

# Swage(d) Nipples and Bull Plugs

**Standard Practice**  
Developed and Approved by the  
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The U.S. customary units and SI (metric) units in this Standard Practice are regarded separately as the standard; each should be used independently of the other. Combining or converting values between the two systems may result in non-conformance with this Standard Practice.

**This Standard Practice has been substantially revised from the previous 2014 edition. It is suggested that if the user is interested in knowing what changes have been made, that direct page by page comparison should be made of this document and that of the previous edition.**

Non-toleranced dimensions in this Standard Practice are nominal unless otherwise specified.

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## FOREWORD

This document establishes a Standard Practice for Swaged (also known as Swage) Nipples and Bull Plugs, produced for a number of years by various manufacturers to varying dimensions, although basically similar in principle. Users should note that Swaged Nipples, and Bull Plugs furnished from existing stocks may have slightly different dimensions than shown herein.

The values stated in either inch units or metric units are to be regarded separately as the standard. The values stated in each system are not exact equivalents and must be used independently of the other. Combining values from the two systems may result in non-conformance with the standard. Within the text, the SI (metric) units are shown in parenthesis or within applicable tables.

Table 1 through Table 3 shows fittings with dimensional requirements and tolerances in U.S. customary (i.e., inch) units. Table 1M through Table 3M show the dimensional fitting requirements and tolerances in SI (metric) (i.e., millimeter) units.

**GENERAL NOTE:** The drawings included within this Standard Practice are for the purpose of illustration only and are not intended to exclude or limit any other design meeting this Standard Practice.