

NAS304LG

NAS304LG is a non-magnetic stainless steel with approximately 12% nickel. The high Ni content suppresses work hardening and results in lower magnetic properties than SUS304. Its excellent deep drawability and low carbon content provide superior formability, making it softer than SUS305.

Chemical Composition

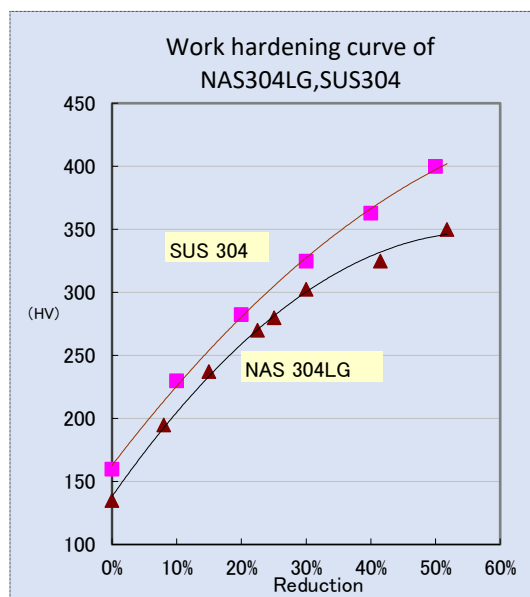
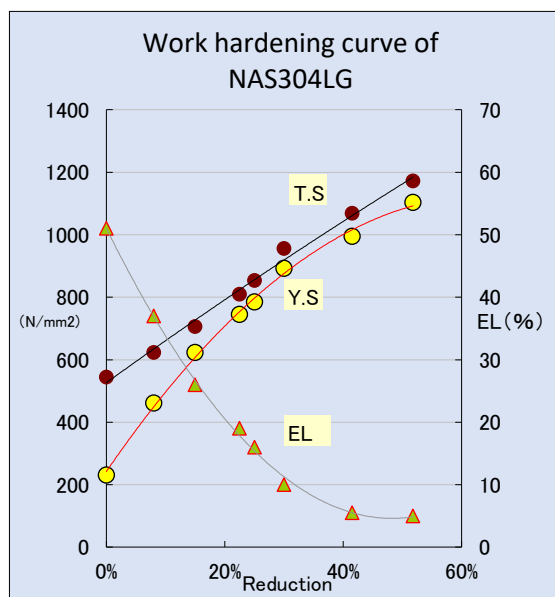
[wt %]

		C	Si	Mn	P	S	Ni	Cr
NAS304LG	Spec	≦0.030	≦1.00	≦2.00	≦0.045	≦0.030	11.00～13.00	18.00～19.00
	Typical	0.017	0.62	0.93	0.019	0.0005	12.12	18.74
SUS305	Spec	≦0.12	≦1.00	≦2.00	≦0.045	≦0.030	10.50～13.00	17.00～19.00

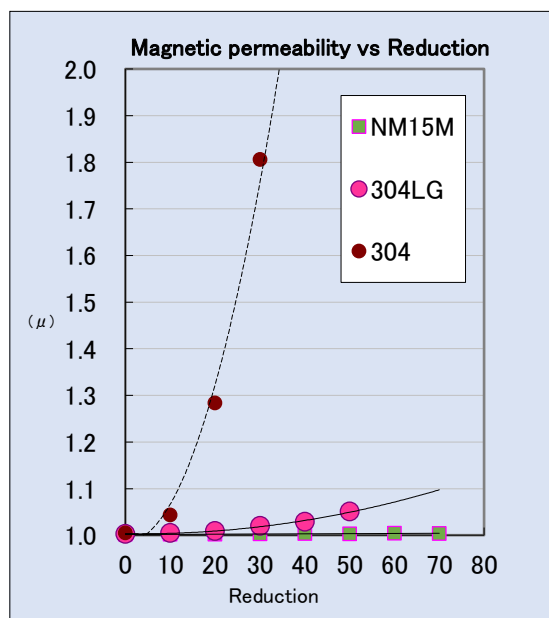
Mechanical Properties

		Proof stress (N/mm2)	Tensile strength (N/mm2)	Elongation (%)	Hardness (HV)
NAS304LG	Spec	≧175	≧480	≧40	≦200
	Typical	225	541	57	124

Work Hardening Characteristics



Magnetic permeability



For more information, please contact:
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Notes regarding the handling of property data ; The technical information in this product guide is representative values obtained in property test and other items used to explain the performance of the product. With the exception of specifically mentioned as provisions of a "Standards", the contents do not represent guaranteed upper limit or lower limit values. The respective data given on this paper are typical examples and may be different in some cases from actual products. No responsibility shall, therefore, be assumed for damages arising from using this paper. This information is also subject to change in the future without notice.