

Zero Plates

Zero Plates are available as uncoated precision machined steel or aluminum (6061-T6) in a variety of plate sizes.

Order Guide

Order Code	Ideal for	Type	Plate Size
STDZSTL	PosiTector 6000 F, FS, FRS, FN, FNS, FNRS, FXS, FNDS, F microprobes PosiTest DFT Ferrous Combo	Steel	Small Disk Diameter: 38 mm (1.5")
STDZALM	PosiTector 6000 N, NS, NAS, NRS, FN, FNS, FNRS, FNDS, N microprobes PosiTest DFT Combo	Aluminum	Small Disk Diameter: 38 mm (1.5")
STDZSTLM	PosiTector 6000 FT, FTS, FTRS, FNTS, FKS, FHXS probes	Steel	Medium Square 100 mm x 100 mm x 6 mm (4" x 4" x 0.25")
STDZALMM	PosiTector 6000 FNTS, NKS probes	Aluminum	Medium Square 100 mm x 100 mm x 6 mm (4" x 4" x 0.25")
STDZSTLL	PosiTector 6000 FLS, FJS, FNGS probes	Steel	Large Square 180 mm x 180 mm x 6 mm (7" x 7" x 0.25")

What are zero plates used for?

Use with Certified Coated Metal Standards

Coated Metal Standards for magnetic and eddy current gages usually include an uncoated zero plate. The first gage measurement is taken on the zero plate to verify that the gage measures zero correctly. If not, electronic gages can usually be adjusted to "0" on the zero plate. After this adjustment is performed, the gage should measure within tolerance on the coated standards.

Use with certified and non-certified plastic shims and polystyrene blocks

A zero plate provides a convenient base onto which plastic shims and polystyrene blocks can be placed for verification purposes. Check zero, adjust to "0" if necessary, then place the shim/block on the zero plate and measure.

Substitute as a base for materials without a substrate

Zero plates can be used to provide a substrate where none exists. Large sheets of material such as paper, plastic, fabric and rubber can be measured with a coating thickness gage by placing the material over the zero plate. This is useful when the measured item is too large to access with a micrometer or other device. For example the screen printing industry uses zero plates to measure the thickness of the "substrate" being printed.



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