

# Professional Microphone Accessories

## AT8416 MICROPHONE SHOCK MOUNT



### Description

The Audio-Technica AT8416 shock mount effectively isolates mounted microphones from impact vibration and shock handling noise. It is intended for use with microphones mounted on lecterns, pulpits, conference tables and similar surfaces. Designed especially for UniPoint® gooseneck microphones, it may be used with other lightweight microphones as well.

The use of a shock mount is particularly important in any application where wide-range sound equipment is used, and where high-level low-frequency sounds can be expected.

The AT8416 shock mount system utilizes two oversize chloroprene rings, similar to rubber bands. The rings are mounted transversely.

An aluminum mounting stud with  $\frac{5}{16}$ "-27 threads is held in the central cavity formed by the opposing bands, thereby "floating" the shock mount assembly, and isolating it from mechanical coupling to the resonating surface. A slot is provided in the mounting flange to allow a small-diameter cable to pass down the mounting hole. A cable channel secures the cable in the flush mount assembly and helps to further deaden the transmission of vibration.

When properly installed, the AT8416 isolates the microphone from contact with the mounting surface, and eliminates pickup of low-frequency resonances caused by mechanical coupling. This generally allows higher sound reinforcement levels and higher gain-before-feedback.

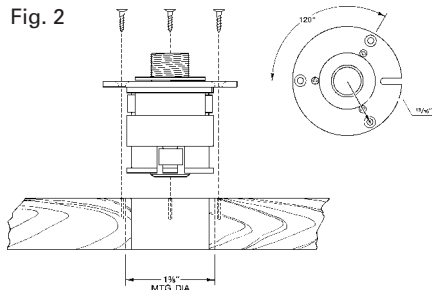


### Installation

**$\frac{5}{16}$ "-27 Mount:** Drill a  $1\frac{3}{8}$ " hole at the desired point in the mounting surface. Screw the base of the microphone onto the threads of the mounting stud. Drop the microphone cable down through the hole in the mounting surface, making certain the cable is captured by the slot in the mounting flange and is in place in the cable channel along the side of the shock mount (Fig. 1).

Leave some slack in the cable between the mic and the mounting flange; pulling the cable snug will "bypass" the suspension. Set the shock mount in place, with the cable slot away from the "front," and secure with the three screws provided (Fig 2).

Fig. 2



**Plug-in Mount:** Drill a  $1\frac{3}{8}$ " hole at the desired point in the mounting surface. Run the XLRF connector of the microphone cable up through the hole. Remove the mounting stud from the AT8416 and insert the XLRF connector up through the chloroprene rings (Fig. 3). Secure the shock mount with the three screws (as in Fig. 2). Attach the XLRF connector to the microphone and work the connector body back down into the shock mount (Fig. 4).

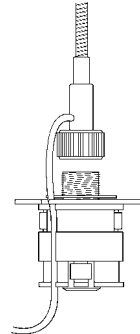


Fig. 1

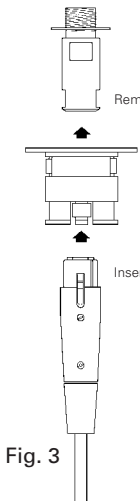
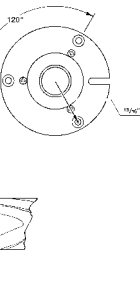


Fig. 3

Since the design of the shock mount "floats" the microphone, with no rigid, fixed position, take care to center the mounting stud (or connector) in the shock mount cavity. This will ensure that the microphone stands upright. If the microphone still leans to one side after installation, the mounting stud or connector can be repositioned without damage.

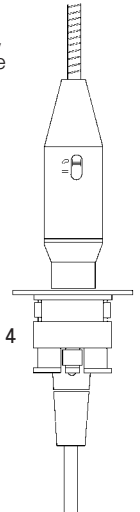


Fig. 4

### AT8416 SPECIFICATIONS

DEPTH	
MOUNTING FLANGE	0.08" (2 mm)
BODY	1.26" (32 mm)
DIAMETER	
MOUNTING FLANGE	2.01" (51 mm)
BODY	1.34" (34 mm)
MOUNTING STUD	0.71" (18 mm)
WEIGHT	
	2.5 oz (71 grams)
SUSPENSION SYSTEM	
	2 chloroprene rings

### One-Year Limited Warranty

Audio-Technica microphones and accessories purchased in the U.S.A. are warranted for one year from date of purchase by Audio-Technica U.S., Inc. (A.T.U.S.) to be free of defects in materials and workmanship. In event of such defect, product will be repaired promptly without charge or, at our option, replaced with a new product of equal or superior value if delivered to A.T.U.S. or an Authorized Service Center, prepaid, together with the sales slip or other proof of purchase date. **Prior approval from A.T.U.S. is required for return.** This warranty excludes defects due to normal wear, abuse, shipping damage, or failure to use product in accordance with instructions. This warranty is void in the event of unauthorized repair or modification.

**For return approval and shipping information,** contact the Service Department, Audio-Technica U.S., Inc., 1221 Commerce Drive, Stow, Ohio 44224.

Except to the extent precluded by applicable state law, **A.T.U.S. will have no liability for any consequential, incidental, or special damages; any warranty of merchantability or fitness for particular purpose expires when this warranty expires.**

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.



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Outside the U.S.A., please contact your local dealer for warranty details.