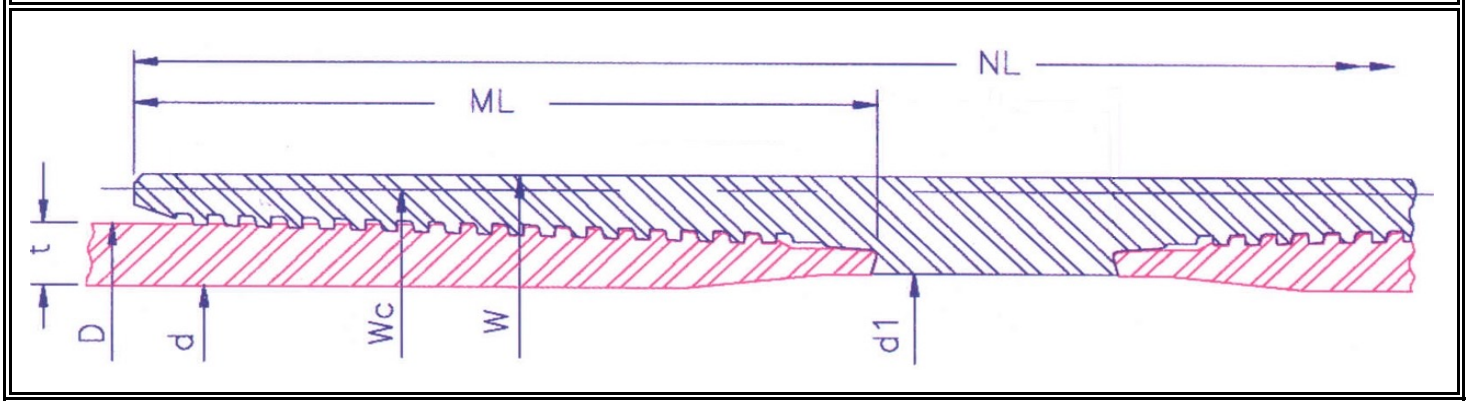
# TECHNICAL INFORMATION

## CASING

| | |
|---|---|
| **SIZE:** | **193.68mm (7 5/8")** |
| **NOMINAL WEIGHT:** | **53.28 kg/m (35.80 lb/ft)** |
| **WALL THICKNESS:** | **11.81mm (0.465")** |
| **THREADS PER INCH:** | **5** |




| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIPE BODY | OUTSIDE DIA. (mm) | D | 193.68 | INSIDE DIA. (mm) | | d | 170.05 | DRIFT DIA. (mm) | | 166.88 | PLAIN END WT (kg/m) | | 52.92 |
| | GRADE | | | 55 | N80 | 80 | 90 | 95 | C110 | 110 | C125 | 125 | 140 | 150 |
| | COLLAPSE RESISTANCE (MPa) | | | 40.3 | 53 | 53 | 57.5 | 59.6 | 65.3 | 65.3 | 70.3 | 70.3 | 74.5 | 76.8 |
| | INTERNAL YIELD PRESSURE (MPa) | | | 40.5 | 58.9 | 58.9 | 66.2 | 69.9 | 80.9 | 80.9 | 92 | 92 | 103 | 110.4 |
| | BODY YIELD STRENGTH (kN) | | | 2559 | 3722 | 3722 | 4187 | 4420 | 5118 | 5118 | 5816 | 5816 | 6514 | 6979 |
| | ULTIMATE STRENGTH (kN) | | | 4420 | 4653 | 4420 | 4653 | 4885 | 5351 | 5816 | 6048 | 6281 | 6979 | 7444 |
| | YIELD TORQUE (N.m) | | | 126680 | 184270 | 184270 | 207300 | 218820 | 253370 | 253370 | 287920 | 287920 | 322470 | 345500 |
| MAKE UP | RECOMMENDED MAKEUP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 | | | | | | | | | | | | | |
| | REGULAR (N.m) | MINIMUM | | 12880 | 14710 | 14710 | 15860 | 15860 | 16880 | 16880 | 17690 | 17690 | 18570 | 19520 |
| | | OPTIMUM | | 14240 | 16200 | 16200 | 17630 | 17630 | 18640 | 18640 | 19590 | 19590 | 20610 | 21560 |
| | | MAXIMUM | | 15590 | 17690 | 17690 | 19390 | 19390 | 20410 | 20410 | 21490 | 21490 | 22640 | 23590 |
| | SPECIAL CLEARANCE (N.m) | MINIMUM | | 12880 | 14710 | 14710 | 15860 | 15860 | 16880 | 16880 | 17690 | 17690 | 18570 | 19520 |
| | | OPTIMUM | | 14240 | 16200 | 16200 | 17630 | 17630 | 18640 | 18640 | 19590 | 19590 | 20610 | 21560 |
| | | MAXIMUM | | 15590 | 17690 | 17690 | 19390 | 19390 | 20410 | 20410 | 21490 | 21490 | 22640 | 23590 |
| CONNECTION | COLLAPSE RESISTANCE (MPa) | | | 40.3 | 53 | 53 | 57.5 | 59.6 | 65.3 | 65.3 | 70.3 | 70.3 | 74.5 | 76.8 |
| | INTERNAL YIELD PRESSURE (MPa) | | | 40.5 | 58.9 | 58.9 | 66.2 | 69.9 | 80.9 | 80.9 | 92 | 92 | 103 | 110.4 |
| | MAXIMUM LOAD OF COUPLING FACE (kN) | REGULAR | | 2194 | 3191 | 3191 | 3590 | 3790 | 4388 | 4388 | 4986 | 4986 | 5585 | 5983 |
| | | S.C. | | 958 | 1393 | 1393 | 1567 | 1654 | 1915 | 1915 | 2176 | 2176 | 2437 | 2611 |
| | | | | PARTING LOAD (kN) | | | | | | | | | | |
| | REGULAR COUPLING | | | 3594 | 4078 | 3927 | 4211 | 4428 | 4930 | 5231 | 5581 | 5732 | 6383 | 6818 |
| | S.C. COUPLING | | | 3171 | 3338 | 3171 | 3338 | 3505 | 3839 | 4172 | 4339 | 4506 | 5007 | 5341 |

| | | OUTSIDE DIA. (mm) | INSIDE DIA. (mm) | WEIGHT (kg) | JOINT EFFICIENCY (%) | 30' JOINT MUD DISPLACEMENT ($m^3$) |
|---|---|---|---|---|---|---|
| COUPLING OUTSIDE DIAMETER | W | 216.61 | 176.25 | 21.67 | 124 | 0.06384 |
| | Wc | 206.81 | 176.25 | 13.43 | 76 | 0.06279 |
| COUPLING LENGTH (mm) | NL | 322.45 | 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 | 137.31 | | | | |