

TECHNICAL INFORMATION - HSC HICOM

CASING



SIZE: **5"**

NOMINAL WEIGHT: **18.00 lb/ft**

WALL THICKNESS: **0.362"**

THREADS PER INCH: **5**



| | | | | | | | | | | | | |
|-----------|--------------------------------------|---|-------|------------------|---|-------|-----------------|-------|----------------------|-------|-------|-------|
| PIPE BODY | OUTSIDE DIA. (in) | D | 5.000 | INSIDE DIA. (in) | d | 4.276 | DRIFT DIA. (in) | 4.151 | PLAIN END WT (lb/ft) | 17.93 | | |
| | GRADE | | | | | N80 | L80 | C90 | C95 | P110 | Q125 | 150 |
| | COLLAPSE RESISTANCE (psi) | | | | | 10500 | 10500 | 11530 | 12030 | 13470 | 14830 | 16860 |
| | INTERNAL YIELD PRESSURE (psi) | | | | | 10140 | 10140 | 11400 | 12040 | 13940 | 15840 | 19010 |
| | BODY YIELD STRENGTH (kips) | | | | | 422 | 422 | 475 | 501 | 580 | 659 | 791 |
| | ULTIMATE STRENGTH (kips) | | | | | 527 | 501 | 527 | 554 | 659 | 712 | 844 |
| | NOMINAL CROSS-SECTIONAL AREA (sq-in) | | | | | 5.275 | 5.275 | 5.275 | 5.275 | 5.275 | 5.275 | 5.275 |

| | | | | | | | | | | | | |
|---------|---|-----------------|--|--|-------|-------|-------|-------|-------|-------|-------|------|
| MAKE UP | RECOMMENDED MAKE UP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 | | | | | | | | | | | |
| | REGULAR | MINIMUM (ft.lb) | | | | 5030 | 5030 | 5310 | 5440 | 5860 | 6270 | 6970 |
| | | OPTIMUM (ft.lb) | | | | 5590 | 5590 | 5900 | 6050 | 6510 | 6970 | 7740 |
| | | MAXIMUM (ft.lb) | | | | 6150 | 6150 | 6490 | 6660 | 7160 | 7670 | 8510 |
| | BODY YIELD TORQUE (ft.lb) | | | | 43940 | 43940 | 49430 | 52180 | 60410 | 68650 | 82380 | |
| | SPECIAL CLEARANCE | MINIMUM (ft.lb) | | | | 4530 | 4530 | 4780 | 4900 | 5270 | 5640 | 6260 |
| | | OPTIMUM (ft.lb) | | | | 5030 | 5030 | 5310 | 5450 | 5860 | 6270 | 6960 |
| | | MAXIMUM (ft.lb) | | | | 5530 | 5530 | 5840 | 6000 | 6450 | 6900 | 7660 |

| | | | | | | | | | | | | | |
|---|---|--|--|----|-------------------|-----------------------|-------------|----------------------|----------------------------------|-------|-------|-------|--|
| CONNECTION | COLLAPSE RESISTANCE (psi) | | | | | 10500 | 10500 | 11530 | 12030 | 13470 | 14830 | 16860 | |
| | COMPRESSION RESISTANCE (%) | | | | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| | TENSILE EFFICIENCY (%) | | | | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| | INTERNAL YIELD PRESSURE (psi) | | | | | 10140 | 10140 | 11400 | 12040 | 13940 | 15840 | 19010 | |
| | MAXIMUM BENDING ANGLE (° PER 100ft) | | | | | 86 | 86 | 96 | 102 | 118 | 134 | 161 | |
| | BOX CRITICAL CROSS-SECTIONAL AREA (sq-in) | | | | | 5.381 | 5.381 | 5.381 | 5.381 | 5.381 | 5.381 | 5.381 | |
| | MAXIMUM LOAD OF REG. COUPLING FACE (kips) | | | | | 272 | 272 | 306 | 323 | 374 | 425 | 510 | |
| | MAXIMUM LOAD OF S.C. COUPLING FACE (kips) | | | | | 138 | 138 | 155 | 164 | 190 | 216 | 259 | |
| | PARTING LOAD (kips) | | | | | | | | | | | | |
| | REGULAR COUPLING O.D. | | | | | 477 | 457 | 487 | 512 | 606 | 661 | 785 | |
| | SPECIAL CLEARANCE COUPLING O.D. | | | | | 351 | 333 | 351 | 368 | 438 | 473 | 561 | |
| | | | | | OUTSIDE DIA. (in) | INSIDE DIA. (d1) (in) | WEIGHT (lb) | JOINT EFFICIENCY (%) | 30' JOINT MUD DISPLACEMENT (in³) | | | | |
| | REGULAR COUPLING | | | | W | 5.591 | 4.376 | 16.55 | 102 | 1944 | | | |
| | SPECIAL CLEARANCE COUPLING | | | | Wc | 5.395 | 4.376 | 12.02 | 70 | 1928 | | | |
| | LENGTH OF COUPLING (in) | | | | NL | 9.460 | | | | | | | |
| MAKE UP LOSS (in) | | | | ML | 3.730 | | | | | | | | |
| The above information is for reference only. The information is subject to change or modification without notice. Please contact HSC for the latest information | | | | | | | | | | | | | |