

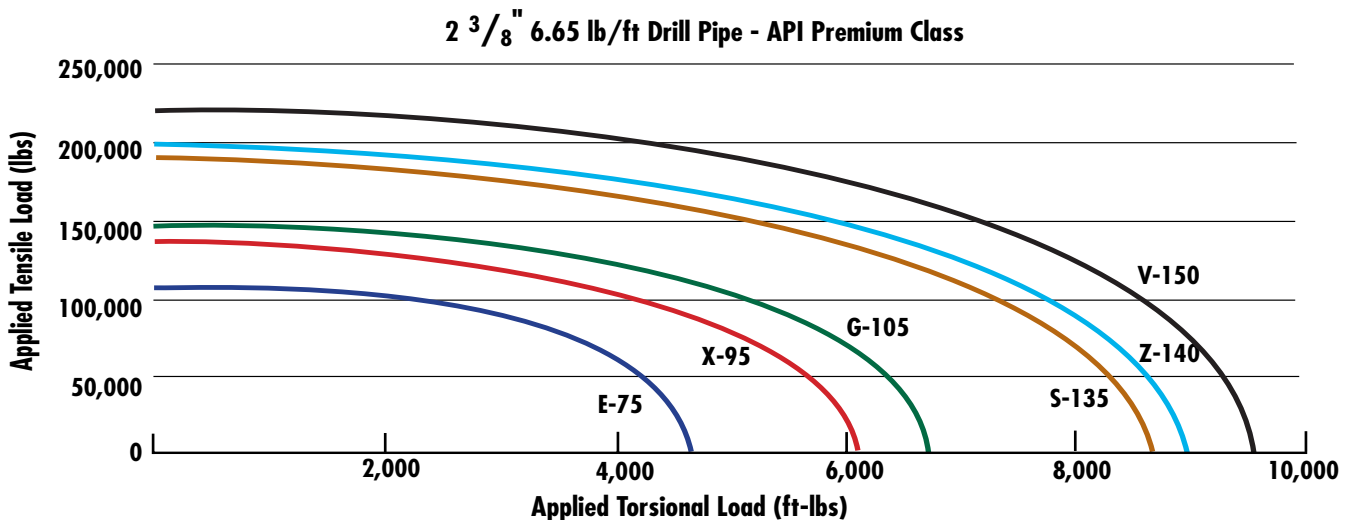
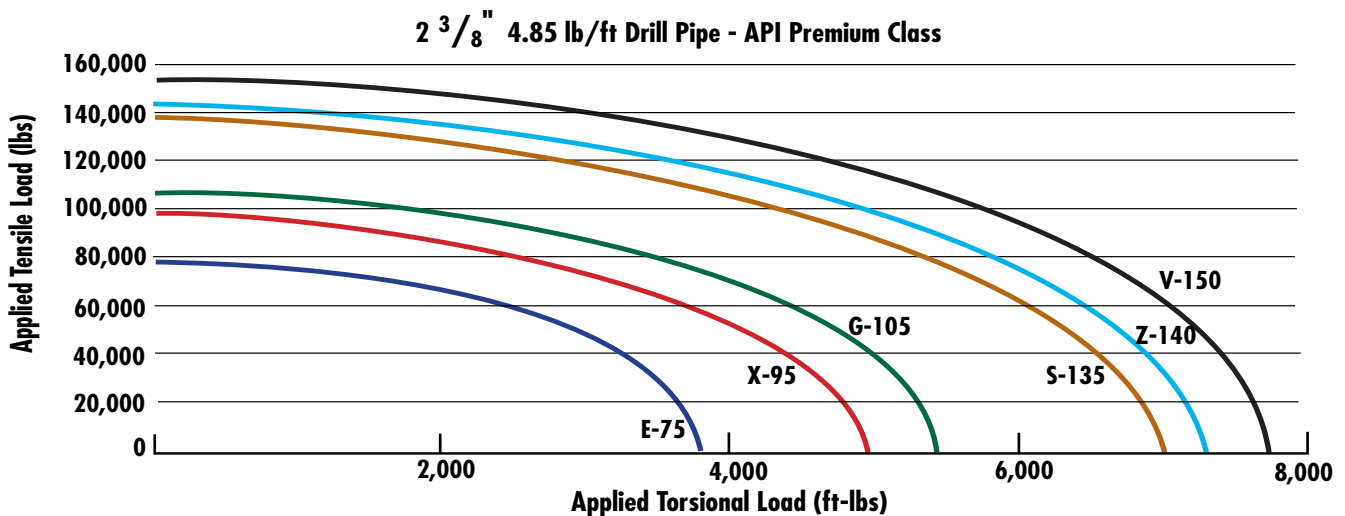
DRILL PIPE COMBINED TORSION-TENSION TO YIELD PIPE TUBES

The charts that follow indicate the minimum torsional yield strength of the pipe body tube under tension.

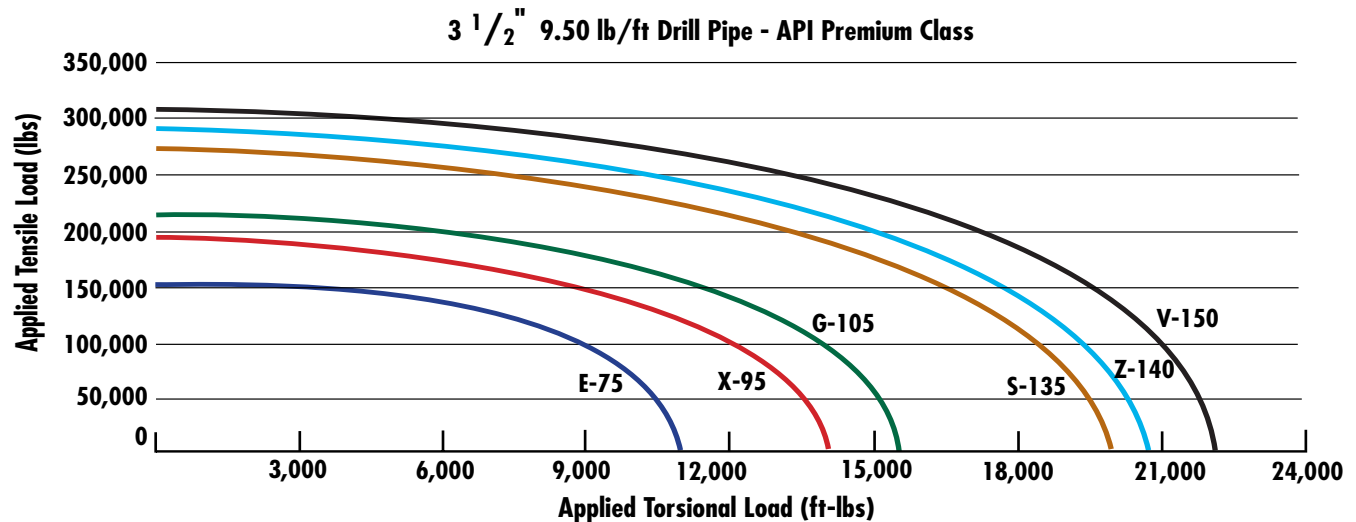
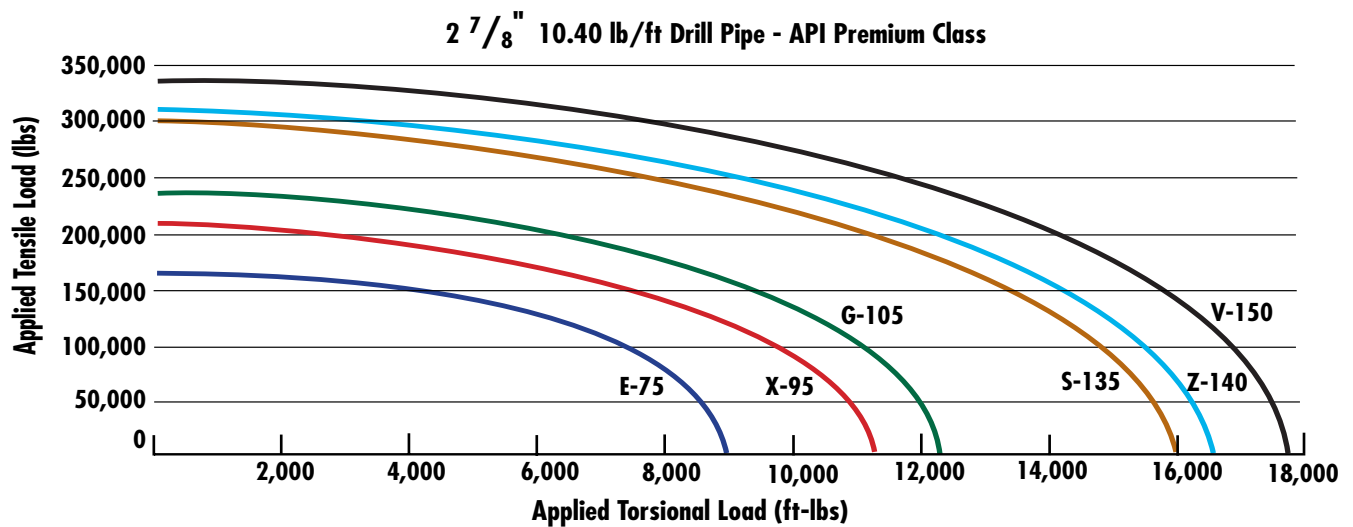
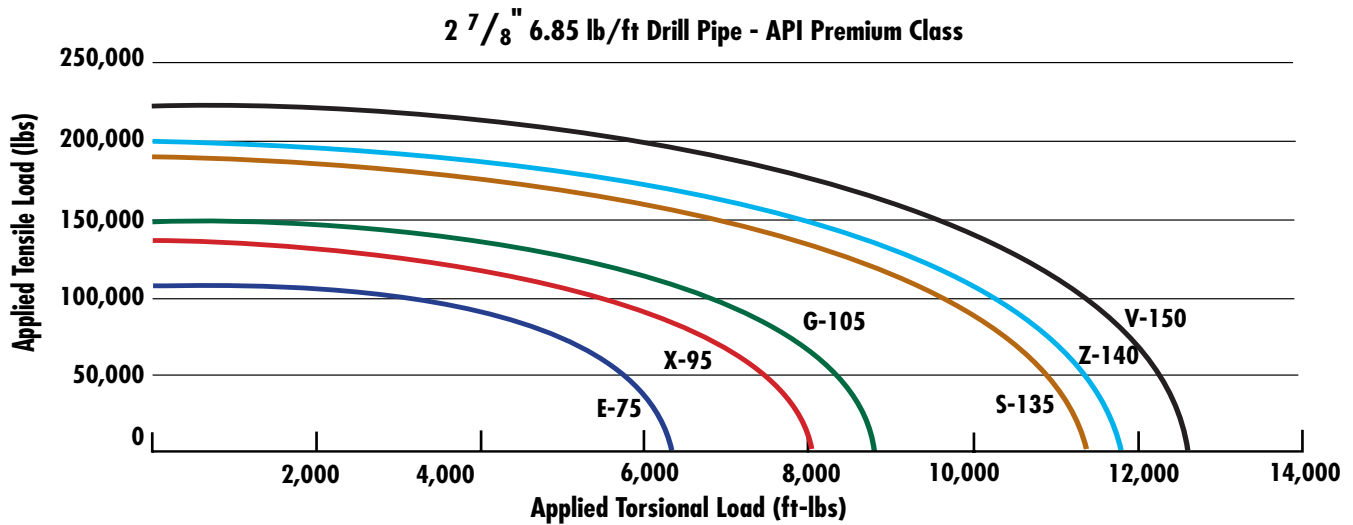
Locate the appropriate figure for the pipe size of interest. The figures have a separate curve for each of the following pipe grades: E-75, X-95, G-105, S-135, Z-140 and V-150. Reference the legend at the bottom of the page to locate the appropriate curve.

The applied torsional load is indicated on the horizontal axis. The tensile load required to yield the pipe, assuming minimum premium class wall thickness, is indicated on the vertical axis. (Reverse entry points on the curve to go from applied tension to torsional capacity).

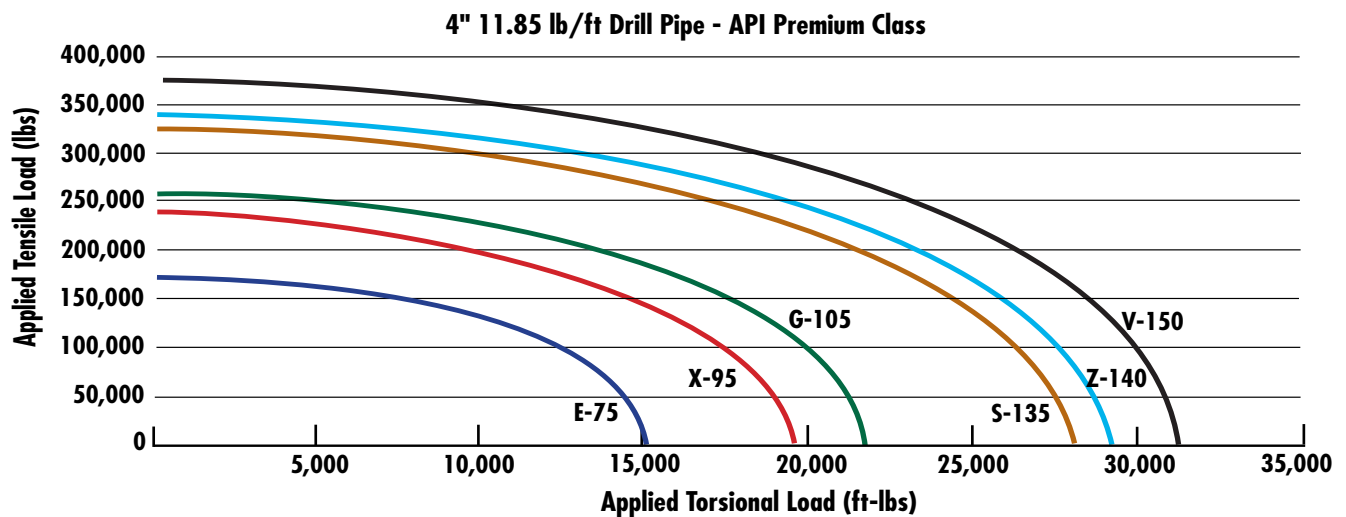
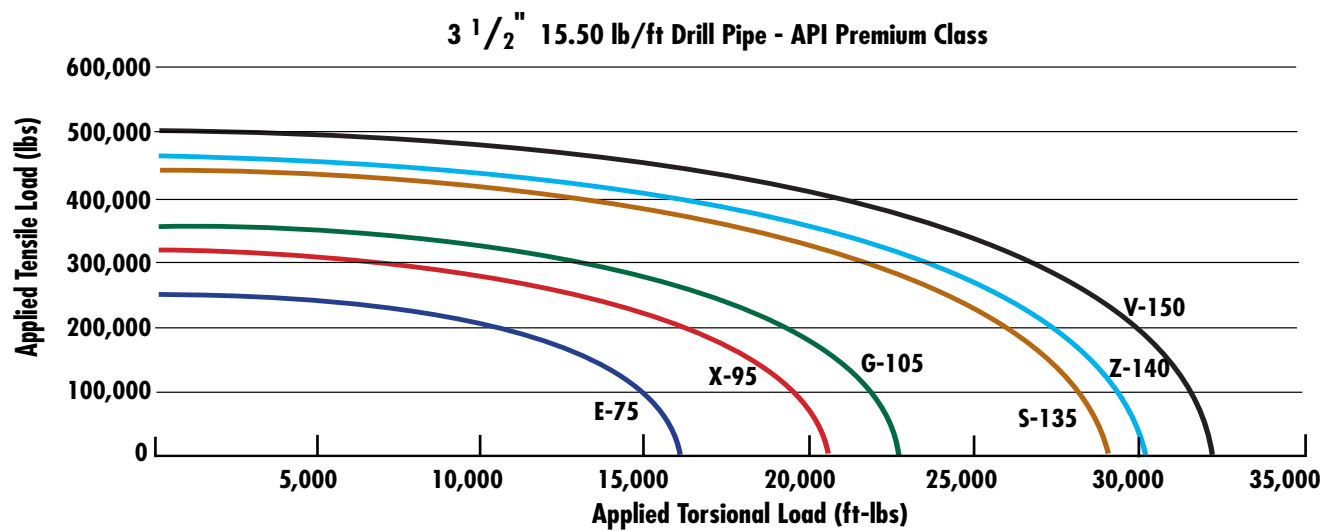
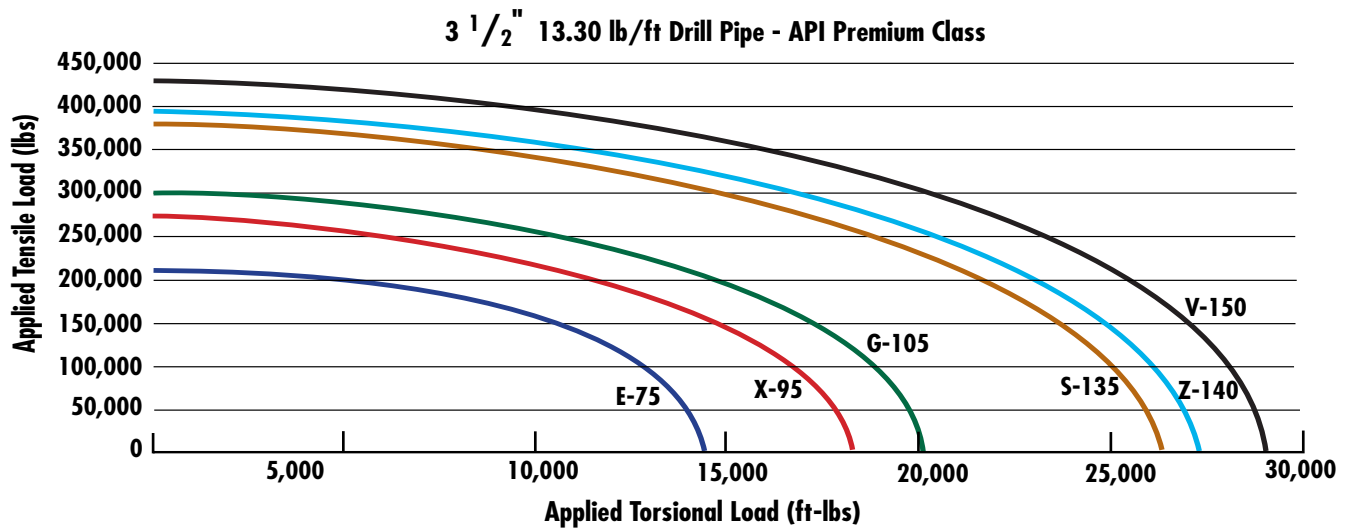
The values shown were calculated per equation A.16 of API RP7G, 16th Edition, December 1, 1998.



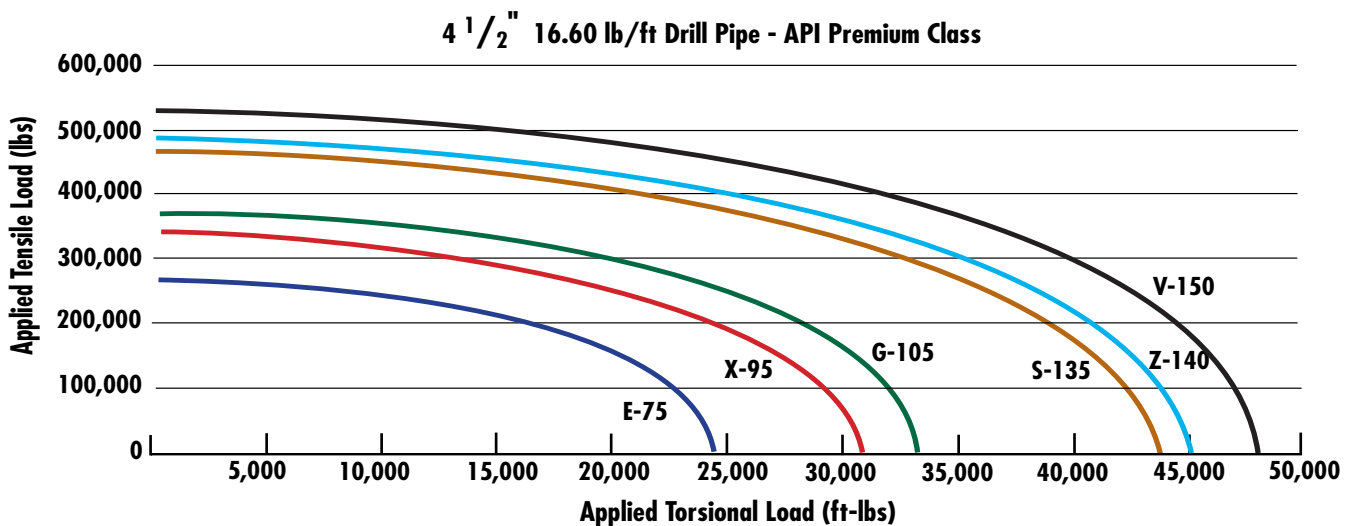
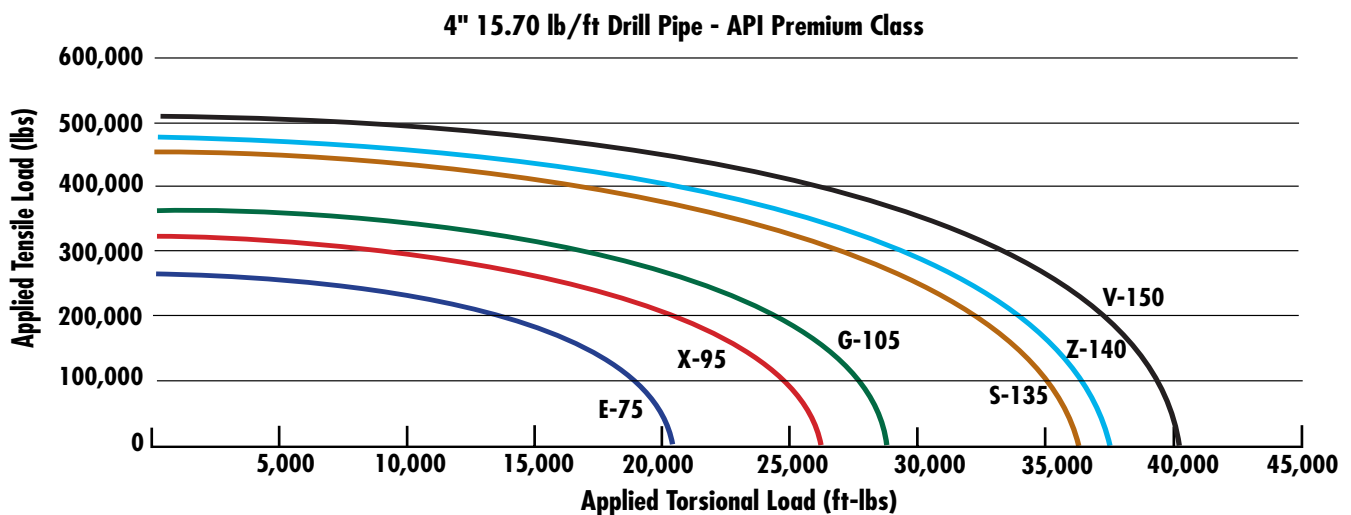
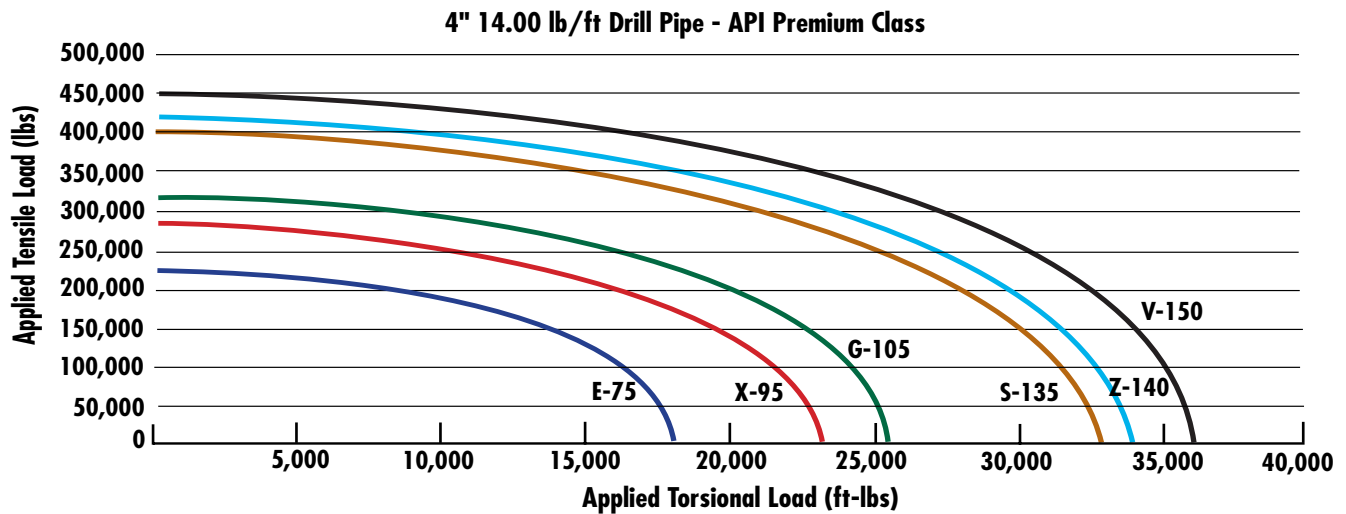
DRILL PIPE COMBINED TORSION - TENSION YIELD TO PIPE TUBES



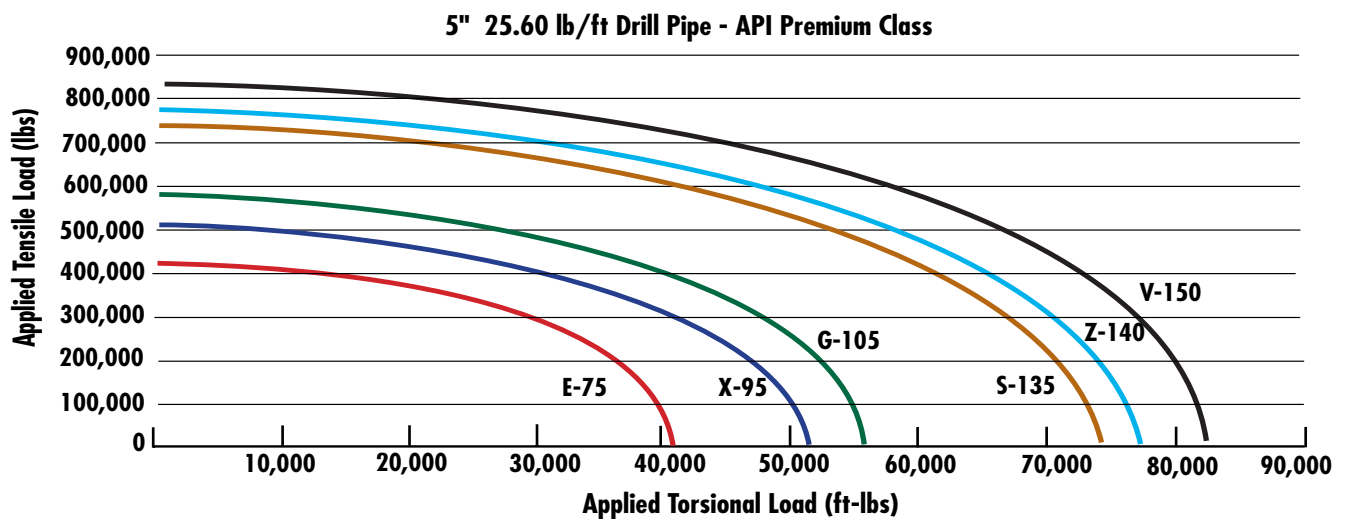
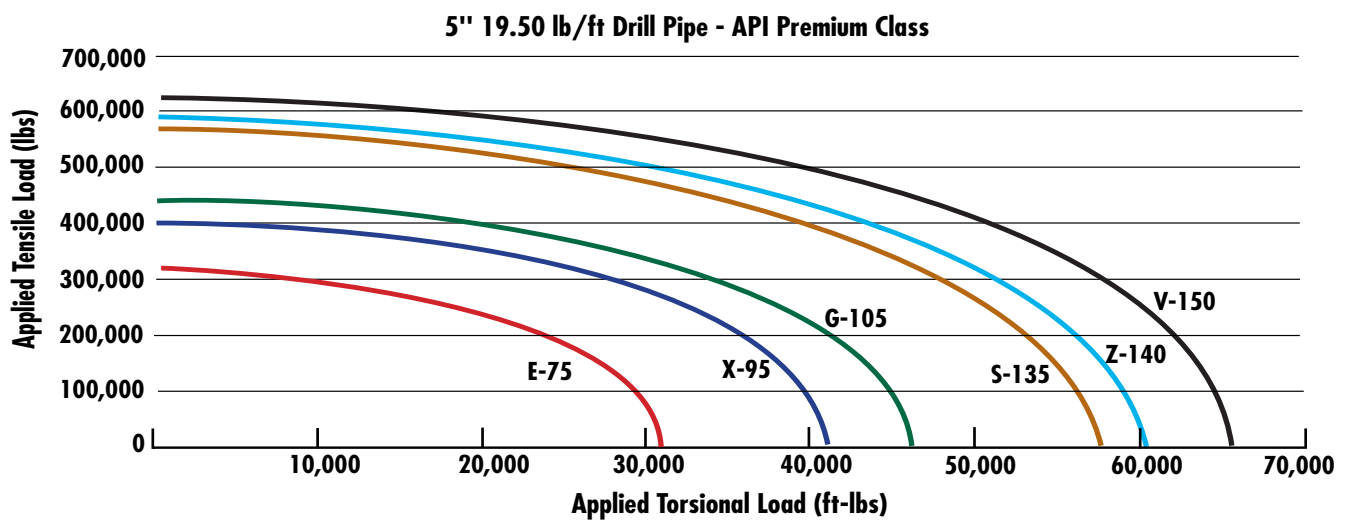
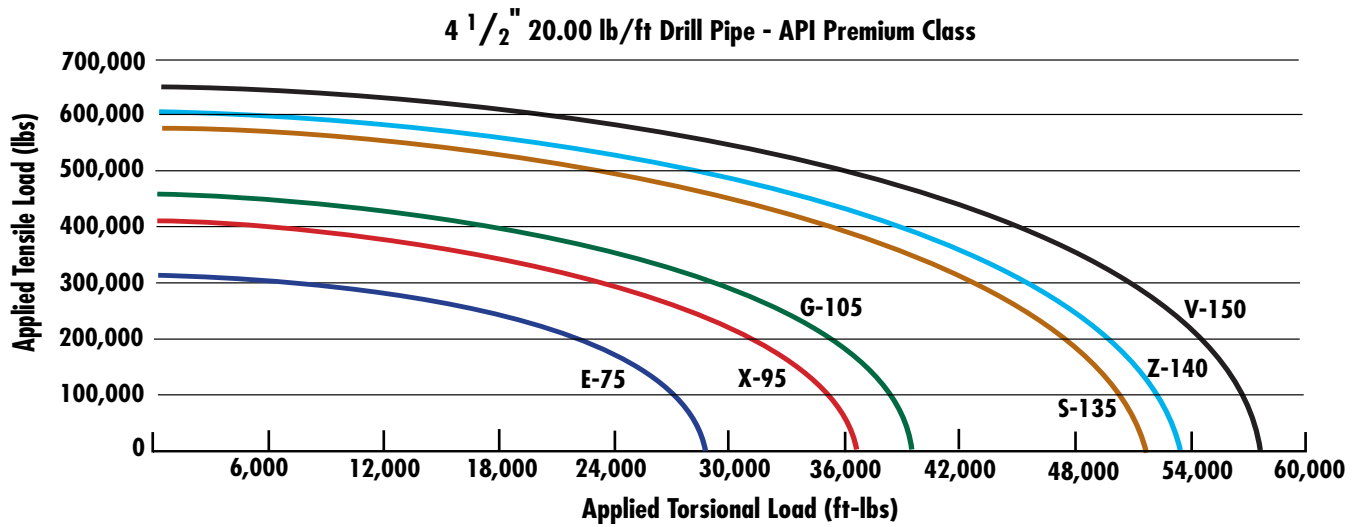
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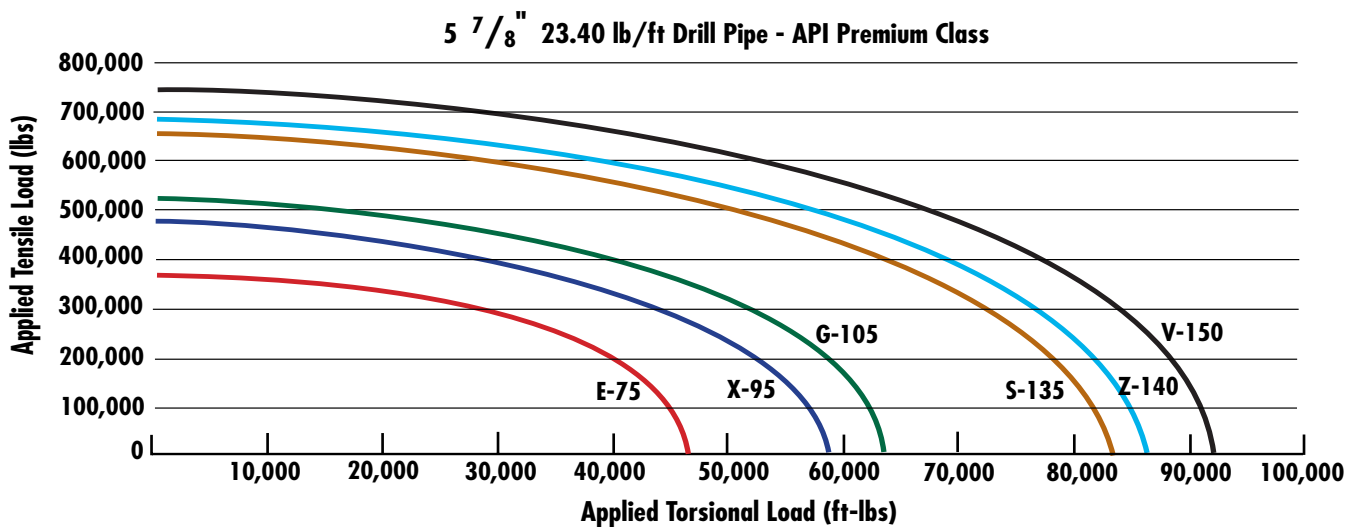
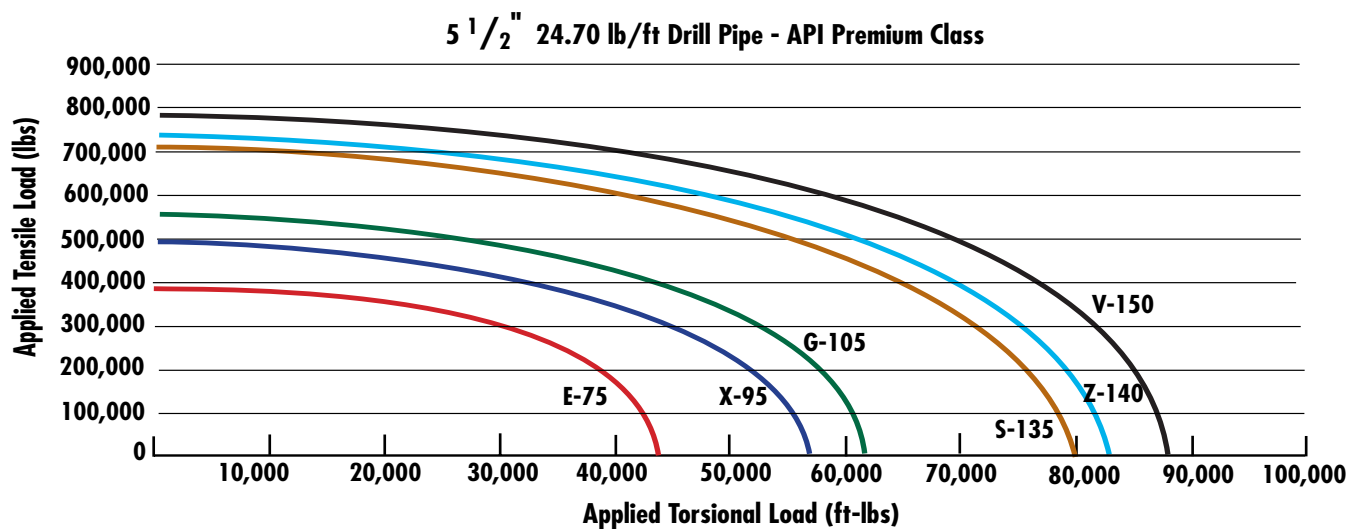
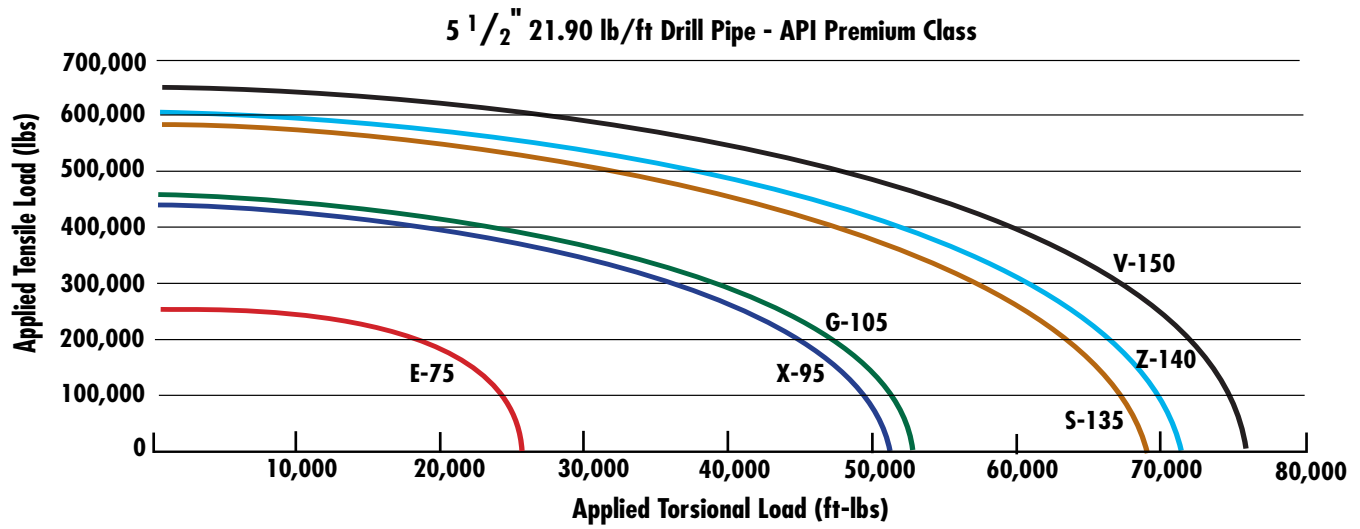
DRILL PIPE COMBINED TORSION - TENSION YIELD TO PIPE TUBES



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DRILL PIPE COMBINED TORSION - TENSION YIELD TO PIPE TUBES



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