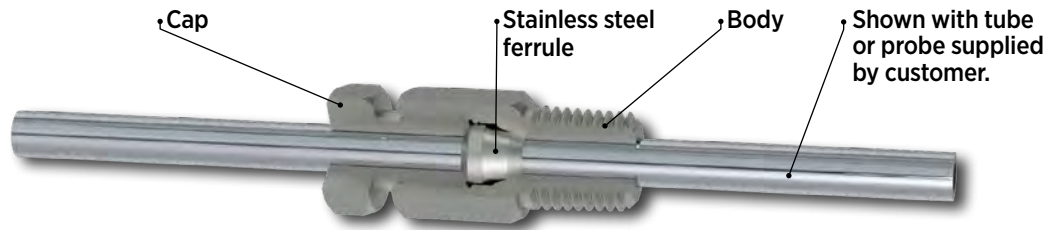


MK Metal-to-metal sealing



Conax Technologies Model MK Midlock Fittings seal a single tube or probe. Featuring a metal-to-metal seal rather than our standard soft sealant technology, MK Fittings are used where a joint must be opened and resealed in the same setting. Their unique design forms the seal well within the body housing to provide superior performance in high vibration applications.

The MK Fitting uses compression to deform a stainless steel ferrule against the tube/probe without cutting the sheath surface. A slight deformation of the tube/probe surface may occur, however. MK Fittings are freely adjustable until first tightened. After that, they may be opened and resealed at that fixed immersion depth.

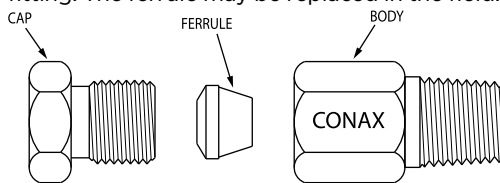
The rugged reusable body and ferrule are constructed from 303 SST standard. (For information on body materials, see page 9.) The single ferrule is self-aligning to prevent lost pieces.

Standard assemblies use Cap Style A with a mounting thread only. Please consult a Conax Technologies sales engineer for custom needs.

- Temperature Range: Cryogenic to +1600 °F (+870 °C)
- Pressure Range: Vacuum to 10,000 PSIG (690 bar)—all models.

Accessories

The replaceable ferrule permits repeated use of the same fitting. The ferrule may be replaced in the field.



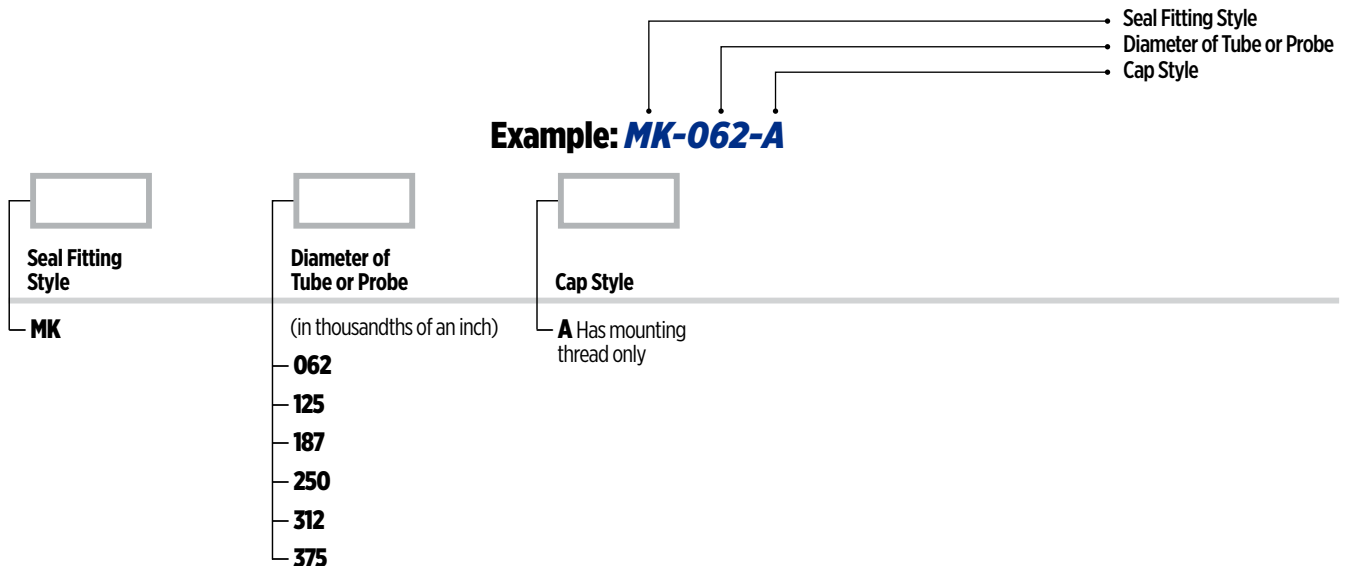
Fittings are supplied factory lubricated. If fittings are cleaned prior to assembly or when reused, the fittings should be relubricated to maintain the published torque and pressure ratings. See page 109 for information on our lubrication kit.

To order a Replacement Ferrule, order Ferrule, MK - (Diameter).

Example: Ferrule, MK-062

Catalog Numbering System

Example: **MK-062-A**



Specifications

MK Series Catalog Number	Tube/Probe Diameter		Thread NPT	Length		Hex Size				Pressure Rating	
	IN	MM	IN	Length A		Body	Cap	Body	Cap	PSIG	BAR
				IN	MM	IN	IN	MM	MM		
MK-062-A	0.062	1.57	1/8	1.19	30.2	0.500	0.500	12.7	12.7	10,000	689
MK-125-A	0.125	3.18	1/8	1.19	30.2	0.500	0.500	12.7	12.7	10,000	689
MK-187-A	0.187	4.75	1/8	1.19	30.2	0.500	0.500	12.7	12.7	10,000	689
MK-250-A	0.250	6.35	1/4	1.63	41.3	0.625	0.625	15.9	15.9	10,000	689
MK-312-A	0.312	7.92	1/2	2.00	50.8	1.000	0.750	25.4	19.1	10,000	689
MK-375-A	0.375	9.53	1/2	2.00	50.8	1.000	0.750	25.4	19.1	10,000	689

Note: The pressure and torque ratings provided in this catalog apply only when bores are drilled by Conax Technologies. Custom bore sizes and/or a blank body, follower and/or sealant may be provided. Consult factory.

All pressure and torque ratings were determined at 68 °F (20 °C) using stainless steel rod as the element. Pressure ratings may degrade at higher temperatures. Pressure rating guide values are provided for fittings with elements restrained by the compressed sealant. Higher pressure may be attained with additional element restraints. Tolerance of tube or probe diameter is ±0.005. Deviation from the nominal may affect pressure ratings. Standard OD tolerance of pipe is +0.015"/-0.031". Consult factory for details. For proper assembly of these seal fittings, see the Assembly Instructions provided on pages 112-126.

MK fittings may be supplied with Autoclave Engineers' metal to metal cone seal for higher pressure ratings than when used with an NPT process connection. Please contact Conax for design assistance.



MK SERIES

