

Drill Pipe Torsional Capacity (ft-lbs)

| Size (in) | Nom. Weight (lb/ft) | Class 1(New) Pipe | | | | Premium Class Pipe | | | | Class 2 Pipe | | | |
|-----------|---------------------|-------------------|-------|--------|--------|--------------------|-------|-------|--------|--------------|-------|-------|-------|
| | | E | X | G | S | E | X | G | S | E | X | G | S |
| 2-3/8 | 6.65 | 6250 | 7917 | 8751 | 11251 | 4811 | 6093 | 6735 | 8659 | 4130 | 5232 | 5782 | 7434 |
| | | | | | | | | | | | | | |
| 2-7/8 | 10.4 | 11554 | 14635 | 16176 | 20798 | 8858 | 11220 | 12401 | 15945 | 7591 | 9615 | 10627 | 13663 |
| | | | | | | | | | | | | | |
| 3-1/2 | 13.3 | 18551 | 23498 | 25972 | 33392 | 14361 | 18191 | 20106 | 25850 | 12365 | 15663 | 17312 | 22258 |
| | 15.5 | 21086 | 26708 | 29520 | 37954 | 16146 | 20452 | 22605 | 29063 | 13828 | 17515 | 19359 | 24890 |
| 4 | 14 | 23288 | 29498 | 32603 | 41918 | 18196 | 23048 | 25474 | 32752 | 15738 | 19935 | 22034 | 28329 |
| | 15.7 | 25810 | 32692 | 36134 | 46458 | 20067 | 25418 | 28094 | 36120 | 17315 | 21932 | 24241 | 31166 |
| 4-1/2 | 16.6 | 30807 | 39022 | 43130 | 55453 | 24139 | 30576 | 33795 | 43450 | 20908 | 26483 | 29271 | 37634 |
| | 20 | 36901 | 46741 | 51661 | 66421 | 28683 | 36332 | 40157 | 51630 | 24747 | 31346 | 34645 | 44544 |
| | 22.82 | 40912 | 51821 | 57276 | 73941 | 31587 | 40010 | 44222 | 56856 | 27161 | 34404 | 38026 | 48890 |
| 5 | 19.5 | 41167 | 52144 | 57633 | 74100 | 32285 | 40895 | 45199 | 58113 | 27976 | 35436 | 39166 | 50356 |
| | 25.6 | 52257 | 66192 | 73159 | 94062 | 40544 | 51356 | 56762 | 72979 | 34947 | 44267 | 48926 | 62905 |
| 5-1/2 | 21.9 | 50710 | 64233 | 70994 | 91278 | 39863 | 50494 | 55809 | 71754 | 34582 | 43804 | 48414 | 62247 |
| | 24.7 | 56574 | 71660 | 79204 | 101833 | 44320 | 56139 | 62048 | 79776 | 38383 | 48619 | 53737 | 69090 |
| 6-5/8 | 25.2 | 70580 | 89402 | 98812 | 127044 | 55766 | 70637 | 78072 | 100379 | 48497 | 61430 | 67896 | 87295 |
| | 27.7 | 76294 | 96639 | 106812 | 137330 | 60191 | 76242 | 84267 | 108343 | 52306 | 66254 | 73228 | 94150 |