

# Low carbon

## Carbon content 0.02% - 0.25%

These steel wires are produced from high quality steel wire rods suitable for manufacture of a wide variety of end applications including mesh, fasteners, construction reinforcement, ventilation grilles, window locks, recycling, ensuring optimal performance even in demanding working environments.

## Mechanical properties

### Size range

	Width min-max (mm)	Thickness min-max (mm)	Diameter min-max (mm)
Flat	1.50 - 25.00	0.50 - 5.00	
Shaped	1.50 - 25.00	0.50 - 5.00	
Round cold drawn			1.20 - 6.70

## Technical specification

Product standard	Steel grade
SAE J403	AISI SAE 1002, 1003, 1004, 1005, 1006, 1008, 1010, 1015, 1020, 1025
EN ISO 16120-2	C7D, C9D, C10D, C12D, C15D, C18D, C20D
EN ISO 16120-3	C2D1, C3D1, C4D1
EN ISO 16120-4	C3D2, C5D2, C8D2, C10D2, C12D2, C15D2, C18D2, C20D2
ISO 683-18	C10, C15, C20, C25
BS 1449-1.1	B1, B2, B3, B4, B14, B15, B34/20, B37/23, B43/25, B50/35, B40/30, B43/35, B46/40, B50/45, B60/55, B40F30, B43F35, B46F40, B50F45, B60F55, B68F62, B75F70, B10, B12, B17, B20, B22
BS 1449-1.1	K1, K2, K3, K4, K14, K15, K34/20, K37/23, K43/25, K50/35, K40/30, K43/35, K46/40, K50/45, K60/55, K40F30, K43F35, K46F40, K50F45, K60F55, K68F62, K75F70, K10, K12, K17, K20, K22,
BS 1449-1.1	A1, A2, A3, A4, A14, A15, A34/20, A37/23, A43/25, A50/35, A40/30, A43/35, A46/40, A50/45, A60/55, A40F30, A43F35, A46F40, A50F45, A60F55, A68F62, A75F70, A10, A12, A17, A20, A22
BS 1449-1.1	H1, H2, H3, H4, H14, H15, H34/20, H37/23, H43/25, H50/35, H40/30, H43/35, H46/40, H50/45, H60/55, H40F30,

Product standard	Steel grade
	H43F35, H46F40, H50F45, H60F55, H68F62, H75F70, H10, H12, H17, H20, H22
BS 1449-1.1, BS 1449-1.9, BS 1449-1.15	CS1, CS2, CS3, CS4, CS14, CS15, CS34/20, CS37/23, CS43/25, CS50/35, CS40/30, CS43/35, CS46/40, CS50/45, CS60/55, CS40F30, CS43F35, CS46F40, CS50F45, CS60F55, CS68F62, CS75F70, CS10, CS12, CS17, CS20, CS22
BS 1449-1.3	CR1, CR2, CR3, CR4, CR14, CR15, CR34/20, CR37/23, CR43/25, CR50/35, CR40/30, CR43/35, CR46/40, CR50/45, CR60/55, CR40F30, CR43F35, CR46F40, CR50F45, CR60F55, CR68F62, CR75F70, CR10, CR12, CR17, CR20, CR22
BS 1449-1.11	SP1, SP2, SP3, SP4, SP14, SP15, SP34/20, SP37/23, SP43/25, SP50/35, SP40/30, SP43/35, SP46/40, SP50/45, SP60/55, SP40F30, SP43F35, SP46F40, SP50F45, SP60F55, SP68F62, SP75F70, SP10, SP12, SP17, SP20, SP22

## Steel grades and product standards

Nearest equivalent product standards	SAE J403	EN ISO 16120-2	EN ISO 16120-3	EN ISO 16120-4	BS 1052
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