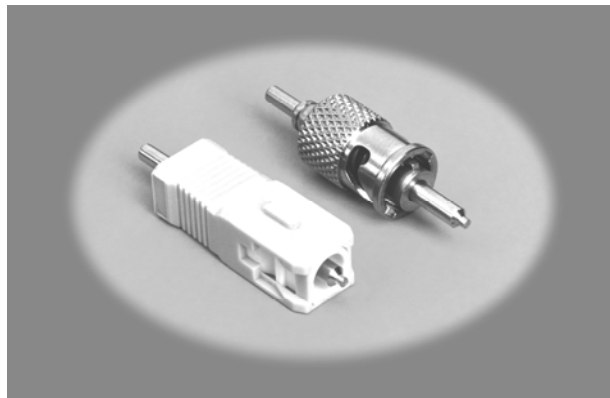![VALDOR FIBER OPTICS logo]

ST / SC IMPACT MOUNT® CONNECTORS
For both multimode & single-mode applications

Features and Benefits

- NO epoxy or index matching gel
- All-mechanical
- Minimum fiber stripping (1/4")
- Wrap ferrule tip around fiber - quick polishing within seconds with no epoxy
- Mounted with all-positive-stop mechanical tool
- Field installable and user-friendly (two minute installation)
- Stable readings with little variation
- Long-term usage, minimal replacement
- Green technology – no hazardous fumes

Applications

- Data / Telecom
- FTTx
- Mining
- Oil exploration
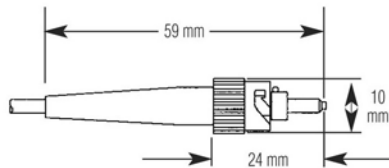- Security equipment
- Aerospace / Military
- Industrial

Impact Mount® Technology Concept

The mounting process is accomplished in three easy steps:
- Impact Mount tool dynamically compresses the metal ferrule tip around the fiber.
- Crimp buffer at the rear of the connector.
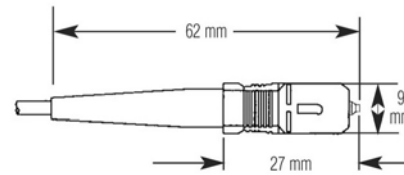- Polish end of ferrule within 20 seconds.

Note: Additional crimping for Kevlar cables provides further stability and strength.

Physical Dimensions (mm)

ST Impact Mount® Connector

SC Impact Mount® Connector

Performance Specifications

ST/SC IMPACT MOUNT® CONNECTOR	ST		SC	
for both multimode and single-mode applications	Multimode	Singlemode*	Multimode	Singlemode*
Fiber O.D. (Nominal)	125,140,& 230 micron	125 micron	125,140,& 230 micron	125 micron
Cable O.D. (Nominal)	2mm/3mm	2mm/3mm	2mm/3mm	2mm/3mm
Insertion Loss (dB) typical	0.3 dB	0.5 dB	0.3dB	0.5 dB
Repeatability (100) Reconnects	<0.5 dB	<0.5 dB	<0.5 dB	<0.5 dB
Pull Strength, Minimal: Kevlar/Buffer	40 lb / 2 lb	40 lb / 2 lb	40 lb / 2 lb	40 lb / 2 lb
Temperature cycling: -40C to 80 C	0.3 dB max. change	0.3 dB max. change	0.3 dB max. change	0.3 dB max. change
Connector Materials: Ferrule Housing	Metal Metal	Metal Metal	Metal Plastic	Metal Plastic
Mounting time	<2 min	<2 min	<2 min	<2 min
Interconnection Compatibility	Compatible to other ST/SC connectors			

Ordering Information

Valdor Impact Mount® Field Termination Kit is required.

P/N	Description
190-1125	ST Impact Mount® connector, multimode
191-1125	ST Impact Mount® connector, single-mode
190-2125	SC Impact Mount® connector, multimode
191-2125	SC Impact Mount® connector, single-mode
	IMT Universal Field Termination Kit
195-1412 or	ST/SC Universal Basic Hand Tool Kit
195-1413	ST/SC/SP Universal Basic Hand Tool Kit
544-9999-x	Accessory Package

Pigtail/cable assemblies are also available.

Technical Information

Please contact our office at:
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