



Designation: ~~A 290 – 95 (Reapproved 1999)~~ 290 – 02

An American National Standard

Standard Specification for Carbon and Alloy Steel Forgings for Rings for Reduction Gears¹

This standard is issued under the fixed designation A 290; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope*

1.1 This specification covers normalized and tempered, and quenched and tempered carbon and alloy steel forged or rolled rings for reduction gears.

1.2 Several grades and classes of steel are covered as follows:

1.2.1 Grade 1 Classes A, and B, ~~C~~, Grade 2 Classes C and D are carbon steel.

1.2.2 Grade 3 Classes E, and F, Grade 4 Classes G, H, I, J, ~~K~~, K and L, ~~M~~, Grade 5 Classes M and P, and Grade 6 Class T are alloy steel.

1.2.3 All grades and classes are considered weldable under proper conditions. Welding techniques are of fundamental importance and it is presupposed that welding procedure and inspection will be in accordance with proper methods for the class of material used.

1.3 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

2. Referenced Documents

2.1 *ASTM Standards:*

A 275/A275M Test Method for Magnetic Particle Examination of Steel Forgings²

¹ This specification is under the jurisdiction of ASTM Committee ~~A-T~~ A01 on Steel, Stainless Steel and Related Alloys, and is the direct responsibility of Subcommittee A01.06 on Steel Forgings and Billets.

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*A Summary of Changes section appears at the end of this standard.