

# TECHNICAL INFORMATION - HSC HICOM

# CASING



SIZE: **168.28 mm**

NOMINAL WEIGHT: **34.53 kg/m**

WALL THICKNESS: **8.38 mm**

THREADS PER INCH: **5**



| PIPE BODY                                       | OUTSIDE DIA. (mm) | D | 168.28 | INSIDE DIA. (mm) | d   | 151.51 | DRIFT DIA. (mm) | 148.34 | PLAIN END WT (kg/m) |      | 33.02 |
|---|-------------------|---|--------|------------------|-----|--------|-----------------|--------|---------------------|------|-------|
|   | GRADE             |   |        |                  | N80 |        | L80             | C90    | C95                 | P110 | Q125  |
| COLLAPSE RESISTANCE (MPa)                       |                   |   |        | 34.1             |     | 34.1   | 35.9            | 36.7   | 38.3                | 40.2 | 43.1  |
| INTERNAL YIELD PRESSURE (MPa)                   |                   |   |        | 48.1             |     | 48.1   | 54.1            | 57.1   | 66.1                | 75.1 | 90.1  |
| BODY YIELD STRENGTH (kN)                        |                   |   |        | 2322             |     | 2322   | 2611            | 2758   | 3194                | 3630 | 4355  |
| ULTIMATE STRENGTH (kN)                          |                   |   |        | 2905             |     | 2758   | 2905            | 3047   | 3630                | 3919 | 4644  |
| NOMINAL CROSS-SECTIONAL AREA (mm <sup>2</sup> ) |                   |   |        | 4210             |     | 4210   | 4210            | 4210   | 4210                | 4210 | 4210  |

| MAKE UP                | RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 |              |        |        |        |        |        |        |       |       |  |
|------------------------|---|--------------|--------|--------|--------|--------|--------|--------|-------|-------|--|
|                        | REGULAR   | MINIMUM (Nm) |        | 7780   | 7780   | 8230   | 8450   | 9110   | 9780  | 10870 |  |
| OPTIMUM (Nm)           |   | 8650         | 8650   | 9140   | 9380   | 10130  | 10860  | 12080  |       |       |  |
| MAXIMUM (Nm)           |   | 9520         | 9520   | 10050  | 10320  | 11140  | 11940  | 13290  |       |       |  |
| BODY YIELD TORQUE (Nm) |   | 102130       | 102130 | 114910 | 121290 | 140440 | 159590 | 191510 |       |       |  |
| SPECIAL CLEARANCE      | MINIMUM (Nm)  |              | 7020   | 7020   | 7400   | 7610   | 8200   | 8800   | 9790  |       |  |
|                        | OPTIMUM (Nm)  |              | 7800   | 7800   | 8230   | 8450   | 9110   | 9780   | 10870 |       |  |
|                        | MAXIMUM (Nm)  |              | 8570   | 8570   | 9060   | 9290   | 10020  | 10750  | 11960 |       |  |

| CONNECTION                      | COLLAPSE RESISTANCE (MPa)                            |                   | 34.1                  | 34.1  | 35.9                 | 36.7   | 38.3   | 40.2 | 43.1 |  |  |
|---------------------------------|--|-------------------|-----------------------|---|----------------------|--|--------|------|------|--|--|
|                                 | COMPRESSION RESISTANCE (%)                           |                   | 100                   | 100   | 100                  | 100  | 100    | 100  | 100  |  |  |
|                                 | TENSILE EFFICIENCY (%)                               |                   | 100                   | 100   | 100                  | 100  | 100    | 100  | 100  |  |  |
|                                 | INTERNAL YIELD PRESSURE (MPa)                        |                   | 48.1                  | 48.1  | 54.1                 | 57.1   | 66.1   | 75.1 | 90.1 |  |  |
|                                 | MAXIMUM BENDING ANGLE (° PER 30m)                    |                   | 61                    | 61  | 68                   | 72   | 83     | 95   | 113  |  |  |
|                                 | BOX CRITICAL CROSS-SECTIONAL AREA (mm <sup>2</sup> ) |                   | 4295                  | 4295  | 4295                 | 4295   | 4295   | 4295 | 4295 |  |  |
|                                 | MAXIMUM LOAD OF REG. COUPLING FACE (kN)              |                   | 1441                  | 1441  | 1624                 | 1713   | 1984   | 2255 | 2705 |  |  |
|                                 | MAXIMUM LOAD OF S.C. COUPLING FACE (kN)              |                   | 703                   | 703   | 792                  | 832  | 965    | 1099 | 1317 |  |  |
|                                 | <b>PARTING LOAD (kN)</b>                             |                   |                       |   |                      |  |        |      |      |  |  |
|                                 | REGULAR COUPLING O.D.                                |                   | 2576                  | 2473  | 2647                 | 2785   | 3292   | 3599 | 4279 |  |  |
| SPECIAL CLEARANCE COUPLING O.D. |  | 1931              | 1833                  | 1931  | 2024                 | 2411   | 2602   | 3087 |      |  |  |
|                                 |  | OUTSIDE DIA. (mm) | INSIDE DIA. (d1) (mm) | WEIGHT (kg)   | JOINT EFFICIENCY (%) | 30' JOINT MUD DISPLACEMENT (m <sup>3</sup> ) |        |      |      |  |  |
| REGULAR COUPLING                |  | W                 | 182.42                | 154.05  | 9.24                 | 102  | 0.0394 |      |      |  |  |
| SPECIAL CLEARANCE COUPLING      |  | Wc                | 177.65                | 154.05  | 6.70                 | 70   | 0.0391 |      |      |  |  |
| LENGTH OF COUPLING (mm)         |  | NL                | 240.28                | 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 (mm)               |  | ML                | 94.74                 |   |                      |  |        |      |      |  |  |