

DEBRIS SHIELDS

2910 Series

Test space enclosures or protective shields are sometimes a necessary accessory depending on the type of specimen being tested. Violent failures of specimens are common when testing rebar, cable, composites, rock, or any other material that shatters or creates projectiles upon failure.

PRINCIPLE OF OPERATION

Depending on the frame model, the enclosure/shield is either bolted directly to the frame or is a free-standing enclosure that completely surrounds the test frame. Some frames require a separate front and back enclosure to completely enclose the test space, though sometimes a rear enclosure is not necessary. When supplied without interlocks, the enclosure does not interrupt operation or interface with the control system.

When dictated by a procedure or directive, door interlocks can be integrated into the enclosure/shield door. This will require that the door(s) be closed prior to starting a test and will interrupt the test in the event that the door is opened during a test. When used with Instron® testing software that allows a test to be paused, access is allowed to the test space at specific points during the test to allow removal of extensometry without halting the test.

APPLICATION RANGE

- Anodized extruded aluminum frame for superior strength and looks while minimizing weight.
- Clear Lexan® panels for observation during the test
- Access doors to allow operator access
- Available with or without door safety interlocks

SAFETY NOTE

For certain applications, test space enclosures or other safety devices, such as protective shielding, warning signs and methods of restricting access to the equipment, are recommended. A range of protective shields are available. Instron will be glad to provide advice and quotations for additional safety methods.



SPECIFICATIONS

Catalog Number	Description	Accessory Width		Accessory Height	
		mm	in	mm	in
2910-062	Debris Shield for Floor Mounted Testing Machines For use with Models 3382, 3384, 3385H, 34FM, 4481, 4482, 4484, 4485, 5581, 5582, 5584, 5585, 5585H, 5881, 5882, 5884, 5885, 5885H, 5982, 5984, 5985, 5985, and 68FM load frames.	749	29.5	915	36
2910-074	Debris Shield for Table Mounted Testing Machines Use with model 336X (dual T-slot column cover style only), 34TM, 446X, 556X, 586X, 596X, 68TM dual column table top, standard width load frames only.	568	22.4	1,000	39.4

ACCESSORIES FOR USE WITH DEBRIS SHIELDS

Catalog Number	Description	Notes
2910-111 ¹	Interlock Switch Wired to FIB	Requires 2910-114 or 2910-113
2910-114	Mounting bracket for interlock switch on 2910-062	Requires 2910-111
2910-113	Mounting bracket for interlock switch on 2910-074	Requires 2910-111

Notes:

1. Compatible only with BH3.67 or higher

Mode of operation for 2910-111:

Mode 1: Door Open: Allows jogging, disallows starting a test.

Mode 2: Door Open: Disallow jogging and starting a test.



Debris Shield on a Floor Model



Debris Shield on a Table Mounted System



Debris Shield open on a Table Mounted System

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