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BS 3894-1:1965 Method of converting elongation values for steel - Part 1: Carbon and low alloy steels

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Abbreviation

BS 3894-1:1965

Valid from

03/06/1965

Information provider

Standards New Zealand

Author

British Standards Institution

Information type

British Standard

Format

PDF

Cited By

[This resource is cited by 2 documents \(show Citations\)](#)

Description

This Standard gives a method of converting percentage elongations after fracture obtained on various proportional and non-proportional gauge lengths to other gauge lengths.

Scope

The formula of the conversions are based, is considered reliable when applied to carbon, carbon manganese, molybdenum and chromium molybdenum steels. Not applicable to cold reduced steels, quenched and tempered steels, or austenitic steels.

Whilst the conversions are considered to be reliable within the limitations and may generally be used for acceptance purposes, because of the various factors influencing the determination of percentage elongations, in cases of dispute the elongations shall be determined on the gauge length stated in the relevant material specification.

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- [NZS/BS 1387:1985](#)

BS 3894-1:1965 is cited by NZS/BS 1387:1985 Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or screwing to BS 21 pipe threads

- [NZS/BS 3601:1987](#)

BS 3894-1:1965 is cited by NZS/BS 3601:1987 Specification for carbon steel pipes and tubes with specified room temperature properties for pressure purposes

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