

Errata

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Table 5 of the paper by W. H. Munse was not updated to reflect the minimum fastener tension values of the September 1966 specification of the RCRBSJ. Following is the corrected table:

Table 5 Approximate Torque for Minimum Tension

Bolt Size	A325 Bolt (ft-lb)	A490 Bolt (ft-lb)
5/8	200	250
3/4	355	435
7/8	570	715
1	850	1070
1 1/8	1060	1500
1 1/4	1495	2125

Pages 28 and 29

In the paper by John Mataya, several equations were not consistent with the units of the Nomenclature and the illustrative examples. The following equations are modified to reflect the correct units:

Formula (4):

$$F_b = \left[\frac{22,000 - \frac{0.672}{C_b} \left(\frac{l}{r'} \right)^2}{1,000} \right] \leq (0.60F_y = 22 \text{ ksi})$$

Formula (5):

$$F_b = \frac{1,000}{L \times d/A_f} \leq 22 \text{ ksi}$$

Under "Mathematical Derivation":

From Formula (5):

$$f_b = \frac{12M}{S} = \frac{1,000}{L \times d/A_f}$$

$$\frac{12ML}{1,000} = \frac{S}{d/A_f}$$

Step 4 of Example 1:

$$F_b = \left[\frac{22,000 - \frac{0.679}{1} \left(\frac{20 \times 12}{2.16} \right)^2}{1,000} \right] = 13.62 \text{ ksi}$$

Formula (4)

$$F_b = \frac{1,000}{20 \times 2.90} = 17.24 \text{ ksi (governs)}$$

Formula (5)