

Hard Drawn Steel Wire

We offer the optimal hard drawn steel wire in accordance with the application.

Our hard drawn steel wires are made from carefully-selected materials and are produced using methods suitable for individual applications with the aid of advanced technologies that we have cultivated for years. We offer our products at reasonable prices.

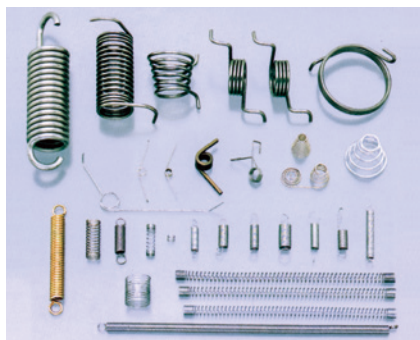
Our hard drawn steel wires are used in a wide variety of applications, such as automotive springs, shutter springs, and spring washers. They are highly regarded by customers in various areas.

■ Applications

Various types of springs for applications that include automobiles, shutters, and furniture as well as, spring washers, and control cable springs



Seat springs for automobiles



Various types of springs

- JIS G 3521
- Product type : SW-A, SW-B, and SW-C
- JIS authentication number : QA0307068

Specifications

Wire diameter tolerance and mechanical properties

Wire diameter (mm)	Wire diameter tolerance (mm)		Tensile strength (N/mm ²)			Number of twists
	General wire	Wire made to order	SW-A	SW-B	SW-C	
0.40~0.70	Hard drawn steel wires with wire diameters in this range are described in the pamphlet "Piano Wire & Hard Drawn Steel Wire for the Small Diameter Spring."					
0.80	±0.020	+0 -0.020	1,520 ~ 1,770	1,770 ~ 2,010	2,010 ~ 2,300	20 or more
0.90	∕	∕	∕	∕	2,010 ~ 2,260	∕
1.00	∕	∕	1,470 ~ 1,720	1,720 ~ 1,960	1,960 ~ 2,210	∕
1.20	±0.030	+0 -0.030	1,420 ~ 1,670	1,670 ~ 1,910	1,910 ~ 2,160	∕
1.40	∕	∕	1,370 ~ 1,620	1,620 ~ 1,860	1,860 ~ 2,110	∕
1.60	∕	∕	1,320 ~ 1,570	1,570 ~ 1,810	1,810 ~ 2,060	∕
1.80	∕	∕	1,270 ~ 1,520	1,520 ~ 1,770	1,770 ~ 2,010	∕
2.00	∕	∕	1,270 ~ 1,470	1,470 ~ 1,720	1,720 ~ 1,960	∕
2.30	±0.040	+0 -0.040	1,230 ~ 1,420	1,420 ~ 1,670	1,670 ~ 1,910	15 or more
2.60	∕	∕	∕	∕	∕	∕
2.90	∕	∕	1,180 ~ 1,370	1,370 ~ 1,620	1,620 ~ 1,860	∕
3.20	∕	∕	∕	1,370 ~ 1,570	1,570 ~ 1,810	∕
3.50	±0.050	+0 -0.050	∕	∕	1,570 ~ 1,770	∕
4.00	∕	∕	∕	∕	∕	10 or more
4.50	∕	∕	1,130 ~ 1,320	1,320 ~ 1,520	1,520 ~ 1,720	∕
5.00	∕	∕	∕	∕	∕	∕
5.50	∕	∕	1,080 ~ 1,270	1,270 ~ 1,470	1,470 ~ 1,670	∕
6.00	±0.060	+0 -0.060	1,030 ~ 1,230	1,230 ~ 1,420	1,420 ~ 1,620	∕
6.50	∕	∕	∕	∕	∕	—
7.00	∕	∕	980 ~ 1,180	1,180 ~ 1,370	1,370 ~ 1,570	—
8.00	∕	∕	∕	∕	∕	—
9.00	±0.070	+0 -0.070	930 ~ 1,130	1,130 ~ 1,320	1,320 ~ 1,520	—

(Note) For requests for diameters or standards that are not listed in the table, please contact us.

Standard mass and style of product

Wire diameter range (mm)	Coiling capstan diameter			Standard mass Coil (kg)
	400mm 16 in.	610mm 24 in.	760mm 30 in.	
0.80 ~ 1.60	○			50~80
1.60 ~ 1.80	○	○		50~150
1.80 ~ 2.60		○	○	100~200
2.60 ~ 9.00			○	100~200

