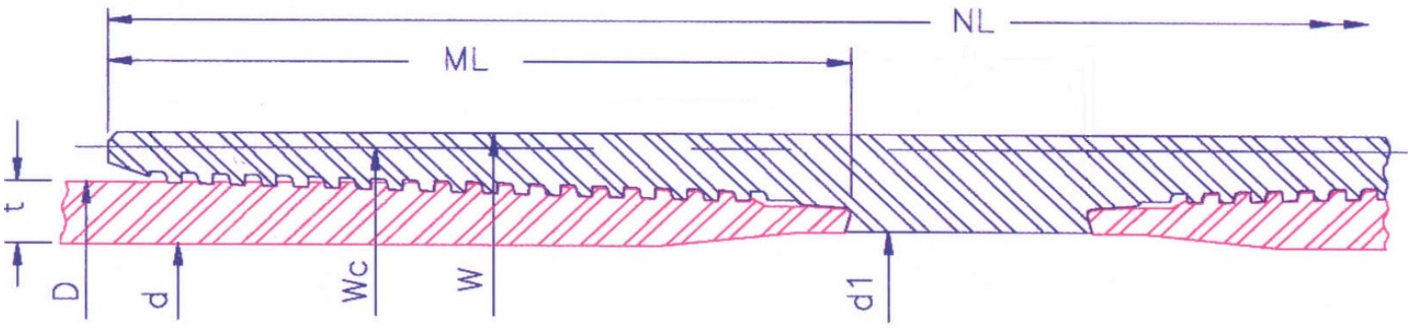
# TECHNICAL INFORMATION

## CASING

| | |
|---|---|
| **SIZE:** | **177.80mm (7")** |
| **NOMINAL WEIGHT:** | **43.16 kg/m (29.00 lb/ft)** |
| **WALL THICKNESS:** | **10.36mm (0.408")** |
| **THREADS PER INCH:** | **5** |




| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIPE BODY | OUTSIDE DIA. (mm) | D | 177.8 | INSIDE DIA. (mm) | | d | 157.07 | DRIFT DIA. (mm) | | 153.9 | PLAIN END WT (kg/m) | | 42.74 |
| | GRADE | | | 55 | N80 | 80 | 90 | 95 | C110 | 110 | C125 | 125 | 140 | 150 |
| | COLLAPSE RESISTANCE (MPa) | | | 37.3 | 48.4 | 48.4 | 52.3 | 54 | 58.8 | 58.8 | 62.8 | 62.8 | 65.9 | 67.5 |
| | INTERNAL YIELD PRESSURE (MPa) | | | 38.7 | 56.3 | 56.3 | 63.3 | 66.8 | 77.4 | 77.4 | 87.9 | 87.9 | 98.5 | 105.5 |
| | BODY YIELD STRENGTH (kN) | | | 2067 | 3007 | 3007 | 3383 | 3571 | 4134 | 4134 | 4698 | 4698 | 5262 | 5638 |
| | ULTIMATE STRENGTH (kN) | | | 3571 | 3758 | 3571 | 3758 | 3946 | 4322 | 4698 | 4886 | 5074 | 5638 | 6014 |
| | YIELD TORQUE (N.m) | | | 94450 | 137390 | 137390 | 154560 | 163150 | 188910 | 188910 | 214670 | 214670 | 240430 | 257600 |
| MAKE UP | RECOMMENDED MAKEUP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 | | | | | | | | | | | | | |
| | REGULAR (N.m) | MINIMUM | | 10130 | 11470 | 11470 | 12410 | 12410 | 13350 | 13350 | 14170 | 14170 | 15050 | 15520 |
| | | OPTIMUM | | 11250 | 12740 | 12740 | 13760 | 13760 | 14710 | 14710 | 15660 | 15660 | 16680 | 17150 |
| | | MAXIMUM | | 12380 | 14020 | 14020 | 15120 | 15120 | 16070 | 16070 | 17150 | 17150 | 18300 | 18780 |
| | SPECIAL CLEARANCE (N.m) | MINIMUM | | 10130 | 11470 | 11470 | 12410 | 12410 | 13350 | 13350 | 14170 | 14170 | 15050 | 15520 |
| | | OPTIMUM | | 11250 | 12740 | 12740 | 13760 | 13760 | 14710 | 14710 | 15660 | 15660 | 16680 | 17150 |
| | | MAXIMUM | | 12380 | 14020 | 14020 | 15120 | 15120 | 16070 | 16070 | 17150 | 17150 | 18300 | 18780 |
| CONNECTION | COLLAPSE RESISTANCE (MPa) | | | 37.3 | 48.4 | 48.4 | 52.3 | 54 | 58.8 | 58.8 | 62.8 | 62.8 | 65.9 | 67.5 |
| | INTERNAL YIELD PRESSURE (MPa) | | | 38.7 | 56.3 | 56.3 | 63.3 | 66.8 | 77.4 | 77.4 | 87.9 | 87.9 | 98.5 | 105.5 |
| | 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 | | | 2945 | 3319 | 3193 | 3418 | 3594 | 3995 | 4248 | 4523 | 4649 | 5176 | 5528 |
| | 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 | 108 | 0.05127 |
| | Wc | 187.71 | 161.04 | 9.52 | 67 | 0.05058 |
| 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 | | | | |