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WELDING, BRAZING AND CUTTING OF METALS—GLOSSARY OF TERMS

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Australian Welding Institute
Australian Welding Research Association
Bureau of Steel Manufacturers of Australia
Confederation of Australian Industry
CSIRO, Division of Manufacturing Technology
Department of Defence
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PREFACE

This standard was prepared by the Association's Committee on Welding Definitions and Symbols. It supersedes AS Z5, Glossary of Metal Welding Terms and Definitions, Part 1—1968—General Terms for Welding, Brazing and Cutting. It provides definitions of terms used in connection with welding, brazing, and cutting of metals. Process abbreviations which are commonly used in industry, e.g, MMAW, are included.

The standard is intended to serve as a basis for securing uniformity in terminology in the welding industry, standards, and welding education throughout Australia.

Major technical changes which have been introduced in this standard include the addition of several new terms particularly in relation to health and safety, and to new processes such as 'laser-beam welding'.

Terms and definitions relating to processes in general have been grouped in a separate section. These terms are repeated in other sections, as appropriate.

The layout of the previous edition has been retained so that terms relating to various processes are listed and defined in individual sections. However, the terms in each section have been arranged in a purely alphabetical sequence.

Figures illustrating more than one term or repeated terms have been grouped in an appendix. This arrangement was made to facilitate reference to these figures. Figures showing derivation of various processes are included.

In some cases, more than one term is listed. The first term (printed in bold type) should be regarded as the preferred term.

An alphabetical index of all defined terms completes the standard.

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