

After Drawn

# zinc

## Coated Steel Wire

### Provides a high level of corrosion resistance and workability as wire for coated springs

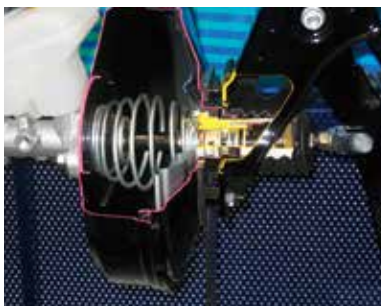
Our zinc coated steel wires meet customer needs in various applications, such as hot dip galvanized coating process, electric zinc coating, and chromate zinc coating.

We provide after-drawn\* zinc coated steel wire products, which are produced under strict quality controls using advanced production technologies. The products have excellent corrosion resistance and workability properties and are mainly used to manufacture coated springs.

\* After-drawn: In after-draw, wire products are put through wire drawing after the coating process.

#### ■ Applications

Various types of springs for automobiles, shutters, home appliances, etc. and wires for oyster farming (coated wires that do not require after-draw)



Spring for automotive brakes



Coil spring for shutters



Various types of springs

## Specifications

| Wire diameter (mm) | Tensile strength (N/mm <sup>2</sup> ) |                     |                     |                    | Weight of hot-dip galvanized zinc (g/m <sup>2</sup> ) |
|--------------------|---------------------------------------|---------------------|---------------------|--------------------|---|
|                    | Equivalent to SWGD-3                  | Equivalent to SWP-A | Equivalent to SWP-B | Equivalent to SWPC |   |
| 1.20               | 1,910 ~ 2,160                         | 2,010 ~ 2,210       | 2,210 ~ 2,400       | —                  | 90 or more  |
| 1.40               | 1,860 ~ 2,110                         | 1,960 ~ 2,160       | 2,160 ~ 2,350       | —                  | ∕   |
| 1.60               | 1,810 ~ 2,060                         | 1,910 ~ 2,110       | 2,110 ~ 2,300       | —                  | 100 or more   |
| 1.80               | 1,770 ~ 2,010                         | 1,860 ~ 2,060       | 2,060 ~ 2,260       | —                  | ∕   |
| 2.00               | 1,720 ~ 1,960                         | 1,810 ~ 2,010       | 2,010 ~ 2,210       | —                  | 110 or more   |
| 2.30               | 1,670 ~ 1,910                         | 1,770 ~ 1,960       | 1,960 ~ 2,160       | —                  | ∕   |
| 2.60               | ∕                                     | ∕                   | ∕                   | —                  | 125 or more   |
| 2.90               | 1,620 ~ 1,860                         | 1,720 ~ 1,910       | 1,910 ~ 2,110       | —                  | ∕   |
| 3.00               | ∕                                     | 1,670 ~ 1,860       | 1,860 ~ 2,060       | 2,060 ~ 2,260      | ∕   |
| 3.20               | 1,570 ~ 1,810                         | ∕                   | ∕                   | ∕                  | 135 or more   |
| 3.50               | 1,570 ~ 1,770                         | 1,670 ~ 1,810       | 1,810 ~ 1,960       | 1,960 ~ 2,110      | ∕   |
| 4.00               | ∕                                     | ∕                   | ∕                   | ∕                  | ∕   |
| 4.50               | 1,520 ~ 1,720                         | 1,620 ~ 1,770       | 1,770 ~ 1,910       | —                  | 150 or more   |
| 5.00               | ∕                                     | ∕                   | ∕                   | —                  | ∕   |
| 5.50               | 1,470 ~ 1,670                         | 1,570 ~ 1,710       | 1,710 ~ 1,860       | —                  | 200 or more   |
| 6.00               | ∕                                     | 1,520 ~ 1,670       | 1,670 ~ 1,810       | —                  | ∕   |
| 6.50               | 1,420 ~ 1,620                         | ∕                   | ∕                   | —                  | ∕   |
| 7.00               | 1,370 ~ 1,570                         | 1,470 ~ 1,620       | 1,620 ~ 1,770       | —                  | ∕   |
| 8.00               | ∕                                     | ∕                   | —                   | —                  | ∕   |
| 8.60               | 1,320 ~ 1,520                         | 1,420 ~ 1,570       | —                   | —                  | ∕   |

(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<br>Coil (kg) |
|--------------------------|--------------------------|-----------------|-----------------|----------------------------|
|                          | 400mm<br>16 in.          | 610mm<br>24 in. | 760mm<br>30 in. |                            |
| Or larger                |                          |                 |                 |                            |
| Smaller than             |                          |                 |                 |                            |
| 1.20 ~ 1.60              | ○                        |                 |                 | 50~80                      |
| 1.60 ~ 1.80              | ○                        | ○               |                 | 50~150                     |
| 1.80 ~ 2.60              |                          | ○               | ○               | 100~200                    |
| 2.60 ~ 8.60              |                          |                 | ○               | 100~200                    |



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### Steel Wire Sales Department

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