

# TECHNICAL INFORMATION - HSC HICOM

# CASING

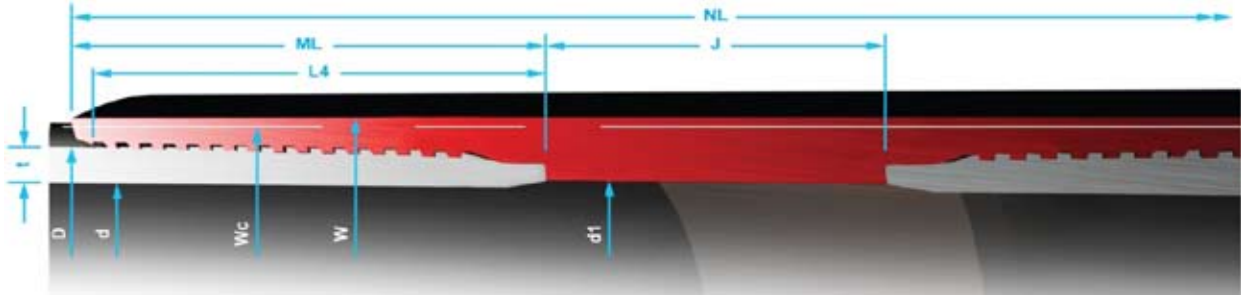


SIZE: **139.70 mm**

NOMINAL WEIGHT: **29.76 kg/m**

WALL THICKNESS: **9.17 mm**

THREADS PER INCH: **5**



| P<br>I<br>P<br>E<br>B<br>O<br>D<br>Y  | OUTSIDE DIA. (mm)                                    | D | 139.70                 | INSIDE DIA. (mm)  | d                        | 121.36      | DRIFT DIA. (mm) | 118.19               | PLAIN END WT (kg/m) |  | 29.48  |  |
|---|--|---|------------------------|-------------------|--------------------------|-------------|-----------------|----------------------|---------------------|--|--------|--|
|   | GRADE  |   |                        |                   | N80                      | L80         | C90             | C95                  | P110                | Q125   | 150    |  |
|   | COLLAPSE RESISTANCE (MPa)                            |   |                        |                   | 60.9                     | 60.9        | 66.4            | 69.0                 | 76.5                | 83.3   | 92.8   |  |
|   | INTERNAL YIELD PRESSURE (MPa)                        |   |                        |                   | 63.4                     | 63.4        | 71.3            | 75.2                 | 87.1                | 99.0   | 118.8  |  |
|   | BODY YIELD STRENGTH (kN)                             |   |                        |                   | 2073                     | 2073        | 2335            | 2464                 | 2851                | 3243   | 3888   |  |
|   | ULTIMATE STRENGTH (kN)                               |   |                        |                   | 2593                     | 2464        | 2593            | 2722                 | 3243                | 3501   | 4150   |  |
| NOMINAL CROSS-SECTIONAL AREA (mm <sup>2</sup> )   |  |   |                        | 3760              | 3760                     | 3760        | 3760            | 3760                 | 3760                | 3760   | 3760   |  |
| <b>RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0</b>  |  |   |                        |                   |                          |             |                 |                      |                     |  |        |  |
| M<br>A<br>K<br>E<br>U<br>P  | REGULAR  |   | MINIMUM (Nm)           |                   | 7840                     | 7840        | 8270            | 8490                 | 9170                | 9820   | 10930  |  |
|   |  |   | OPTIMUM (Nm)           |                   | 8700                     | 8700        | 9190            | 9440                 | 10180               | 10910  | 12130  |  |
|   |  |   | MAXIMUM (Nm)           |                   | 9570                     | 9570        | 10110           | 10390                | 11200               | 12010  | 13350  |  |
|   |  |   | BODY YIELD TORQUE (Nm) |                   | 73380                    | 73380       | 82560           | 87140                | 100900              | 114660                                       | 137590 |  |
|   | SPECIAL CLEARANCE                                    |   | MINIMUM (Nm)           |                   | 7050                     | 7050        | 7460            | 7650                 | 8240                | 8840   | 9830   |  |
|   |  |   | OPTIMUM (Nm)           |                   | 7840                     | 7840        | 8280            | 8500                 | 9170                | 9820   | 10930  |  |
| MAXIMUM (Nm)  |  |   | 8620                   | 8620              | 9110                     | 9360        | 10090           | 10790                | 12030               |  |        |  |
| C<br>O<br>N<br>N<br>E<br>C<br>T<br>I<br>O<br>N  | COLLAPSE RESISTANCE (MPa)                            |   |                        |                   | 60.9                     | 60.9        | 66.4            | 69.0                 | 76.5                | 83.3   | 92.8   |  |
|   | COMPRESSION RESISTANCE (%)                           |   |                        |                   | 100                      | 100         | 100             | 100                  | 100                 | 100  | 100    |  |
|   | TENSILE EFFICIENCY (%)                               |   |                        |                   | 100                      | 100         | 100             | 100                  | 100                 | 100  | 100    |  |
|   | INTERNAL YIELD PRESSURE (MPa)                        |   |                        |                   | 63.4                     | 63.4        | 71.3            | 75.2                 | 87.1                | 99.0   | 118.8  |  |
|   | MAXIMUM BENDING ANGLE (° PER 30m)                    |   |                        |                   | 76                       | 76          | 85              | 90                   | 104                 | 118  | 142    |  |
|   | BOX CRITICAL CROSS-SECTIONAL AREA (mm <sup>2</sup> ) |   |                        |                   | 3832                     | 3832        | 3832            | 3832                 | 3832                | 3832   | 3832   |  |
|   | MAXIMUM LOAD OF REG. COUPLING FACE (kN)              |   |                        |                   | 1339                     | 1339        | 1508            | 1592                 | 1842                | 2095   | 2513   |  |
|   | MAXIMUM LOAD OF S.C. COUPLING FACE (kN)              |   |                        |                   | 685                      | 685         | 770             | 814                  | 943                 | 1072   | 1286   |  |
|   |  |   |                        |                   | <b>PARTING LOAD (kN)</b> |             |                 |                      |                     |  |        |  |
|   | REGULAR COUPLING O.D.                                |   |                        |                   | 2331                     | 2237        | 2384            | 2504                 | 2967                | 3238   | 3848   |  |
|   | SPECIAL CLEARANCE COUPLING O.D.                      |   |                        |                   | 1726                     | 1641        | 1726            | 1810                 | 2157                | 2331   | 2762   |  |
|   |  |   |                        | OUTSIDE DIA. (mm) | INSIDE DIA. (d1) (mm)    | WEIGHT (kg) |                 | JOINT EFFICIENCY (%) |                     | 30' JOINT MUD DISPLACEMENT (m <sup>3</sup> ) |        |  |
|   | REGULAR COUPLING                                     |   |                        | W                 | 154.84                   | 123.90      | 8.29            |                      | 102                 |  | 0.0352 |  |
|   | SPECIAL CLEARANCE COUPLING                           |   |                        | Wc                | 149.83                   | 123.90      | 6.03            |                      | 70                  |  | 0.0349 |  |
| LENGTH OF COUPLING (mm)   |  |   | NL                     | 240.28            |                          |             |                 |                      |                     |  |        |  |
| MAKE UP LOSS (mm)   |  |   | ML                     | 94.74             |                          |             |                 |                      |                     |  |        |  |
| The above information is for reference only. The information is subject to change or modification without notice. Please contact HSC for the latest information |  |   |                        |                   |                          |             |                 |                      |                     |  |        |  |