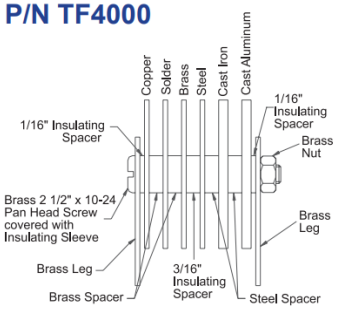
ASTM Engine Coolant Test Apparatus

Standardized Corrosion Test Bundles, Heat Transfer Specimens & Cavitation Test Buttons

As an authorized Metal Samples distributor, Imotron supplies precision-manufactured test apparatus and corrosion coupons in accordance with ASTM standards for evaluating engine coolants under glassware, simulated service, actual vehicle service, heat transfer, and vibratory cavitation conditions.

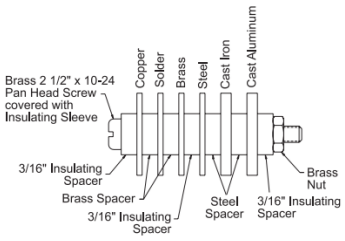
1. Test Apparatus & Specialized Specimens

P/N TF4000



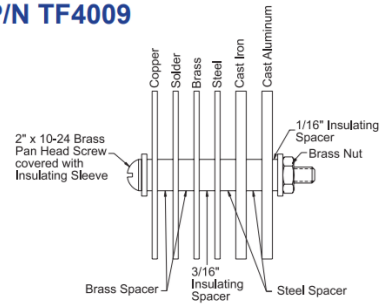
ASTM D1384 corrosion test bundle for testing engine coolants in glassware.

P/N TF4006



ASTM D2570 simulated service corrosion test bundle for testing engine coolants.

P/N TF4009



ASTM D2847 method for evaluation of engine coolants in actual vehicle service.

Part Number	Standard / Product	Application & Technical Description
P/N TF4000	**ASTM D1384 Test Bundle**	Corrosion test bundle for testing engine coolants in glassware.
P/N TF4006	**ASTM D2570 Test Bundle**	Simulated service corrosion test bundle for testing engine coolants.
P/N TF4009	**ASTM D2847 Test Bundle**	Test bundle for evaluation of engine coolants in actual vehicle service.
P/N TF4005	**AL319 Cast Aluminum Specimen**	AL319 cast aluminum specimen with two 1/8" diameter holes 45 degrees apart for thermocouple leads and a 600-grit finish on one side. Used in conjunction with P/N TF2424 in heat transfer corrosion testing. Other materials available at your request.
P/N TF4012	**ASTM G32 Cavitation Erosion Buttons**	ASTM G32 vibratory cavitation erosion test buttons. Available in AL319 cast aluminum and grey cast iron.

2. Engine Coolant Testing Parts & Replacement Coupons

Individual test bundles, multi-metal coupons, insulating spacers, and brass hardware components can be ordered separately using the part numbers below.

Part Number	Description	Part Number	Description
TF4000	D1384 Test Bundle	CO1464273504100*	Solder Coupon (30/70)
TF4006	D2570 Test Bundle	CO1464270504100	Brass Coupon (CDA260)
TF4009	D2847 Test Bundle	CO1463780504100	Steel Coupon (C1020)
TF4000A	Brass Leg	CO337B930504100	Grey Cast Iron Coupon (CL3500)
TF4000C	Insulating Sleeve (TFE)	CO3373130504100	Cast Aluminum Coupon (AL319)
TF4000D	Steel Spacer	ST1253783	1/16" Insulating Spacer (TFE)
TF4000E	Brass Spacer	09369E1024HN0000	10-24 Brass Nut
TF4000F	3/16" Insulating Spacer (TFE)	09369E1024PH2000	2" × 10-24 Brass Pan Head Screw
CO1464190504100	Copper Coupon (CDA110)	09369E1024PH2500	2-1/2" × 10-24 Brass Pan Head Screw

***Solder Coupon Note:** Solder Coupon (30/70) is solder-coated brass. Please specify if you require pure solder.

ASTM Compliance Notice: Metal Samples manufactures test apparatus in accordance with ASTM standards. Metal Samples does not conduct test procedures and therefore does not attempt to address testing considerations. Please consult ASTM standards for safety guidelines and additional information regarding testing procedures.

Order Standardized ASTM Coolant Test Bundles & Coupons
Contact Imotron Instruments for complete ASTM D1384, D2570, D2847, and G32 test assemblies, replacement coupons, and custom alloy specimens.