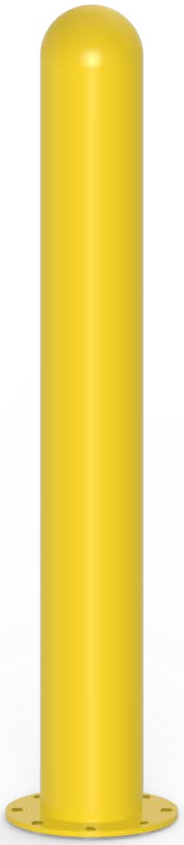
DSB
Bollard

The DSB is a surface mount bollard that protects fixtures and cases in grocery and retail stores. It also provides medium duty protection for racking and similar fixtures in warehouses.



TYPICAL INSTALLATION SITES

- Supermarkets/Retail Stores
- Backrooms
- Warehouses

FUNCTION

The DSB bollard protects walk-in cooler boxes and freezers, electric panel boxes and similar fixtures from forklift and pallet jack impact.

AVAILABLE HEIGHTS

The DSB is available in a 32" height.

MATERIALS AND FINISHES

The DSB is constructed from 4.5" OD 11-gauge steel tubing sealed with a steel domed cap welded to the top of the bollard with all welds grounded smooth. A 7.75" OD flange is welded to the base of the bollard with holes for anchoring. The included anchor package consists of (4) sleeve anchors (4) bolts and (4) washers. Available finishes include powder coat in safety yellow, traffic black or signal white.

OPTIONS

A 0.40" thick, domed cast iron base cover. Available finishes include powder coat in safety yellow, traffic black or signal white.

OTHER AVAILABLE MODELS

Alvarado offers other protection posts (shown below) and protection bollard products (see - http://www.alvaradomfg.com/asset-protection-products)



	Vogue Post	Space Saver	C Post	LS Post
Post Height	35", 44", 48" (889, 1118, 1219 mm)	35" (889 mm)	36" (914 mm)	35" (889 mm)
Post Diameter	2.5" (70 mm)	2.5" (70 mm)	3" (76 mm)	2" (51 mm)
Base Diameter	5.5" (140 mm)	3.5" (89 mm)	5.5" (140 mm)	5.5" (140 mm)
Removable/ Fixed Installed	Fixed (Removable Option)	Fixed	Fixed (Removable Option)	Removable

SHIPPING AND SITE PREPARATION

SHIPPING

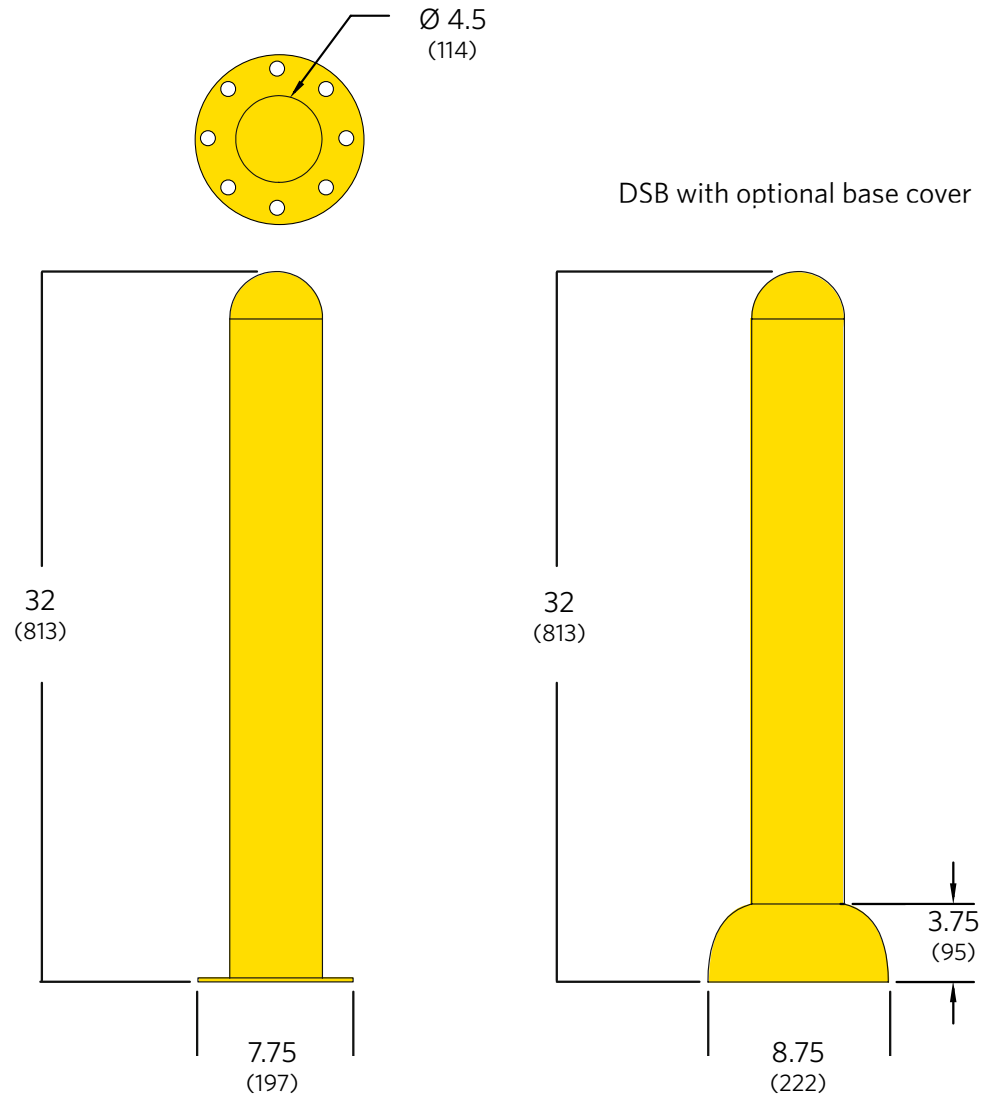
DSBs are shipped with anchor hardware to mount the unit to a standard, level concrete floor.

SITE PREPARATION

The DSB installs on level concrete. A skilled installer should perform the installation, in consultation with the owner or end user, following safe practices and the installation guidelines that come with the product.

TECHNICAL DIMENSIONS

Dimensions are shown in inches (mm). All measurements are approximate.



Weight (DSB)	
Product Weight	18 lbs. (8.2 kg)
Shipping Weight*	20 lbs. (9.1 kg)

*Shipping weight accounts for 1 DSB with anchor kit per box

Weight (Optional Base Cover)	
Product Weight	12 lbs. (5.4 kg)
Shipping Weight**	13 lbs. (5.9 kg)

**Shipping weight accounts for 1 base cover per box

WARRANTY

For a period of one year from the date of shipping, Alvarado will replace or repair, at Alvarado's option, any products or parts which are defective in materials or workmanship, provided recommended installation and maintenance procedures are followed. This warranty is void if damage is due to improper installation, maintenance or use. This warranty is limited to parts only, and does not cover labor or shipping charges incurred in connection with the removal or replacement of warranted products or parts.

This warranty is expressly made in lieu of any and all other warranties, expressed or implied, including, but not limited to implied warranties of merchantability and fitness for a particular purpose. Alvarado shall not be liable for any loss or damage, directly or indirectly, arising from the use of purchased products. In no event shall Alvarado be liable to buyer for consequential damages, special damages, incidental damages, loss of use, business interruption, loss of profits, or damages of any kind arising out of the use or inability to use a purchased product. In NO event shall Alvarado be liable for damages which exceed the purchase price of a covered product.