

# TECHNICAL INFORMATION

# CASING

|                   |             |
|-------------------|-------------|
| SIZE:             | 9 5/8 "     |
| NOMINAL WEIGHT:   | 47.00 lb/ft |
| WALL THICKNESS:   | 0.472 "     |
| THREADS PER INCH: | 5           |



|                                                         |                               |       |                   |        |        |                 |        |        |        |                      |  |       |
|---------------------------------------------------------|-------------------------------|-------|-------------------|--------|--------|-----------------|--------|--------|--------|----------------------|--|-------|
| <b>P<br/>I<br/>P<br/>E<br/><br/>B<br/>O<br/>D<br/>Y</b> | OUTSIDE DIA.(in)D             | 9.625 | INSIDE DIA.(in) d |        | 8.681  | DRIFT DIA. (in) |        |        | 8.525  | PLAIN END WT (lb/ft) |  | 46.14 |
|                                                         | GRADE                         |       | K55               | N80    | L80    | C90             | C95    | P110   | Q125   | 150                  |  |       |
|                                                         | COLLAPSE RESISTANCE (psi)     |       | 3890              | 4750   | 4750   | 4990            | 5090   | 5300   | 5630   | 6000                 |  |       |
|                                                         | INTERNAL YIELD PRESSURE (psi) |       | 4720              | 6870   | 6870   | 7720            | 8150   | 9440   | 10730  | 12870                |  |       |
|                                                         | BODY YIELD STRENGTH (kips)    |       | 746               | 1086   | 1086   | 1222            | 1289   | 1493   | 1697   | 2036                 |  |       |
|                                                         | ULTIMATE STRENGTH (kips)      |       | 1289              | 1357   | 1289   | 1357            | 1425   | 1697   | 1832   | 2172                 |  |       |
|                                                         | YIELD TORQUE (ft/lb)          |       | 156700            | 228000 | 228000 | 256500          | 270700 | 313400 | 356200 | 427400               |  |       |

| RECOMMENDED MAKEUP TORQUE USING A THREAD COMPOUND WITH FRICTION CORRECTION FACTOR OF 1.0 |                   |                 |       |       |       |       |       |       |       |       |       |
|------------------------------------------------------------------------------------------|-------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>M<br/>A<br/>K<br/>E<br/><br/>U<br/>P</b>                                              | REGULAR           | MINIMUM (ft/lb) | 11100 | 13050 | 13050 | 14400 | 14400 | 14400 | 14400 | 14400 | 14400 |
|                                                                                          |                   | OPTIMUM (ft/lb) | 12300 | 14450 | 14450 | 15900 | 15900 | 15900 | 15900 | 15900 | 15900 |
|                                                                                          |                   | MAXIMUM (ft/lb) | 13500 | 15850 | 15850 | 17400 | 17400 | 17400 | 17400 | 17400 | 17400 |
|                                                                                          | SPECIAL CLEARANCE | MINIMUM (ft/lb) | 11100 | 13050 | 13050 | 14400 | 14400 | 14400 | 14400 | 14400 | 14400 |
|                                                                                          |                   | OPTIMUM (ft/lb) | 12300 | 14450 | 14450 | 15900 | 15900 | 15900 | 15900 | 15900 | 15900 |
|                                                                                          |                   | MAXIMUM (ft/lb) | 13500 | 15850 | 15850 | 17400 | 17400 | 17400 | 17400 | 17400 | 17400 |

|                                                                |                                           |    |                  |                 |             |                                                                                                                                                                 |                      |      |                                               |       |  |
|----------------------------------------------------------------|-------------------------------------------|----|------------------|-----------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------|-----------------------------------------------|-------|--|
| <b>C<br/>O<br/>N<br/>N<br/>E<br/>C<br/>T<br/>I<br/>O<br/>N</b> | COLLAPSE RESISTANCE (psi)                 |    | 3890             | 4750            | 4750        | 4990                                                                                                                                                            | 5090                 | 5300 | 5630                                          | 6000  |  |
|                                                                | INTERNAL YIELD PRESSURE (psi)             |    | 4720             | 6870            | 6870        | 7720                                                                                                                                                            | 8150                 | 9440 | 10730                                         | 12870 |  |
|                                                                | MAXIMUM LOAD OF REG. COUPLING FACE (kips) |    | 723              | 1051            | 1051        | 1183                                                                                                                                                            | 1249                 | 1446 | 1643                                          | 1971  |  |
|                                                                | MAXIMUM LOAD OF S.C. COUPLING FACE (kips) |    | 267              | 388             | 388         | 436                                                                                                                                                             | 461                  | 533  | 606                                           | 727   |  |
|                                                                | PARTING LOAD (kips)                       |    |                  |                 |             |                                                                                                                                                                 |                      |      |                                               |       |  |
|                                                                | REGULAR COUPLING O.D.                     |    | 999              | 1161            | 1122        | 1210                                                                                                                                                            | 1273                 | 1500 | 1650                                          | 1965  |  |
|                                                                | SPECIAL CLEARANCE COUPLING O.D.           |    | 898              | 945             | 898         | 945                                                                                                                                                             | 992                  | 1181 | 1276                                          | 1512  |  |
|                                                                |                                           |    | OUTSIDE DIA.(in) | INSIDE DIA.(in) | WEIGHT (lb) |                                                                                                                                                                 | JOINT EFFICIENCY (%) |      | 30' JOINT MUD DISPLACEMENT (in <sup>3</sup> ) |       |  |
|                                                                | REGULAR COUPLING                          |    | W                | 10.650          | 8.947       | 68.40                                                                                                                                                           |                      | 134  |                                               | 5081  |  |
|                                                                | SPECIAL CLEARANCE COUPLING                |    | Wc               | 10.142          | 8.947       | 37.91                                                                                                                                                           |                      | 73   |                                               | 4974  |  |
|                                                                | LENGTH OF COUPLING (in)                   |    | NL               | 12.971          |             | 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 (in)                                              |                                           | ML | 5.545            |                 |             |                                                                                                                                                                 |                      |      |                                               |       |  |