

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

  
  

[Save](#)

[Resource detail](#)

[Citations](#)

## AS 1665-1992 Welding of aluminium structures

[View on Information Provider website](#)

### Abbreviation

AS 1665-1992

### Valid from

16/04/1992

---

### Information provider

SAI Global

### Author

Standards Australia

### Information type

Australian Standard

### Format

PDF, Hard copy

---

### Cited By

[This resource is cited by 1 document \(show Citations\)](#)

---

### Description

This Standard sets out the requirements for the fusion welding of aluminium structures and equipment by inert-gas arc welding processes.

The Standard provides for three categories of butt welds and one category of fillet weld. Tables of aluminium alloys suitable for welding, details of welded connections, methods of qualification of procedures and personnel, workmanship, weld quality and inspection requirements are included.

Appendices are also included as a checklist of matters for discussion and guidance on the selection and extent of non-destructive examination.

### Scope

This Standard is intended principally for use in conjunction with AS 1664. Additionally the Standard may be used for all welded aluminium constructions, other than those constructed in accordance with AS 1200. The Standard applies to the following manual, semi-automatic, and automatic methods of welding:

- (a) Gas tungsten-arc (GTA).
- (b) Gas metal-arc (GMA).
- (c) Pulsed-arc (GTA or GMA).
- (d) Plasma-arc.

The Standard is not intended to apply to the resistance welding, brazing or soldering of aluminium. NOTE: A checklist of matters

for discussion between the principal and fabricator is given in Appendix E.

For assistance with locating previous versions, please contact the information provider.

[View on Information Provider website](#)

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

## AS 1665-1992 Welding of aluminium structures

This document is CITED BY:

- [AS/NZS 1664.1:1997](#)

AS 1665-1992 is cited by AS/NZS 1664.1:1997 Aluminium structures - Limit state design

## AS 1665-1992 Welding of aluminium structures

### Description

This Standard sets out the requirements for the fusion welding of aluminium structures and equipment by inert-gas arc welding processes.

The Standard provides for three categories of butt welds and one category of fillet weld. Tables of aluminium alloys suitable for welding, details of welded connections, methods of qualification of procedures and personnel, workmanship, weld quality and inspection requirements are included.

Appendices are also included as a checklist of matters for discussion and guidance on the selection and extent of non-destructive examination.

[View on Information Provider website](#)

[AS 1665-1992 Welding of aluminium structures](#)

### Description

This Standard sets out the requirements for the fusion welding of aluminium structures and equipment by inert-gas arc welding processes.

The Standard provides for three categories of butt welds and one category of fillet weld. Tables of aluminium alloys suitable for welding, details of welded connections, methods of qualification of procedures and personnel, workmanship, weld quality and inspection requirements are included.

Appendices are also included as a checklist of matters for discussion and guidance on the selection and extent of non-destructive examination.

[View on Information Provider website](#)

This resource does not cite any other resources.

## AS 1665-1992 Welding of aluminium structures

This resource does not CITE any other resources.

Back

Close

Table of Contents

Print

[Save](#)

Email

[Feedback](#)


- [Contact us](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Copyright](#)


[Feedback](#)