

Required Installation Tension Table

Below is AASHTO Table 11.3A, which should be used to find the required installation tension for your bolt during structural bolting.

Note that some specifications described in the following content may not be the same as the specifications followed by your agency. Always check with your State agency's standards and specifications when using these guidelines.

	Bolt Diam.	A325	A490
AASHTO Table 11.3A	1/2 in.	12 kips	15 kips
	5/8	19	24
	3/4	28	35
	7/8	39	49
	1	51	64
	1-1/8	56	80
	1-1/4	71	102
	1-3/8	85	121
	1-1/2	103	148