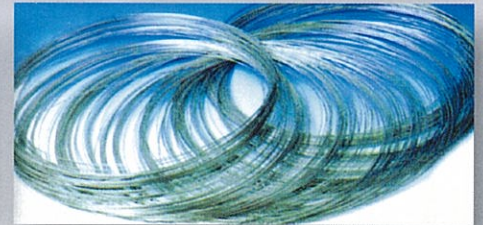
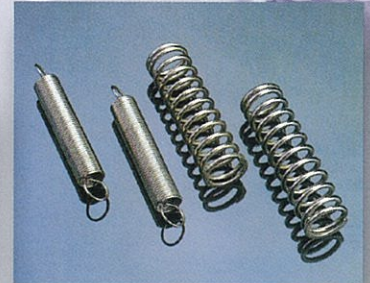


SPRING WIRE

INTRODUCTION

Our stainless steel spring wire has the following characteristics:

1. Excellent straightness & helix with good cast for automatic coiling.
2. Uniform & beautiful surface condition.
3. Excellent coil-forming ability.
4. High elasticity and high fatigue resistance.
5. Strong heat resistance against exposure to the toughest atmosphere.
6. Wide usage for electronic/electrical appliance, whichever it is non-magnetic or slightly magnetic.



SURFACE CONDITION

Our stainless steel spring wires are distinguished by their surface status, which are bare wire, Ni coating. They can also be divided into bright surface, dull surface and semi-bright surface. The customer can make choice according to exact requirements.

MACHANICAL PROPERTY

線徑 Size(mm)	抗張強度 (T/S)					
	JIS-WPA SUS-302 SUS-304 SUS-316	ASTM 316	JIS-WPB SUS-302 SUS-304	ASTM 302Class1 304	JIS-WPC SUS-631J1	ASTM 631 COLD DRAWN CONDITION
0.08-0.20	1650-1900	1690-1895	2150-2400	2240-2450	1950-2200	
0.23-0.40	1600-1850	1655-1860	2050-2300	2205-2330	1930-2180	2035
0.45-0.60	1600-1850	1620-1825	1950-2200	2070-2220	1850-2100	1965
0.65-1.00	1530-1780	1520-1825	1850-2100	1995-2095	1800-2050	1895
1.20-1.40	1450-1700	1550-1760	1750-2000	1840-2020	1700-1950	1825
1.60-2.00	1400-1650	1480-1655	1650-1900	1735-1895	1600-1850	1770
2.30-2.60	1320-1570	1380-1585	1550-1800	1640-1805	1500-1750	1670
2.90-4.00	1230-1480	1275-1450	1450-1700	1530-1620	1400-1650	1625
4.50-6.00	1100-1350	1105-1275	1350-1600	1335-1475	1300-1550	1545

Generally we produce stainless steel spring wire in accordance with the special specifications of JIS WPB, JIS WPA, WPC & ASTM. Products of special specifications are available when customers require.

PRODUCT GRADE

鋼種	Produce Grade		化學成份 Chemical Composition(%)							
KT	AISI	SUS	C	Si	Mn	P	S	Ni	Cr	其它Other
K302	302	302	0.15MAX	1.0	2.0	0.045	0.03	8-10	17-19	-
K304	304	304	0.08MAX	1.0	2.0	0.045	0.03	8-10.5	18-20	-
K316	316	316	0.08MAX	1.0	2.0	0.045	0.03	10-14	16-18	Mo:2-3
K631J1	631	631J1	0.09MAX	1.0	2.0	0.045	0.03	7-8.5	16-18	A1:1.0-1.7

We can supply several kinds of stainless steel spring wire with the following chemical composition:

Type 302/304 are most popularly used in the manufacture of springs because of their outstanding mechanical property and corrosion resistance. Type 316 is recommended for the manufacture of springs which require a particularly high corrosion resistance and non-magnetic property, but its mechanical properties are somewhat inferior to those of Type 302/304. Type 631J1/631 are used for heat resistant spring and the finished spring has the highest strength among all stainless steel alloys after heat treatment, but poorer corrosion resistance than Type 302/304.



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