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WROUGHT ALLOY STEELS— STANDARD AND HARDENABILITY (H) SERIES

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Standard and Hardenability—H Series) . . . NSG GP 95]



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Australian Foundry Institute
Bureau of Steel Manufacturers of Australia
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Department of Defence
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AUSTRALIAN STANDARD

**WROUGHT ALLOY STEELS—
STANDARD AND
HARDENABILITY (H) SERIES**

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PREFACE

This edition of this standard was prepared by the Association's Committee on Iron and Steel by its subcommittee on carbon and alloy steels. It applies in particular, to wrought alloy steels for general engineering purposes, supplied in the form of hot-rolled, bright and cold-sized bars for machining, bars, blooms, billets and slabs for forgings, and as forgings to specified chemical composition only (standard series) or to specified chemical composition and subject to end quench hardenability requirements (H series).

The stainless steel grades have been eliminated from this standard and are now included in a separate standard. In addition, grades 8115H and X9315H have been added to the standard, and standard series grades X1320, X3312, 5120, 52100, 8617 and 8622 have been added to Table 2.1. Definitions of bars, billets, blooms and slabs have been based on those adopted by ISO/TC17/SC2, Terminology, Classification and Designation of Steel. Appendix A presents purchasing guidelines, and directs attention to matters requiring consideration at the time of enquiry and/or order.

Information regarding the mechanical properties which can be obtained from a number of grades supplied to chemical composition is contained in the following specifications:

ASTM A 434 Quenched and Tempered Alloy Bars, Hot-rolled or Cold-finished
ASTM A 400 Recommended Practice for Selection of Steel Bar Compositions
According to Section

Those requiring information on welding of steel are referred to the steel manufacturer, or to the Australian Welding Research Association's Technical Note 1, The Weldability of Steels.

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