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formula $T = KDP$ where T
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 $M = P \times D$ $M = \text{torque N.m}$
 $5000 P = \text{bolt tension Newtons}$
 $D = \text{bolt dia. mm}$
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Or for metric sizes: $M = P \times D$ $M =$ torque N.m 5000 $P =$ bolt tension Newtons $D =$ bolt dia. mm These formulae may be used for bolts outside the range of the tables overleaf.

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Many of the common
 tightening methods
 achieve the preload force
 by applying a torque to
 the nut or to the bolt
 head. When tightening a
 fastener with a torque
 wrench, which is one of
 the easiest and most
 common methods, the
 fastener is considered to
 be properly tightened
 once the specified torque
 is achieved.
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 When selecting a bolt for
 a critical application
 where installed
 measurement is not

possible I will always
 stretch test several bolts
 from the same batch, if
 the bolts are consistent
 within a certain
 percentage (if not they
 are rejected) a torque
 setting for a particular
 torque wrench can be
 arrived at that will allow
 THOSE bolts to be
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