

## FOREWORD

The AISI Steel Bar Product Guidelines has been authored by the AISI Bar Applications Group. The information contained in the Guidelines represents the manufacturing practices and related technical information of the Group members. These practices have evolved from the utilization of available raw materials and manufacturing methods to produce steel products to meet the requirements of purchasers' specifications and standards. Improved manufacturing methods and new products continue to evolve, and purchasers are encouraged to contact the individual steel bar producers for further information.

AISI is not a standards-writing body and the Steel Bar Product Guidelines should not be considered, nor referred to, as a standard. References may appear elsewhere to "AISI Standard Steels." These refer only to chemical compositions and were derived earlier this century by the automotive and steel industries. Rather, users are encouraged to specify SAE or other steel grades from recognized public standards-writing bodies. SAE and ASTM are frequently referred to in the Guidelines and these organizations may be contacted for further information.

SI units of measurement are included in the Steel Bar Product Guidelines. SI units are those adopted by the General Conference of Weights and Measures (CGPM) of the *Système Internationale d'Unites*. The SI values shown throughout the Guidelines are generally the calculated (soft converted) equivalents of the U.S. Customary Units and, therefore, may be approximate. Unique (hard converted) SI values are provided in the Guidelines as provided in ASTM A29/A29M and A311/A311M standards.

It is the hope of the AISI Bar Applications Group that Steel Bar Product Guidelines, Alloy, Carbon and Microalloy Steels: Semifinished, Hot Rolled Bars, Cold Finished Bars and Hot Rolled Deformed and Plain Concrete Reinforcing Bars will be of service to users of steel products, to professors of engineering and their students and to the general public. Comments and suggestions from any source are welcome.

Bar Applications Group of American Iron and Steel Institute

Inland Steel Bar Company  
North Star Steel Company  
Republic Engineered Steels Inc.  
Stelco Inc.  
The Timken Company  
USS/Kobe Steel Company