

SELF-ALIGNING SLIDE BEARINGS

AMSCOT Structural Products Corporation concept of self-alignment allows slide bearings with perfect alignment at vital support points to be utilized in all types of heavy construction.

Such self-aligning assures even load distribution of even the heaviest weights, while eliminating the necessity of field shimming operations. The significant lower cost of these revolutionary bearings make it practical to consider the self-aligning principle in the initial design of the projects, rather than using other more expensive methods like field shimming of flat bearing plates. These bearings are engineered for high load, low coefficient of friction applications. And, they exceed even the most demanding of client engineering requirements for excellence under severe operating conditions—including the power generation, pollution control, chemical and refinery processing, bridge, mall and many other heavy construction industries.

Coefficient of Friction: Friction Factor: .03 or less with 2B finish 304 SS.

Mounting Method: Weld or mount as with any low friction bearing.

Specifications: Self-Aligning Bearing elements shall be AMSCOT Bearing AB-SA-6-LxW as manufactured by **AMSCOT Structural Products Corporation**

Note: Standard self-aligning bearing is A588 carbon steel. Stainless steel sliding surface is 304 series. Standard bearing material is AMMAX

STANDARD COMPONENT SIZES, SERIES AND DESIGNATIONS

AMMAX Bearing Material – Unguided Assy.

- AB-SA-6 – 6" dia. x 3-1/2" elevation – 169 K
- AB-SA-9 – 9" dia. x 3-1/2" elevation – 382 K
- AB-SA-12 – 12" dia. x 3-1/2" elevation – 678 K
- AB-SA-15 – 15" dia. x 3-1/2" elevation – 1060 K

Above bearings will function at 6000 psi and 500°.

AMMAX Bearing Material – Guided Assy.

- AB-SA-6 – 6" sq. x 3-1/2" elevation – 216 K
- AB-SA-9 – 9" sq. x 3-1/2" elevation – 486 K
- AB-SA-12 – 12" sq. x 3-1/2" elevation – 864 K
- AB-SA-15 – 15" sq. x 3-1/2" elevation – 1350 K

Above sizes are standard. For larger sizes or non-standard elevation, please contact our Engineering Department.

Self-aligning fixed bearings available in above sizes.

EXAMPLE

AMSCOT Bearing
Self-aligning Slide Bearings

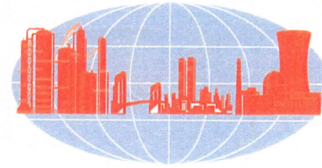
AMSCOT BEARING	SELF-ALIGNING	DIA./SQ.	L x W
AB	SA	6	8" X 10"
AB-SA-6-8X10 SLIDE PLATE			

AMSCOT
STRUCTURAL PRODUCTS CORP.

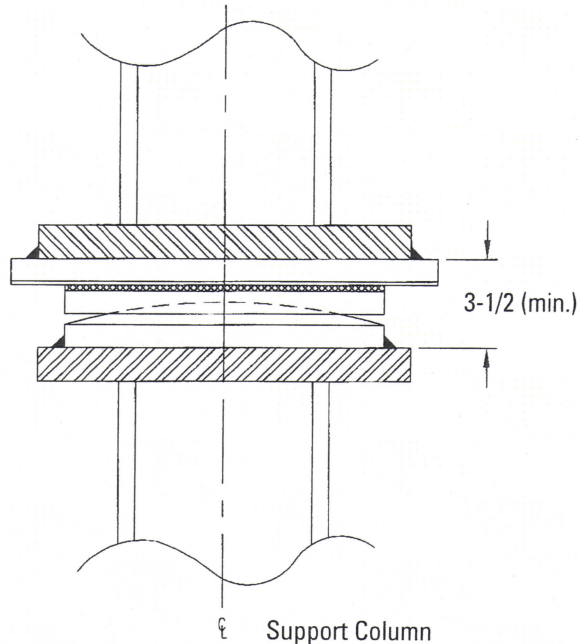
A World of Structural Bearings
and Custom Fabricated Metal Components.

973-989-8800
www.AmscotNJ.com

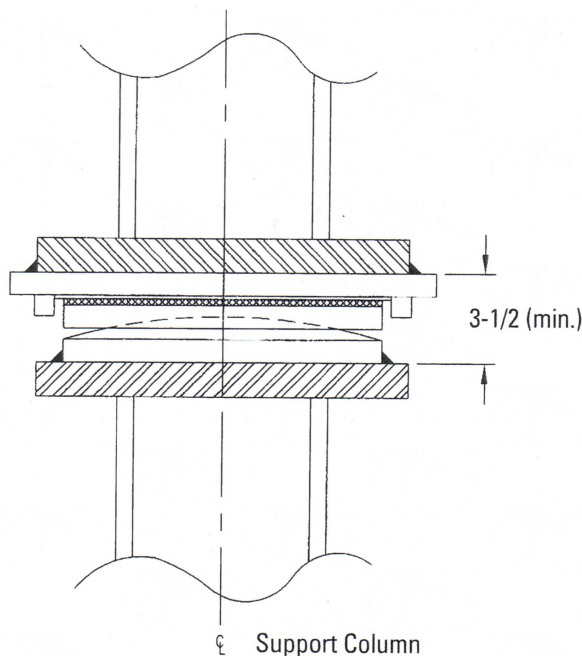
"The Quality Of The Past
The Innovation Of The Future."



TYPICAL UNGUIDED ASSEMBLY INSTALLATION



TYPICAL GUIDED ASSEMBLY INSTALLATION



SELF-ALIGNING SLIDE BEARINGS