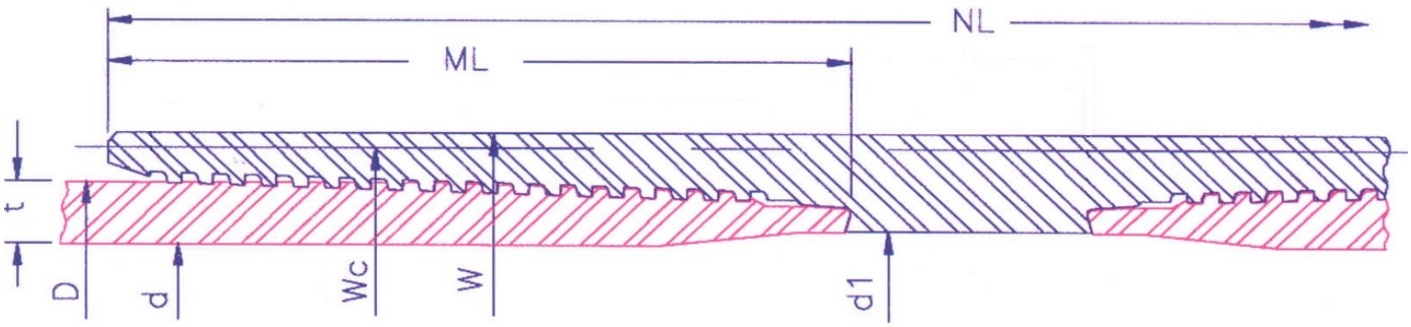
# TECHNICAL INFORMATION

## CASING

| | |
|---|---|
| **SIZE:** | **177.80mm (7")** |
| **NOMINAL WEIGHT:** | **56.55 kg/m (38.00 lb/ft)** |
| **WALL THICKNESS:** | **13.72mm (0.540")** |
| **THREADS PER INCH:** | **5** |




| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIPE BODY | OUTSIDE DIA. (mm) | D | 177.8 | INSIDE DIA. (mm) | | d | 150.37 | DRIFT DIA. (mm) | | 147.19 | PLAIN END WT (kg/m) | 55.45 |
| | GRADE | | | 55 | N80 | 80 | 90 | 95 | C110 | 110 | C125 | 125 | 140 | 150 |
| | COLLAPSE RESISTANCE (MPa) | | | 54 | 78.5 | 78.5 | 88.4 | 92.6 | 104.3 | 104.3 | 115.4 | 115.4 | 126 | 132.6 |
| | INTERNAL YIELD PRESSURE (MPa) | | | 51.2 | 74.5 | 74.5 | 83.8 | 88.4 | 102.4 | 102.4 | 116.3 | 116.3 | 130.3 | 139.6 |
| | BODY YIELD STRENGTH (kN) | | | 2681 | 3900 | 3900 | 4387 | 4631 | 5362 | 5362 | 6094 | 6094 | 6825 | 7312 |
| | ULTIMATE STRENGTH (kN) | | | 4631 | 4875 | 4631 | 4875 | 5119 | 5606 | 6094 | 6337 | 6581 | 7312 | 7800 |
| | YIELD TORQUE (N.m) | | | 118020 | 171670 | 171670 | 193130 | 203850 | 236040 | 236040 | 268230 | 268230 | 300420 | 321880 |
| MAKE UP | RECOMMENDED MAKEUP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 | | | | | | | | | | | | | |
| | REGULAR (N.m) | MINIMUM | | 11900 | 13690 | 13690 | 14170 | 14170 | 15050 | 15050 | 15860 | 15860 | 16880 | 17690 |
| | | OPTIMUM | | 13220 | 15190 | 15190 | 15660 | 15660 | 16680 | 16680 | 17630 | 17630 | 18640 | 19590 |
| | | MAXIMUM | | 14530 | 16680 | 16680 | 17150 | 17150 | 18300 | 18300 | 19390 | 19390 | 20410 | 21490 |
| | SPECIAL CLEARANCE (N.m) | MINIMUM | | 11900 | 13690 | 13690 | 14170 | 14170 | 15050 | 15050 | 15860 | 15860 | 16880 | 17690 |
| | | OPTIMUM | | 13220 | 15190 | 15190 | 15660 | 15660 | 16680 | 16680 | 17630 | 17630 | 18640 | 19590 |
| | | MAXIMUM | | 14530 | 16680 | 16680 | 17150 | 17150 | 18300 | 18300 | 19390 | 19390 | 20410 | 21490 |
| CONNECTION | COLLAPSE RESISTANCE (MPa) | | | 54 | 78.5 | 78.5 | 88.4 | 92.6 | 104.3 | 104.3 | 115.4 | 115.4 | 126 | 132.6 |
| | INTERNAL YIELD PRESSURE (MPa) | | | 51.2 | 74.5 | 74.5 | 83.8 | 88.4 | 102.4 | 102.4 | 116.3 | 116.3 | 130.3 | 139.6 |
| | MAXIMUM LOAD OF COUPLING FACE (kN) | REGULAR | | 1384 | 2013 | 2013 | 2264 | 2390 | 2767 | 2767 | 3145 | 3145 | 3522 | 3774 |
| | | S.C. | | 541 | 787 | 787 | 885 | 934 | 1082 | 1082 | 1229 | 1229 | 1377 | 1475 |
| | | | | PARTING LOAD (kN) | | | | | | | | | | |
| | REGULAR COUPLING | | | 3647 | 3839 | 3647 | 3839 | 4031 | 4415 | 4799 | 4991 | 5183 | 5759 | 6142 |
| | S.C. COUPLING | | | 2264 | 2383 | 2264 | 2383 | 2503 | 2741 | 2979 | 3098 | 3218 | 3575 | 3814 |

| | | OUTSIDE DIA. (mm) | INSIDE DIA. (mm) | WEIGHT (kg) | JOINT EFFICIENCY (%) | 30' JOINT MUD DISPLACEMENT ($m^3$) |
|---|---|---|---|---|---|---|
| COUPLING OUTSIDE DIAMETER | W | 195.10 | 161.04 | 14.98 | 83 | 0.06583 |
| | Wc | 187.71 | 161.04 | 9.52 | 51 | 0.06514 |
| COUPLING LENGTH (mm) | NL | 313.46 | 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 | 132.79 | | | | |