

## HARDWARE DATA

### RECOMMENDED TIGHTENING TORQUE

The hardware used in connectors must be compatible with the connector material, have high mechanical strength and be corrosion resistant and correspond to NEMA recommendations.

Copper alloy connectors have hardware made of DURIMUM™, which is BURNDY's trade name for silicon bronze alloy ASTMB99 type B. This material was first introduced by BURNDY® in 1927 for use in outdoor construction, and today, is the standard throughout the industry.

DURIMUM™ and Steel Hardware		Aluminum Hardware	
Bolt Size	Rec. Torque (Inch Pounds)	Bolt Size	Rec. Torque (Inch Pounds)
1/4 - 20	80	1/2 - 13	300
5/16 - 18	180	5/8 - 11	480
3/8 - 16	240	3/4 - 10	650
1/2 - 13	480		
5/8 - 11	660		
3/4 - 10	1,050		

Aluminum connectors generally have aluminum alloy hardware. The bolts are 2024T4 and anodized to resist corrosion. The nuts are 6061T6, which is resistant to corrosion and does not require anodizing. Both nuts and bolts are lubricated to eliminate galling and to provide consistent

clamping forces.

To reduce or greatly exceed the recommended torque can adversely affect the performance of the connector.

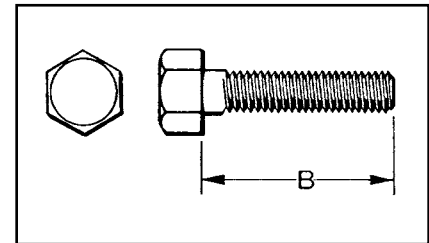
## DURIMUM™ BOLT

### SILICON BRONZE

BURNDY® introduced silicon-bronze bolts, nuts and other hardware items on outdoor connector applications in 1927. Today the DURIMUM™ trademark is a standard for this use. DURIMUM™ bolts combine high strength with corrosion resistance. Heads have American Standard



dimension and the threads are per American National Coarse Series, Class #2 fit. The silicon



bronze is per ASTM B99.

Catalog Number	Thread Size	B Length (Inches)
25x50HEBBOX	1/4-20	1/2
25x62HEBBOX	1/4-20	5/8
25x75HEBBOX	1/4-20	3/4
25x100HEBBOX	1/4-20	1
25x125HEBBOX	1/4-20	1-1/4
25x150HEBBOX	1/4-20	1-1/2
25x200HEBBOX	1/4-20	2
25x250HEBBOX	1/4-20	2-1/2
25x300HEBBOX	1/4-20	3
31x50HEBBOX	5/16-18	1/2
31x62HEBBOX	5/16-18	5/8
31x75HEBBOX	5/16-18	3/4
31x100HEBBOX	5/16-18	1
31x125HEBBOX	5/16-18	1-1/4
31x150HEBBOX	5/16-18	1-1/2
31x175HEBBOX	5/16-18	1-3/4
31x200HEBBOX	5/16-18	2
31x250HEBBOX	5/16-18	2-1/2
31x300HEBBOX	5/16-18	3
38x50HEBBOX	3/8-16	1/2
38x62HEBBOX	3/8-16	5/8
38x75HEBBOX	3/8-16	3/4
38x88HEBBOX	3/8-16	7/8
38x100HEBBOX	3/8-16	1

Catalog Number	Thread Size	B Length (Inches)
38x125HEBBOX	3/8-16	1-1/4
38x150HEBBOX	3/8-16	1-1/2
38x175HEBBOX	3/8-16	1-3/4
38x200HEBBOX	3/8-16	2
38x225HEBBOX	3/8-16	2-1/4
38x250HEBBOX	3/8-16	2-1/2
38x275HEBBOX	3/8-16	2-3/4
38x300HEBBOX	3/8-16	3
38x325HEBBOX	3/8-16	3-1/4
38x350HEBBOX	3/8-16	3-1/2
38x400HEBBOX	3/8-16	4
38x450HEBBOX	3/8-16	4-1/2
38x500HEBBOX	3/8-16	5
44x150HEBBOX	7/16-14	1-1/2
44x200HEBBOX	7/16-14	2
50x75HEBBOX	1/2-13	3/4
50x100HEBBOX	1/2-13	1
50x125HEBBOX	1/2-13	1-1/4
50x150HEBBOX	1/2-13	1-1/2
50x175HEBBOX	1/2-13	1-3/4
50x200HEBBOX	1/2-13	2
50x225HEBBOX	1/2-13	2-1/4
50x250HEBBOX	1/2-13	2-1/2
50x275HEBBOX	1/2-13	2-3/4

Catalog Number	Thread Size	B Length (Inches)
50x300HEBBOX	1/2-13	3
50x325HEBBOX	1/2-13	3-1/4
50x350HEBBOX	1/2-13	3-1/2
50x375HEBBOX	1/2-13	3-3/4
50x400HEBBOX	1/2-13	4
50x450HEBBOX	1/2-13	4-1/2
50x500HEBBOX	1/2-13	5
50x550HEBBOX	1/2-13	4-1/2
50x600HEBBOX	1/2-13	6
62x100HEBBOX	5/8-11	1
62x125HEBBOX	5/8-11	1-1/4
62x150HEBBOX	5/8-11	1-1/2
62x175HEBBOX	5/8-11	1-3/4
62x200HEBBOX	5/8-11	2
62x225HEBBOX	5/8-11	2-1/4
62x250HEBBOX	5/8-11	2-1/2
62x275HEBBOX	5/8-11	2-3/4
62x300HEBBOX	5/8-11	3
62x325HEBBOX	5/8-11	3-1/4
62x350HEBBOX	5/8-11	3-1/2
62x400HEBBOX	5/8-11	4
62x450HEBBOX	5/8-11	4-1/2
62x500HEBBOX	5/8-11	5
62x600HEBBOX	5/8-11	6

Blue highlighted items are industry standard and most frequently ordered.