

ZINC-COATED STEEL WIRE



Zinc Steel Wire is excellent in corrosion resistance and zinc adhesion. Classified tensile strength and adhesion rate of wire meet all applications with standards.

■ **Note** : SWGF-Final Galvanized
SWGD-Drawn Galvanized

■ Mechanical Properties

(K S D 7063)

Dia. (mm)	T/S : N/mm ²			Torsion (Turn)
	SWGD-1	SWGD-2	SWGD-3	SWGD-1, 2, 3
0.50 ~ 0.60	1570 ~ 1860	1860 ~ 2160	2160 ~ 2450	20 over
0.60 ~ 0.80	1520 ~ 1770	1770 ~ 2060	2060 ~ 2350	20 over
0.80 ~ 1.00	1520 ~ 1770	1770 ~ 2010	2010 ~ 2260	20 over
1.00 ~ 1.20	1470 ~ 1720	1720 ~ 1960	1960 ~ 2210	20 over
1.20 ~ 1.40	1420 ~ 1670	1670 ~ 1910	1910 ~ 2160	20 over
1.40 ~ 1.60	1370 ~ 1620	1620 ~ 1860	1860 ~ 2110	20 over
1.60 ~ 1.80	1320 ~ 1570	1570 ~ 1810	1810 ~ 2060	20 over
1.80 ~ 2.00	1270 ~ 1520	1520 ~ 1770	1770 ~ 2010	20 over
2.00 ~ 2.30	1270 ~ 1470	1470 ~ 1720	1720 ~ 1960	15 over
2.30 ~ 2.60	1230 ~ 1420	1420 ~ 1670	1670 ~ 1910	15 over
2.60 ~ 2.90	1230 ~ 1420	1420 ~ 1670	1670 ~ 1910	15 over
2.90 ~ 3.20	1180 ~ 1370	1370 ~ 1620	1620 ~ 1860	15 over
3.20 ~ 3.50	1180 ~ 1370	1370 ~ 1570	1570 ~ 1810	15 over
3.50 ~ 4.00	-	-	-	10 over
4.00 ~ 4.50	-	-	-	10 over
4.50 ~ 5.00	-	-	-	10 over

■ Minimum Weight of Zinc Coating

(unit : g/m²)

Dia. (mm)	SWGD-1, 2, 3
0.50 ~ 0.60	50 over
0.60 ~ 0.80	60 over
0.80 ~ 1.00	70 over
1.00 ~ 1.20	80 over
1.20 ~ 1.50	90 over
1.50 ~ 1.90	100 over
2.00 ~ 2.50	110 over
2.50 ~ 3.20	125 over
3.20 ~ 3.60	135 over
3.60 ~ 4.00	-
4.00 ~ 4.40	-
4.40 ~ 5.00	-

■ Mechanical Properties(AS 1472)

Dia. (mm)	Tolerance (mm)	Tensile Strength (N/mm ²)					
		Range1		Range2		Range3	
0.56	±0.01	1860	2160	2110	2410	-	-
0.63	±0.01	1830	2130	2080	2380	-	-
0.69	±0.01	1810	2110	2050	2350	-	-
0.71	±0.01	1810	2110	2050	2350	-	-
0.80	±0.01	1780	2080	2020	2320	-	-
0.90	±0.02	1750	2050	1990	2290	-	-
1.00	±0.02	1710	2010	1940	2240	-	-
1.12	±0.03	1680	1980	1910	2210	-	-
1.20	±0.03	1655	1955	1885	2185	-	-
1.25	±0.03	1640	1940	1870	2170	-	-
1.40	±0.03	1610	1910	1830	2130	2060	2370
1.60	±0.03	1590	1890	1790	2090	2000	2320
1.80	±0.03	1550	1850	1760	2060	1960	2270
2.00	±0.03	1520	1820	1720	2020	1920	2250
2.24	±0.03	1480	1780	1680	1980	-	-
2.50	±0.03	1450	1750	1640	1940	-	-
2.80	±0.03	1420	1720	1600	1900	-	-
3.15	±0.03	1390	1680	1570	1870	-	-
3.55	±0.03	1380	1670	1560	1850	-	-
4.00	±0.03	1340	1630	1520	1810	-	-
4.50	±0.04	1300	1590	1480	1760	-	-
5.00	±0.04	1280	1560	1450	1730	-	-