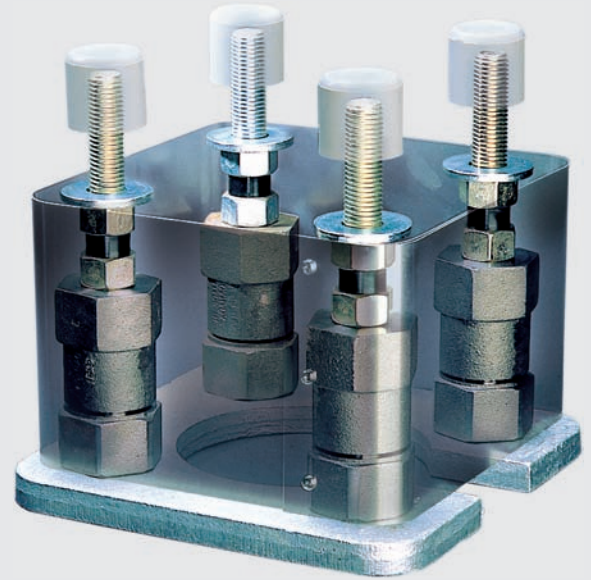


SAFETY BASE Breakaway Device



High Performance Breakaway Pole-to-Base Coupling Devices



Saves Lives

Safety Base is a device that can ultimately save lives. The safety Base system uses frangible couplers to attach a pole to a pole base. These couplers are strong enough to withstand the external bending and torque caused by static forces and wind loads. However, they are designed to instantly break from the impact of a moving vehicle, without causing harm to its occupants.

Because of this unique design, you can help eliminate fatalities and minimize damage to public and private property. The damage avoided is common in vehicular collisions with free standing, conventionally-mounted, street lights, traffic signal pole and pedestrian corridor poles.

How it Works

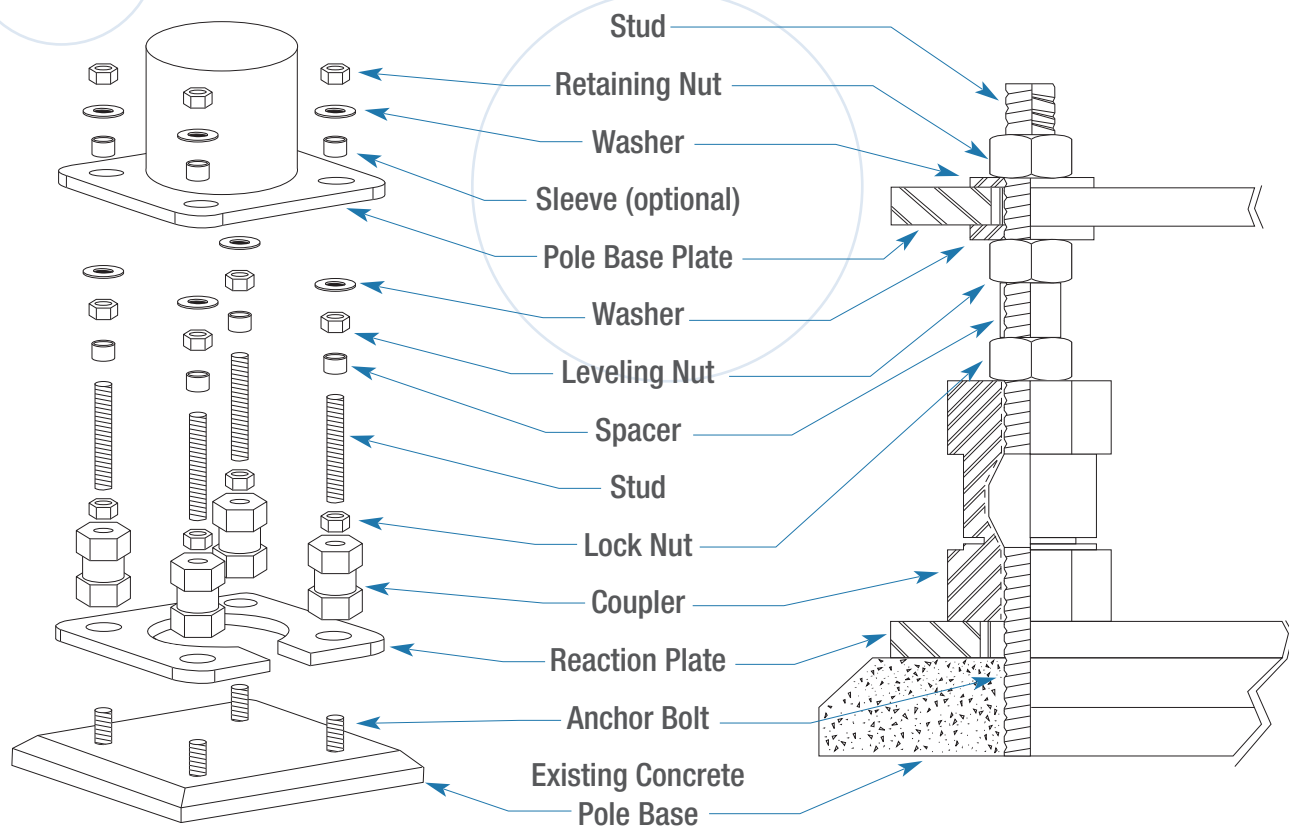
When a vehicle collides with a pole, the Safety Base couplers allow the pole to break away from its base. After a collision, the couplers are easily removed and replaced with a new coupler set. The undamaged pole is then lifted into position and a shroud is placed around the Safety Base system. The entire procedure is fast, simple and cost effective.

Saves Time & Money

With installations throughout North America, Safety Base has a strong track record for saving municipalities time, and money. The Design allows for extremely economical installation and retrofit costs. As well, improved air circulation inside steel poles results in reduced corrosion. As a further bonus, you gain the ability to reuse knocked down poles due to negligible damage incurred after collision. The minimal reinstatement time required after a collision also reduces traffic tie-ups.



Standard Safety Base Installation

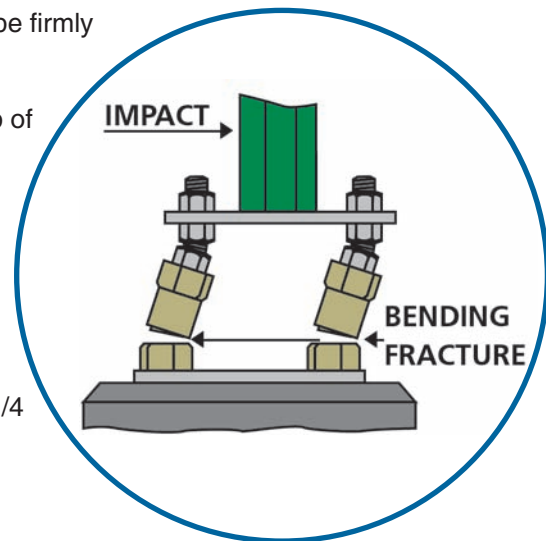


Safety Base Assembly

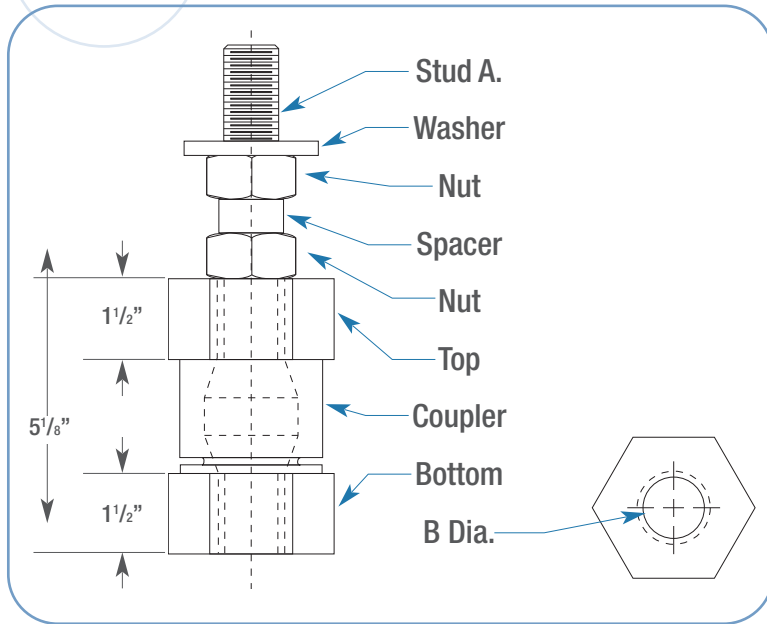
Section View

Pole Base requirements for Safety Base Installation

- The Concrete base must be in good condition, and it must be firmly bedded down in the soil.
- The preferred maximum height above level grade to the top of the concrete base is 1 5/8 inches. This provides the recommended clearance in the event of a collision with the structure.
- The Upper surface should be flat, and it should extend at least three inches beyond the bolt square.
- Measure the height of threaded anchor bolts above the reaction plate and ensure this measurement is between 1 1/4 to 1 5/8 inches.

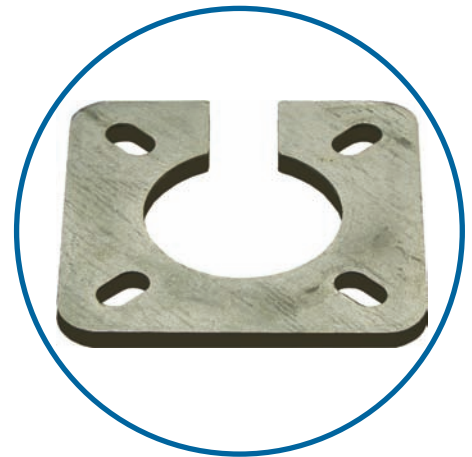
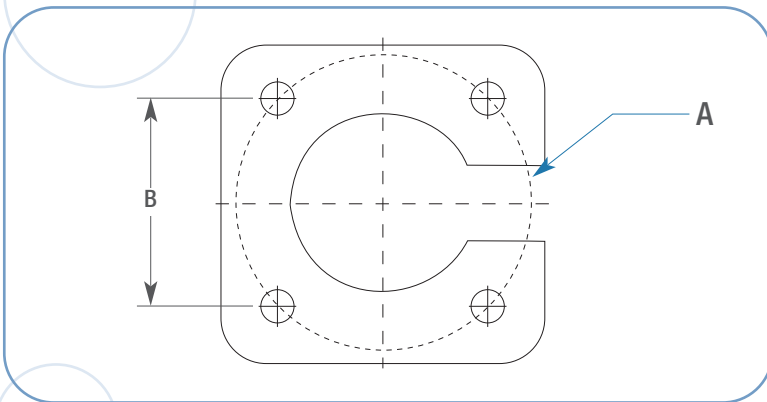


Base Coupler



Part Number	Std. Size A	Anchor Bolt B
Galvanized		
SB-C-5	1" 8UNC	1" 8UNC
SB-C-6	1" 8UNC	1 1/8" 7UNC
SB-C-7	1" 8UNC	1 1/4" 7UNC
SB-C-8	1 1/8" 8UNC	1 3/8" 6UNC
SB-C-14	1 1/4" 8UNC	1 1/4" 7UNC

Reaction Plate



NOTES:

Unless specified otherwise, slotted reaction plates will be supplied.

Reaction Plates SB-RP-1, SB-RP-9 & SB-RP-10 are ductile iron

SB-RP-2 will be supplied with all 11.0", 11.5" BCD orders.
SB-RP-10 will be supplied with 13.0", 13.5", 14.0", 14.5", 15.0" BCD.

SB-RP-9 is used with 18.0" transition plate.

Reaction Plate Finishes:

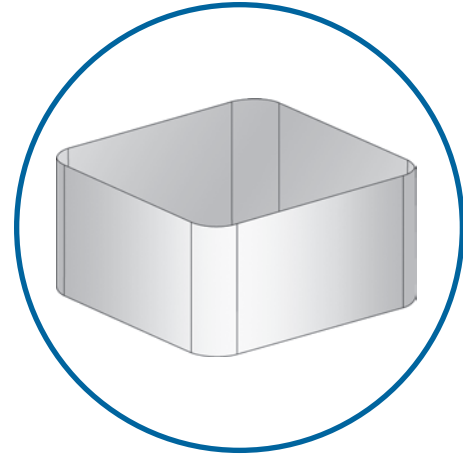
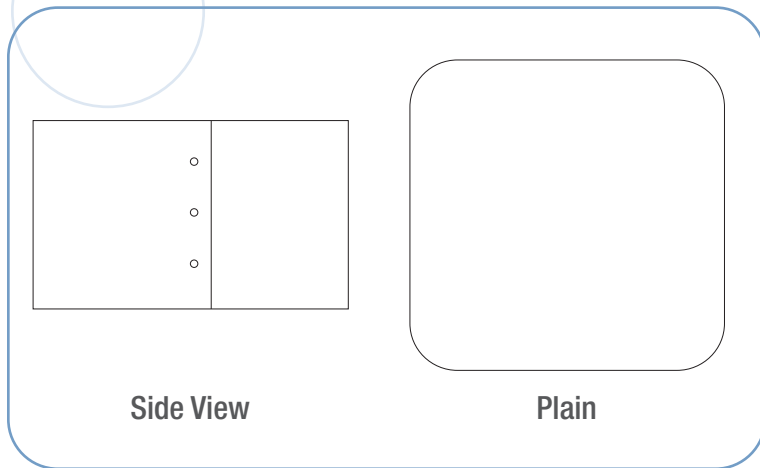
- A - Green
- B - Grey
- C - Galvanized

How to Order:

Order Part Number followed by coating suffix.
Example: **SB-RP-9B** (Reaction plate n° 9 grey coated)

Part Number	A Bolt Circle	B Bolt Square
SB-RP-1	9.5"	6.75"
SB-RP-2	11.0" - 11.5"	7.75" - 8.125"
SB-RP-3	12.0"	8.5"
SB-RP-8	16.0"	11.3125"
SB-RP-9	18.0"	12.75"
SB-RP-10	13" - 15"	9.188" - 10.63"
SB-RP-11	10.04" - 10.79"	7.05" - 7.625"

Base Shroud Cover



Part Number	Bolt Circle Diameter	Bolt Square
SB-S-1	9.5"	6 ³ / ₄ "
SB-S-2	11.0"	7 ³ / ₄ "
SB-S-3	11.5"	8 ¹ / ₈ "
SB-S-4	12.0"	8 ¹ / ₂ "
SB-S-5	13.0"	9 ³ / ₁₆ "
SB-S-6	13.5"	9 ⁹ / ₁₆ "
SB-S-7	14.0"	9 ⁷ / ₈ "
SB-S-8	15.0"	10 ⁵ / ₈ "
SB-S-9	16"	11 ⁵ / ₁₆ "
SB-S-10	18"	12 ³ / ₄ "

NOTES:

Base Shroud Cover Finishes:

- A** - Green
- B** - Grey
- C** - Galvanized

How to Order:

Order Part Number followed by coating suffix.

Exemple: **SB-S-9B** (Base Shroud Cover n° 9 grey coated)