

## STRUCTURAL SLIDE PLATES

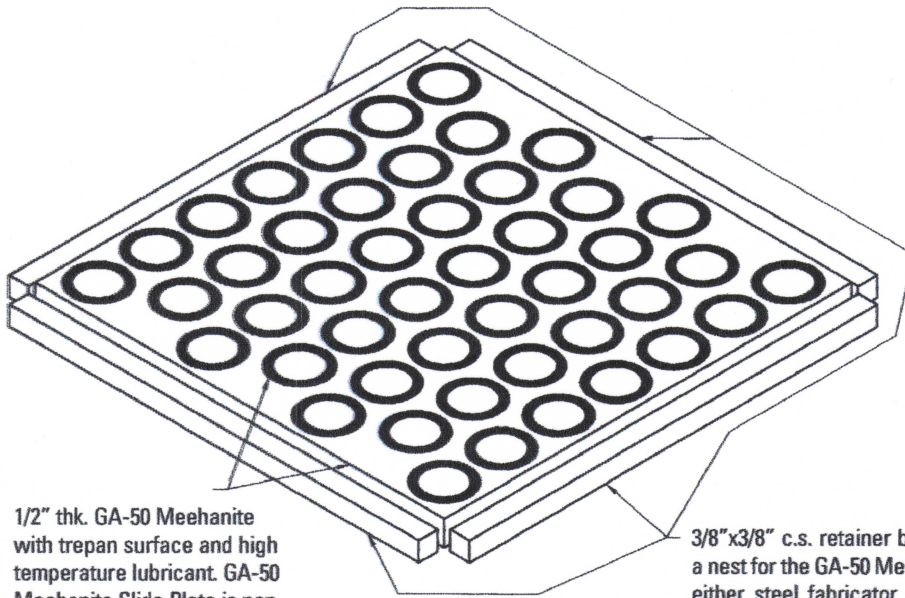
### GA-50 Meehanite Self-Lubricating Slide Plates

(Mechanically Locked)

**Notes:**

**AMSCOT Structural Products** GA-50 Meehanite Slide Bearings are designed for high temperature applications where operating temperatures are in the range of 600 deg. f. @ 3500 psi, and 1000 deg. f. (max.) @ 2000 psi.

**The Friction Factor** of GA-50 Meehanite when lubricated with the **AMSCOT Structural Products** standard high temperature lubricant is approximately .10% to .12%



1/2" thk. GA-50 Meehanite with trepan surface and high temperature lubricant. GA-50 Meehanite Slide Plate is non welding material.

3/8"x3/8" c.s. retainer bars welded to cap plate to create a nest for the GA-50 Meehanite to sit inside of. Supplied by either steel fabricator or AMSCOT Structural Products, engineer to specify. (typ. all 4 sides)

As with all slide bearings the GA-50 Meehanite Slide Bearing is designed with the bottom element (GA-50) being sized by the load (ie; 125 kip load, = s. x 5 bearing element. 125 kip / 3500 psi = 36 so/inches.) The top slide plate is designed to allow for anticipated movement (ie; movement = 1" bottom element is 6" x 6", top element will be 8" x 8" to accommodate movement.

**Normal elevation for bearing assembly** is 1" bottom element (GA-50) is normally 1/2" thick with top element being the same. Top element is standard A9-SS37CS (3/8" thk. carbon steel plate with 10p. type 304 stainless steel fully seal welded.)

**Design Options** - GA-50 Meehanite Slide Plates can be incorporated into either self-aligning spherical bearing and/or adjustable spherical bearing assemblies in place of AMMAX slide material for elevated temperature conditions.