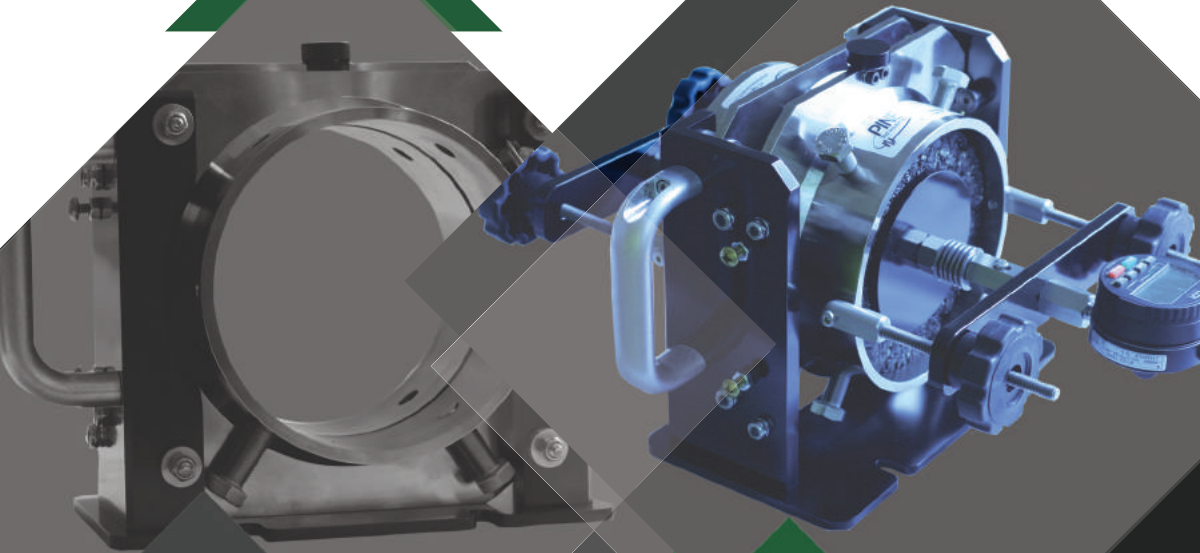


BOND STRENGTH FIXTURE



Universal

Understanding the shear forces that exist between pavement layers and the capacity of the tack coat to resist them is important for designing and constructing long lasting pavement systems. Pine's Bond Strength Breaking Head works on load frames made by various manufacturers and allows for varying specimen sizes, shear gap, load and applied force.

BOND STRENGTH FIXTURE



Specification:

Weight: ~40 lbs.
Width: 13.1" (with handles)
Height: 9.25" (with 1/16" clearance)
Depth: 20" (with Normal Force Kit)
Shear Gap: 1/32" - 3/4"

Design Development

Today's Bond Strength Shear Test Fixture is a result of Pine engineers responding to customer requests. Originally introduced in 2000, the fixture was designed to evaluate tack coat bond strength. The fixture was further refined in 2015 in response to customer requests.

Specimen Detail:

Size: 3.5 - 4", and 5.5 - 6" diameter
Mounting: Sleeves, Bolts, & Shims

Accessories:

- Normal Force Kit
- 4" sleeve with mounting bolts & shims

The fixture works on load frames made by various manufacturers including Pine's own 850 Test Press. Reducer sleeves and shim kits allow for various sized specimen testing. Pine developed a shim/bolt system to better position the specimen for proper alignment in the shear gap for testing. The universal design of this fixture makes it a good choice for tack coat bond strength shear testing.