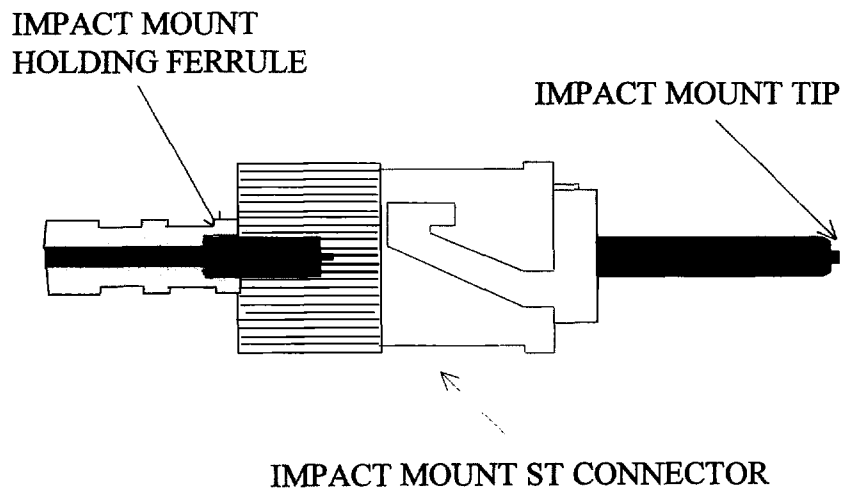


AMPHENOL® *IMPACT MOUNT™* TECHNOLOGY
FOR
EPOXYLESS FIBER OPTIC CONNECTORS

PREMIUM MIL-ST-22 CONNECTOR



FEATURES AND BENEFITS

- Epoxyless connector ideal for both single fiber and fiber bundle applications
- Compatible with all silica and plastic fibers
- Field installable for quick repair and maintenance
- Superior performance in high temperature environments
- Ideal for high energy laser delivery applications
- Ideal for fluorescent applications - eliminates UV "noise"
- Vibration resistant
- Radiation resistant
- Eliminates gap between fiber tip and connector
- Single connector handles a range of fiber sizes
- Miniaturization capability
- Epoxyless miniature lens mounting capability
- Standard and custom-designed connectors readily available
- Easy installation, no intensive training required
- Termination kit includes basic Impact Mount™ Tool and Crimp Tool plus other standard accessories

ST is a registered trademark of AT&T.
Impact Mount is a trademark of Valdor Fiber Optics

APPLICATIONS

Military :

- Avionics
- Data Communication
- Telecommunications
- Aerospace

Industrial :

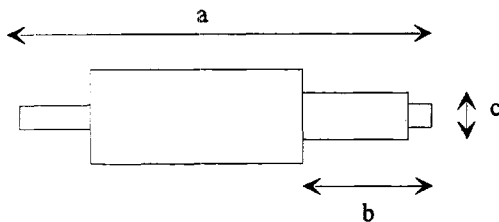
- Avionics
- Automobiles
- Test Equipment
- Illuminations
- Sensors

TECHNOLOGY CONCEPT

The mounting process is accomplished by:

- 1) Mounting of holding ferrule
 - a. Crimp buffer at the rear of the holding ferrule.
 - b. Impact Mount fiber at the tip of holding ferrule.
- 2) Mounting of holding ferrule and fiber to the connector
 - a. Crimp holding ferrule at the rear of the connector.
 - b. Impact Mount fiber at the tip of the connector.

* Additional crimping for Kevlar cables provides further stability and strength



DIMENSIONS

	SMA	ST
a) Total length	1.2"	1.2"
b) Ferrule length	.386"	.315"
c) Ferrule diameter	.1246"	.0985"

SPECIFICATION

	MINIMUM	TYPICAL	MAXIMUM
OPERATING TEMPERATURE	- 40 C	25 C	75 C
INSERTION LOSS	--	0.6 dB	1.0 dB
TENSILE LOAD	--	5 lb	15 lb

ORDERING INFORMATION

TYPE	SIZE NO.	FIBER O.D. RANGE	TYPE	SIZE NO.	FIBER O.D. RANGE
AIT/	006	125 - 150 um	AIT/	024	475 - 600 um
AIT/	008	150 - 200 um	AIT/	030	575 - 750 um
AIT/	011	200 - 275 um	AIT/	040	750 - 1000 um
AIT/	013	250 - 325 um	AIT/	063	1000-1500 um
AIT/	017	300 - 425 um	AIT/	074	1500-1850 um
AIT/	020	400 - 500 um	AIT/	080	1850-2000 um

Example: AIT/MIL-ST-22/006 = ST connector for fiber size of O.D. 125 to 150 microns.

Note: Connector termination requires Amphenol *Impact Mount™* Kit. (AIT/Kit™)