



WIRE AND WIRE PRODUCTS

New # 22 , (Old # 21-J/2) , SIDCO Industrial Estate ,
Ambattur , Chennai - 600 098.

ISO 9001:2015 CERTIFIED COMPANY

CARBON STEEL SPRING WIRE FOR BEDDING & SEATING

PRODUCT : SPRING WIRE FOR BEDDING & SEATING

APPLICABLE STANDARDS

IS 4454-1 EN10270-1 DIN:17223 BS 4637

DESCRIPTION

Uniform Flat cast Cold Drawn non Alloy spring wire is widely used for manufacturing Helical , Bonnel , Pocket , Stabilizer & Border Springs with control dimensional , mechanical & chemical Properties

DIAMETER RANGE (mm)

| TYPE | DIAMETER mm) | TOLERANCE (mm) | OVALITY (mm) |
|-------------------|--------------|----------------|--------------|
| Helical Spring | 1.20 - 1.50 | + / - 0.02 | + / - 0.02 |
| Pocket Spring | 1.50 - 2.00 | + / - 0.02 | + / - 0.02 |
| Bonnel Spring | 2.10 - 2.50 | + / - 0.03 | + / - 0.03 |
| Stabilizer Spring | 3.20 - 4.00 | + / - 0.03 | + / - 0.03 |
| Border Frame | 4.00 - 5.00 | + / - 0.03 | + / - 0.03 |

CHEMICAL COMPOSITION %

| TYPE | % C | % Mn | % Si | % P | % S |
|------------|-------------|-------------|----------|-----------|-----------|
| Helical | 0.43 - 0.48 | 0.40 - 0.85 | 0.30 Max | 0.035 Max | 0.035 Max |
| Pocket | 0.63 - 0.75 | 0.40 - 0.85 | 0.30 Max | 0.035 Max | 0.035 Max |
| Bonnel | 0.63 - 0.75 | 0.40 - 0.85 | 0.30 Max | 0.035 Max | 0.035 Max |
| Stabilizer | 0.63 - 0.75 | 0.40 - 0.85 | 0.30 Max | 0.035 Max | 0.035 Max |
| Border | 0.63 - 0.82 | 0.40 - 0.85 | 0.30 Max | 0.035 Max | 0.035 Max |

MECHANICAL PROPERTIES

| TYPE | UTS(N/mm ²) | RA (%) | TORSION (Nos) |
|------------|--------------------------|----------|-----------------|
| Helical | 1600 - 1800 | 40 | 20 |
| Pocket | 1600 - 1800 | 40 | 18 |
| Bonnel | 1600 - 1800 | 40 | 16 |
| Stabilizer | 1570 - 1770 | 20 | 14 |
| Border | 1670 - 2000 | 20 | 14 |

We can make products as per customer requiremt also

COIL ID

450 to550 mm

PACKING

Coils wrapped with stretch film and gunny roll with proper identification tags and colour code tape in coil weights from 250 - 500 Kgs.