

## SUCKER ROD GRADE DESIGNATIONS

Type 30 Designed for light-to-medium loads in shallow-to-medium depth wells and non-corrosive or effectively inhibited corrosive well fluids.

Type 40 For light-to-medium loads in shallow-to-medium depth wells where corrosion is a problem and must be effectively inhibited.

Type 54 For medium-to-heavy loads in medium-to-deep wells and non-corrosive or effectively inhibited corrosive well fluids.

Type 78 For heavy rod loads or deep wells in mild-to-medium corrosive well fluids that are effectively inhibited against corrosion.

Type 90 Designed for medium-to-heavy loads at any depth in corrosive fluids that are effectively inhibited against corrosion attack.

Type 97 For extra heavy loads at any depth and fluids that are effectively inhibited against corrosion attack.

| GRADE TORQUES VALUES    |                        |                       |                               |                        |                        |
|-------------------------|------------------------|-----------------------|-------------------------------|------------------------|------------------------|
| Size                    | Grade D Carbon<br>(54) | Grade D Alloy<br>(78) | Grade D Special<br>Alloy (75) | Special Service-<br>96 | Special Service-<br>97 |
| 3/4"                    | 430                    | 460                   | 470                           | 500                    | 500                    |
| 7/8"                    | 675                    | 735                   | 750                           | 800                    | 800                    |
| 1"                      | 1,010                  | 1,100                 | 1,110                         | 1,200                  | 1,200                  |
| * 1 " with 7/8"<br>pins | N.A                    | 1,100                 | 1,110                         | N.A                    | N.A                    |
| 1 1/8 "                 | N.A                    | 1,570                 | 1,590                         | N.A                    | 1,700                  |
| * 1 1/4 "               | N.A                    | 2,000                 | 2,100                         | N.A                    | 2,500                  |

| COUPLING DIMENSIONAL DATA |       |              |       |              |       |             |       |
|---------------------------|-------|--------------|-------|--------------|-------|-------------|-------|
| ROD SIZE                  |       | FULL SIZE OD |       | SLIM HOLE OD |       | OVERSIZE OD |       |
| IN                        | MM    | IN           | MM    | IN           | MM    | IN          | MM    |
| 5/8                       | 15.88 | 1 1/2        | 38.1  | 1 1/4        | 31.75 | -           | -     |
| 3/4                       | 19.05 | 1 5/8        | 41.28 | 1 1/2        | 38.1  | 1 13/16     | 46.04 |
| 7/8                       | 22.23 | 1 13/16      | 46.04 | 1 5/8        | 41.28 | 2           | 50.8  |
| 1                         | 25.4  | 2 3/16       | 55.56 | 2            | 50.8  | 2 3/8       | 60.33 |
| 1 1/8                     | 28.58 | 2 3/8        | 60.33 | 2 1/4        | 57.15 | -           | -     |