

Austenitic high-strength stainless steel

# ASK-8000

Since ASK-8000 is highly strong and corrosion-resistant at the material stage, it enables the reduction of processes, lead time, and manufacturing costs.

**High-  
Strength**

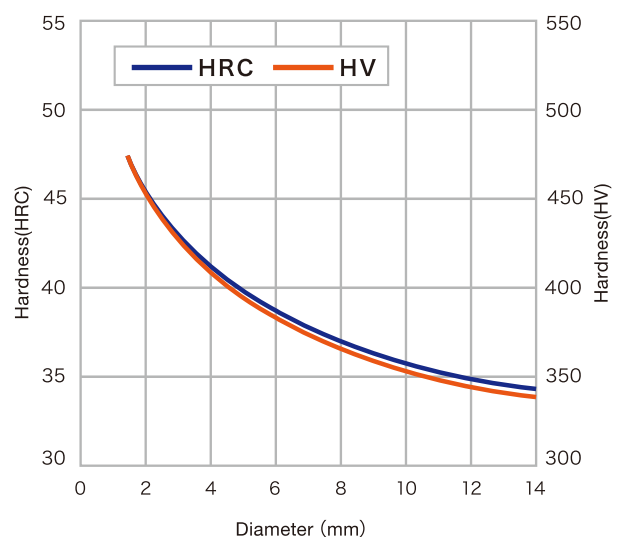
By cold working, a hardness of HRC45 can be achieved at the material stage, allowing heat treatment to be omitted.

**ASK-8000  
Product  
Features**

**High  
Corrosion  
Resistance**

It has corrosion resistance equivalent to SUS303, making surface treatment unnecessary.

## ◇ Diameter and Hardness



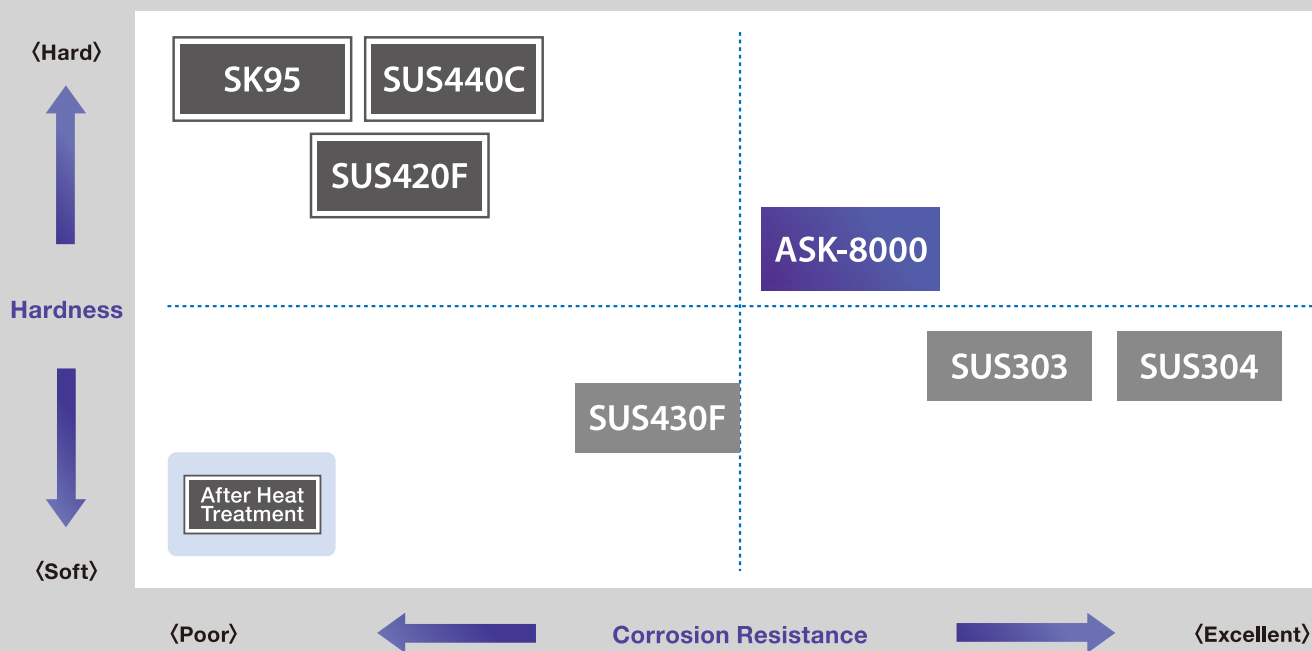
## ◇ Chemical Composition / Physical Properties

(wt%)						
C	Si	Mn	P	S	Ni	Cr
0.15-0.25	≤0.50	7.50-9.50	≤0.05	≥0.12	1.50-3.00	13.00-15.00

Basic Mass g/cm <sup>3</sup>	Young's Modulus KN/mm <sup>2</sup>	Poisson's ratio	Linear Expansion Coefficient(average) 10 <sup>-6</sup> ·°C	Thermal Conductivity W/m·°C		Specific Heat Capacity J/g·°C	Electrical Resistivity Ω m×10 <sup>-8</sup>
Normal temp.	Normal temp.	Normal temp.	0-100°C	Normal temp.	100°C	0-100°C	Normal temp.
7.8	199	0.26	16.6	14.9	15.5	0.52	66

## ◇ Hardness and Corrosion Resistance



## ◇ Salt Spray Test



## ◇ Machinability Index

