

ITA

STEEL WIRE

FOR TECHNICAL AND MECHANICAL SPRINGS

HIGH CARBON STEEL WIRE

ITA S.p.A. covers an area of 75.000 m^2 in a strategic geographical position in the core of North Italy. Born from the ever-growing innovation spirit and the enterprise skills, Beri family's peculiarities, is a national and international benchmark for medium and high carbon steel wire since several years.

ITA S.p.A. stands out immediately for its "Total Quality" policy that represents the basis of the business strategy.
Today ITA S.p.A. is one of the most dynamic realities in the field, with constant investments in research and development for the best customer satisfaction.
ITA S.p.A. supplies phosphated and galvanized hard drawn steel wire for cables armouring, ACSR, telecommunication, lifting ropes, people transport ropes, fishing ropes, off-shore applications, hoses armouring, transmissions and production of springs for automotive industry and for technical springs.



HIGH CARBON STEEL WIRE FOR TECHNICAL AND MECHANICAL SPRINGS

TECHNICAL DATA

Application

- TECHNICAL SPRINGS
- AUTOMOTIVE SPRINGS
- AGRICULTURE SPRINGS
- DOOR SPRINGS
- SCREENS
- HOSES ARMOURING

Standards

EN 10270-1	Europe
ASTM A227M	U.S.A.
ASTM A228M	U.S.A.
BSI BS5216	U.K.

Other standards or technical specifications can be considered upon customer's request.

Diameter range

Phosphated wires	ø 0,30 - 16,00 mm
Galvanized wires	ø 0,30 - 10,50 mm

Coating & Surface Treatment

Phosphated wires
Galvanized wires (Zinc grade 99,995%) Eddy current test on demand

Heat Treatment

Patented wires	Patenting process with controlled lead quenching
Stelmor wires	Patenting process with controlled air quenching

All our products are certificated according to:

Quality System ISO 9001
Environmental Management System ISO 14001
European Directives, REACH and RoHS

ID Code IMDS

Galvanized wires 43508393/4
Phosphated wires 37367483/4

Test Certificate

Real diameter	Bend at 90° (for ø above 1.00Mm)
Breaking load	Cast analysis
Unit breaking load	Material traceability
Number of torsions	Customer's references

All our products are certificated according to EN 10204 3.1

Other available tests:	
Zinc coating in g/m²	
Rp 0,2	
Stress/elongation diagram	
Micrography of metallurgical structure	Control of superficial defects on phosphated wires from ø 5,00 mm to ø 10,00 mm in FL1250 upon request
Salt spray test	

PACKAGING

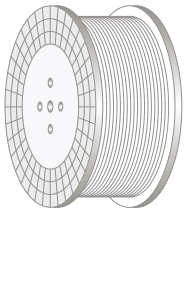
Packaging

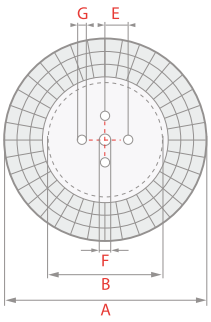
	K355 spools	B760 spools	Standard coils	Rosette coils	Z2 coils	Z3 coils	FL1250	Carriers
Phosphated wires	0,30 - 0,70	0,30 - 2,50	0,30 - 16,00	1,50 - 4,90	0,40 - 2,50	1,70 - 5,00	3,00 - 11,00	2,00 - 10,00
Galvanized wires	0,30 - 0,70	0,30 - 2,50	0,30 - 10,50	1,60 - 4,90	0,40 - 2,50	1,70 - 5,00	3,00 - 10,50	2,50 - 10,00

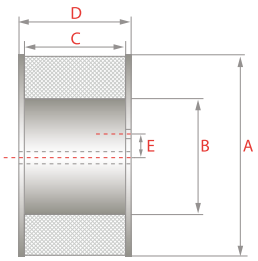
K355 Plastic spools

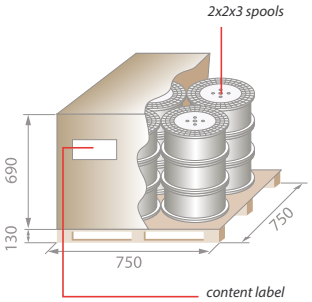
Packaging	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Peso/Weight Kg
K355	355	224	160	200	80	36	25	45

K355



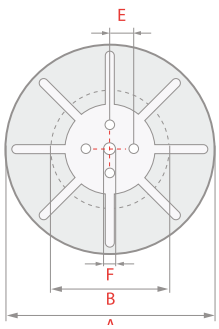


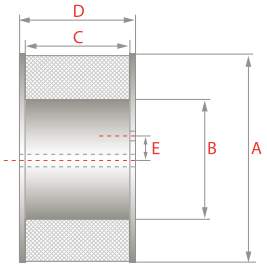




B760 Metal spools

Type	A mm	B mm	C mm	D mm	E mm	F mm	Peso/Weight Kg
1	760	430	240	300	115	42	300 max
2	760	430	350	410	115	42	500 max

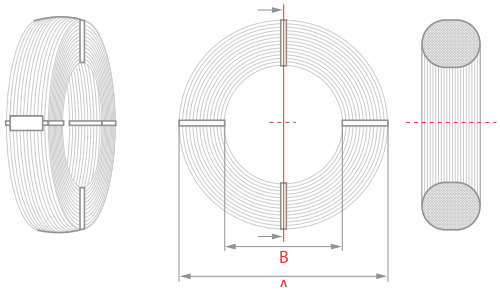




Standard Coils

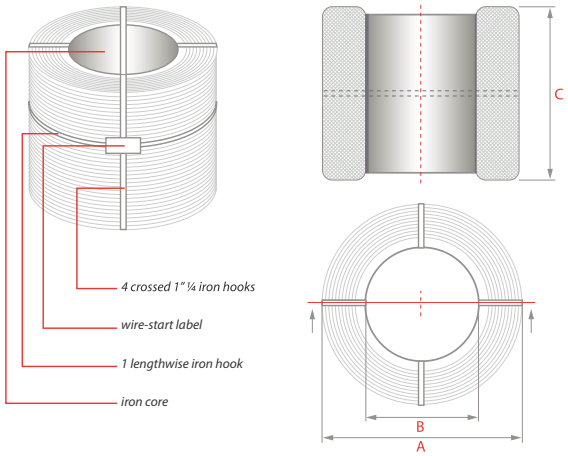
ø mm	A mm	B mm	Peso/Weight Kg
0,30 - 0,55	400	200	20*
0,60 - 0,85	500	300	30*
0,90 - 1,05	500	320	40-50*
1,10 - 1,40	600	400	80*
1,50 - 2,40	800	500	150
2,50 - 3,20	900	600	250
3,30 - 4,50	900	600	300
4,60 - 7,50	1400-1100	1000-700	500
7,60 - 12,00	1400	1000	500-1000
12,10-16,00	1400	1000	1000-2000

* The weight is indicative and could be subject to variation



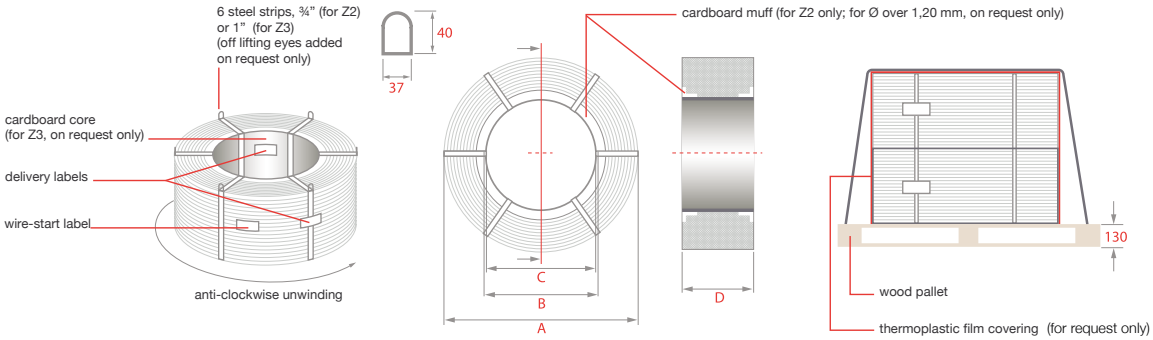
Rosette coils (for galvanized and posphated semi-finished wire)

ø mm	A mm	B mm	C mm	Peso/Weight Kg
1,50-4,00	800	400	800-1200	800-1000
4,00-4,90	1100	500	800-1200	1000-1800



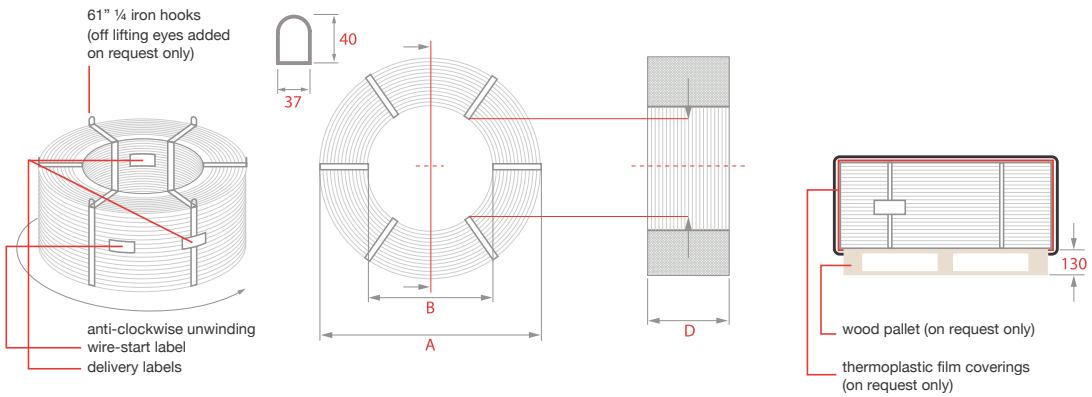
Z2/Z3 Coils

Packaging	A mm	B mm	C mm	D mm	Peso/Weight Kg	Pallet mm
Z2	760 max	370	355	288	500 max	750x750
Z3	1000 max	530	510	348	1000 max	1100x1100

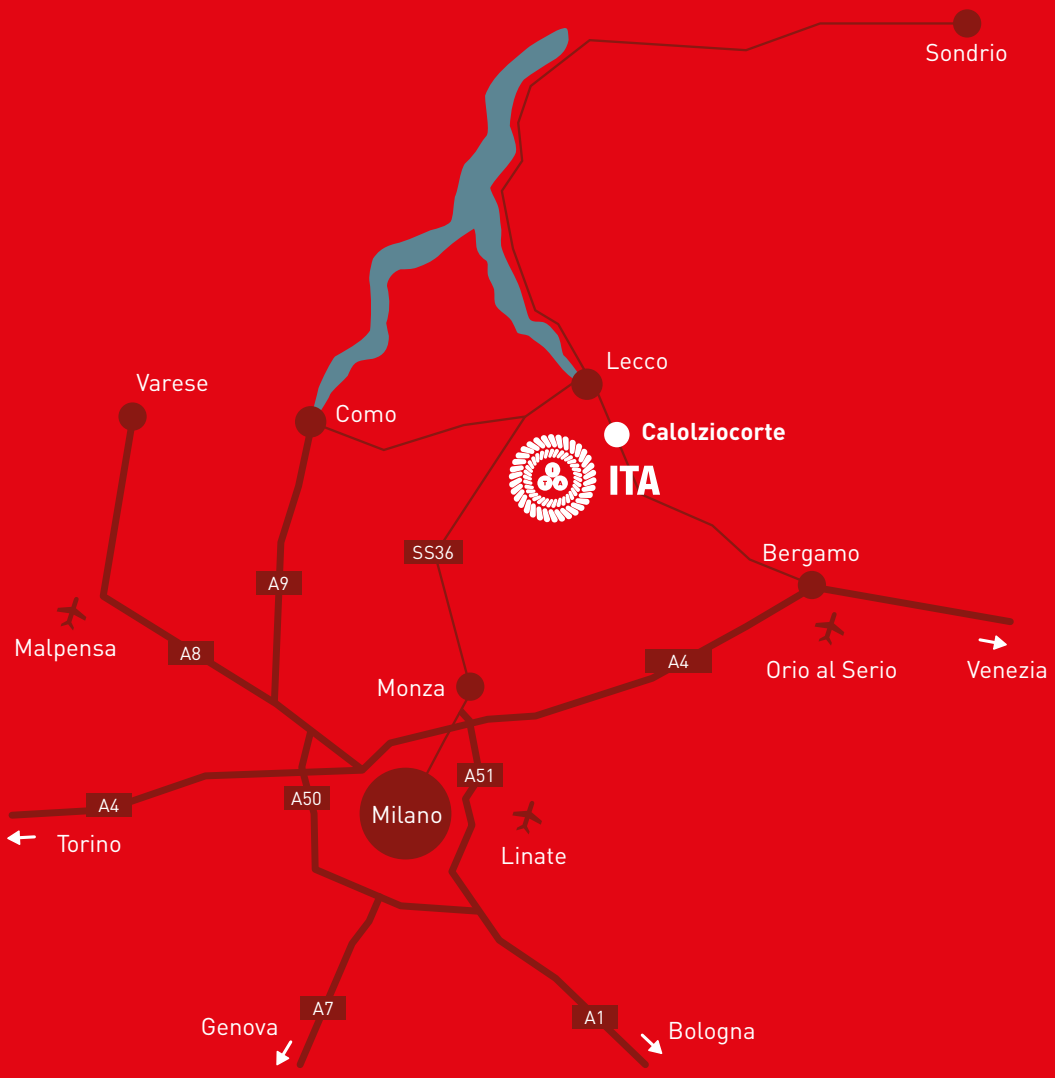


FL 1250 Coils

Packaging	A mm	B mm	D mm	Peso/Weight Kg	Pallet mm
FL 1250	1250 max	760	550	2400 max	1100x1100



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