

NSSC SERIES

AUSTENITIC



## Non-Magnetic, High-Strength Austenitic Stainless Steel

### NSSC 130M

18Cr-6Ni-9Mn-0.3N

### Features and Applications

1. Can obtain hardness of more than HV500 through cold working.
2. Non-magnetic with permeability less than 1.01 after severe wire drawing.
3. Corrosion resistance to saltwater equal to that of SUS 304.
4. Cold working of more than 70% can be applied.

[ Applications ] Guide pins, Non-magnetic bolts, Non-magnetic clothing parts

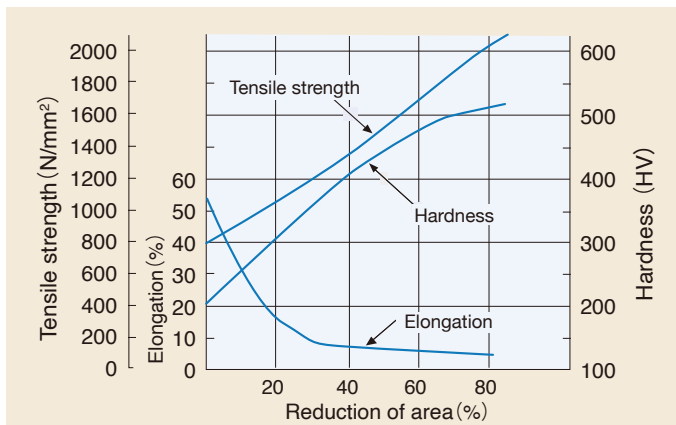
### Characteristics

[Mechanical properties] - after solution heat treatment -

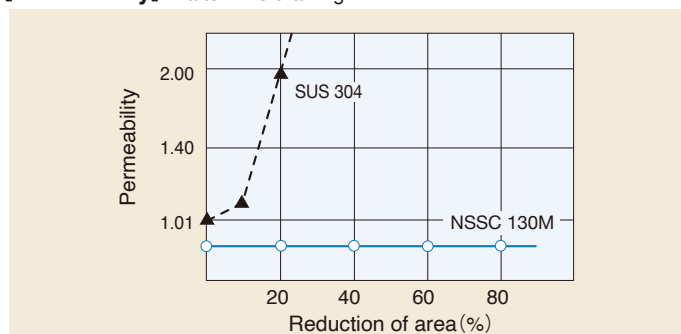
	Yield strength 0.2% offset N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>	Elongation %
Typical values	500	850	42.5

[Work hardening characteristics]

Relationship between reduction of area by wire drawing and mechanical properties



[Permeability] - after wire drawing -



**Notice:** "NSSC" is a trademark of NIPPON STEEL CORPORATION. While every effort has been made to ensure the accuracy of the information contained within this publication, the use of the information is at the reader's risk and no warranty is implied or expressed by NIPPON STEEL CORPORATION with respect to the use of the information contained herein. The information in this publication is subject to change or modification without notice. Please contact the NIPPON STEEL CORPORATION office for the latest information. Please refrain from unauthorized reproduction or copying of the contents of this publication. The names of our products and services shown in this publication are trademarks or registered trademarks of NIPPON STEEL CORPORATION, affiliated companies, or third parties granting rights to NIPPON STEEL CORPORATION or affiliated companies. Other product or service names shown may be trademarks or registered trademarks of their respective owners.

### NIPPON STEEL CORPORATION

2-6-1 Marunouchi, Chiyoda-ku, Tokyo 100-8071 Japan  
 Tel: +81-3-6867-4111 Fax: +81-3-6867-5607  
[www.nipponsteel.com](http://www.nipponsteel.com)

Non-Magnetic, High-Strength Austenitic Stainless Steel

S007en\_01\_202503f

© 2025 NIPPON STEEL CORPORATION