
|           | INTERNAL YIELD PRESSURE (psi)        |   |       |                  |   | 9610  | 9610            | 10810 | 11410                | 13220 | 15020 | 18020 |
|           | BODY YIELD STRENGTH (kips)           |   |       |                  |   | 1567  | 1567            | 1763  | 1861                 | 2155  | 2449  | 2938  |
|           | ULTIMATE STRENGTH (kips)             |   |       |                  |   | 1959  | 1861            | 1959  | 2057                 | 2449  | 2645  | 3134  |
|           | NOMINAL CROSS-SECTIONAL AREA (sq-in) |   |       |                  |   | 19.59 | 19.59           | 19.59 | 19.59                | 19.59 | 19.59 | 19.59 |

|         |   |  |                           |  |        |        |        |        |        |        |        |
|---------|---|--|---------------------------|--|--------|--------|--------|--------|--------|--------|--------|
| MAKE UP | RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 |  |                           |  |        |        |        |        |        |        |        |
|         | REGULAR   |  | MINIMUM (ft.lb)           |  | 17370  | 17370  | 17910  | 18180  | 18980  | 19790  | 21130  |
|         |   |  | OPTIMUM (ft.lb)           |  | 19300  | 19300  | 19900  | 20200  | 21090  | 21990  | 23480  |
|         |   |  | MAXIMUM (ft.lb)           |  | 21230  | 21230  | 21890  | 22220  | 23200  | 24190  | 25830  |
|         |   |  | BODY YIELD TORQUE (ft.lb) |  | 324680 | 324680 | 365260 | 385560 | 446430 | 507310 | 608770 |
|         | SPECIAL CLEARANCE   |  | MINIMUM (ft.lb)           |  | 15630  | 15630  | 16120  | 16360  | 17080  | 17810  | 19020  |
|         |   |  | OPTIMUM (ft.lb)           |  | 17370  | 17370  | 17910  | 18180  | 18980  | 19790  | 21130  |
|         |   |  | MAXIMUM (ft.lb)           |  | 19110  | 19110  | 19700  | 20000  | 20880  | 21770  | 23240  |

|                         |   |  |  |    |                   |   |             |                      |                                  |        |        |        |  |
|-------------------------|---|--|--|----|-------------------|---|-------------|----------------------|----------------------------------|--------|--------|--------|--|
| CONNECTION              | COLLAPSE RESISTANCE (psi)                 |  |  |    |                   | 9580  | 9580        | 10490                | 10920                            | 12170  | 13320  | 15000  |  |
|                         | COMPRESSION RESISTANCE (%)                |  |  |    |                   | 100   | 100         | 100                  | 100                              | 100    | 100    | 100    |  |
|                         | TENSILE EFFICIENCY (%)                    |  |  |    |                   | 100   | 100         | 100                  | 100                              | 100    | 100    | 100    |  |
|                         | INTERNAL YIELD PRESSURE (psi)             |  |  |    |                   | 9610  | 9610        | 10810                | 11410                            | 13220  | 15020  | 18020  |  |
|                         | MAXIMUM BENDING ANGLE (° PER 100ft)       |  |  |    |                   | 43  | 43          | 48                   | 51                               | 59     | 67     | 81     |  |
|                         | BOX CRITICAL CROSS-SECTIONAL AREA (sq-in) |  |  |    |                   | 19.982  | 19.982      | 19.982               | 19.982                           | 19.982 | 19.982 | 19.982 |  |
|                         | MAXIMUM LOAD OF REG. COUPLING FACE (kips) |  |  |    |                   | 1195  | 1195        | 1345                 | 1419                             | 1643   | 1868   | 2241   |  |
|                         | MAXIMUM LOAD OF S.C. COUPLING FACE (kips) |  |  |    |                   | 696   | 696         | 783                  | 826                              | 957    | 1087   | 1304   |  |
|                         |   |  |  |    |                   | PARTING LOAD (kips)   |             |                      |                                  |        |        |        |  |
|                         | REGULAR COUPLING O.D.                     |  |  |    |                   | 1670  | 1616        | 1743                 | 1833                             | 2160   | 2378   | 2832   |  |
|                         | SPECIAL CLEARANCE COUPLING O.D.           |  |  |    |                   | 1303  | 1238        | 1303                 | 1368                             | 1629   | 1759   | 2085   |  |
|                         |   |  |  |    | OUTSIDE DIA. (in) | INSIDE DIA. (d1) (in)   | WEIGHT (lb) | JOINT EFFICIENCY (%) | 30' JOINT MUD DISPLACEMENT (in³) |        |        |        |  |
|                         | REGULAR COUPLING                          |  |  |    | W                 | 10.969  | 8.619       | 74.31                | 102                              | 7261   |        |        |  |
|                         | SPECIAL CLEARANCE COUPLING                |  |  |    | Wc                | 10.599  | 8.619       | 53.25                | 70                               | 7187   |        |        |  |
| LENGTH OF COUPLING (in) |   |  |  | NL | 11.860            | The above information is for reference only. The information is subject to change or modification without notice. Please contact HSC for the latest information |             |                      |                                  |        |        |        |  |
| MAKE UP LOSS (in)       |   |  |  | ML | 4.930             |   |             |                      |                                  |        |        |        |  |