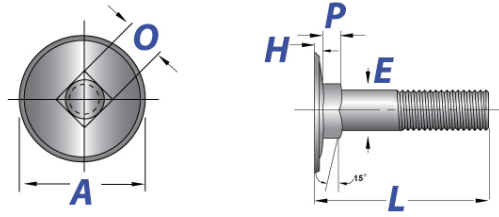


Elevator Bolts: Dimensions & Specifications



Elevator Bolts: Dimensions (ANSI/ASME B18.5)											
Nominal Size	Body Diameter (E)		Head Diameter (A)			Head Height (H)		Square Width (O)		Square Depth (P)	
	Max	Min	Max. Edge Sharp	Min. Edge Sharp	Min. Edge Flat	Max	Min	Max	Min	Max	Min
1/4	.260	.237	1.008	.969	.938	.098	.078	.280	.245	.219	.188
5/16	.324	.298	1.227	1.188	1.157	.114	.094	.342	.307	.250	.219
3/8	.388	.360	1.352	1.312	1.272	.145	.125	.405	.368	.250	.219

* Length of an elevator bolt is measured from the top of the head to the extreme end of the bolt.

Elevator Bolts: Tolerance on Length			
Nominal Bolt Size	Nominal Bolt Length		
	Up to 1"	Over 1" - 2-1/2"	Over 2-1/2" - 4"
1/4" - 3/8"	+0.02, -0.03	+0.02, -0.04	+0.04, -0.06

Elevator Bolts: Performance & Mechanical Specs	
Description	Bolt with a wide, countersunk flat head, a shallow conical bearing surface, an integrally-formed square neck under the head, and a unified thread pitch.
Applications	Commonly used in conveyor systems
Material	AISI 1006 - 1050 or equivalent steel
Core Hardness	1/4" - 3/8" diameter, all lengths: Rockwell B70-B100
Proof Load	1/4" - 3/8" diameter, all lengths: 33,000 psi
Yield Strength	1/4" - 3/8" diameter, all lengths: 36,000 psi min
Tensile Strength	1/4" - 3/8" diameter, all lengths: 54,000 psi min
Elongation	18% min
Reduction of Area	35%
Minimal Thread Length	The minimum length of thread shall be equal to twice the basic bolt diameter plus 0.25"