

JIS

JAPANESE INDUSTRIAL STANDARD

Stainless steel bars

Ⓔ **JIS G 4303**—1991

Translated and Published

by

Japanese Standards Association

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



1. Scope

This Japanese Industrial Standard specifies the hot-finished stainless steel bars (round bars, square bars, hexagonal bars and flat bars, hereinafter generically referred to as the "bars").

Remarks 1. Applicable Standards in this Standard shall be as given in Attached Table 1.

2. Corresponding International Standards in this Standard shall be as follows.

ISO 683-13 : 1986 Heat-treatable steels, alloy steels and free-cutting steels—Part 13 : Wrought stainless steels

ISO 683-16 : 1976 Heat-treated steels, alloy steels and free-cutting steels—Part 16 : Precipitation hardening stainless steels

2. Grades and symbols

Bars shall be classified into 58 grades, and the symbols and classification thereof shall be as given in Table 1.

Table 1. Symbol of grade and classification

Symbol of grade	Classification	Symbol of grade	Classification
SUS201	Austenitic series	SUS329J1	Austenitic-ferritic series
SUS202		SUS329J3L	
SUS301		SUS329J4L	
SUS302		SUS405	Ferritic series
SUS303		SUS410L	
SUS303Se		SUS430	
SUS304		SUS430F	
SUS304L		SUS434	
SUS304N1		SUS447J1	
SUS304N2		SUSXM27	
SUS304LN		SUS403	Martensitic series
SUS304J3		SUS410	
SUS305		SUS410J1	
SUS309S		SUS410F2	
SUS310S		SUS416	
SUS316		SUS420J1	
SUS316L		SUS420J2	
SUS316N		SUS420F	
SUS316LN		SUS420F2	
SUS316Ti		SUS431	
SUS316J1		SUS440A	
SUS316J1L		SUS440B	
SUS317		SUS440C	
SUS317L		SUS440F	
SUS317LN			
SUS317J1		SUS630	Precipitation hardening series
SUS317J4L		SUS631	
SUS317J5L			
SUS321			
SUS347			
SUSXM7			
SUSXM15J1			

Remarks: When it is necessary to indicate with a symbol that the products are bars, the letter -B shall be suffixed to the symbol of grade.

Example: SUS304-B

3. Chemical composition

3.1 Ladle analysis value Bars shall be tested in accordance with 9.1 and the ladle analysis value thereof shall conform to Tables 2 to 6.

3.2 Product analysis value Bars shall be subjected, when required by the purchaser, to the product analysis test specified in 9.1 and the values of permissible variations in Table 4 of JIS G 0321 shall be applied. However, the values of elements and chemical components not specified in this table shall be as agreed upon between the parties concerned with delivery.