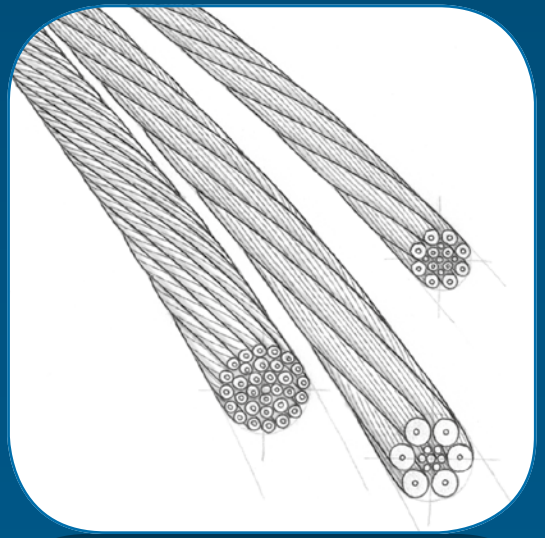




fas

Funi di acciaio
Steel wire rope



fas
www.fasitaly.com

Rev. 06/2017

Zorzo Technologies Srl

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Funi e attrezzature per sollevamento

Ropes and lifting equipment

FAS SpA

Corporate name: FAS Funi e Attrezzature per Sollevamento SPA
20092 Cinisello Balsamo (Milan)
Tel. 0039 02 6124951
Fax 0039 02 66040192
VAT 05854380150
Reg. Impr. Trib. Milano 195276-5505-26

Capital: 2.000.000 Euro f.p.
Year of establishment: 1980
Quality certification: ISO 9001

Ragione Sociale: FAS Funi e Attrezzature per Sollevamento SPA
20092 Cinisello Balsamo (Milano)
Tel. 0039 02 6124951 / Fax 0039 02 66040192
PI/CF 05854380150
Reg. Impr. Trib. Milano 195276-5505-26

Capitale sociale: 2.000.000 Euro i.v.
Anno di costituzione: 1980
Certificazione Qualità: ISO 9001

Engineering, production and distribution of lifting products

- Complete plants and systems for liftings
- Electric, air and manual hoists
- Jib cranes, light crane systems, aluminium gantry cranes, monorails
- Electric, hydraulic and manual winches
- Steel wire ropes
- Wire rope slings with wedge sockets, spelter sockets, thimbles
- Stay cables for structural use
- Wire rope slings
- Stainless steel ropes and fittings for sail boats and architecture
- Hooks, shackles, turnbuckles, clips, thimbles
- Chain slings and components in g8, g10, g12 and stainless steel
- Crane blocks, pulleys, snatch blocks
- Eye bolts and lifting points
- Polyester slings
- Lashing systems
- Lifting clamps
- Vacuum systems
- Magnetic lifters
- Load weighers
- Lifting beams and modular spreader systems
- Personal fall protection systems

Services

- Training courses for workplace safety
- Periodic controls of lifting equipments

Progettazione, costruzione, commercializzazione di prodotti per sollevamento

- Impianti e sistemi per sollevamento
- Paranchi elettrici, pneumatici e manuali
- Gru a bandiera, impianti sospesi, gru a portale, monorotaie
- Argani elettrici, idraulici e manuali per sollevamento e trazione
- Funi di acciaio
- Tiranti di fune con teste fuse, bussole e capicorda
- Applicazioni in fune per controvetrature e tensostrutture
- Brache di fune
- Funi e accessori di acciaio inossidabile per nautica e architettura
- Ganci, grilli, tenditori, morsetti, redance
- Brache di catena e accessori g8, g10, g12 e inossidabili
- Bozzelli, pulegge e taglie
- Golfari e punti di ancoraggio
- Brache di poliestere
- Sistemi per l'ancoraggio dei carichi
- Morse per sollevamento
- Apparecchi a depressione
- Sollevatori magnetici
- Dinamometri
- Bilancini e distanziatori di carico
- Dispositivi anticaduta

Servizi

- Corsi di addestramento per la sicurezza sul lavoro
- Verifiche periodiche delle attrezzature per sollevamento





SEDE CENTRALE - HEAD OFFICE



MILANO - FAS SpA

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VERIFICA E MANUTENZIONE DELLE ATTREZZATURE DI SOLLEVAMENTO TESTING AND MAINTENANCE OF LIFTING EQUIPMENTS

Technicians qualified for the inspection and maintenance of lifting equipment located throughout the national territory. Our technicians are qualified to carry out non destructive tests of magnetic particle type, ultrasonic, liquid penetrant or visual as well as certificates for repairing rope, chain and polyester slings, lifting clamps, hooks, shackles and generally lifting equipments.

Tecnici qualificati per il controllo e la manutenzione di attrezzature per sollevamento dislocati su tutto il territorio nazionale. I tecnici hanno la certificazione di personale addetto ad effettuare prove non distruttive di tipo magnetoscopico, ultrasonoro, con liquidi penetranti o visivo, nonché gli attestati per la riparazione di brache di fune, catena, poliestere, morse, ganci, grilli e attrezzature per sollevamento in genere.



Servizio Sicurezza



Funi di acciaio a 6 trefoli

Steel wire ropes 6 strands



Funi di acciaio a 6 trefoli

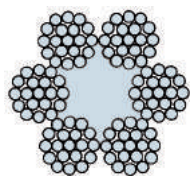
Steel wire ropes 6 strands

ANIMA POLIPROPILENE

FIBER CORE

AZN 619 T (zincata)

AZN 619 T (galvanized)



114 FILI

6x19+PP
anima polipropilene
crociata destra

Resistenza 1770 N/mm²

114 WIRES

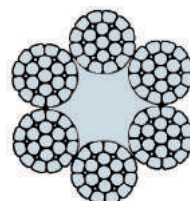
6x19+PP
fiber core
right regular lay

Tensile rope grade 1770 N/mm²

Codice Code	Diametro funo Rope diameter	Diametro fili esterni Outer wires diameter	Peso per metro Weight for meter	Carico rottura minimo MBL	
	mm	mm	kg	kN	kg
FZ619T03	3	0,19	0,03	5,30	540
FZ619T04	4	0,26	0,05	9,40	960
FZ619T05	5	0,39	0,09	14,70	1500
FZ619T06	6	0,47	0,13	21,50	2190
FZ619T07	7	0,55	0,18	28,80	2930
FZ619T07,5	7,5	0,59	0,19	32,50	3320
FZ619T08	8	0,63	0,23	37,50	3820
FZ619T09	9	0,70	0,30	47,50	4840
FZ619T10	10	0,78	0,37	59,10	6030
FZ619T11	11	0,86	0,45	71,20	7260
FZ619T12	12	0,94	0,53	85,10	8680
FZ619T14	14	1,13	0,69	114,00	11620
FZ619T16	16	1,29	0,90	150,00	15300

AZN 625 APP COM (zincata)

AZN 625 APP COM (galvanized)



156 FILI

6xK26WS+PP
anima polipropilene
trefoli compattati
crociata destra

Resistenza 1960 N/mm²

156 WIRES

6xK26WS+PP
fiber core
compacted strands
right regular lay

Tensile rope grade 1960 N/mm²

Codice Code	Diametro funo Rope diameter	Diametro fili esterni Outer wires diameter	Peso per metro Weight for meter	Carico rottura minimo MBL	
	mm	mm	kg	kN	kg
FZ625TK06	6	0,45	0,15	28,16	2872
FZ625TK07	7	0,52	0,21	38,28	3905
FZ625TK10,5	10,5	0,64	0,49	85,0	8670

216 FILI

6xK36WS+PP
anima polipropilene
trefoli compattati
crociata destra

Resistenza 2160 N/mm²

216 WIRES

6xK36WS+PP
fiber core
compacted strands
right regular lay

Tensile rope grade 2160 N/mm²

Funi di acciaio a 6 trefoli

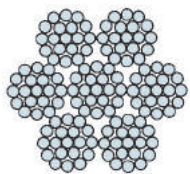
Steel wire ropes 6 strands

ANIMA METALLICA

STEEL CORE

AZN 719 (zincata)

AZN 719 (galvanized)



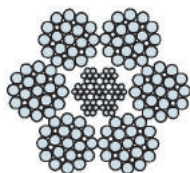
133 FILI
7x19
crociata destra
Resistenza 1770 N/mm²
*** Resistenza 2360 N/mm²**

133 WIRES
7x19
right regular lay
Tensile rope grade 1770 N/mm²
* Tensile rope grade 2360 N/mm²

Codice Code	Diametro funo Rope diameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
FZ71902	2	0,13	0,01	3,00	300
FZ71903	3	0,20	0,03	6,00	610
FZ719R03,2*	3,2	0,22	0,04	9,80	1000
FZ71904	4	0,26	0,06	10,50	1070
FZ71905	5	0,32	0,09	17,70	1800
FZ71906	6	0,40	0,14	26,00	2650
FZ71907	7	0,46	0,18	35,50	3620
FZ71908	8	0,50	0,24	42,50	4330
FZ71909	9	0,60	0,30	54,50	5560
FZ71910	10	0,65	0,38	66,00	6730
FZ71912	12	0,77	0,54	94,00	9590
FZ71914	14	0,93	0,74	129,50	13210
FZ71916	16	1,07	0,97	168,00	17130
FZ71918	18	1,20	1,23	212,00	21620
FZ71920	20	1,33	1,52	263,00	26820

AZN 625 AC (zincata)

AZN 625 AC (galvanized)



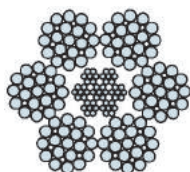
205 FILI
6x26WS+IWRC
anima metallica
crociata destra
Resistenza 1960 N/mm²

205 WIRES
6x26WS+IWRC
steel core
right regular lay
Tensile rope grade 1960 N/mm²

Codice Code	Diametro funo Rope diameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
FZ625A06	6	0,44	0,14	26,22	2675
FZ625A07	7	0,51	0,20	35,68	3639
FZ625A08	8	0,59	0,27	46,60	4753
FZ625A09	9	0,66	0,34	58,98	6061
FZ625A10	10	0,74	0,43	72,82	7428

AZN 625 ACAR (zincata)

AZN 625 ACAR (galvanized)



205 FILI
6x26WS+IWRC
anima metallica
crociata destra
Resistenza 2160 N/mm²

205 WIRES
6x26WS+IWRC
steel core
right regular lay
Tensile rope grade 2160 N/mm²

Codice Code	Diametro funo Rope diameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
FZ625R06	6	0,44	0,14	28,77	2935
FZ625R07	7	0,51	0,20	39,16	3995
FZ625R08	8	0,59	0,27	51,15	5217
FZ625R09	9	0,66	0,34	64,74	6605
FZ625R10	10	0,74	0,43	79,92	8152

Funi di acciaio a 6 trefoli

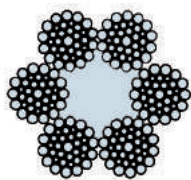
Steel wire ropes 6 strands

ANIMA POLIPROPILENE

FIBER CORE

AZN 636 T (zincata)

AZN 636 T (galvanized)



216 FILI

6x36WS+FC
anima polipropilene
crociata destra

Resistenza 1770 N/mm²

216 WIRES

6x36WS+FC
fiber core
right regular lay

Tensile rope grade 1770 N/mm²

Codice Code	Diametro funo Rope diameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
FZ636T10	10	0,56	0,37	59,00	6014
FZ636T11	11	0,62	0,44	71,00	7238
FZ636T12	12	0,67	0,53	84,50	8614
FZ636T13	13	0,73	0,62	99,00	10092
FZ636T14	14	0,79	0,72	115,70	11794
FZ636T16	16	0,90	0,94	151,80	15474
FZ636T18	18	1,01	1,19	193,20	19694
FZ636T20	20	1,12	1,48	238,50	24312
FZ636T22	22	1,24	1,79	289,00	29460
FZ636T24	24	1,35	2,13	344,00	35066
FZ636T26	26	1,46	2,50	403,30	41111
FZ636T28	28	1,57	2,90	469,20	47829
FZ636T30	30	1,69	3,33	538,50	54893
FZ636T32	32	1,80	3,78	612,50	62436
FZ636T34	34	1,91	4,27	691,50	70489
FZ636T36	36	2,02	4,79	776,80	79185
FZ636T38	38	2,13	5,34	865,50	88226
FZ636T40	40	2,25	5,92	959,00	97757
FZ636T42	42	2,36	6,52	1047,00	106728
FZ636T44	44	2,47	7,16	1149,70	117197
FZ636T46	46	2,58	7,82	1256,00	128033
FZ636T48	48	2,70	8,52	1368,00	139450
FZ636T50	50	2,81	9,25	1484,00	151274
FZ636T52	52	2,92	10,00	1605,00	163609
FZ636T54	54	3,03	10,78	1732,00	176555
FZ636T56	56	3,15	11,60	1864,00	190010
FZ636T58	58	3,26	12,44	1998,00	203670
FZ636T60	60	3,37	13,32	2135,00	217635



Funi di acciaio a 6 trefoli

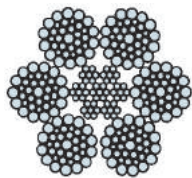
Steel wire ropes 6 strands

ANIMA METALLICA

STEEL CORE

AZN 636 AC (zincata) - AL 636 AC (lucida)

AZN 636 AC (galvanized) - AL 636 AC (ungalvanized)



265 FILI

6x36WS+IWRC
anima metallica
crociata destra
crociata sinistra

Resistenza 1770 N/mm²

265 WIRES

6x36WS+IWRC
steel core
right regular lay
left regular lay

Tensile rope grade 1770 N/mm²

Resistenza 1960 N/mm²

Codice

FL636AA10

FZ636AA10

Tensile rope grade 1960 N/mm²

Codice

FL636AA10

FZ636AA10

Codice Code	Codice Code	Diametro fune Rope diameter	Diametro fili esterni Outer wires diameter	Peso per metro Weight for meter	Carico rottura minimo MBL			
					1770 N/mm ²		1960 N/mm ²	
Lucido Ungalvanized	Zincato Galvanized	mm	mm	kg	kN	kg	kN	kg
FL636A10	FZ636A10	10	0,56	0,42	64,00	6530	70,00	7140
FL636A11	FZ636A11	11	0,62	0,51	77,00	7850	84,70	8640
FL636A12	FZ636A12	12	0,67	0,60	95,00	9690	100,80	10280
FL636A13	FZ636A13	13	0,73	0,71	110,00	11220	118,50	12080
FL636A14	FZ636A14	14	0,79	0,82	129,00	13150	137,40	14010
FL636A15	FZ636A15	15	0,84	0,95	144,00	14680	157,80	16090
FL636A16	FZ636A16	16	0,90	1,08	165,00	16820	179,50	18300
FL636A18	FZ636A18	18	1,01	1,36	210,00	21410	227,00	23140
FL636A20	FZ636A20	20	1,12	1,68	259,20	26430	280,50	28600
FL636A22	FZ636A22	22	1,24	2,03	313,50	31960	339,50	34610
FL636A24	FZ636A24	24	1,35	2,42	373,00	38030	404,00	41190
FL636A26	FZ636A26	26	1,46	2,84	438,00	44650	474,00	48320
FL636A28	FZ636A28	28	1,57	3,29	499,00	50870	549,00	55970
FL636A30	FZ636A30	30	1,69	3,78	578,00	58920	630,00	64230
FL636A32	FZ636A32	32	1,80	4,30	651,00	66370	717,00	73090
FL636A34	FZ636A34	34	1,91	4,86	735,00	74930	809,00	82470
FL636A36	FZ636A36	36	2,02	5,44	824,00	84000	906,00	92360
FL636A38	FZ636A38	38	2,13	6,06	922,00	93990	1010,00	102960
FL636A40	FZ636A40	40	2,25	6,72	1020,00	103980	1119,00	114070
FL636A42	FZ636A42	42	2,36	7,41	1120,00	114170	1233,00	125690
FL636A44	FZ636A44	44	2,47	8,13	1230,00	125390	1353,00	137930
FL636A46	FZ636A46	46	2,58	8,89	1345,00	137110	1478,00	150670
FL636A48	FZ636A48	48	2,70	9,68	1460,00	148830	1610,00	164120
FL636A50	FZ636A50	50	2,81	10,50	1585,00	161570	1745,00	177880
FL636A52	FZ636A52	52	2,92	11,36	1715,00	174830	1887,00	192360
FL636A54	FZ636A54	54	3,03	12,25	1850,00	188590	2035,00	207450
FL636A56	FZ636A56	56	3,15	13,17	1990,00	202860	2187,00	222940
FL636A58	FZ636A58	58	3,26	14,13	2135,00	217640	2335,00	238030
FL636A60	FZ636A60	60	3,37	15,12	2280,00	232420	2500,00	254850



Funi di acciaio a 6 trefoli

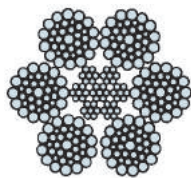
Steel wire ropes 6 strands

ANIMA METALLICA

STEEL CORE

AZN 636 ACAR (zincata)

AZN 636 ACAR (galvanized)



265 FILI

6x36WS+IWRC
anima metallica
crociata destra
crociata sinistra

Resistenza 2160 N/mm²

265 WIRES

6x36WS+IWRC
steel core
right regular lay
left regular lay

Tensile rope grade 2160 N/mm²

Codice Code	Diametro funo Rope diameter	Diametro fili esterni Outer wires diameter	Peso per metro Weight for meter	Carico rottura minimo MBL	
	mm	mm	kg	kN	kg
FZ636R10	10	0,56	0,42	81,80	8340
FZ636R11	11	0,62	0,51	98,90	10090
FZ636R12	12	0,67	0,60	117,80	12010
FZ636R13	13	0,73	0,71	138,30	14100
FZ636R14	14	0,79	0,82	160,30	16350
FZ636R15	15	0,84	0,95	184,00	18760
FZ636R16	16	0,90	1,08	209,50	21360
FZ636R18	18	1,01	1,36	265,00	27020
FZ636R19	19	1,07	1,52	295,00	30080
FZ636R20	20	1,12	1,68	326,50	33290
FZ636R22	22	1,24	2,03	396,00	40370
FZ636R24	24	1,35	2,42	471,50	48070
FZ636R26	26	1,46	2,84	553,00	56380
FZ636R28	28	1,57	3,29	640,00	65240
FZ636R30	30	1,69	3,78	734,00	74830
FZ636R32	32	1,80	4,30	835,50	85170
FZ636R34	34	1,91	4,86	920,00	93790
FZ636R36	36	2,02	5,44	1030,00	105000
FZ636R38	38	2,13	6,06	1150,00	117230
FZ636R40	40	2,25	6,72	1255,00	127940
FZ636R42	42	2,36	7,41	1385,00	141190
FZ636R44	44	2,47	8,13	1515,00	154440
FZ636R46	46	2,58	8,89	1655,00	168710
FZ636R48	48	2,70	9,68	1775,00	180940
FZ636R50	50	2,81	10,50	1926,00	196340
FZ636R52	52	2,92	11,36	2082,00	212240
FZ636R54	54	3,03	12,25	2240,00	228340
FZ636R56	56	3,15	13,17	2370,00	241600
FZ636R58	58	3,26	14,13	2540,00	258920
FZ636R60	60	3,37	15,12	2700,00	275230



Funi di acciaio a 6 trefoli

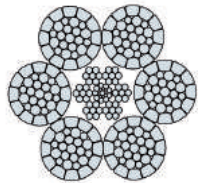
Steel wire ropes 6 strands

ANIMA METALLICA

STEEL CORE

DRL 508 A COMPATTATA (lucida)

DRL 508 A COMPACTED STRANDS (ungalvanized)



247 FILI

6xK31WS+IWRC
anima metallica
trefoli compattati
crociata destra
crociata sinistra

Resistenza 1960 N/mm²

247 WIRES

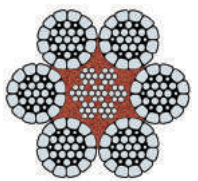
6xK31WS+IWRC
steel core
compacted strands
right regular lay
left regular lay

Tensile rope grade 1960 N/mm²

Codice Code	Diametro fune Rope diameter	Diametro fili esterni Outer wires diameter	Peso per metro Weight for meter	Carico rottura minimo MBL	
	mm	mm	kg	kN	kg
FLDRLK16	16	1,07	1,18	211,00	21522
FLDRLK18	18	1,21	1,54	263,88	26916
FLDRLK20	20	1,35	1,90	325,78	33230
FLDRLK22	22	1,48	2,25	394,21	40210
FLDRLK24	24	1,62	2,71	469,18	47857
FLDRLK26	26	1,75	3,13	550,57	56158
FLDRLK28	28	1,89	3,70	638,61	65138
FLDRLK30	30	1,96	4,06	722,65	73711
FLDRLK32	32	2,04	4,72	830,00	84660

PR265PK COMPATTATA PARALLELA PLASTIFICATA (zincata)

PR265PK COMPACTED STRANDS LANG LAY PLASTIC IMPREGNATION (galvanized)



235 FILI

6xK31WS+EPIWRC
anima metallica plastificata
trefoli compattati
parallela destra
parallela sinistra

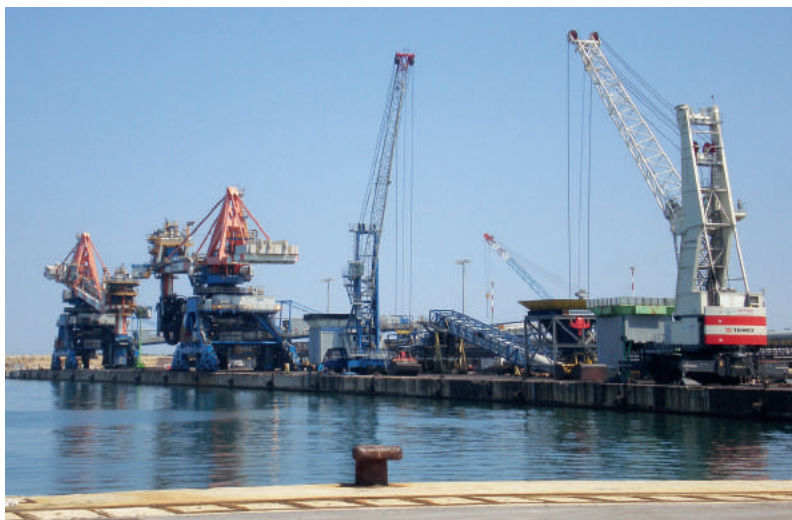
Resistenza 1960 N/mm²

235 WIRES

6xK31WS+EPIWRC
plastified steel core
compacted strands
right lang lay
left lang lay

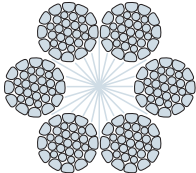
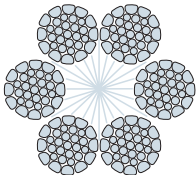
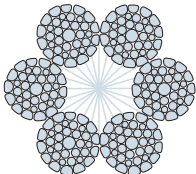
Tensile rope grade 1960 N/mm²

Codice Code	Diametro fune Rope diameter	Diametro fili esterni Outer wires diameter	Peso per metro Weight for meter	Carico rottura minimo MBL	
	mm	mm	kg	kN	kg
FZ636HYP16	16	1,07	1,22	209,80	21400
FZ636HYP18	18	1,21	1,55	265,69	27100
FZ636HYP20	20	1,34	1,91	327,45	33400
FZ636HYP22	22	1,48	2,31	397,06	40500
FZ636HYP24	24	1,61	2,75	472,55	48200
FZ636HYP26	26	1,74	3,23	554,90	56600
FZ636HYP28	28	1,88	3,75	643,14	65600
FZ636HYP30	30	2,01	4,31	739,22	75400
FZ636HYP32	32	2,15	4,90	840,20	85700



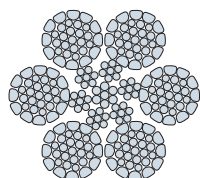
HDHP 6 FC COMPATTATA (zincata)

HDHP 6 FC COMPACTED STRANDS (galvanized)

	Codice Code	Diametro fune Rope diameter	Peso per metro Weight for meter	Carico rottura minimo MBL	
		mm	kg	kN	kg
 126 FILI 6xK21F+PP anima polipropilene trefoli compattati crociata destra crociata sinistra Resistenza 2160 N/mm² 126 WIRES 6xK21F+PP fiber core compacted strands right regular lay left regular lay Tensile rope grade 2160 N/mm²	FZHDHP6FC08	8	0,260	55,00	5610
	FZHDHP6FC09	9	0,320	68,50	6987
 186 FILI 6xK31WS+PP anima polipropilene trefoli compattati crociata destra crociata sinistra Resistenza 2160 N/mm² 186 WIRES 6xK31WS+PP fiber core compacted strands right regular lay left regular lay Tensile rope grade 2160 N/mm²	FZHDHP6FC10	10	0,41	88,00	8976
	FZHDHP6FC11	11	0,50	106,00	10812
	FZHDHP6FC12	12	0,60	127,00	12954
	FZHDHP6FC13	13	0,70	150,00	15300
	FZHDHP6FC14	14	0,82	174,00	17748
	FZHDHP6FC16	16	1,03	219,00	22338
	FZHDHP6FC18	18	1,34	287,00	29274
	FZHDHP6FC19	19	1,48	316,00	32232
	FZHDHP6FC20	20	1,62	346,00	35292
	FZHDHP6FC22	22	1,99	425,00	43350
	FZHDHP6FC24	24	2,38	503,00	51306
	FZHDHP6FC25	25	2,60	547,00	55794
	FZHDHP6FC26	26	2,78	586,00	59772
	FZHDHP6FC28	28	3,26	680,00	69360
 216 FILI 6xK36WS+PP anima polipropilene trefoli compattati crociata destra crociata sinistra Resistenza 2160 N/mm² 216 WIRES 6xK36WS+PP fiber core compacted strands right regular lay left regular lay Tensile rope grade 2160 N/mm²	FZHDHP6FC32	32	4,22	883,00	90066
	FZHDHP6FC34	34	4,87	1015,00	103530
	FZHDHP6FC36	36	5,44	1130,00	115260
	FZHDHP6FC38	38	6,02	1245,00	126990
	FZHDHP6FC40	40	6,71	1388,00	141576
	FZHDHP6FC42	42	7,26	1502,00	153204

HDHP 6 COMPATTATA (zincata)

HDHP 6 COMPACTED STRANDS (galvanized)



235 FILI

6xK31WS+IWRC
anima metallica
trefoli compattati
crociata destra
crociata sinistra

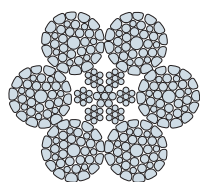
Resistenza 2160 N/mm²

235 WIRES

6xK31WS+IWRC
steel core
compacted strands
right regular lay
left regular lay

Tensile rope grade 2160 N/mm²

Codice Code	Diametro fune Rope diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
			kN	kg
FZHDHP610	10	0,47	91,00	9282
FZHDHP611	11	0,56	110,00	11220
FZHDHP612	12	0,67	131,00	13362
FZHDHP613	13	0,79	154,00	15708
FZHDHP614	14	0,91	178,00	18156
FZHDHP615	15	1,05	205,00	20910
FZHDHP616	16	1,19	233,00	23766
FZHDHP617	17	1,27	255,00	26010
FZHDHP618	18	1,43	296,20	30212
FZHDHP619	19	1,61	329,00	33558
FZHDHP620	20	1,77	375,00	38250
FZHDHP622	22	2,18	454,00	46308
FZHDHP624	24	2,67	533,00	54366
FZHDHP625	25	2,90	579,00	59058
FZHDHP626	26	3,13	626,00	63852
FZHDHP628	28	3,63	726,00	74052



265 FILI

6xK36WS+IWRC
anima metallica
trefoli compattati
crociata destra
crociata sinistra

Resistenza 2160 N/mm²

265 WIRES

6xK36WS+IWRC
steel core
compacted strands
right regular lay
left regular lay

Tensile rope grade 2160 N/mm²

FZHDHP630	30	4,12	817,00	83334
FZHDHP632	32	4,69	930,00	94860
FZHDHP634	34	5,23	1037,00	105774
FZHDHP636	36	5,86	1163,00	118626
FZHDHP638	38	6,57	1302,00	132804
FZHDHP640	40	7,34	1450,00	147900
FZHDHP642	42	8,09	1598,00	162996
FZHDHP644	44	8,88	1754,00	178908
FZHDHP646	46	9,71	1804,00	184008
FZHDHP648	48	10,58	1964,00	200328
FZHDHP650	50	11,48	2131,00	217362
FZHDHP652	52	12,33	2266,00	231132
FZHDHP654	54	13,29	2443,00	249186
FZHDHP656	56	14,23	2617,00	266934
FZHDHP658	58	15,20	2796,00	285192
FZHDHP660	60	16,24	2994,00	305388
FZHDHP662	62	17,31	3198,00	326196





Norzo Technologie Sri

Funi di acciaio a 8 e 9 trefoli

Steel wire ropes 8 and 9 strands

Parallela destra
Right lang lay



Crociata destra
Right regular lay



Crociata destra
Right regular lay



Crociata destra
Right regular lay



Crociata sinistra
Left regular lay

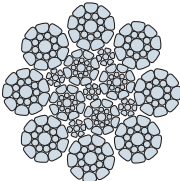
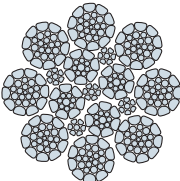
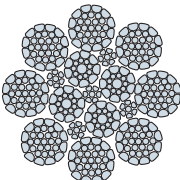
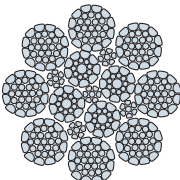


Crociata destra
Right regular lay



INTEGRAL 8 COMPATTATA (zincata)

INTEGRAL 8 COMPACTED STRANDS (galvanized)

	Codice Code	Diametro fune Rope diameter	Peso per metro Weight for meter	Carico rottura minimo MBL		
		mm	kg	kN	kg	
		FZINTEGRAL06,25	6,2	0,17	36,40	3713
	FZINTEGRAL06,4	6,4	0,20	43,00	4386	
	FZINTEGRAL07	7	0,25	51,00	5202	
	FZINTEGRAL07,2	7,2	0,26	54,00	5508	
	FZINTEGRAL08	8	0,32	67,00	6834	
	FZINTEGRAL09	9	0,40	85,00	8670	
	FZINTEGRAL10	10	0,50	105,00	10710	
	FZINTEGRAL11	11	0,60	127,00	12954	
	FZINTEGRAL12	12	0,71	150,00	15300	
	FZINTEGRAL13	13	0,83	175,00	17850	
	FZINTEGRAL14	14	0,97	205,00	20910	
	FZINTEGRAL15	15	1,13	238,00	24276	
	Ø 6,2 SX FZINTEGRAL: 8xK17S+PWRC					
		FZINTEGRAL16	16	1,31	273,00	27846
		FZINTEGRAL18	18	1,64	343,00	34986
		FZINTEGRAL19	19	1,83	382,00	38964
FZINTEGRAL20		20	2,02	423,00	43146	
FZINTEGRAL22		22	2,45	512,00	52224	
FZINTEGRAL24		24	2,92	609,00	62118	
FZINTEGRAL25		25	3,16	661,00	67422	
FZINTEGRAL26		26	3,32	703,00	71706	
FZINTEGRAL28		28	3,96	821,00	83742	
FZINTEGRAL28,6		28,6	4,13	856,00	87312	
	FZINTEGRAL30	30	4,55	941,00	95982	
	FZINTEGRAL32	32	5,29	1086,00	110772	
	FZINTEGRAL34	34	5,97	1226,00	125052	
	FZINTEGRAL36	36	6,69	1375,00	140250	
	FZINTEGRAL38	38	7,38	1475,00	150450	
	FZINTEGRAL40	40	8,27	1658,00	169116	
	FZINTEGRAL42	42	9,12	1828,00	186456	
	FZINTEGRAL44,5	44,5	9,74	2003,00	204306	
	FZINTEGRAL46	46	10,41	2140,00	218280	
	FZINTEGRAL48	48	11,35	2309,00	235518	
	FZINTEGRAL50	50	12,32	2505,00	255510	
	FZINTEGRAL50,8	50,8	12,71	2586,00	263772	
	FZINTEGRAL52	52	13,32	2710,00	276420	

COMPACT 9 SR COMPATTATA PARALLELA (zincata)

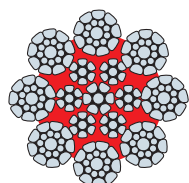
COMPACT 9 SR COMPACTED STRANDS LANG LAY (galvanized)

	Codice Code	Diametro funne Rope diameter	Diametro fili esterni Outer wires diameter	Peso per metro Weight for meter	Carico rottura minimo MBL	
		mm	mm	kg	kN	kg
112 FILI 9xK7+PWRC anima metallica trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm² 112 WIRES 9xK7+PWRC steel core compacted strands right lang lay left lang lay Tensile rope grade 2160 N/mm²	FZC09SR06	6	0,50	0,15	32,00	3260
	FZC09SR07	7	0,58	0,21	44,30	4490
	FZC09SR07,5	7,5	0,62	0,24	50,85	5186
	FZC09SR08	8	0,67	0,27	57,10	5810
202 FILI 9xK17S+PWRC anima metallica trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm² 202 WIRES 9xK17S+PWRC steel core compacted strands right lang lay left lang lay Tensile rope grade 2160 N/mm²	FZC09SR09	9	0,60	0,35	72,00	7300
	FZC09SR09,5	9,5	0,64	0,40	80,00	8160
	FZC09SR10	10	0,67	0,45	91,00	9290
	FZC09SR11	11	0,73	0,53	108,50	11070
	FZC09SR12	12	0,80	0,63	128,00	13060
	FZC09SR13	13	0,87	0,75	152,00	15500
	FZC09SR14	14	0,95	0,87	174,00	17750
	FZC09SR16	16	1,08	1,14	227,30	23190



HP 8P COMPATTATA PLASTIFICATA (zincata)

HP 8P COMPACTED STRANDS PLASTIC IMPREGNATION (galvanized)



201 FILI

8xK19S+EPIWRC

anima metallica plastificata

trefoli compattati

crociata destra

crociata sinistra

Resistenza 2160 N/mm²

201 WIRES

8xK19S+EPIWRC

plastified steel core

compacted strands

right regular lay

left regular lay

Tensile rope grade 2160 N/mm²

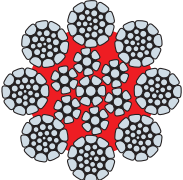
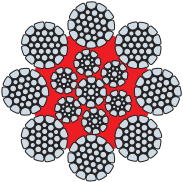
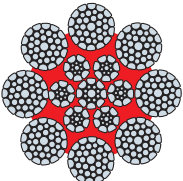
Codice Code	Diametro fune Rope diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
			kN	kg
FZP06,5	6,5	0,20	41,80	4264
FZP07	7	0,24	49,00	4998
FZP08	8	0,32	65,60	6690
FZP09	9	0,40	83,50	8517
FZP10*	10	0,50	104,00	10608
FZP11*	11	0,62	128,00	13056
FZP12	12	0,73	150,50	15350
FZP13	13	0,85	175,50	17900
FZP14	14	0,98	202,00	20604
FZP15	15	1,13	233,40	23806
FZP16	16	1,29	264,50	26979

* Disponibile parallela destra
Available right lang lay



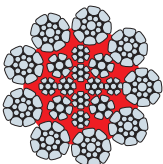
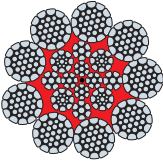
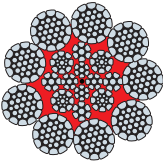
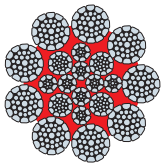
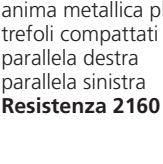
HP 8P COMPATTATA PLASTIFICATA (lucida)

HP 8P COMPACTED STRANDS PLASTIC IMPREGNATION (ungalvanized)

	Codice Code	Diametro fune Rope diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
 257 FILI 8xK26WS+EPWRC anima metallica plastificata trefoli compattati crociata destra crociata sinistra Resistenza 1960 N/mm²	FLPK16	16	1,26	231,00	23562
	FLPK18	18	1,59	292,00	29784
	FLPK19	19	1,77	326,00	33252
	FLPK20	20	1,96	361,00	36822
	FLPK22	22	2,37	437,00	44574
	FLPK23	23	2,60	481,00	49062
	FLPK24	24	2,83	523,00	53346
	FLPK25,4	25,4	3,17	586,00	59772
	FLPK26	26	3,32	614,00	62628
	FLPK27	27	3,58	655,00	66810
	FLPK28	28	3,72	705,00	71910
	FLPK29	29	3,99	756,00	77112
	FLPK30	30	4,27	809,00	82518
	FLPK32	32	4,86	920,00	93840
 367 FILI 8xK31WS+EPWRC anima metallica plastificata trefoli compattati crociata destra crociata sinistra Resistenza 1960 N/mm²	FLPK34	34	5,56	1030,00	105060
	FLPK35	35	6,09	1091,00	111282
	FLPK36	36	6,44	1161,00	118422
	FLPK38	38	7,18	1294,00	131988
	FLPK40	40	7,96	1434,00	146268
	FLPK41,3	41,3	8,48	1529,00	155958
	FLPK42	42	8,74	1578,00	160956
	FLPK44	44	9,60	1728,00	176256
	FLPK44,5	44,5	9,82	1768,00	180336
	FLPK46	46	10,49	1889,00	192678
	FLPK48	48	11,42	2057,00	209814
	FLPK50	50	12,15	2223,00	226746
	FLPK51	51	12,64	2303,00	234906
	FLPK52	52	13,14	2394,00	244188
	FLPK54	54	14,17	2582,00	263364
	FLPK56	56	15,24	2776,00	283152
	FLPK58	58	16,35	2978,00	303756
 407 FILI 8xK36WS+EPWRC anima metallica plastificata trefoli compattati crociata destra crociata sinistra Resistenza 1960 N/mm²	FLPK60	60	17,72	3192,00	325584
	FLPK62	62	18,92	3408,00	347616
	FLPK64	64	20,16	3632,00	370464
	FLPK65	65	20,80	3746,00	382092

COMPLAST 9 COMPATTATA PARALLELA PLASTIFICATA (zincata)

COMPLAST 9 COMPACTED STRANDS PLASTIC IMPREGNATION (galvanized)

	Codice Code	Diametro fune Rope diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
 237 FILI 9xK17S+EPWRC anima metallica plastificata trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²	FZCOMPLAP16	16	1,20	239,00	24378
	FZCOMPLAP18	18	1,54	302,00	30804
	FZCOMPLAP19	19	1,77	336,00	34272
 358 FILI 9xK26WS+EPWRC anima metallica plastificata trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²	FZCOMPLAP20	20	1,92	375,00	38250
	FZCOMPLAP22	22	2,31	450,00	45900
	FZCOMPLAP24	24	2,74	534,00	54468
	FZCOMPLAP25	25	3,02	586,00	59772
	FZCOMPLAP25,4	25,4	3,17	611,00	62322
	FZCOMPLAP26	26	3,28	631,00	64362
	FZCOMPLAP28	28	3,75	721,00	73542
	FZCOMPLAP28,6	28,6	3,89	746,00	76092
	FZCOMPLAP30	30	4,25	814,00	83028
	FZCOMPLAP32	32	4,84	926,00	94452
 403 FILI 9xK31WS+EPWRC anima metallica plastificata trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²	FZCOMPLAP34	34	5,56	1075,00	109650
	FZCOMPLAP36	35	5,88	1155,00	117810
	FZCOMPLAP36	36	6,21	1222,00	124644
	FZCOMPLAP38	38	6,90	1362,00	138924
	FZCOMPLAP40	40	7,76	1487,00	151674
	FZCOMPLAP41	41	7,72	1570,00	160140
	FZCOMPLAP42	42	8,10	1656,00	168912
	FZCOMPLAP44	44	9,16	1799,00	183498
	FZCOMPLAP46	46	10,31	1945,00	198390
	FZCOMPLAP48	48	11,18	2112,00	215424
	FZCOMPLAP50	50	11,48	2286,00	233172
 448 FILI 9xK36WS+EPWRC anima metallica plastificata trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²	FZCOMPLAP52	52	12,99	2405,00	245310
	FZCOMPLAP54	54	14,01	2594,00	264588
	FZCOMPLAP56	56	15,07	2789,00	284478
	FZCOMPLAP58	58	16,03	3012,00	307224
	FZCOMPLAP60	60	17,24	3244,00	330888
	FZCOMPLAP62	62	18,75	3492,00	356184
	FZCOMPLAP64	64	19,98	3721,00	379542
 448 FILI 9xK36WS+EPWRC anima metallica plastificata trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²					





Funi di acciaio antigirevoli

Not-rotating steel wire ropes

Crociata destra
Right regular lay

Crociata destra
Right regular lay

Parallela destra
Right lang lay

Parallela destra
Right lang lay



Funi di acciaio antigirevoli

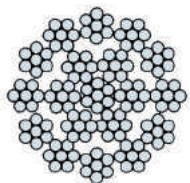
Not-rotating steel wire ropes

PARALLELA

LANG LAY

AZN 1907 AC PARALLELA (zincata)

AZN 1907 AC LANG LAY (galvanized)



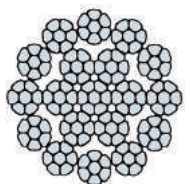
133 FILI
19x7
parallela destra
Resistenza 1960 N/mm²

133 WIRES
19x7
right lang lay
Tensile rope grade 1960 N/mm²

Codice Code	Diametro funne Rope diameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL kN kg	
FZ190703	3	0,20	0,04	6,30	642
FZ190704	4	0,26	0,06	11,50	1173
FZ1907P05	5	0,31	0,10	18,90	1925
FZ1907P06	6	0,38	0,14	26,00	2650
FZ1907P06,7	6,7	0,43	0,18	29,30	2988
FZ1907P07	7	0,44	0,19	33,80	3440
FZ1907P08	8	0,50	0,25	47,50	4810
FZ1907P09	9	0,56	0,32	58,60	5970
FZ1907P10	10	0,63	0,40	72,00	7330
FZ1907P11	11	0,69	0,48	85,50	8720
FZ1907P12	12	0,75	0,57	104,00	10600
FZ1907P12,5	12,5	0,78	0,63	109,00	11080
FZ1907P13	13	0,81	0,68	116,00	11800
FZ1907P14	14	0,88	0,78	143,00	14600
FZ1907P16	16	1,01	1,03	182,00	18500
FZ1907P18	18	1,15	1,30	227,00	23100

AZN 1907 AC COMPATTATA PARALLELA (zincata)

AZN 1907 AC COMPACTED STRANDS LANG LAY (galvanized)



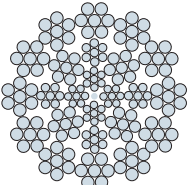
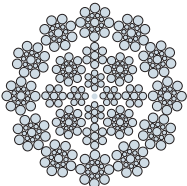
133 FILI
19xK7
trefoli compattati
parallela destra
Resistenza 2160 N/mm²

133 WIRES
19xK7
compacted strands
right lang lay
Tensile rope grade 2160 N/mm²

Codice Code	Diametro funne Rope diameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL kN kg	
FZ1907PK06	6	0,42	0,16	33,40	3407
FZ1907PK07	7	0,49	0,22	45,46	4637
FZ1907PK08	8	0,56	0,29	59,37	6056
FZ1907PK09	9	0,63	0,37	75,22	7673
FZ1907PK10	10	0,70	0,46	92,81	9467
FZ1907PK10,5	10,5	0,73	0,50	101,54	10357
FZ1907PK11	11	0,77	0,55	112,30	11455
FZ1907PK12	12	0,84	0,66	133,54	13622
FZ1907PK13	13	0,91	0,77	156,73	15986
FZ1907PK14	14	0,98	0,90	181,58	18521
FZ1907PK15	15	1,05	1,03	208,39	21256
FZ1907PK16	16	1,12	1,17	237,31	24206
FZ1907PK18	18	1,27	1,51	303,92	31000

NRHD 24 PARALLELA (zincata)

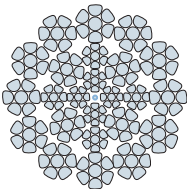
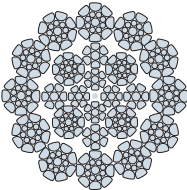
NRHD 24 LANG LAY (galvanized)

	Codice Code	Diametro fune Rope diameter	Peso per metro Weight for meter	Carico rottura minimo MBL	
				kN	kg
 168 FILI 24x7 parallela destra parallela sinistra Resistenza 2160 N/mm² 168 WIRES 24x7 right lang lay left lang lay Tensile rope grade 2160 N/mm²	FZNRHD2407,2	7,2	0,21	42,00	4284
	FZNRHD2408	8	0,27	56,00	5712
	FZNRHD2409	9	0,34	69,00	7038
	FZNRHD2410	10	0,43	86,00	8772
	FZNRHD2411	11	0,51	104,00	10608
	FZNRHD2412	12	0,61	125,00	12750
	FZNRHD2412,5	12,5	0,67	130,00	13260
	FZNRHD2413	13	0,72	145,00	14790
	FZNRHD2414	14	0,86	175,00	17850
	FZNRHD2415	15	0,94	190,00	19380
	FZNRHD2416	16	1,12	221,00	22542
	FZNRHD2417	17	1,25	248,00	25296
	FZNRHD2418	18	1,41	278,00	28356
	FZNRHD2419	19	1,53	310,00	31620
	FZNRHD2420	20	1,67	335,00	34170
	FZNRHD2421	21	1,89	368,00	37536
	FZNRHD2422	22	2,09	415,00	42330
 328 FILI 24x17S parallela destra parallela sinistra Resistenza 2160 N/mm² 328 WIRES 24x17S right lang lay left lang lay Tensile rope grade 2160 N/mm²	FZNRHD2424	24	2,50	495,00	50490
	FZNRHD2425,4	25,4	2,75	560,00	57120
	FZNRHD2428	28	3,42	675,00	68850
	FZNRHD2429	29	3,63	712,00	72624
	FZNRHD2430	30	3,95	765,00	78030
	FZNRHD2432	32	4,49	870,00	88740
	FZNRHD2434	34	5,07	983,00	100266
	FZNRHD2436	36	5,73	1095,00	111690
	FZNRHD2438	38	6,38	1215,00	123930
	FZNRHD2440	40	7,08	1345,00	137190
	FZNRHD2442	42	7,91	1485,00	151470
	FZNRHD2444	44	8,57	1630,00	166260



NRHD 24 C COMPATTATA PARALLELA (zincata)

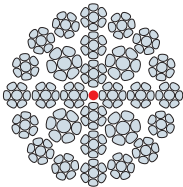
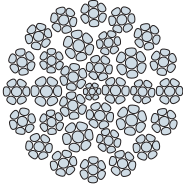
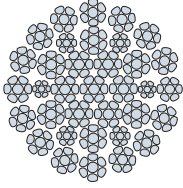
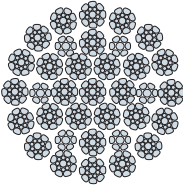
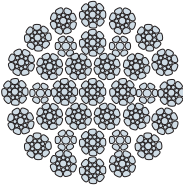
NRHD 24 C COMPACTED STRANDS LANG LAY (galvanized)

	Codice Code	Diametro fune Rope diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
 168 FILI 24xK7 trefoli compattati parallela destra parallela sinistra Resistenza 1960 N/mm² * Resistenza 2160 N/mm² parallela sinistra	FZNRHD24K08	8	0,31	56,00	5712
	FZNRHD24K09	9	0,39	71,00	7242
	FZNRHD24K09S*	9	0,39	78,00	7956
	FZNRHD24K10	10	0,48	88,00	8976
	FZNRHD24K11	11	0,58	107,00	10914
	FZNRHD24K12	12	0,69	127,00	12954
	FZNRHD24K12,5	12,5	0,75	138,00	14076
	FZNRHD24K13	13	0,81	147,00	14994
	FZNRHD24K14	14	0,94	175,00	17850
	FZNRHD24K15	15	1,07	197,00	20094
	FZNRHD24K16	16	1,22	224,00	22848
	FZNRHD24K18	18	1,54	283,00	28866
	FZNRHD24K19	19	1,72	315,00	32130
	FZNRHD24K20	20	1,91	350,00	35700
	FZNRHD24K21	21	2,10	385,00	39270
	FZNRHD24K22	22	2,31	423,00	43146
 328 FILI 24xK17S trefoli compattati parallela destra parallela sinistra Resistenza 1960 N/mm²	FZNRHD24K24	24	2,87	507,00	51714
	FZNRHD24K25,4	25,4	3,21	568,00	57936
	FZNRHD24K28	28	3,90	690,00	70380
	FZNRHD24K30	30	4,48	792,00	80784
	FZNRHD24K32	32	5,09	901,00	91902
	FZNRHD24K34	34	5,75	1017,00	103734
	FZNRHD24K36	36	6,23	1105,00	112710
	FZNRHD24K38	38	6,94	1231,00	125562
	FZNRHD24K40	40	7,63	1364,00	139128
	FZNRHD24K42	42	8,48	1503,00	153306
	FZNRHD24K44	44	9,30	1650,00	168300
328 WIRES 24xK17S compacted strands right lang lay left lang lay Tensile rope grade 1960 N/mm²					



NOTOR HP COMPATTATA PARALLELA (zincata)

NOTOR HP COMPACTED STRANDS LANG LAY (galvanized)

	Codice Code	Diametro fune Rope diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
 196 FILI 28xK7 trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²	FZNOTORP10	10	0,49	99,00	10098
	FZNOTORP11	11	0,59	119,80	12220
	FZNOTORP12	12	0,71	142,60	14545
	FZNOTORP13	13	0,83	167,30	17065
	FZNOTORP14	14	0,96	194,00	19788
	FZNOTORP15	15	1,10	222,80	22726
	FZNOTORP16	16	1,25	253,40	25847
	FZNOTORP17	17	1,42	286,10	29182
 224 FILI 32xK7 trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²	FZNOTORP18	18	1,59	317,60	32395
	FZNOTORP19	19	1,77	353,90	36098
	FZNOTORP20	20	1,96	392,20	40004
	FZNOTORP21	21	2,16	432,40	44105
	FZNOTORP22	22	2,38	474,50	48399
	FZNOTORP23	23	2,60	518,60	52897
	FZNOTORP24	24	2,83	564,70	57599
	FZNOTORP25	25	3,07	612,70	62495
 245 FILI 35xK7 trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²	FZNOTORP26	26	3,32	662,70	67595
	FZNOTORP28	28	3,87	760,80	77602
	FZNOTORP29	29	4,15	816,00	83232
	FZNOTORP30	30	4,44	873,00	89046
	FZNOTORP32	32	5,05	994,00	101388
	FZNOTORP34	34	5,71	1122,00	114444
	FZNOTORP36	36	6,40	1258,00	128316
	FZNOTORP38	38	7,13	1401,00	142902
 535 FILI 35xK17S trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²	FZNOTORP40	40	7,90	1553,00	158406
	FZNOTORP42	42	8,71	1712,00	174624
	FZNOTORP44	44	9,56	1879,00	191658
	FZNOTORP46	46	10,45	2053,00	209406
	FZNOTORP48	48	11,37	2236,00	228072
	FZNOTORP50,8	50,8	12,68	2402,00	245004
	FZNOTORP52	52	13,29	2516,00	256632
	FZNOTORP54	54	14,33	2714,00	276828
 535 FILI 35xK17S trefoli compattati parallela destra parallela sinistra Resistenza 2160 N/mm²	FZNOTORP56	56	15,41	2919,00	297738
	FZNOTORP58	58	16,53	3131,00	319362
	FZNOTORP60	60	17,69	3350,00	341700
	FZNOTORP62	62	18,89	3577,00	364854
	FZNOTORP64	64	20,13	3812,00	388824
	FZNOTORP66	66	22,07	4100,00	418200





Funi di acciaio per applicazioni generiche e speciali

Steel wire rope for standard
and special application



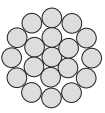
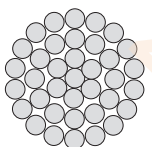
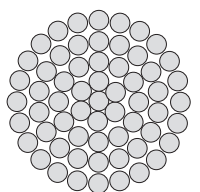
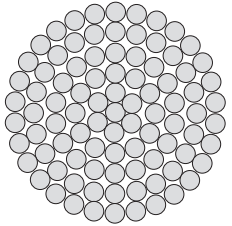
Funi di acciaio per applicazioni speciali

Steel wire rope for special applications

IMPIEGHI STRUTTURALI TENSILE STRUCTURES

Fune spirooidale di acciaio zincato

Galvanized open spiral strand

	Codice Code	Fune Rope	Formazione Construction	MBF kN	A mm ²	F _{R,d} kN	Peso Weight kg/m
 1x19	FZ 11902	2	1x19	3,80	2,39	-	0,02
	FZ 11903	3	1x19	8,70	5,38	-	0,04
	FZ 11904	4	1x19	15,50	9,56	-	0,08
	FZ 11905	5	1x19	24,20	14,90	-	0,12
	FZ 11906	6	1x19	32,80	21,50	-	0,17
	FZ 11907	7	1x19	44,10	29,30	-	0,24
	FZ 11908	8	1x19	54,00	38,00	33	0,32
	FZ 11910	10	1x19	85,00	59,70	52	0,50
	FZ 11912	12	1x19	129,00	85,90	78	0,71
	FZ 11914	14	1x19	176,00	116,90	107	0,97
 1x37	FZ 13716	16	1x37	230,00	151,70	139	1,27
	FZ 13718	18	1x37	295,00	192,00	179	1,60
	FZ 13720	20	1x37	365,00	237,10	221	1,98
	FZ 13722	22	1x37	440,00	286,90	267	2,40
 1x61	FZ 16124	24	1x61	535,00	340,50	324	2,85
	FZ 16126	26	1x61	635,00	399,60	385	3,35
	FZ 16128	28	1x61	740,00	463,40	448	3,88
 1x91	FZ 19130	30	1x91	850,00	531,30	515	4,46
	FZ 19132	32	1x91	970,00	604,50	588	5,07
	FZ 19134	34	1x91	1095,00	682,40	664	5,72
	FZ 19136	36	1x91	1225,00	765,10	741	6,42
	FZ 19138	38	1x91	1365,00	852,40	827	7,15
	FZ 19140	40	1x91	1510,00	944,50	915	7,92
	FZ 19142	42	1x91	1670,00	1041,30	1012	8,73
	FZ 19144	44	1x91	1830,00	1141,30	1109	9,58
	FZ 19146	46	1x91	2005,00	1247,50	1215	10,47
	FZ 19148	48	1x91	2180,00	1358,30	1321	11,40
	FZ 19152	52	1x91	2560,00	1594,00	1552	13,38
	FZ 19154	54	1x91	2765,00	1719,20	1676	14,43
	FZ 19156	56	1x91	2970,00	1849,10	1800	15,52
	FZ 19158	58	1x91	3200,00	1983,10	1939	16,65
	FZ 19160	60	1x91	3400,00	2122,00	2061	17,82

- Fune zincata in accordo con EN 12385-10 class A e EN 10264-2
- MBF = Forza di rottura fune (F_{min})
- F_{R,d} = Forza di progetto limite
- A = Sezione metallica
- E = 160 ± 10 kN/mm² (Modulo Elastico)

- Galvanized rope according to EN 10264-2 class A and EN 12385-10
- MBF = Min. Breaking Force (F_{min})
- F_{R,d} = Design Force
- A = Metallic cross section
- E = 160 ± 10 kN/mm² (Elastic Modulus)

- Note: rif. Eurocode 3
- F_{min} = Forza di rottura fune (MBF)
- F_{u,k} = Forza di rottura caratteristica
- F_{u,k} = [MBF / Y_R] con Y_R = 1
- F_{R,d} = [(MBF / 1,5) / Y_R] con Y_R = 1,1
- Y_R = Coeff. di sicurezza

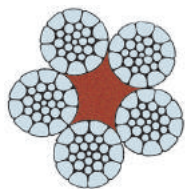
- Note: rif. Eurocode 3
- F_{min} = Min. Breaking Force (MBF)
- F_{u,k} = Characteristic tensile strength
- F_{u,k} = [MBF / Y_R] with Y_R = 1
- F_{R,d} = [(MBF / 1,5) / Y_R] with Y_R = 1,1
- Y_R = Safety factor

Funi di acciaio per applicazioni speciali

Steel wire rope for special applications

AZN CINQUOPLAST (zincata)

AZN CINQUOPLAST (galvanized)

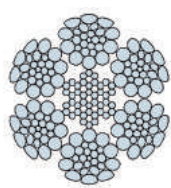


PER APPARECCHI A FUNE PASSANTE FOR MANUAL WINCHES

	Codice Code	Diametro funne Rope diameter mm	Tolleranza sul diametro Tolerance on diameter mm	Resistenza Strength N/mm ²	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
							kN	kg
5x26+PP (130 fili ø8,4 a ø14)	FZCIN08,4	8,4	0-0,2	2160	0,67	0,25	51,5	5260
5x31+PP (155 fili ø163)	FZCIN09,5	9,5	0-0,3	1960	0,77	0,34	66,8	6820
trefoli compattati	FZCIN010,2	10,2	0-0,3	2160	0,83	0,39	83,0	8470
anima polipropilene	FZCIN011,5	11,5	0-0,3	1960	0,93	0,48	93,5	9550
crociata destra	FZCIN016,3	16,3	0-0,3	1960	1,15	1,01	194,0	19800

AL 626 ACKK (lucida)

AL 626 ACKK (ungalvanized)

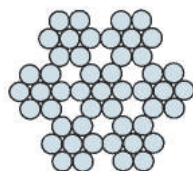


PER USO FORESTALE FOR FOREST

	Codice Code	Diametro funne Rope diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
205 FILI	FL626AKK08	8	0,360	65,00	6630
6x26KKWS+IWRC	FL626AKK09	9	0,450	79,50	8109
trefoli martellati	FL626AKK10	10	0,560	95,70	9761
crociata destra	FL626AKK11	11	0,680	116,00	11832
Resistenza 1960 N/mm²	FL626AKK12	12	0,800	137,00	13974
205 WIRES	FL626AKK13	13	0,940	160,70	16391
6x26KKWS+IWRC	FL626AKK14	14	0,960	180,00	18360
swaged strands					
right regular lay					
Tensile rope grade 1960 N/mm²					

AZN 707 (zincata)

AZN 707 (galvanized)



	Codice Code	Diametro funne Rope diameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
					kN	kg
49 FILI	FZ70702	2	0,22	0,016	3,00	300
7X7	FZ70702,5	2,5	0,28	0,024	4,50	460
crociata destra	FZ70703	3	0,32	0,036	7,00	710
Resistenza 1770 N/mm²	FZ70704	4	0,42	0,063	11,80	1200
49 WIRES	FZ70705	5	0,54	0,098	19,60	2000
7X7	FZ70706	6	0,65	0,142	28,00	2850
right regular lay	FZ70707	7	0,75	0,193	38,50	3930
Tensile rope grade 1770 N/mm²	FZ70708	8	0,86	0,252	50,00	5100
	FZ70710	10	1,11	0,393	62,50	6370
	FZ70712	12	1,33	0,567	90,00	9180

Funi di acciaio per applicazioni speciali

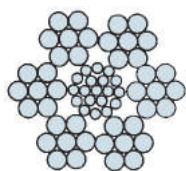
Steel wire rope for special applications

FUNI ZINCATE PER TAGLIO MARMO

GALVANIZED STEEL WIRE ROPE FOR MARBLE CUTTING

AZN 607 TM (zincata)

AZN 607 TM (galvanized)



61 FILI

6x7+WS
anima metallica
crociata destra

Resistenza 1960 N/mm²

61 WIRES

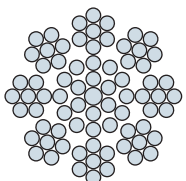
6x7+WS
steel core
right regular lay

Tensile rope grade 1960 N/mm²

Codice Code	Diametro funo Ropediameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
FZ607TM04,8	4,85	0,53	0,10	18,50	1890

AZN 807 TM (zincata)

AZN 807 TM (galvanized)



75 FILI

8x7+WS
anima metallica
crociata destra

Resistenza 1960 N/mm²

75 WIRES

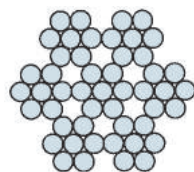
8x7+WS
steel core
right regular lay

Tensile rope grade 1960 N/mm²

Codice Code	Diametro funo Ropediameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
FZ807TM04,8	4,85	0,43	0,10	17,50	1785

AZN 707 TM (zincata)

AZN 707 TM (galvanized)



49 FILI

6x7+WS
anima metallica
crociata destra

Resistenza 1960 N/mm²

49 WIRES

6x7+WS
steel core
right regular lay

Tensile rope grade 1960 N/mm²

Codice Code	Diametro funo Rope diameter mm	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
				kN	kg
FZ707TM02,9	2,95	0,32	0,036	6,87	700
FZ707TM03,4	3,45	0,36	0,047	9,32	950

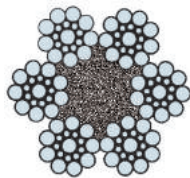
Funi di acciaio per applicazioni speciali

Steel wire rope for special applications

PER ASCENSORI E MONTACARICHI
FOR LIFTS AND ELEVATORS

ASC 619 (lucida)

ASC 619 (ungalvanized)



114 FILI

6(9+9+1)S+FC
anima tessile
crociata destra
crociata sinistra

Resistenza

1370/1770 N/mm²

EN 12385-5

114 WIRES

6(9+9+1)S+FC
fiber core
right regular lay
left regular lay

Tensile rope grade

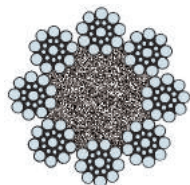
1370/1770 N/mm²

EN 12385-5

Codice Code	Diametro funo Rope diameter mm	Sezione metallica Metallic cross section mm ²	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
					kN	kg
FL619ASD08	8	25,8	0,65	0,240	31,70	3233
FL619ASD09	9	32,3	0,70	0,298	40,10	4090
FL619ASD10	10	39,5	0,78	0,365	49,50	5049
FL619ASD11	11	48,0	0,87	0,440	59,90	6110
FL619ASD12	12	57,2	0,95	0,530	71,30	7273
FL619ASD13	13	67,2	1,02	0,620	83,7	8537

ASC 819 (lucida)

ASC 819 (ungalvanized)



152 FILI

8(9+9+1)S+FC
anima tessile
crociata destra
crociata sinistra

Resistenza

1370/1770 N/mm²

EN 12385-5

152 WIRES

8(9+9+1)S+FC
fiber core
right regular lay
left regular lay

Tensile rope grade

1370/1770 N/mm²

EN 12385-5

Codice Code	Diametro funo Rope diameter mm	Sezione metallica Metallic cross section mm ²	Diametro fili esterni Outer wires diameter mm	Peso per metro Weight for meter kg	Carico rottura minimo MBL	
					kN	kg
FL819ASD08	8	23,0	0,51	0,19	28,10	2866
FL819ASD09	9	29,0	0,57	0,25	35,60	3631
FL819ASD10	10	36,1	0,63	0,32	44,00	4488
FL819ASD11	11	43,5	0,69	0,41	53,20	5426
FL819ASD12	12	52,0	0,75	0,49	63,30	6457
FL819ASD13	13	61,0	0,82	0,57	74,30	7578
FL819ASD15	15	81,0	0,98	0,76	98,90	10088

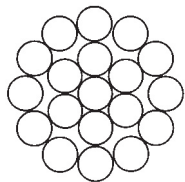
Funi di acciaio per applicazioni generiche e speciali

Steel wire rope for standard and special application

ACCIAIO INOSSIDABILE STAINLESS STEEL

Fune spiroidale di acciaio inossidabile IX 119

IX 119 stainless steel open spiral strand

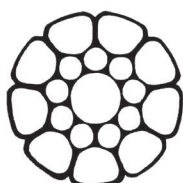


- Acciaio inossidabile AISI 316
- Fune in accordo con EN 10264-4
- Classe di resistenza 1570 N/mm²
- Stainless Steel AISI 316
- Rope according to EN 10264-4
- Rope grade 1570 N/mm²

Codice Code	Fune Rope Ø mm	Formazione Construction	Peso Weight Kg/m	Carico di rottura minimo MBL	
				kN	Kg
FX11901	1	1x19	0,005	0,90	90
FX11901,5	1,5	1x19	0,012	2,00	200
FX11902	2	1x19	0,020	3,50	355
FX11902,5	2,5	1x19	0,031	5,50	560
FX11903	3	1x19	0,045	7,50	765
FX11904	4	1x19	0,079	14,00	1420
FX11905	5	1x19	0,124	20,60	2100
FX11906	6	1x19	0,178	29,50	3000
FX11907	7	1x19	0,243	40,50	4100
FX11908	8	1x19	0,322	53,00	5400
FX11910	10	1x19	0,502	84,00	8500
FX11912	12	1x19	0,717	109,00	11200
FX11914	14	1x19	0,973	140,00	14280
FX11916	16	1x19	1,280	183,10	18680
FX11919	19	1x19	1,760	233,00	23750
FX11922	22	1x19	2,360	299,00	30479
FX11926	26	1x19	3,300	416,00	42405
FX11928	28	1x37	3,890	455,00	46500

Fune spiroidale di acciaio inossidabile IX 119 compattata

Compact IX 119 stainless steel open spiral strand



1x19

- Acciaio inossidabile AISI 316
- Fune in accordo con EN 10264-4
- Classe di resistenza 1570 N/mm²
- Stainless Steel AISI 316
- Rope according to EN 10264-4
- Rope grade 1570 N/mm²

Codice Code	Fune Rope Ø mm	Formazione Construction	Peso Weight Kg/m	Carico di rottura minimo MBL	
				kN	Kg
FXC10702	2	1x7	0,020	4,10	440
FXC107025	2,5	1x7	0,030	6,80	690
FXC10703	3	1x7	0,050	9,80	1000
FXC107035	3,5	1x7	0,070	13,30	1360
FXC10704	4	1x7	0,090	17,50	1780
FXC11905	5	1x19	0,140	25,50	2600
FXC11906	6	1x19	0,200	35,30	3600
FXC11907	7	1x19	0,270	49,00	5000
FXC11908	8	1x19	0,360	61,80	6300
FXC11910	10	1x19	0,570	98,00	10000
FXC11912	12	1x19	0,820	142,20	14500
FXC12514	14	1x25	1,160	189,30	19300
FXC12516	16	1x25	1,500	251,10	25600
FXC13119	19	1x31	2,060	313,90	32000

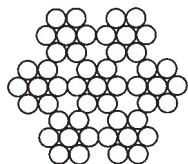
Funi di acciaio per applicazioni generiche e speciali

Steel wire rope for standard and special application

ACCIAIO INOSSIDABILE STAINLESS STEEL

Fune di acciaio inossidabile IX 707

IX 707 stainless steel open strand

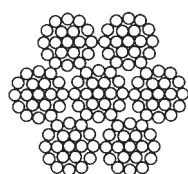


- Acciaio inossidabile AISI 316
- Fune in accordo con EN 10264-4
- Classe di resistenza 1570 N/mm²
- Stainless Steel AISI 316
- Rope according to EN 10264-4
- Rope grade 1570 N/mm²

Codice Code	Fune Rope Ø mm	Formazione Construction	Peso Weight Kg/m	Carico di rottura minimo MBL	
				kN	Kg
FX70701	1	7x7	0,004	0,80	80
FX70701,25	1,25	7x7	0,006	1,15	117
FX70701,5	1,5	7x7	0,009	1,50	150
FX70702	2	7x7	0,016	2,50	250
FX70702,5	2,5	7x7	0,025	3,60	360
FX70703	3	7x7	0,036	6,50	660
FX70704	4	7x7	0,063	9,90	1000
FX70705	5	7x7	0,097	15,70	1600
FX70706	6	7x7	0,145	21,60	2200
FX70707	7	7x7	0,191	31,50	3200
FX70708	8	7x7	0,254	40,50	4100
FX70710	10	7x7	0,375	61,80	6300
FX70712	12	7x7	0,567	77,00	7860
FX70714	14	7x7	0,780	105,80	10800
FX70716	16	7x7	1,050	132,20	14000
FX70718	18	7x7	1,320	175,40	17900
FX70720	20	7x7	1,590	215,60	22000
FX70722	22	7x7	2,050	259,80	26500
FX70724	24	7x7	2,290	302,94	30900

Fune di acciaio inossidabile IX 719

IX 719 stainless steel open strand



- Acciaio inossidabile AISI 316
- Fune in accordo con EN 10264-4
- Classe di resistenza 1570 N/mm²
- Stainless Steel AISI 316
- Rope according to EN 10264-4
- Rope grade 1570 N/mm²

Codice Code	Fune Rope Ø mm	Formazione Construction	Peso Weight Kg/m	Carico di rottura minimo MBL	
				kN	Kg
FX71902	2	7x19	0,017	2,50	250
FX71902,5	2,5	7x19	0,025	3,50	350
FX71903	3	7x19	0,036	6,00	600
FX71904	4	7x19	0,063	9,50	950
FX71905	5	7x19	0,098	13,80	1400
FX71906	6	7x19	0,140	20,60	2100
FX71907	7	7x19	0,197	30,50	3100
FX71908	8	7x19	0,259	37,50	3800
FX71910	10	7x19	0,380	59,00	6000
FX71912	12	7x19	0,587	84,50	8600
FX71914	14	7x19	0,772	105,30	10740
FX71916	16	7x19	0,955	135,20	13780

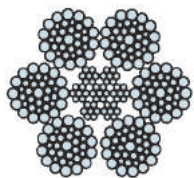
Funi di acciaio per applicazioni generiche e speciali

Steel wire rope for standard and special application

ACCIAIO INOSSIDABILE STAINLESS STEEL

Fune di acciaio inossidabile IX 636

IX 636 stainless steel open strand



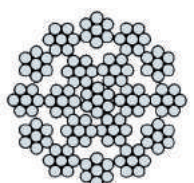
- 6x36WS+IWRC
- Acciaio inossidabile AISI 316
- Fune in accordo con EN 10264-4
- Classe di resistenza 1570 N/mm²

- 6x36WS+IWRC
- Stainless Steel AISI 316
- Rope according to EN 10264-4
- Rope grade 1570 N/mm²

Codice Code	Fune Rope Ø mm	Formazione Construction	Peso Weight Kg/m	Carico di rottura minimo MBL	
				kN	Kg
FX636A08	8	6x36WS+IWRC	0,260	35,70	3640
FX636A10	10	6x36WS+IWRC	0,400	55,90	5700
FX636A12	12	6x36WS+IWRC	0,590	80,50	8210
FX636A14	14	6x36WS+IWRC	0,800	110,00	11200
FX636A16	16	6x36WS+IWRC	1,050	143,00	14600
FX636A18	18	6x36WS+IWRC	1,330	181,00	18500
FX636A20	20	6x36WS+IWRC	1,640	224,00	22800
FX636A22	22	6x36WS+IWRC	1,980	271,00	27600
FX636A24	24	6x36WS+IWRC	2,360	322,00	32800
FX636A26	26	6x36WS+IWRC	2,760	354,00	36100
FX636A28	28	6x36WS+IWRC	3,210	410,00	41800
FX636A30	30	6x36WS+IWRC	3,680	471,00	48000

Fune di acciaio inossidabile IX 1907

IX1907 stainless steel open strand



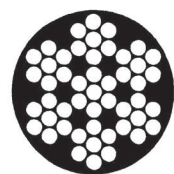
- 19x7
- Acciaio inossidabile AISI 316
- Fune in accordo con EN 10264-4
- Classe di resistenza 1570 N/mm²

- 19x7
- Stainless Steel AISI 316
- Rope according to EN 10264-4
- Rope grade 1570 N/mm²

Codice Code	Fune Rope Ø mm	Formazione Construction	Peso Weight Kg/m	Carico di rottura minimo MBL	
				kN	Kg
FX180701,5	1,5	19x7	0,009	1,20	122
FX180702	2	19x7	0,016	2,13	217
FX180702,5	2,5	19x7	0,025	3,32	339
FX180703	3	19x7	0,040	4,66	475
FX180704	4	19x7	0,070	8,50	867
FX180705	5	19x7	0,100	12,90	1320
FX180706	6	19x7	0,144	18,50	1890
FX180707	7	19x7	0,196	25,20	2570
FX180708	8	19x7	0,257	33,00	3370
FX180710	10	19x7	0,400	51,50	5250
FX180712	12	19x7	0,577	74,20	7570
FX180714	14	19x7	0,752	100,90	10289
FX180716	16	19x7	1,015	129,30	13179

Fune di acciaio inossidabile IX 707 rivestita PVC bianco

White PVC coated IX 707 stainless steel open strand



- Acciaio inossidabile AISI 316
- Fune in accordo con EN 10264-4
- Classe di resistenza 1570 N/mm²

- Stainless Steel AISI 316
- Rope according to EN 10264-4
- Rope grade 1570 N/mm²

Codice Code	Fune Rope Ø mm	Fune rivestita Coated rope Ø mm	Formazione Construction	Peso Weight Kg/m	Carico di rottura minimo MBL	
					kN	Kg
FX49PVB304	3	4	7x7	0,036	6,50	660
FX49PVB306	3	6	7x7	0,060	6,50	660
FX49PVB407	4	7	7x7	0,108	9,90	1000
FX49PVB408	4	8	7x7	0,120	9,90	1000
FX49PVB510	5	10	7x7	0,146	15,70	1600



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