Medium carbon

Carbon content 0.25% - 0.50%

Engineered to customer specification for optimal performance.
Steel wires produced from high quality steel wire rods suitable for manufacture of a wide variety of end applications including springs, rings, textile products, brush wire, mattress frames, armouring wires, 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	1.50-20.00	0.50-5.00	
Round cold drawn			1.20-6.70
Round oil tempered			1.20-5.00

Data last verified: 2023-11-22

Technical specification

Product standard	Steel grade
SAE J403	AISI SAE 1030, 1035, 1040, 1045, 1050, 1029,1037,1042,1043,1044, 1049
EN ISO 16120-2	C26D, C32D, C38D, C42D, C48D, C50D
EN ISO 16120-4	C26D2, C32D2, C36D2, C38D2, C42D2, C46D2, C48D2, C50D2
ISO 683-1	C30, C40, C45, C50
EN 10270-1	SL, SM
BS EN 10270-2	TDC, FDC
BS 01449-1.1, BS 01449-1.9, BS 01449-1.11, BS 01449-1.13, BS 01449-1.15	K22, K25, K30, K35, K40, K45, K50, A22, A25, A30, A35, A40, A45, A50

Steel grades and product standards

Nearest equivalent product standards	SAE J403	EN ISO 16120-2	EN ISO 16120-4	EN 10270-1	EN 10270-2

Data last verified: 2023-11-22