JAPANESE INDUSTRIAL STANDARD

Symbols of Forming Ratio for Steel Forging

JIS G 0701 - 1957

Translated and Published

by

Japanese Standards Association

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In the event of any doubt arising, the original Standard in Japanese is to be final authority.

JIS

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G 0701-1957 (Reaffirmed: 1988)

1. Scope

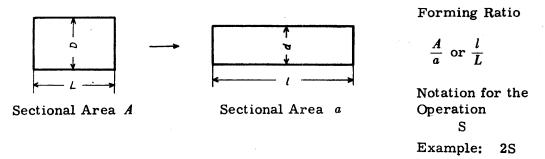
This standard specifies symbols of forming ratio for hot forged steel.

2. Forming Ratio

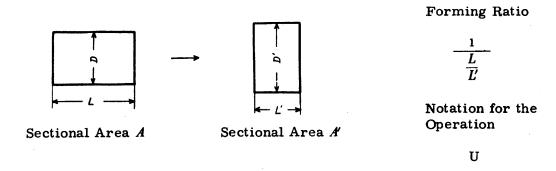
- 2.1 The forming ratio for steel forgings manufactured by various hot forging operations shall be denoted by the deformation ratio in the direction of the largest of three principal plastic strains.
- 2.2 The symbols of the forming ratio shall be, as a rule, suffixed with the designated notation corresponding to the forging operation and shall be clearly denoted in the order of working.

3. Designations and Symbols of Forming Ratio

3.1 <u>Solid Forging</u> The forging operation by which a solid reduces its sectional area and increases its length shall be designated as solid forging, of which the forming ratio shall be expressed as follows:



3.2 Upsetting Forging The forging operation by which a solid increases its sectional area and reduces its length shall be designated as upsetting forging, of which the forming ratio shall be expressed as follows:



Example: 1/2 U

When an upsetting operation is followed by a solid forging, the over-all forming ratio shall be expressed as follows: