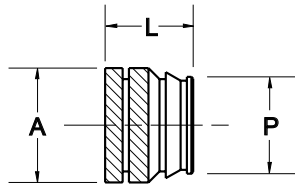
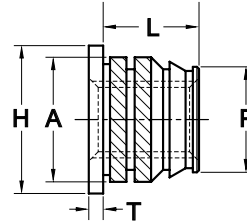


Series 19 Short



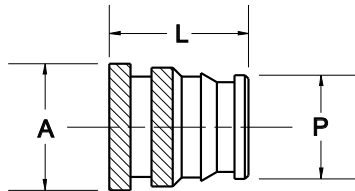
Series 20 Short



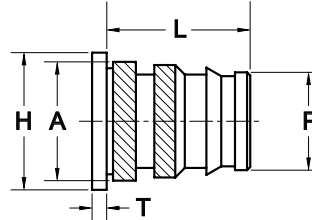
DIMENSIONAL DATA

Thread Size		A	A	P	L	L	T	H	Recommended Hole Diameter +.003
Unified	Metric	Short	Long		Short	Long			
2-56	M2	.141	.143	.123	.125	.157	.018	.185	.126
4-40	M2.5 M3	.182	.187	.154	.140	.226	.021	.216	.157
6-32	M3.5	.213	.218	.185	.150	.281	.027	.247	.188
8-32	M4	.246	.251	.218	.185	.321	.033	.278	.221
10-24 10-32	M5	.277	.282	.249	.250	.375	.040	.310	.252
1/4-20	M6	.340	.345	.312	.312	.500	.050	.372	.315
5/16-18	M8	—	.407	.374	—	.500	.050	.435	.377

Series 19 Long



Series 20 Long





INTERNATIONAL

Application Engineering



SPIROL Application Engineers can recommend the total assembly solution. In this case, a versatile Model PH Platen Style Heat Insertion System is used to simultaneously install twelve Inserts into six different molded plastic electrical conduit components.

Each application has unique considerations such as the specific plastic type in which the Insert will be used, torque and tensile requirements, corrosion resistance, temperature requirements, and installation method. Even though this catalog offers a lot of useful information regarding design guidelines and specifications for Brass Inserts for Plastics, it is imperative that the proper Insert be chosen for each particular application to ensure that joint integrity is maintained throughout the life of the product.

SPIROL's Application Engineers have over 30 years of experience in Insert design, production techniques, and installation methods to maximize the benefits of the Insert in the application. This knowledge, obtained both from theory and practical experience, is tested and expanded continuously in actual applications. The breadth of our product offering combined with this engineering expertise is our strength.

Starting with our customer's objective to meet specific requirements at the lowest cost, our Application Engineers will determine the best Insert for the application. Consideration is given to component design, assembly costs, and manufacturing objectives. A copy of the Engineering Report is provided with each formal proposal. **SPIROL** may also provide documented performance test reports and installation criteria upon request.

Although standard Inserts are always considered first, sometimes special diameters, threads, knurl configurations or materials are required to offer the greatest economic benefit based on the specific application requirements. **SPIROL's** Application Engineers will examine each possibility in order to design the most cost-effective solution.

One way to start the process is to access our Optimal Application Engineering portal at www.SPIROL.com.

CHALLENGE US!

ISO/TS 16949:2009 Certified
ISO 9001:2008 Certified

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