

High Carbon Wire

Al Khaleej Steel Industries LLC manufactures high quality high carbon spring wires at its state-of-the-art production facility, complying to worldwide standards or as per customer requirements.

We source high carbon steel wire-rod from only approved quality source to ensure consistency in the tensile properties and proper traceability.

Our wires have smooth and uniform surface finish, consistent tensile and diameter tolerance.

Our high carbon spring wires are used in various applications:

1. Mattress and furniture:
 - a. Bonnell Springs
 - b. Helical Springs
 - c. Pocket Springs
 - d. Border wire
 - e. Zig-zag Wire
2. Mechanical Springs

Application	Common sizes
Helical Springs	1.3 mm, 1.4 mm
Bonnell Spring	2.2 mm, 2.3 mm, 2.38 mm, 2.4 mm
Pocket Spring	1.8 mm, 1.9 mm, 2.1 mm
Border Wire	3.68 mm, 3.8 mm, 4 mm
Mechanical Springs	1.3 mm to 4.88 mm with increments of 0.02 mm
Tolerance	+/-0.03 mm

Other Parameters	
Carbon content	0.40% to 0.70%
International Standards	ASTM-A407, ISO 23213:2022 or as per customer specifications
Tensile Range	1300 to 1900 mpa
Elongation	Min. 2%
Torsion	Min. 30
Coil ID	400-450 mm
Coil OD	750-850 mm
Coil Height	500-700 mm
Coil Weight	250-750 kg
Packing	With inner paper core, 4 galvanized steel straps and HDPE wrapping
Surface finish can be clear or phosphate coated as required.	

