



GL LOCATELLI
Sistemi di ancoraggio

unigi
system **UNTO**

Fissaggio impianti
Metal framing



GL Locatelli da 40 anni progetta e produce sistemi di ancoraggio in acciaio per l'edilizia e l'impiantistica.

E' affermata negli ancoraggi su struttura in calcestruzzo, ancoraggi per la prefabbricazione industrializzata, ancoraggi per facciate ventilate in acciaio, inox e alluminio.

La gamma Unigiunto raccoglie la linea completa di profili, piastre e accessori per la rapida installazione in cantiere di impianti idraulici, riscaldamento, condizionamento, elettrici, segnaletica, controsoffitti ecc..

Tutti i prodotti della gamma Unigiunto sono CE in quanto prodotti da azienda certificata EN1090 dal maggio 2013

GL Locatelli since 40 year designs and produces anchoring steel system for construction and plant engineering.

GL Locatelli has established itself in the anchors of concrete structure, anchors for prefabricated building and anchors for ventilated facades (steel, stainless steel and aluminium).

Unigiunto production collects a complete line of profiles, plates and accessories for fastening in site installation, plumbing systems, heating systems, cooling systems, electrical systems, signage, countertops and so on.

All Unigiunto products are CE warranted as products EN1090 certified company since May 2013

Unigiunto system

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Tutti i prodotti della gamma Unigiunto sono CE in quanto prodotti da azienda certificata EN1090 dal maggio 2013

Ai fini di migliorare la qualità e le prestazioni dei prodotti GL Locatelli, ci riserviamo la facoltà di apportare modifiche senza alcun preavviso.



All Unigiunto products are EC warranted as products EN1090 certified company since May 2013

In the interests of improving the quality and performance of GL Locatelli products, we reserve the right to make specification changes without prior notice.

K1

K1D

K1 2 mm

K2

K2D

K2 2 mm

K62

K62 3mm

K82

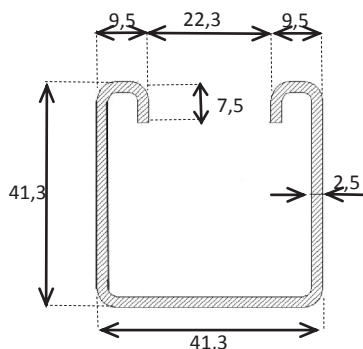
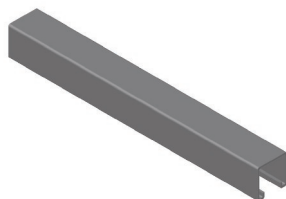
K30

K32

K1Z

GPBK2

GL1



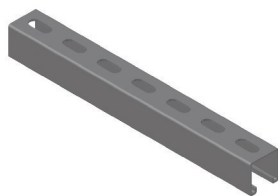
Profilo K1 = 41x41x2,5 mm
Kg/ml. 2,69
ml.3 - ml.6

Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
343	75.293	94.755	3.281	4.589	525	734,2	20,65	22,95

mm	kN	mm	kN	mm
500	8,40	0,86	4,20	0,69
1000	4,20	3,46	2,10	2,77
1500	2,80	7,78	1,40	6,23
2000	2,10	13,83	1,05	11,07
2500	1,68	21,62	0,84	17,29
3000	1,40	31,13	0,70	24,90

Codice ML 3 Materiale
GZSK103 Acciaio S235JR zinc.senzimir EN 10142
GZK1203 Acciaio S235JR zinc.a caldo EN ISO 1461
GDK103 Acciaio S235JR nero

Code ML 3 Material
GZSK103 S235JR steel sedzimir galv. EN 10142
GZK1203 S235JR steel - hot dip galv. EN ISO 1461
GDK103 S235JR black steel



K1 asolato

Profilo K1 = 41x41x2,5 mm
asole mm 13x30, passo mm 50
Kg/ml. 2,55
ml.3 - ml.6

Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
310	64.773	94.297	3.062	4.566	489,9	730,6	20,65	21,15

mm	kN	mm	kN	mm
500	7,84	0,94	3,92	0,75
1000	3,92	3,75	1,96	3,00
1500	2,61	8,44	1,31	6,75
2000	1,96	15,01	0,98	12,01
2500	1,57	23,45	0,78	18,76
3000	1,31	33,77	0,65	27,01

Codice ML 3 Materiale
GZSK103B Acciaio S235JR zinc.senzimir EN 10142
GZK1203A Acciaio S235JR zinc.a caldo EN ISO 1461
GDK103-AB Acciaio S235JR nero

Code ML 3 Material
GZSK103B S235JR steel sedzimir galv. EN 10142
GZK1203A S235JR steel - hot dip galv. EN ISO 1461
GDK103-AB S235JR black steel

K1

K1D

K1 2 mm

K2

K2D

K2 2 mm

K62

K62 3mm

K82

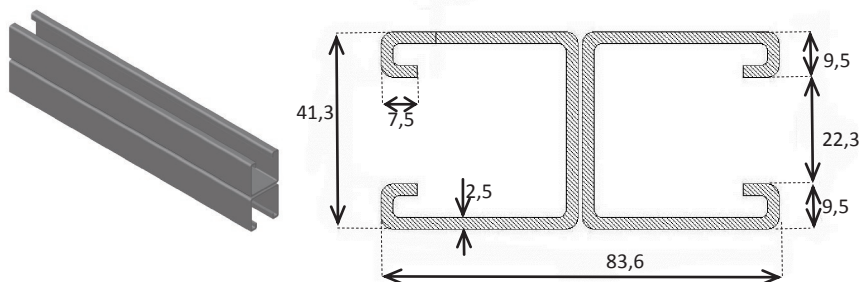
K30

K32

K1Z

GPk2

GL1



Profilo K1D anchor channel
mm 41x83x2,5
Kg/ml. 2,69
ml.3 - ml.6

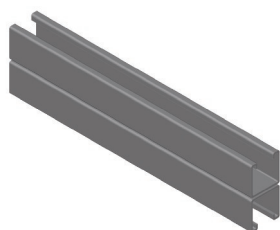
Area della sezione	Momento d'inerzia		Modulo di sezione minimo		Mom. Max. ammissibile		Assi	
Section area	Moment of inertia		Section modulus		Max admissible mom.		Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
686	381.514	189.510	9.238	9.177	1.478,1	1.468,3	20,65	41,30

mm	kN	mm	kN	mm
500	23,65	0,48	11,82	0,38
1000	11,82	1,92	5,91	1,54
1500	7,88	4,32	3,94	3,46
2000	5,91	7,69	2,96	6,15
2500	4,73	12,01	2,36	9,61
3000	3,94	17,30	1,97	13,84

Codice ML 3 Materiale
GZEK1D03 Acciaio S235JR zinc.eletttr. EN 10142
GZKD03 Acciaio S235JR zinc.a caldo EN ISO 1461
GDK103 Acciaio S235 JR nero
GIK1D03 Inox AISI 304

Code ML 3 Material
GZEK1D03 S235JR steel electr. galv. EN 10142
GZKD03 S235JR steel - hot dip galv.EN ISO 1461
GDK103 S235JR black steel
GIK1D03 A2 Stainless steel

K1D asolato



Profilo K1D anchor channel
mm 41x83x2,5
asole / slot mm 13x30
passo /pitch mm 50
Kg/ml. 2,64
ml.3 - ml.6

Area della sezione	Momento d'inerzia		Modulo di sezione minimo		Mom. Max. ammissibile		Assi	
Section area	Moment of inertia		Section modulus		Max admissible mom.		Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
621	381.379	188.594	9.234	9.133	1.477,4	1.461,3	20,65	41,30

mm	kN	mm	kN	mm
500	23,64	0,48	11,82	0,38
1000	11,82	1,92	5,91	1,54
1500	7,88	4,32	3,94	3,46
2000	5,91	7,69	2,95	6,15
2500	4,73	12,01	2,36	9,61
3000	3,94	17,30	1,97	13,84

Codice ML 3 Materiale
GZEK1D03A Acciaio S235JR zinc.eletttr. EN 10142
GZK1D03A Acciaio S235JR zinc.a caldo EN ISO 1461
GNK1D03A Acciaio S235JR nero
GIK1D03A Inox AISI 304

Code ML 3 Material
GZEK1D03A S235JR steel electr. galv. EN 10142
GZK1D03A S235JR steel - hot dip galv.EN ISO 1461
GNK1D03A S235JR black steel
GIK1D03A A2 Stainless steel

K1

K1D

K1 2 mm

K2

K2D

K2 2 mm

K62

K62 3mm

K82

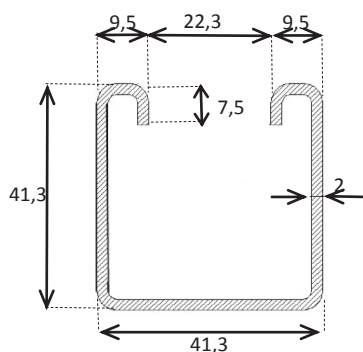
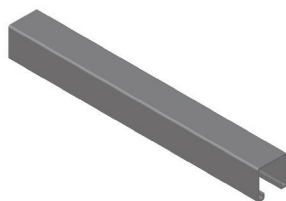
K30

K32

K1Z

GPk2

GL1



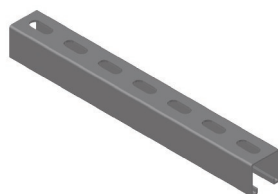
Profilo K1D = 41x41x2 mm
Kg/ml. 2,19
ml.3 - ml.6

Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
279	62.912	78.465	2.753	3.800	440,5	608,0	20,65	22,85

mm	kN	mm	kN	mm
500	7,05	0,87	3,52	0,69
1000	3,52	3,47	1,76	2,78
1500	2,35	7,82	1,17	6,25
2000	1,76	13,89	0,88	11,12
2500	1,41	21,71	0,70	17,37
3000	1,17	31,26	0,59	25,01

Codice ML 3 Materiale
GZSK103-M2 Acciaio S235JR zinc.sen EN 10142
GZK1203-MM2 Acciaio S235JR zinc.a caldo EN ISO 1461
GNK103-MM2 Acciaio S235JR nero
GIK103 Inox AISI 304

Code ML 3 Material
GZSK103-M2 S235JR steel sendzimir galv. EN 10142
GZK1203-MM2 S235JR steel - hot dip galv. EN ISO 1461
GNK103-MM2 S235JR black steel
GIK103 A2 Stainless steel



Profilo K1 2mm = 41x41x2 mm
asole mm 13x30, passo mm 50
Kg/ml. 2,08
ml.3 - ml.6

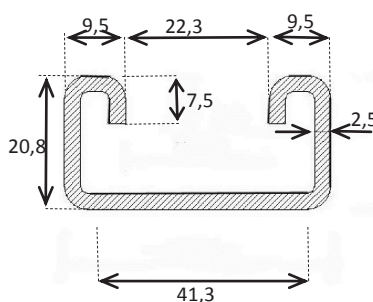
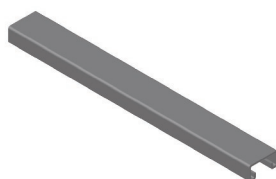
Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
253	54.172	78.099	2.573	3.782	411,7	605,1	20,65	21,06

mm	kN	mm	kN	mm
500	6,59	0,94	3,29	0,75
1000	3,29	3,77	1,65	3,02
1500	2,20	8,48	1,10	6,78
2000	1,65	15,08	0,82	12,06
2500	1,32	23,56	0,66	18,85
3000	1,10	33,92	0,55	27,14

Codice ML 3 Materiale
GZSK103-MM2 Acciaio S235JR zinc.sendzimir EN 10142
GZK1203A-MM2 Acciaio S235JR zinc.a caldo EN ISO 1461
GDK103-A Acciaio S235JR nero
GIK103AB Inox AISI 304

Code ML 3 Material
GZSK103-MM2 S235JR steel sedzimir galv. EN 10142
GZK1203A-MM2 S235JR steel - hot dip galv. EN ISO 1461
GDK103-A S235JR black steel
GIK103AB A2 Stainless steel

K1
K1D
K1 2 mm
K2
K2D
K2 2 mm
K62
K62 3mm
K82
K30
K32
K1Z
GPK2
GL1



Profilo K2 = 41x20x2,5 mm
Kg/ml. 1,97
ml.3 - ml.6

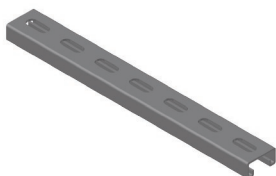
Area della sezione	Momento d'inerzia		Modulo di sezione minimo		Morn. Max. ammissibile		Assi	
Section area	Moment of inertia		Section modulus		Max admissible mom.		Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
251	13.873	59.081	1.161	2.882	185,8	461,1	20,65	11,95

mm	kN	mm	kN	mm
500	2,97	1,66	1,49	1,33
1000	1,49	6,64	0,74	5,31
1500	0,99	14,94	0,50	11,95
2000	0,74	26,56	0,37	21,25
2500	0,59	41,50	0,30	33,20
3000	0,50	59,76	0,25	47,81

Codice ML 3 Materiale
GZSK203 Acciaio S235JR zinc.senzimir EN 10142
GZK203 Acciaio S235JR zinc.a caldo EN ISO 1461
GDK203 Acciaio S235JR nero

Code ML 3 Material
GZSK203 S235JR steel sedzimir galv. EN 10142
GZK203 S235JR steel - hot dip galv. EN ISO 1461
GDK203 S235JR black steel

K2 asolato



Profilo K2 = 41x20x2,5 mm
asole mm 13x30, passo mm 50
Kg/ml. 1,83
ml.3 - ml.6

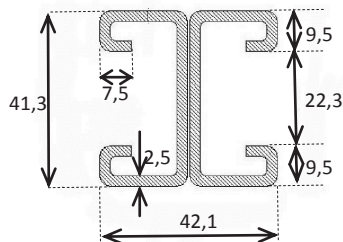
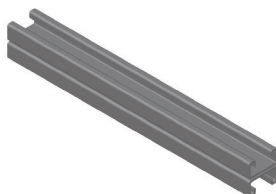
Area della sezione	Momento d'inerzia		Modulo di sezione minimo		Morn. Max. ammissibile		Assi	
Section area	Moment of inertia		Section modulus		Max admissible mom.		Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
219	11.701	58.624	1.081	2.860	173,0	457,6	20,65	11,95

mm	kN	mm	kN	mm
500	2,97	1,66	1,49	1,33
1000	1,49	6,64	0,74	5,31
1500	0,99	14,94	0,50	11,95
2000	0,74	26,56	0,37	21,25
2500	0,59	41,50	0,30	33,20
3000	0,50	59,76	0,25	47,81

Codice ML 3 Materiale
GZSK203A Acciaio S235JR zinc.senzimir EN 10142
GZK203B Acciaio S235JR zinc.a caldo EN ISO 1461
GDK203A Acciaio S235JR nero

Code ML 3 Material
GZSK203A S235JR steel sedzimir galv. EN 10142
GZK203B S235JR steel - hot dip galv. EN ISO 1461
GDK203A S235JR black steel

Profilo K2D = 41x41x2,5 mm
Kg/ml. 3,94
ml.3 - ml.6



Area della sezione	Momento d'inerzia		Modulo di sezione minimo		Mom. Max. ammissibile		Assi	
Section area	Moment of inertia		Section modulus		Max admissible mom.		Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
502	67.083	118.163	3.225	5.722	516,0	915,5	20,65	20,80

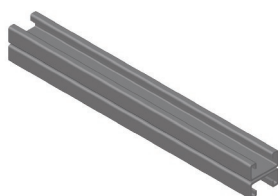


mm	kN	mm	kN	mm
500	8,26	0,95	4,13	0,76
1000	4,13	3,82	2,06	3,05
1500	2,75	8,59	1,38	6,87
2000	2,06	15,26	1,03	12,21
2500	1,65	23,85	0,83	19,08
3000	1,38	34,34	0,69	27,47

Codice ML 3 Materiale
GDEK203 Acciaio S235JR zinc. elettr. EN 10142
GDCK203 Acciaio S235JR zinc.a caldo EN ISO 1461
GDNK203 Acciaio S235JR nero

Code ML 3 Material
GDEK203 S235JR steel electr. galv. EN 10142
GDCK203 S235JR steel - hot dip galv. EN ISO 1461
GDNK203 S235JR black steel

Profilo K2D = 41x41x2,5 mm
asole mm 13x30, passo mm 50
Kg/ml. 3,66
ml.3 - ml.6



Area della sezione	Momento d'inerzia		Modulo di sezione minimo		Mom. Max. ammissibile		Assi	
Section area	Moment of inertia		Section modulus		Max admissible mom.		Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
437	66.948	117.247	3.219	5.719	515,0	915,0	20,65	20,80

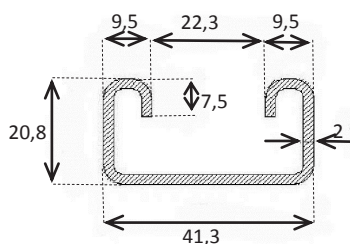
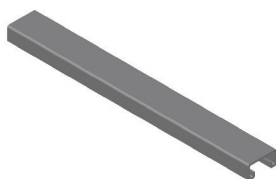


mm	kN	mm	kN	mm
500	8,24	0,95	4,12	0,76
1000	4,12	3,82	2,06	3,05
1500	2,75	8,59	1,37	6,87
2000	2,06	15,26	1,03	12,21
2500	1,65	23,85	0,82	19,08
3000	1,37	34,34	0,69	27,47

Codice ML 3 Materiale
GZK2D03A Acciaio S235JR zinc.elettr. EN 10142
GCK2D03A Acciaio S235JR zinc.a caldo EN ISO 1461
GDK2D03A Acciaio S235JR nero

Code ML 3 Material
GZK2D03A S235JR steel electr. galv. EN 10142
GCK2D03A S235JR steel - hot dip galv. EN ISO 1461
GDK2D03A S235JR black steel

K1
K1D
K1 2 mm
K2
K2D
K2 2 mm
K62
K62 3mm
K82
K30
K32
K1Z
GPK2
GL1



Profilo K2 2mm= 41x21x2 mm
Kg/ml. 1,55
ml.3 - ml.6

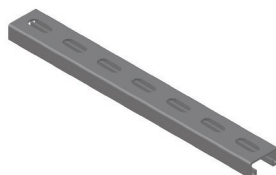
Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
197	11.178	46.776	923	2.265	147,7	362,4	20,65	12,12

mm	kN	mm	kN	mm
500	2,36	1,64	1,18	1,31
1000	1,18	6,55	0,59	5,24
1500	0,79	14,74	0,39	11,79
2000	0,59	26,20	0,30	20,96
2500	0,47	40,94	0,24	32,75
3000	0,39	58,96	0,20	47,17

Codice ML 3 Materiale
GZSK203A-MM2 Acciaio S235JR zinc.senzimir EN 10142
GZSK203C-MM2 Acciaio S235JR zinc.a caldo EN ISO 1461
GNK203A-MM2 Acciaio S235JR nero
GIK203AB Inox AISI 304

Code ML 3 Material
GZSK203A-MM2 S235JR steel sedzimir galv. EN 10142
GZSK203C-MM2 S235JR steel - hot dip galv. EN ISO 1461
GNK203A-MM2 S235JR black steel
GIK203AB A2 Stainless steel

K2 2mm asolato



Profilo K2 2mm = 21x41x2 mm
asole mm 13x30, passo mm 50
Kg/ml. 1,43
ml.3 - ml.6

Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
171	9.400	46.410	859	2.247	137,4	359,5	20,65	10,95

mm	kN	mm	kN	mm
500	2,20	1,81	1,10	1,45
1000	1,10	7,25	0,55	5,80
1500	0,73	16,31	0,37	13,05
2000	0,55	29,00	0,27	23,20
2500	0,44	45,32	0,22	36,25
3000	0,37	65,26	0,18	52,20

Codice ML 3 Materiale
GZSK203-MM2 Acciaio S235JR zinc.senzimir EN 10142
GZK203B-MM2 Acciaio S235JR zinc.a caldo EN ISO 1461
GNK203-MM2 Acciaio S235JR nero
GIK203-AAA Inox AISI 304

Code ML 3 Material
GZSK203-MM2 S235JR steel sedzimir galv. EN 10142
GZK203B-MM2 S235JR steel - hot dip galv. EN ISO 1461
GNK203-MM2 S235JR black steel
GIK203-AAA A2 Stainless steel

K1
K1D
K1 2 mm
K2
K2D
K2 2 mm

K62

K62 3mm

K82

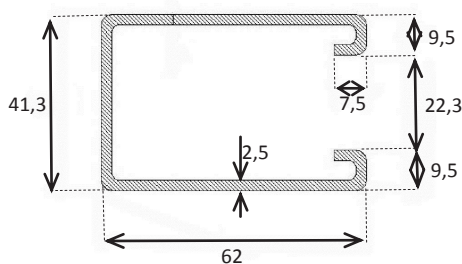
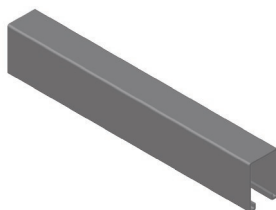
K30

K32

K1Z

GPk2

GL1



Profilo K62 = 41x62x2,5 mm
Kg/ml. 3,54
ml.3 - ml.6

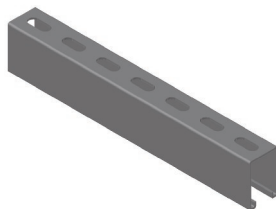
Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
451	211.407	132.598	6.473	6.468	1.035,7	1.034,9	20,50	28,34

mm	kN	mm	kN	mm
500	16,57	0,61	8,28	0,49
1000	8,28	2,43	4,14	1,94
1500	5,52	5,47	2,76	4,37
2000	4,14	9,72	2,07	7,78
2500	3,31	15,19	1,66	12,15
3000	2,76	21,87	1,38	17,50

Codice ML 3 Materiale
GZSK6203 Acciaio S235JR zinc.senzimir EN 10142
GZK6203 Acciaio S235JR zinc.a caldo EN ISO 1461
GNK6203 Acciaio S235JR nero
GIK6203 Inox AISI 304

Code ML 3 Material
GZSK6203 S235JR steel sedzimir galv. EN 10142
GZK6203 S235JR steel - hot dip galv. EN ISO 1461
GNK6203 S235JR black steel
GIK6203 A2 Stainless steel

K62 asolato



Profilo K62 = 62x41x2,5 mm
asole mm 13x30, passo mm 50
Kg/ml. 3,40
ml.3 - ml.6

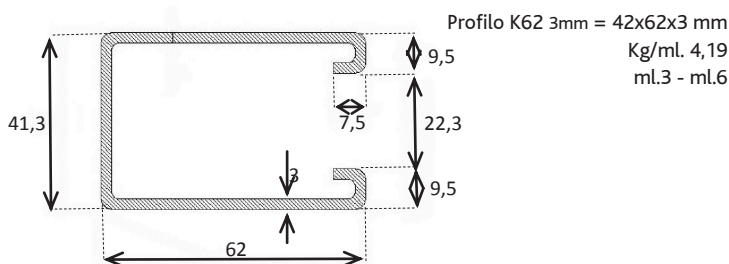
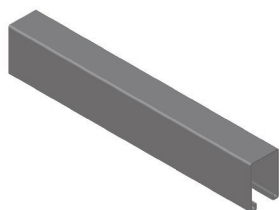
Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
419	185.694	132.140	6.076	6.446	972,2	1.031,3	20,50	30,44

mm	kN	mm	kN	mm
500	15,55	0,65	7,78	0,52
1000	7,78	2,60	3,89	2,08
1500	5,18	5,84	2,59	4,67
2000	3,89	10,39	1,94	8,31
2500	3,11	16,23	1,56	12,98
3000	2,59	23,37	1,30	18,70

Codice ML 3 Materiale
GZSK6203-A Acciaio S235JR zinc.senzimir EN 10142
GZK6203-A Acciaio S235JR zinc.a caldo EN ISO 1461
GNK6203-A Acciaio S235JR nero
GIK6203-A Inox AISI 304

Code ML 3 Material
GZSK6203-A S235JR steel sedzimir galv. EN 10142
GZK6203-A S235JR steel - hot dip galv. EN ISO 1461
GNK6203-A S235JR black steel
GIK6203-A A2 Stainless steel

K1
K1D
K1 2 mm
K2
K2D
K2 2 mm
K62
K62 3mm
K82
K30
K32
K1Z
GPK2
GL1



Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
534	248.161	160.782	7.410	7.843	1.185,7	1.254,9	21,00	28,51

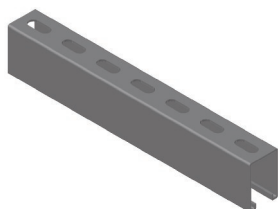


mm	kN	mm	kN	mm
500	18,97	0,59	9,49	0,47
1000	9,49	2,37	4,74	1,90
1500	6,32	5,33	3,16	4,27
2000	4,74	9,48	2,37	7,58
2500	3,79	14,81	1,90	11,85
3000	3,16	21,33	1,58	17,06

Codice ML 3 Materiale
GZSK6203-MM3 Acciaio S235JR zinc.senzimir EN 10142
GZK6203-MM3 Acciaio S235JR zinc.a caldo EN ISO 1461
GNK6203-MM3 Acciaio S235JR nero
GIK6203-MM3 Inox AISI 304

Code ML 3 Material
GZSK6203-MM3 S235JR steel sedzimir galv. EN 10142
GZK6203-MM3 S235JR steel - hot dip galv. EN ISO 1461
GNK6203-MM3 S235JR black steel
GIK6203-MM3 A2 Stainless steel

K62 3mm asolato



Profilo K62 3mm= 42x62x3 mm
asole mm 13x30, passo mm 50
Kg/ml. 4,03
ml.3 - ml.6

Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
495	217.433	160.233	6.934	7.816	1.109,4	1.250,6	21,00	30,64



mm	kN	mm	kN	mm
500	17,75	0,63	8,88	0,51
1000	8,88	2,53	4,44	2,02
1500	5,92	5,69	2,96	4,56
2000	4,44	10,12	2,22	8,10
2500	3,55	15,82	1,78	12,65
3000	2,96	22,78	1,48	18,22

Codice ML 3 Materiale
GZSK6203-AMM3 Acciaio S235JR zinc.senzimir EN 10142
GZK6203-AMM3 Acciaio S235JR zinc.a caldo EN ISO 1461
GNK6203-AMM3 Acciaio S235JR nero
GIK6203-AMM3 Inox AISI 304

Code ML 3 Material
GZSK6203-AMM3 S235JR steel sedzimir galv. EN 10142
GZK6203-AMM3 S235JR steel - hot dip galv. EN ISO 1461
GNK6203-AMM3 S235JR black steel
GIK6203-AMM3 A2 Stainless steel

K1

K1D

K1 2 mm

K2

K2D

K2 2 mm

K62

K62 3mm

K82

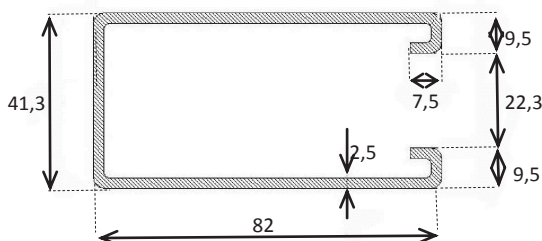
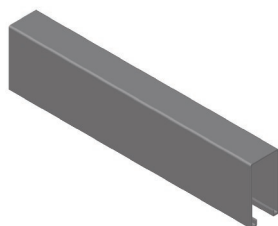
K30

K32

K1Z

GPK2

GL1



Profilo K62 = 41x82x2,5 mm
Kg/ml. 4,33
ml.3 - ml.6

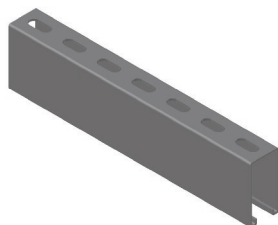
Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
551	435.401	169.706	10.172	8.278	1.627,5	1.324,5	20,50	38,19

mm	kN	mm	kN	mm
500	26,04	0,46	13,02	0,37
1000	13,02	1,85	6,51	1,48
1500	8,68	4,17	4,34	3,34
2000	6,51	7,42	3,25	5,93
2500	5,21	11,59	2,60	9,27
3000	4,34	16,69	2,17	13,35

Codice ML. 3 Materiale
GZSK803 Acciaio S235JR zinc.senzimir EN 10142
GZC803 Acciaio S235JR zinc.a caldo EN ISO 1461
GNK803 Acciaio S235JR nero
GIK803 Inox AISI 304

Code ML. 3 Material
GZSK803 S235JR steel sedzimir galv. EN 10142
GZC803 S235JR steel - hot dip galv. EN ISO 1461
GNK803 S235JR black steel
GIK803 A2 Stainless steel

K82 asolato



Profilo K82 = 41x82x2,5 mm
asole mm 13x30, passo mm 50
Kg/ml. 4,19
ml.3 - ml.6

Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
519	388.246	169.249	9.584	8.256	1.533,5	1.321,0	20,50	40,51

mm	kN	mm	kN	mm
500	24,54	0,49	12,27	0,39
1000	12,27	1,96	6,13	1,57
1500	8,18	4,41	4,09	3,53
2000	6,13	7,84	3,07	6,27
2500	4,91	12,25	2,45	9,80
3000	4,09	17,63	2,04	14,11

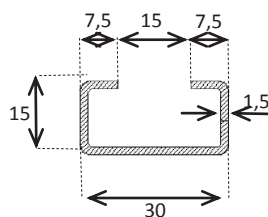
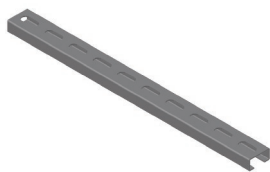
Codice ML. 3 Materiale
GZSK803A Acciaio S235JR zinc.senzimir EN 10142
GZC803A Acciaio S235JR zinc.a caldo EN ISO 1461
GNK803A Acciaio S235JR nero
GIK803A Inox AISI 304

Code ML. 3 Material
GZSK803A S235JR steel sedzimir galv. EN 10142
GZC803A S235JR steel - hot dip galv. EN ISO 1461
GNK803A S235JR black steel
GIK803A A2 Stainless steel

K30 asolato



K1
K1D
K1 2 mm
K2
K2D
K2 2 mm
K62
K62 3mm
K82
K30
K32
K1Z
GPK2
GL1



Profilo K30 = 30x15x1,5 mm
asole mm 23x10,5, passo mm 35
Kg/ml. 0,78
ml.2

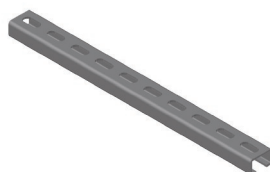
Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
99	3.081	12.685	341	846	54,6	135,4	15,00	9,03

mm	kN	mm	kN	mm
500	0,76	2,01	0,38	
1000	0,38	8,03	0,12	
1500	0,25	17,83	0,06	
2000	0,19	32,12	0,03	
2500	0,15	49,53	0,02	
3000	0,13	74,17	0,02	

Codice ML. 3 Materiale
LK30S Acciaio S235JR zinc.sendimir EN 10142
LK30SZC Acciaio S235JR zinc.a caldo EN ISO 1461
LK30N Acciaio S235JR nero
LK30SA2 Inox AISI 304

Code ML. 3 Material
LK30S S235JR steel sedzimir galv. EN 10142
LK30SZC S235JR steel - hot dip galv.EN ISO 1461
LK30N S235JR black steel
LK30SA2 A2 Stainless steel

K32 asolato



Profilo K32 = 32x20x2,5 mm
asole mm 23x10,5, passo mm 35
Kg/ml. 1,45
ml.2

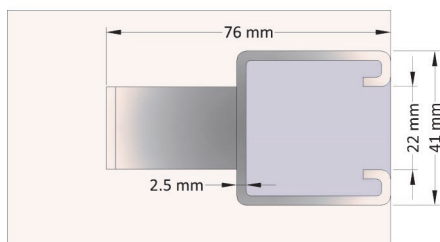
Area della sezione Section area	Momento d'inerzia Moment of inertia		Modulo di sezione minimo Section modulus		Mom. Max. ammissibile Max admissible mom.		Assi Axes	
A	Jx	Jy	Wx	Wy	Mx	My	Xg	Yg
mm ²	mm ⁴	mm ⁴	mm ³	mm ³	kN mm	kN mm	mm	mm
185	9.303	26.354	790	1.647	126,4	263,5	16,00	11,77

mm	kN	mm	kN	mm
500	1,77	1,55	0,89	
1000	0,88	6,16	0,36	
1500	0,59	13,94	0,16	
2000	0,44	24,63	0,09	
2500	0,35	38,27	0,06	
3000	0,29	54,80	0,04	

Codice ML. 2 Materiale
LK32SB Acciaio S235JR zinc.sendimir EN 10142
LK32SBZC Acciaio S235JR zinc.a caldo EN ISO 1461
LK32SBN Acciaio S235JR nero
LK32SBA2 Inox AISI 304

Code ML. 2 Material
LK32SB S235JR steel sedzimir galv. EN 10142
LK32SBZC S235JR steel - hot dip galv.EN ISO 1461
LK32SBN S235JR black steel
LK32SBA2 A2 Stainless steel

K1
K1D
K1 2 mm
K2
K2D
K2 2 mm
K62
K62 3mm
K82
K30
K32
K1Z
GPK2
GL1



Portata Puntuale

Point Loading :

Trazione $N = 8,8 \text{ kN} = N \text{ Tencil}$

Taglio $V = 8,8 \text{ kN} = V \text{ Shear}$

Profilo per impianti da inserire nelle strutture in calcestruzzo prima che avvenga il getto nel calcestruzzo.

Anchor channel for plant to be inserted in concrete structures before concrete casting

VANTAGGI

- installazione più veloce
- profilo pre installato
- carichi più elevati
- nessun foro nel calcestruzzo

BENEFITS

- faster installation
- pre-installed profile
- higher loads
- no holes in concrete

DESCRIZIONE

Profilo realizzato in acciaio S235JR e finitura con zincatura tipo sendzimir o a caldo, Inox AISI 304. Riempimento in schiuma di resina sintetica rigida a cellula chiusa ad alta densità

DESCRIPTION

Anchor channel produced S235JR steel, sendzimir or hot dip galvanized, stainless steel A2. Filling foam synthetic resin rigid closed cell high density

CARATTERISTICHE TECNICHE

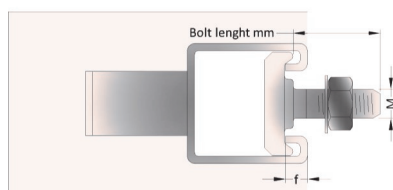
Carichi ammissibili con coefficiente di sicurezza 3 in calcestruzzo $R_{ck} \geq 35 \text{ MPa}$

TECHNICAL SPECIFICATIONS

Maximum admissible load with safety factor 3 in concrete $R_{ck} \geq 35 \text{ MPa}$

Il marchio CE sui profili da calcestruzzo è volontario ed è rilasciato esclusivamente da EOTA.eu tramite ETA-CE dopo specifiche prove.

CE certification for concrete profiles is voluntary and is issued exclusively from EOTA.eu according to ETA-CE (after specific tests).



VM4

Vite testa ad ancora prodotta in acciaio classe 4.6 zincatura elettrolitica.

VM4

T bolt produced 4.6 grade electrolytic galvanized.

Produzione inox su richiesta

Stainless steel T bolts production on demand.

Tutti i dettagli a pag. 19

All details in pag. 19

Vite VM4 T bolt			
Diametro / Diameter	M8	M10	M12
Grado / Strength grade	4.6	4.6	4.6
Trazione / Tension Load kN	14.6	23.2	33.7
Taglio / Shear Load kN	8.8	13.9	20.2

$$\beta_{N,sc} = \frac{N_{Ed}}{N_{Rd}} \leq 1 \quad \beta_{V,sc} = \frac{V_{Ed}}{V_{Rd}} \leq 1$$

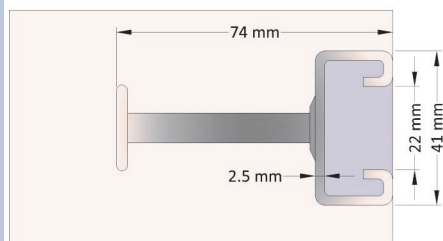
$$\beta_{N,sc}^2 + \beta_{V,sc}^2 \leq 1$$

$\gamma_{M_{S,S}}$	
Grado / Strength grade	4.6
Trazione / Tension Load	2.00
Taglio / Shear Load	1.67

Profilo per impianti della gamma
UNIGIUNTO SYSTEM

Channel for fixing plants see the catalogue
UNIGIUNTO SYSTEM

K1
K1D
K1 2 mm
K2
K2D
K2 2 mm
K62
K62 3mm
K82
K30
K32
K1Z
GPK2
GL1



Portata Puntuale

Point Loading :

Trazione $N = 9,0 \text{ kN}$ = N Tencil

Taglio $V = 8,0 \text{ kN}$ = V Shear

Profilo per impianti da inserire nelle strutture in calcestruzzo prima che avvenga il getto nel calcestruzzo.

Anchor channel for plant to be inserted in concrete structures before concrete casting.

BENEFITS

- installazione più veloce
- profilo pre installato
- carichi più elevati
- nessun foro nel calcestruzzo
- minimo ingombro nel calcestruzzo

- faster installation
- pre-installed profile
- higher loads
- no holes in concrete
- small obstacle in concrete

DESCRIZIONE

Profilo realizzato in acciaio S235JR e finitura con zincatura tipo sendzimir o a caldo, Inox AISI 304. Riempimento in schiuma di resina sintetica rigida a cellula chiusa ad alta densità

DESCRIPTION

Anchor channel produced S235JR steel, sendzimir or hot dip galvanized, stainless steel A2. Filling foam synthetic resin rigid closed cell high density

CARATTERISTICHE TECNICHE

Carichi ammissibili con coefficiente di sicurezza 3 in calcestruzzo $R_{ck} \geq 35 \text{ MPa}$

TECHNICAL SPECIFICATIONS

Maximum admissible load with safety factor 3 in concrete $R_{ck} \geq 35 \text{ MPa}$

PROVE

Trazione, Taglio e Scorrimento in blocchi di CLS condotte presso il Politecnico di Milano 1997 e precedenti.

Il marchio CE sui profili da calcestruzzo è volontario ed è rilasciato esclusivamente da EOTA.eu tramite ETA-CE dopo specifiche prove.

TESTS

Traction, Shear and Friction tests in concrete block, tested in Politecnico di Milano, laboratory 1997 and earlier.

CE certification for concrete profiles is voluntary and is issued exclusively from EOTA.eu according to ETA-CE (after specific tests).

VM4

Vite testa ad ancora prodotta in acciaio classe 4.6 zincatura elettrolitica.

Tutti i dettagli a pag. 19

VM4

T bolt produced 4.6 grade electrolytic galvanized.

All details in pag. 19

Vite VM4 T bolt			
Diametro / Diameter	M8	M10	M12
Grado / Strength grade	4.6	4.6	4.6
Trazione / Tension Load kN	14.6	23.2	33.7
Taglio / Shear Load kN	8.8	13.9	20.2

$$\beta_{N,sc} = \frac{N_{Ed}}{N_{Rd}} \leq 1 \quad \beta_{V,sc} = \frac{V_{Ed}}{V_{Rd}} \leq 1 \quad \beta_{N,sc}^2 + \beta_{V,sc}^2 \leq 1$$

$\gamma_{M5,5}$	
Grado / Strength grade	4.6
Trazione / Tension Load	2.00
Taglio / Shear Load	1.67

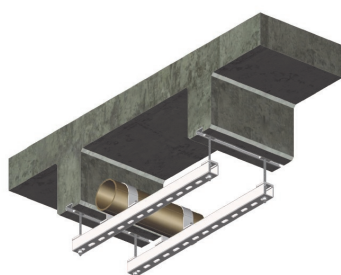
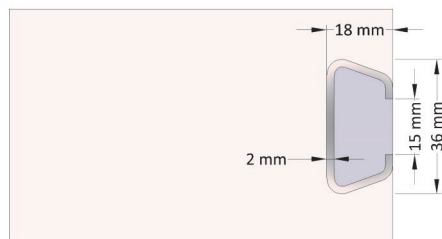
Ai fini di migliorare la qualità e le prestazioni dei prodotti GL Locatelli, ci riserviamo la facoltà di apportare modifiche senza alcun preavviso.

In the interests of improving the quality and performance of GL Locatelli products, we reserve the right to make specification changes without prior notice.

Profilo per impianti della gamma
UNIGIUNTO SYSTEM

Channel for fixing plants see the catalogue
UNIGIUNTO SYSTEM

K1
K1D
K1 2 mm
K2
K2D
K2 2 mm
K62
K62 3mm
K82
K30
K32
K1Z
GPK2
GL1



Portata Puntuale

Point Loading :

Trazione $N = 3,5 \text{ kN} = N_{\text{Tencil}}$

Taglio $V = 4,5 \text{ kN} = V_{\text{Shear}}$

Profilo per impianti da inserire nelle strutture in calcestruzzo prima che avvenga il getto nel calcestruzzo.

Anchor channel for plant to be inserted in concrete structures before concrete casting

BENEFITS

- faster installation
- pre-installed profile
- higher loads
- no holes in concrete
- application / combination screws, plates and stud bolts
- cheap and easy for concrete cover use

DESCRIPTION

Anchor channel produced S235JR steel, in sendzimir or hot dip galvanized, stainless steel A2
Filling foam synthetic resin rigid closed cell high density

VANTAGGI

- installazione più veloce
- profilo pre installato
- nessun foro nel calcestruzzo
- accoppiamento viti, piastrine e barre filettate economico e di facile uso nel calcestruzzo (copriferro)

DESCRIZIONE

Profilo realizzato in acciaio S235JR e finitura con zincatura tipo sendzimir o a caldo, Inox AISI 304. Riempimento in schiuma di resina sintetica rigida a cellula chiusa ad alta densità

CARATTERISTICHE TECNICHE

Carichi ammissibili con coefficiente di sicurezza 3 in calcestruzzo
 $R_{ck} \geq 35 \text{ MPa}$

TECHNICAL SPECIFICATIONS

Maximum admissible load with safety factor 3 in concrete $R_{ck} \geq 35 \text{ MPa}$

PROVE

Trazione, Taglio e Scorrimento in blocchi di CLS condotte presso il Politecnico di Milano 1994 e precedenti

TESTS

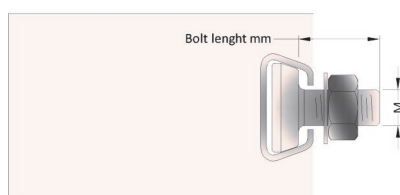
Traction, Shear and Friction tests in concrete block, tested in Politecnico of Milan, laboratory 1994 and earlier.

Il marchio CE sui profili da calcestruzzo è volontario ed è rilasciato esclusivamente da EOTA.eu tramite ETA-CE dopo specifiche prove.

CE certification for concrete profiles is voluntary and is issued exclusively from EOTA.eu according to ETA-CE (after specific tests).

VM3

VM3



Vite testa ad ancora prodotta in acciaio classe 4.6 zincatura elettrolitica.

T bolt produced 4.6 grade electrolytic galvanized.

Produzione inox su richiesta

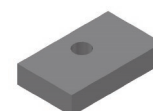
Stainless steel T bolts production on demand

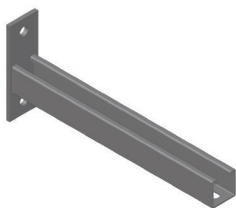
Vite VM3 T bolt	
Diametro / Diameter	M12
Grado / Strength grade	4.6
Trazione / Tension Load kN	33.7
Taglio / Shear Load kN	20.2

$$\beta_{N,sc} = \frac{N_{Ed}}{N_{Rd}} \leq 1 \quad \beta_{V,sc} = \frac{V_{Ed}}{V_{Rd}} \leq 1$$

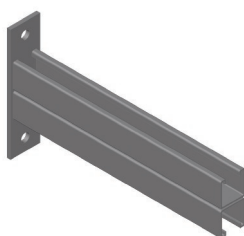
$$\beta_{N,sc}^2 + \beta_{V,sc}^2 \leq 1$$

$\gamma_{M5,5}$	
Grado / Strength grade	4.6
Trazione / Tension Load	2.00
Taglio / Shear Load	1.67





Profilo K1 Channel					Piatto / Plate							
Zinc.Elett. Electr.galv.	Zinc.a caldo H.D.G.	Lung. Prof. Length Chan.	Asola Slot	Passo Pitch	Altezza Height	Spessore Thickness	Ø Fori Ø Ho- les	Interasse Fori Pitch holes				Peso Weight
		mm	mm	mm	mm	mm	mm	mm	kN	kN	kN	Kg
LE103/01	LC103/01	125	13 x 30	50	145	6	14	105	7,84	7,84	3,92	0,72
LE103/02	LC103/02	175	13 x 30	50	145	6	14	105	5,60	5,60	2,80	0,86
LE103/03	LC103/03	225	13 x 30	50	145	6	14	105	4,36	4,36	2,18	1,08
LE103/04	LC103/04	275	13 x 30	50	145	6	14	105	3,56	3,56	1,78	1,15
LE103/05	LC103/05	325	13 x 30	50	145	6	14	105	3,02	3,02	1,51	1,24
LE103/06	LC103/6AB	425	13 x 30	50	145	8	14	105	2,31	2,31	1,15	1,51
LE103/07	LC103/7A	525	13 x 30	50	145	8	14	105	1,87	1,87	0,93	1,78
LE103/08	LC103/8AB	625	13 x 30	50	145	8	14	105	1,57	1,57	0,78	2,05
LE103/800	LC103/800	800	13 x 30	50	145	8	14	105	1,23	1,23	0,61	2,57
LE103/1000	LC103/1000	1000	13 x 30	50	145	8	14	105	0,98	0,98	0,49	3,10



Mensola K1D Bracket

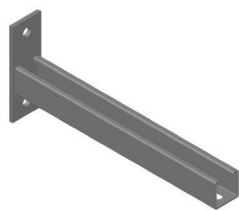
Profilo K1D Channel					Piatto / Plate							
Zinc.Elett. Electr.galv.	Zinc.a caldo H.D.G.	Lung. Prof. Length Chan.	Asola Slot	Passo Pitch	Altezza Height	Spessore Thickness	Ø Fori Ø Ho- les	Interasse Fori Pitch holes				Peso Weight
		mm	mm	mm	mm	mm	mm	mm	kN	kN	kN	Kg
LE127/05	LC127/05	325	13 x 30	50	190	10	14	150	9,09	9,09	4,55	2,10
LE127/06	LC127/06	425	13 x 30	50	190	10	14	150	6,95	6,95	3,48	2,61
LE127/07	LC127/07	525	13 x 30	50	190	10	14	150	5,63	5,63	2,81	3,12
LE127/08	LC127/08	625	13 x 30	50	190	10	14	150	4,73	4,73	2,36	3,63
LE127/09	LC127/09	750	13 x 30	50	190	10	14	150	3,94	3,94	1,97	4,27
LE127/11	LC127/11	850	13 x 30	50	190	10	14	150	3,48	3,48	1,74	4,78
LE127/10	LC127/10	1000	13 x 30	50	190	10	14	150	2,95	2,95	1,48	5,54

LE
 acciaio/steel S235JR EN 10025
 zincato elettrolitico/ electrolytic galvanized
 ISO2081 - μm 12

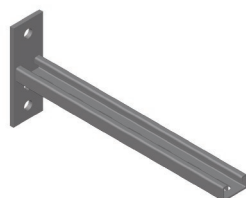
LC
 acciaio/steel S235JR EN 10025
 zincato a caldo/ hot dip galvanized
 ISO1461 - $\geq \mu\text{m}$ 55

Mensola inox K1

K1 A2 steel Bracket



Profilo K1 channel inoxidable				Piatto / Plate							Peso Weight
Inox 304 A2	Lung. Prof. Length Chan.	Asola Slot	Passo Pitch	Altezza Height	Spessore Thickness	Ø Fori Ø Holes	Interasse Fori Pitch holes				
	mm	mm	mm	mm	mm	mm	mm	kN	kN	kN	Kg
LI104/02	175	13 x 30	50	145	5	13,5	105	4,70	4,70	2,35	0,72
LI104/03	225	13 x 30	50	145	5	13,5	105	3,66	3,66	1,83	0,83
LI104/04	275	13 x 30	50	145	5	13,5	105	2,99	2,99	1,50	0,94
LI104/05	325	13 x 30	50	145	5	13,5	105	2,53	2,53	1,27	1,05
LI104/06	425	13 x 30	50	145	5	13,5	105	1,94	1,94	0,97	1,27
LI104/07	525	13 x 30	50	145	5	13,5	105	1,57	1,57	0,78	1,49
LI104/08	625	13 x 30	50	145	5	13,5	105	1,32	1,32	0,66	1,71
LI104/09	750	13 x 30	50	145	5	13,5	105	1,10	1,10	0,55	1,98
LI104/11	850	13 x 30	50	145	5	13,5	105	0,97	0,97	0,48	2,20
LI104/10	1000	13 x 30	50	145	5	13,5	105	0,82	0,82	0,41	2,53



Mensola K2 Bracket



		Profilo K2 Channel			Piatto / Plate							Peso Weight
Zinc.Elett. Electr.galv.	Zinc.a caldo H.D.G.	Lung. Prof. Length Chan.	Asola Slot	Passo Pitch	Altezza Height	Spessore Thickness	Ø Fori Ø Ho- les	Interasse Fori Pitch holes				
		mm	mm	mm	mm	mm	mm	mm	kN	kN	kN	Kg
LE203/01	LC203/01	125	13 x 30	50	145	6	14	105	2,77	2,77	1,38	0,57
LE203/02	LC203/02	175	13 x 30	50	145	6	14	105	1,98	1,98	0,99	0,66
LE203/03	LC203/03	225	13 x 30	50	145	6	14	105	1,54	1,54	0,77	0,75
LE203/04	LC203/04	275	13 x 30	50	145	6	14	105	1,26	1,26	0,63	0,84
LE203/05	LC203/05	325	13 x 30	50	145	6	14	105	1,06	1,06	0,53	0,93
LE203/06	LC203/06	425	13 x 30	50	145	6	14	105	0,81	0,81	0,41	1,12
LE203/07	LC203/07	525	13 x 30	50	145	6	14	105	0,66	0,66	0,33	1,30
LE203/08	LC203/08	625	13 x 30	50	145	6	14	105	0,55	0,55	0,28	1,48

LE

acciaio/steel S235JR EN 10025
 zincato elettrolitico/ electrolytic galvanized
 ISO2081 - µm 12

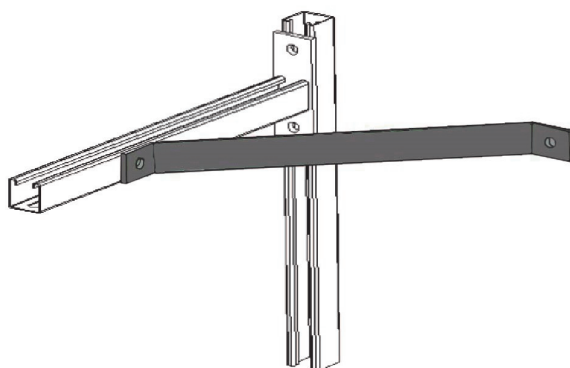
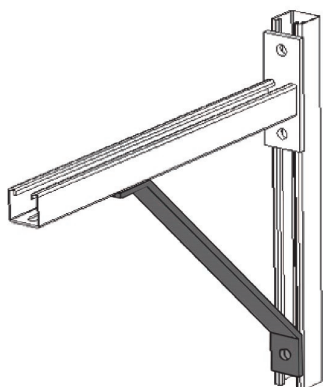
LC

acciaio/steel S235JR EN 10025
 zincato a caldo/ hot dip galvanized
 ISO1461 - ≥ µm 55

Rinforzo per mensola

Bracket reinforce

Saetta		Profilo K1 channel	Piatto / Plate			
Cod. elettr. Zinc plated	Cod. a caldo Code H.D.G.	Lunghezza Profilo Length Channel	Angolo Angle	Ø Fori Holes	Piatto Plate	Peso Weight
		mm	mm	mm	mm	Kg
LES4	LCS4	50 + 400 + 50	45°	14	105	0,72



Dado VM30		Nuts			
Zincato Galvanized	Filetto Thread	Zincatura Galvanized	Profilo Channel	Peso Weight	Conf. Packing
				Kg/100	pz
L6513006	M 6	elettrolitica	K30-K32	1,30	100
L6510008	M 8	elettrolitica	K30-K32	1,30	100
L6510010	M 10	elettrolitica	K30-K32	1,30	100



LE
acciaio/steel S235JR EN 10025
zincato elettrolitico/ electrolytic galvanized
ISO2081 - μm 12

LC
acciaio/steel S235JR EN 10025
zincato a caldo/ hot dip galvanized
ISO1461 - $\geq \mu\text{m}$ 55

Vite VM4

Vite VM4 testa ad ancora prodotta in acciaio classe 5.6, finitura zincata secondo UNI ISO 2081 Europea 2002/95 Rohs
 Produzioni su richiesta: inox AISI 304 e 316
 Vite fornita completa di dado e rondella piana, ma non preassemblata

VM4 T bolt

T bolt VM4 produced in steel grade 5.6, galvanized according to UNI ISO2081 European 2002/95 Rohs
 Special demand: stainless steel A2 and A4
 T bolt with nut and plain washer included, but not preassembled

Vite VM4 T bolt					
Elettrolitica	A caldo	Filetto	Profilo	Peso	Confezione
Electrolytic	H.D.G.	Thread	Channel	Weight	Packing
		M	Unigiunto	Kg/100	N°
DPV4E0840		M 8x40	K1-K2-K62-K82	0,380	200
DPV4E1030	DPV4C1030	M 10x30	K1-K2-K62-K82	0,419	200
DPV4E1240		M 12x40	K1-K2-K62-K82	0,460	100

Profilo / Channel

GPZ2..... pag. 13

K1Z..... pag. 14

Vite LFVMT T bolt				
Elettrolitica	Filetto	Profilo	Peso	Confezione
Electrolytic	Thread	Channel	Weight	Packing
	M	Unigiunto	Kg/100	N°
LZVM4M0830	8X30	K1-K2-K62-K82	3,56	100
LZVM4M1030	10X30	K1-K2-K62-K82	6,00	100
LFVMT0830	8x30	K30-K32	3,65	100
LFVMT1030	10x30	K30-K32	5,36	100

Dadi VM4 Nuts						
Codice	Filetto	Molla	Zincatura	Profilo	Peso	Confezione
Code	Thread	Spring	Galvanized	Channel	Weight	Packing
	M				Kg/100	N°
LVM4-06	M 6	senza	elettrolitica	K1-K2-K82	2,75	100
LVM4-08	M 8	without	electrolytic	K1-K2-K82	2,75	100
LVM4-10	M 10	senza	elettrolitica	K1-K2-K82	3,60	100
LVM4-12	M 12	without	electrolytic	K1-K2-K82	4,10	100
LVM4S06	M 6	corta	elettrolitica	K2	2,84	100
LVM4S08	M 8	short	electrolytic	K2	2,84	100
LVM4S10	M 10	corta	elettrolitica	K2	3,50	100
LVM4S12	M 12	short	electrolytic	K2	3,50	100
LVM4L06	M 6	lunga	elettrolitica	K1	2,94	100
LVM4L08	M 8	long	electrolytic	K1	2,94	100
LVM4L10	M 10	lunga	elettrolitica	K1	3,64	100
LVM4L12	M 12	long	electrolytic	K1	4,24	100

Prove di trazione dei dadi / Nuts tensile test				
Dado	Carico consigliato	Rottura	Coppia di chiusura	Carico Scorrimento
Nut	Recommended Loads	Failure	Clamping torque	Frictional load
	kN	kN	Nm	N
VM4-M6	3,62	>10,85	15	660
VM4-M8	4,93	>14,8	28	3000
VM4-M10	7,03	>21,10	56	4500
VM4-M12	9,07	>27,20	65	5700

Vite T.E.

Vite a Testa Esagonale con gambo interamente filettato.

Filettatura metrica a passo grosso—cat. A

Filettato secondo UNI 5739

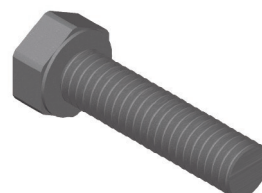
Hexagon headed bolt

Hexagon Headed T.bolt with all threaded

Metric threaded with big step—cat. A

Treaded as UNI 5739

Viti VM4 T bolt				
Zincato	Aisi 304	AISI 316	Filetto	Peso
Galvanized	A2	A4	Thread	Weight
			M	Kg/100
ATZ0620	ATI0620	ATI0620-A316	M 6x20	0,58
ATZ0625A	ATI0625	ATI0625-A316	M 6x25	0,67
ATZ0630	ATI0630	ATI0630-A316	M 6x30	0,75
ATZ0640	ATI0640	ATI0640-A316	M 6x40	0,94
ATZ0650	ATI0650	ATI0650-A316	M 6x50	1,12
ATZ0660	ATI0660	ATI0660-A316	M 6x60	1,24
ATZ0820	ATI0820	ATI0820-A316	M 8x20	1,22
ATZ0825	ATI0825	ATI0825-A316	M 8x25	1,38
ATZ0830	ATI0830	ATI0830-A316	M 8x30	1,55
ATZ0835	ATI0835	ATI0835-A316	M 8x35	1,70
ATZ0840	ATI0840	ATI0840-A316	M 8x40	1,88
ATZ0850	ATI0850	ATI0850-A316	M 8x50	2,21
ATZ0860	ATI0860	ATI0860-A316	M 8x60	2,55
ATZ0870	ATI0870	ATI0870-A316	M 8x70	2,86
ATZ1020	ATI1020	ATI1020-A316	M 10x20	2,3
ATZ1025A	ATI1025	ATI1025-A316	M 10x25	2,51
ATZ1030	ATI1030	ATI1030-A316	M 10x30	2,76
ATZ1035	ATI1035	ATI1035-A316	M 10x35	3,01
ATZ1040	ATI1040	ATI1040-A316	M 10x40	3,26
ATZ1050	ATI1050	ATI1050-A316	M 10x50	3,76
ATZ1060	ATI1060	ATI1060-A316	M 10x60	4,26
ATZ1070	ATI1070	ATI1070-A316	M 10x70	4,76
ATZ1220	ATI1220	ATI1220-A316	M 12x20	3,23
ATZ1225	ATI1225	ATI1225-A316	M 12x25	3,60
ATZ1230	ATI1230	ATI1230-A316	M 12x30	3,96
ATZ1235	ATI1235	ATI1235-A316	M 12x35	4,33
ATZ1240	ATI1240	ATI1240-A316	M 12x40	4,70
ATZ1250	ATI1250	ATI1250-A316	M 12x50	5,44
ATZ1260	ATI1260	ATI1260-A316	M 12x60	6,18
ATZ1270	ATI1270	ATI1270-A316	M 12x70	7,65



Dado Esagonale

UNI 5588 - DIN 934

Dado / Nut					
Cod. zincato	Aisi 304	Aisi 316	Misure	Peso	Confezione
Galvanized	A2	A4	Size	Weight	Packing
			M	Kg/100	N°
ADZ06	ADI06	ADI06-A316	M 6	0,25	250
ADZ08	ADI08	ADI08-A316	M 8	0,53	250
ADZ10	ADI10	ADI10-A316	M 10	1,15	250
ADZ12	ADI12	ADI12-A316	M 12	1,69	250
ADZ16	ADI16	ADI16-A316	M 16	3,33	250

Hex nut

UNI 5588 - DIN 934



Rondella piana / Plain washer

UNI 6592



Rondella Piana / Plain washer						
Zincato Galvanized	Aisi 304 A2	Aisi 316 A4	Misura Size	Larghezza Width	Peso Weight	
			M	mm	Kg/pz	
APZ06	API06	API06-A316	M 6	12	0,11	
APZ08	API08	API08-A316	M 8	16	0,22	
APZ10	API10	API10-A316	M 10	21	0,41	
APZ12	API12	API12-A316	M 12	24	0,63	
APZ16	API16	API16-A316	M 16	30	1,13	

Rondella piana larga / Large flat washer

UNI 6593



Rondella Piana Larga/ Large flat washer						
Zincato Galvanized	Aisi 304 A2	Aisi 316 A4	Misura Size	Larghezza Width	Spessore Thickness	Peso Weight
			M	mm	mm	Kg/pz
APZ0618	API0618		M 6	18	1,6	0,50
APZ0824A	API0824	API0824-A316	M 8	24	1,6	0,60
APZ1030	API1030	API1030-A316	M 10	30	2,0	0,90
APZ1236	API12		M 12	36	2,5	1,60

Rondella piana extralarge / Extralarge flat washer

UNI 6593



Rondella Piana Extralarga/ Extralarge flat washer						
Zincato Galvanized	Aisi 304 A2	Aisi 316 A4	Misura Size	Larghezza Width	Spessore Thickness	Peso Weight
			M	mm	mm	Kg/100
APZ0624	API0624		M 6	32	1,6	0,50
APZ0832A	API083225		M 8	32	2,5	0,60
APZ0840x4			M 8	40	4,4	0,85
APZ1040x4	API1040x4		M 10	40	4,0	0,90
APZ1248x4	API12		M 12	42	4,0	1,60

Rondella grower / Spring washer

 UNI 1751 special
 sezione quadra /square section
 zincato / galvanised


Rondella Grower / Spring washer						
Zincato Galvanized	Aisi 304 A2	Aisi 316 A4	Misure Size	Larghezza Width	Spessore Thickness	Peso Weight
			M	mm	mm	Kg/100
AGZ06	AGI06	AGI06-A316	M 6	18	1,6	0,08
AGZ08	AGI08	AGI08-A316	M 8	24	2,0	0,16
AGZ10	AGI10	AGI10-A316	M 10	30	2,2	0,25
AGZ12A	AGI12	AGI12-A316	M 12	36	2,5	0,38
AGZ16A	AGI16		M 16	27,4	3,5	0,89

zincato elettrolitico/ electrolytic galvanized

acciaio/steel S235JR EN 10025

zincato elettrolitico/ electrolytic galvanized

UNI 3740/6 - µm 12

Manicotto Passante Passing coupling

Manicotto non Passante Not passing coupling

Manicotto / Couplings			
Zincato Galvanized	Misura Size	Peso Weight	Confezione Packing
	M	Kg/pcs	N°
L139AA	M 8x30	0,084	250
L140	M 10x30	0,109	250
L141	M 12x50	0,084	250
L143	M 16 x 60	0,150	100



Adattatore / Adaptorail				
Zincato Galvanized	Filetto - Treaded Femmina Fem tip	Maschio tap	Peso Weight	Confezione Packing
	M	M	Kg/100	N°
LF10M08	M 10	M 8	0,80	250
LF12M10	M 12	M 10	1,40	250



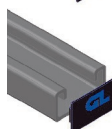
Barra filettata / Threaded rod

zincato classe 4.6 / grade 4.6 galvanized

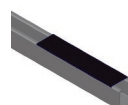
Barra filettata / Treaded rod						
Zincato Galvanized	Aisi 304 A2	Aisi 316 A4	Lunghezza Lenght	Misura Size	Peso Weight	Fasci da Bundle of
			cm	M	Kg/100	N°
BZ06	BI06	BI06-A316	100	M 6	18,60	50
BZ08	BI08	BI08-A316	100	M 8	31,90	50
BZ10	BI10	BI10-A317	100	M 10	50,00	50
BZ12	BI12	BI12-A317	100	M 12	72,50	50
BZ16	BI16	BI16-A318	100	M 16	133,00	50
BZ06/3	BI06/3	BI06/3-A316	300	M 6	55,80	50
BZ08/3	BI08/3	BI08/3-A316	300	M 8	95,70	50
BZ10/3	BI10/3	BI10/3-A316	300	M 10	150,00	50
BZ12/3	BI12/3	BI12/3-A316	300	M 12	217,50	50
BZ16/3	BI16/3	BI16/3-A317	300	M 16	399,00	50



Tappo terminale in plastica / Plastic end cap				
Codice Code	Colore Colour	Profilo Channel	Peso Weight	Confezione Packing
		cm	Kg/100	N°
LA101CGL	blu blue	K1	0,50	sfusi 1
LA101BGL	bianco white	K1	0,50	sfusi 1
LA102CGL	blu blue	K2	0,50	sfusi 1
LA102BGL	bianco white	K2	0,50	sfusi 1



Rivestimento per profilo / Coating channel				
Codice Code	Materiale Material	Profilo Channel	Peso Weight	Confezione Packing
		cm	Kg/ml	N°
LA103/P	gomma rubber	K1 - K2 - K82	0,15	sfusi 1
LA103/PA	acciaio steel	K1 - K2 - K82	0,15	sfusi 1



zincato elettrolitico/ electrolytic galvanized
 acciaio/steel S235JR EN 10025
 zincato elettrolitico/ electrolytic galvanized
 UNI 3740/6 - µm 12

Attacco Rapido Quick nut

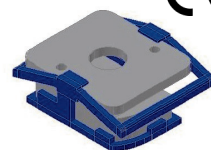


Dado rapido e rondella preassemblati

Vite a Testa Esagonale con gambo interamente filettato.
Filettatura metrica a passo grosso - cat. A Filettato secondo UNI 5739

Quick nut and washer preassembled

Hexagon Headed T.bolt with all threaded Metric.
Threaded with big step—cat. A Treaded as UNI 5739



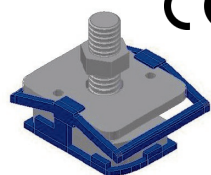
Dado VM4 con rondella quadra preassemblati per attacco rapido					
Codice elett. Code zinc plated	Filetto Thread	Spessore Thickness	Profilo Channel	Peso Weight	Confezione Packing
	M	mm		Kg/100	pz
L66517108	M 8	6	K1-K2-K1D	0,065	100
L66517110	M 10	8	K1-K2-K1D	0,065	100
L66517112	M 12	8	K1-K2-K1D	0,065	100

Bullone a T preassemblato

Bullone VM4 con rondella quadra preassemblata per attacco rapido

Preassembled T bolt

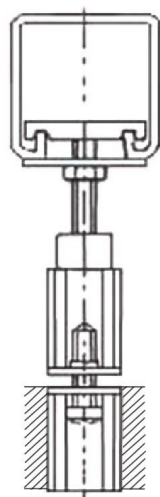
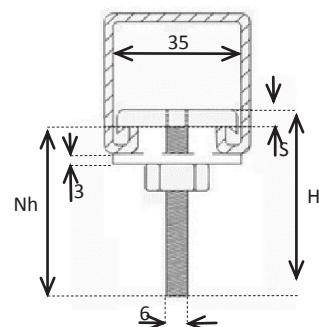
VM4 TBolt with square washer preassembled for quick



Attacco rapido femmina e rondella preassemblati				
Codice elettrolitico. Code zinc plated	Filetto Thread	Profilo Channel	Peso Weight	Confezione Packing
	mm		Kg/100	pz
L6527804	M 8 x 40	K1-K2-K82	100	100
L6527806	M 8 x 60	K1-K2-K82		
L6527004	M 10 x 40	K1-K2-K82		
L6527006	M 10 x 60	K1-K2-K82		
L6527008	M 10 x 80	K1-K2-K82		
L6527204 *	M 12 x 40	K1-K2-K82		
L6527206	M 12 x 60	K1-K2-K82		
L6527208 *	M 12 x 80	K1-K2-K82		

* = articoli prodotti su richiesta
on request it's possible to get these items.

zincato elettrolitico/ electrolytic galvanized
acciaio/steel S235JR EN 10025
zincato elettrolitico/ electrolytic galvanized
ISO2081 - µm 12

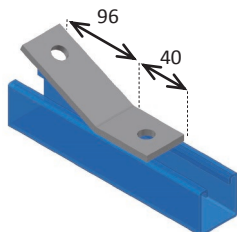


Piastra

Piastre per il collegamento dei profili serie K realizzate da piatto da 6x40 mm con fori diam. 14 mm
Acciaio S235JR

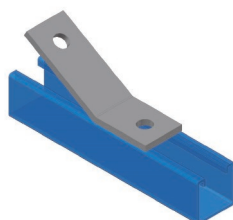
Plates

Plates for connecting the K's anchor channels series made with plate 6x40 mm and with holes diam. 14 mm
Steel S235JR



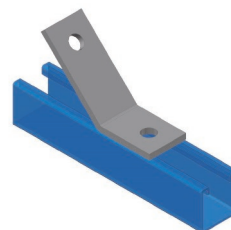
B148-25°

Peso Weight	
0,244 Kg	
LB148F	LB148-INOX-
LB148F-E	LB140-A4-



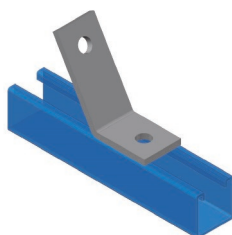
B148-30°

Peso Weight	
0,244 Kg	
LB148A	LB148-INOX-
LB148A-E	LB140-A4-



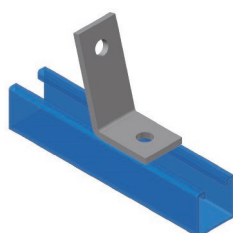
B148-45°

Peso Weight	
0,244 Kg	
LB148	LB148-INOX-
LB148-E	LB140-A4-



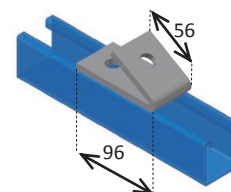
B148-60°

Peso Weight	
0,244 Kg	
LB148B	LB148-INOX-
LB148B-E	LB140-A4-



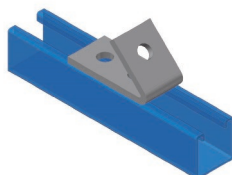
B148-75°

Peso Weight	
0,244 Kg	
LB148C	LB148-INOX-
LB148C-E	LB140-A4-



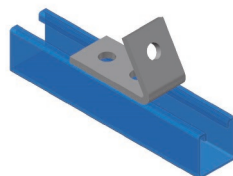
B149-30°

Peso Weight	
0,244 Kg	
LB149C	LB149-inox-
LB149C-E	LB140-A4-



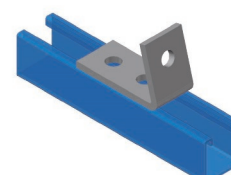
B148-45°

Peso Weight	
0,244 Kg	
LB149	LB149-inox-
LB149-E	LB149-inox-



B148-60°

Peso Weight	
0,244 Kg	
LB149BGL	LB149-inox-
LB149B-E	LB149-inox-



B148-75°

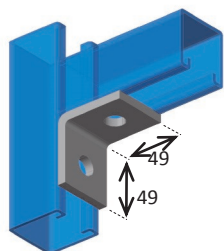
Peso Weight	
0,244 Kg	
LB149A	LB149-inox-
LB149A-E	LB149-inox-

Piastra

Piastre per il collegamento dei profili serie K realizzate da piatto da 6x40 mm con fori diam. 14 mm
Acciaio S235JR

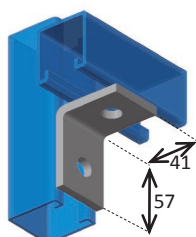
Plates

Plates for connecting the K's anchor channels series made with plate 6x40 mm and with holes diam. 14 mm
Steel S235JR



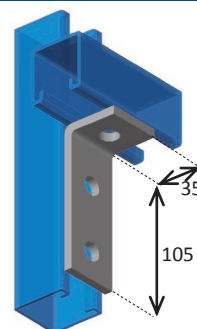
B140

Peso Weight	Carico max
0,153 Kg	1=6,57 kN 670 Kgf 2=4,40 kN 450 Kgf
LB 140	LB140-INOX-
LB140-E	LB140-A316



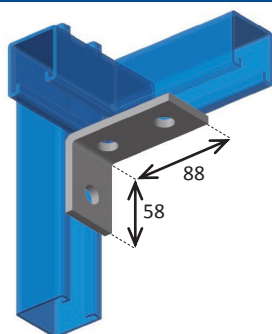
B141

Peso Weight	Carico max
0,153 Kg	3,38 kN 345 Kgf
LB141	LB141-INOX-
LB141-E	LB141-A316



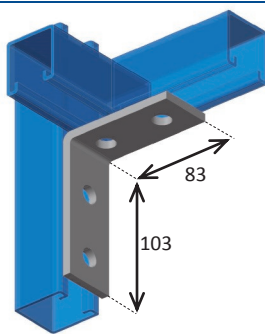
B142

Peso Weight	Carico max
0,235 Kg	3,38 kN 345 Kgf
LB142	LB142-INOX
LB142-E	LB142-A316



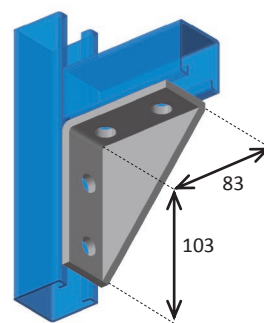
B143

Peso Weight	Carico max
0,235 Kg	6,57 kN 670 Kgf
LB 143	LB143-INOX
LB143-E	LB143-A316



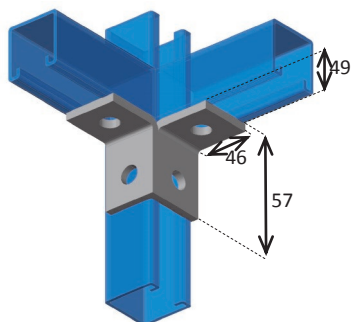
B144

Peso Weight	Carico max
0,309 Kg	8,43 kN 860 Kgf
LB144	LB144-INOX-
LB144-E	LB144-A4



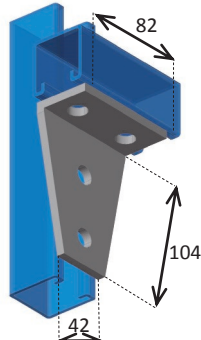
B145

Peso Weight	Carico max
0,403 Kg	12,26 kN 1250 Kgf
LB145	LB145-INOX
LB145-E	LB145-A4



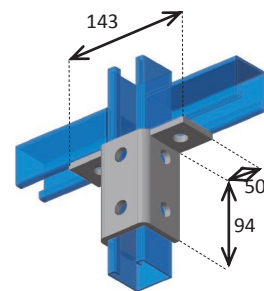
B146

Peso Weight	Carico max
0,311 Kg	
LB 146	LB146-INOX
LB146-E	LB146-A4



B147

Peso Weight	Carico max
0,393 Kg	6,82 kN 695 Kgf
LB147	LB147-INOX
LB147-E	LB147-A4



B151

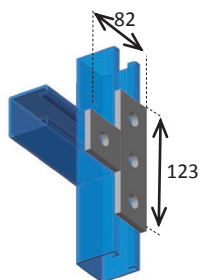
Peso Weight	Carico max
0,518 Kg	
LB151	LB151-INOX
LB151-E	LB151-A4

Piastra

Piastre per il collegamento dei profili serie K realizzate da piatto da 6x40 mm con fori diam. 14 mm
Acciaio S235JR

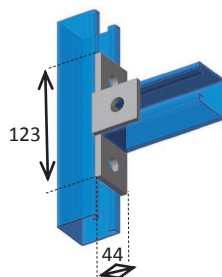
Plates

Plates for connecting the K's anchor channels series made with plate 6x40 mm and with holes diam. 14 mm
Steel S235JR



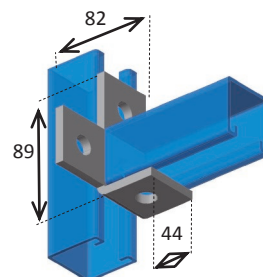
B152

Peso Weight	
0,288 Kg	
LB152	LB152-INOX
LB152-E	LB152-A4



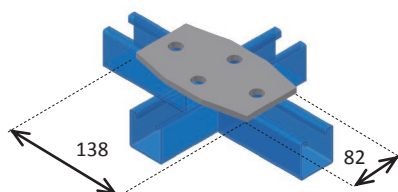
B153

Peso Weight	
0,288Kg	
LB153	LB153-INOX
LB153-E	LB153-A4



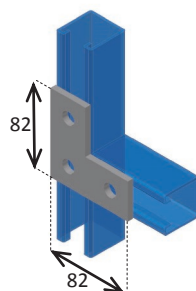
B154

Peso Weight	
0,288Kg	
LB154	LB154-INOX
LB154-E	LB154-A4



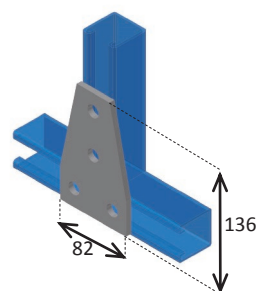
B160

Peso Weight	
0,426 Kg	
LB160	LB160-INOX
LB160-E	LB160-A4



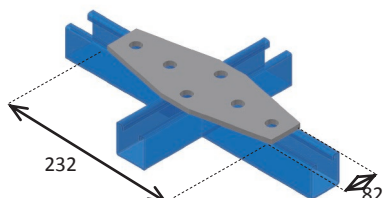
B161

Peso Weight	
0,220 Kg	
LB161	LB161-INOX
LB161-E	LB161-A4



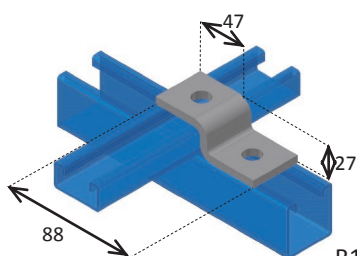
B162

Peso Weight	
0,395 Kg	
LB162	LB162-INOX
LB162-E	LB162-A4



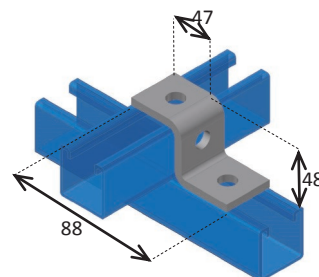
B163

Peso Weight	
0,660Kg	
LB163	LB163-INOX
LB163-E	LB163-A4



B171

Peso Weight	
0,178 Kg	
LB171	LB171-INOX
LB171-E	LB171-A4



B172

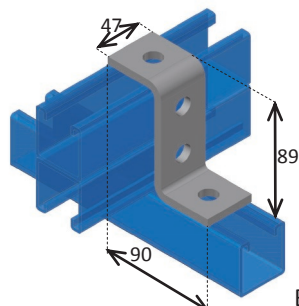
Peso Weight	
0,219Kg	
LB172	LB172-INOX
LB172-E	LB172-A4

Piastra

Piastre per il collegamento dei profili serie K realizzate da piatto da 6x40 mm con fori diam. 14 mm
Acciaio S235JR

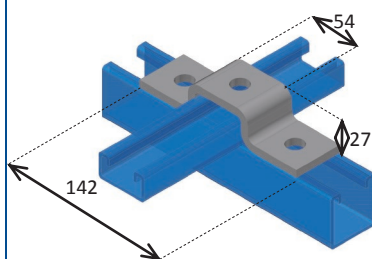
Plates

Plates for connecting the K's anchor channels series made with plate 6x40 mm and with holes diam. 14 mm
Steel S235JR



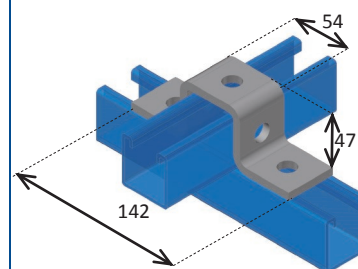
B173

Peso Weight	
0,298 Kg	
LB173	LB173-INOX
LB173-E	LB173-A4



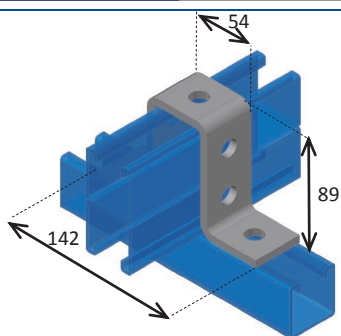
B174

Peso Weight	
0,291Kg	
LB174	LB174-INOX
LB174-E	LB174-A4



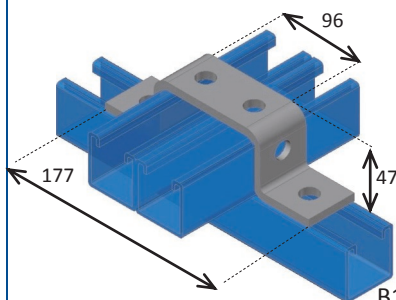
B175

Peso Weight	
0,348 Kg	
LB175	LB175-INOX
LB175-E	LB175-A4



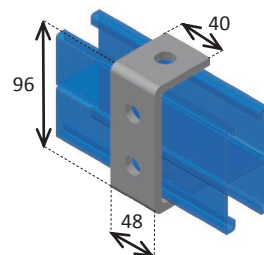
B176

Peso Weight	
0,514 Kg	
LB176	LB176-INOX
LB176-E	LB176-A4



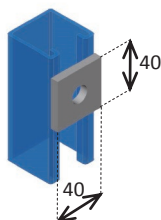
B177

Peso Weight	
0,420 Kg	
LB177	LB177-INOX
LB177-E	LB177-A4



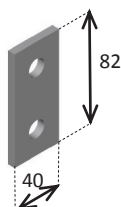
B178

Peso Weight	
0,309 Kg	
LB178	LB178-INOX
LB178-E	LB178-A4



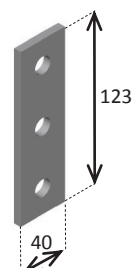
B101

Peso Weight	
0,075 Kg	
LB101	LB101-INOX
LB101-E	LB101-A4



B102

Peso Weight	
0,158Kg	
LB102	LB102-INOX
LB102-E	LB102-A4



B103

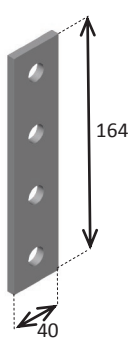
Peso Weight	
0,247 Kg	
LB103	LB103-INOX
LB103-E	LB103-A4

Piastra

Piastre per il collegamento dei profili serie K realizzate da piatto da 6x40 mm con fori diam. 14 mm
Acciaio S235JR

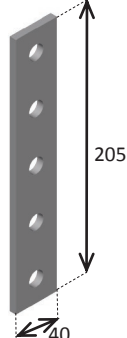
Plates

Plates for connecting the K's anchor channels series made with plate 6x40 mm and with holes diam. 14 mm
Steel S235JR



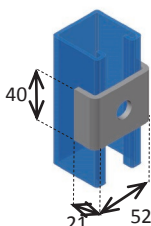
B104

Peso Weight	
0,287 Kg	
LB104	LB104-INOX
LB104-E	LB104-A4



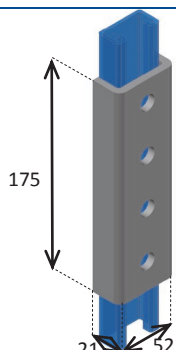
B105

Peso Weight	
0,346 Kg	
LB105	LB105-INOX
LB105-E	LB105-A4



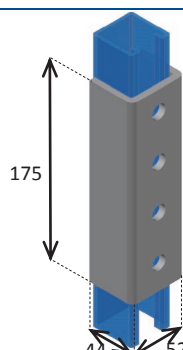
B200

Peso Weight	
0,060Kg	
LB200	LB200-INOX
LB200-E	LB200-A4



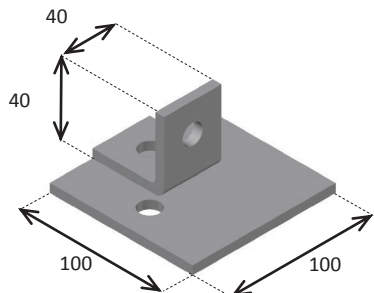
B201

Peso Weight	
0,530 Kg	
LB201	LB201-INOX
LB201-E	LB201-A4



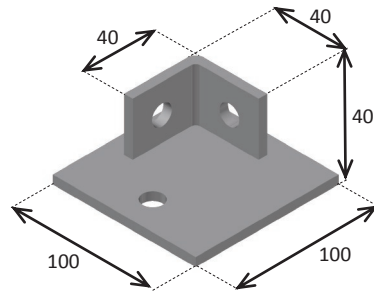
B202

Peso Weight	
0,806 Kg	
LB202	LB202-INOX
LB202-E	LB202-A4



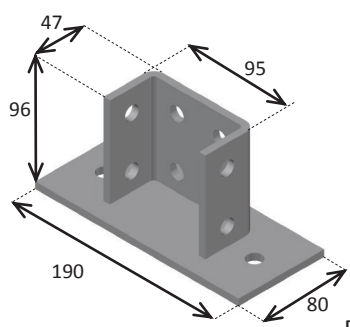
B211

Peso Weight	
0,605Kg	
LB211	LB211-INOX
LB211-E	LB211-A4



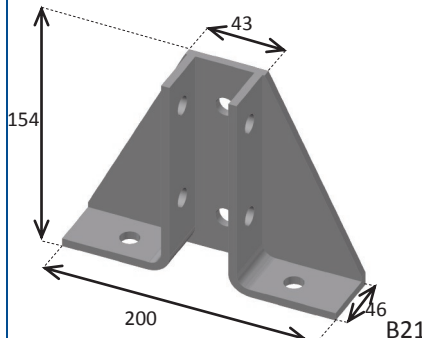
B211/B

Peso Weight	
0,605 Kg	
LB211B	LB211B-INOX
LB211B-E	LB211B-A4



B212

Peso Weight	
1,65 Kg	
LB212	LB212-INOX
LB212-E	LB212-A4

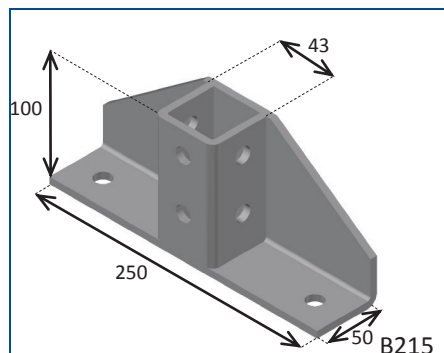


B213

Peso Weight	
1,65 Kg	
LB213	LB213-INOX
LB213-E	LB213-A4

Piastra

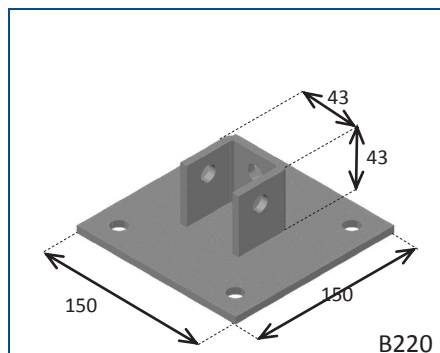
Piastre per il collegamento dei profili serie K realizzate da piatto da 6x40 mm con fori diam. 14 mm
Acciaio S235JR



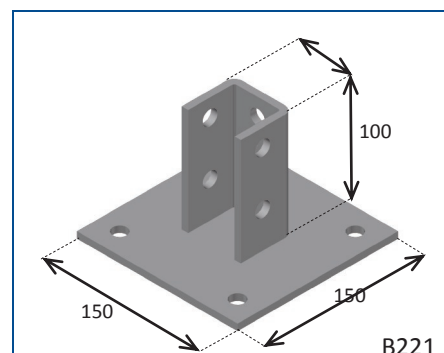
Peso Weight	
1,65 Kg	
LB215	LB215-INOX
LB215-E	LB215-A4

Plates

Plates for connecting the K's anchor channels series made with plate 6x40 mm and with holes diam. 14 mm
Steel S235JR



Peso Weight	
1,33 Kg	
LB220	LB220-INOX
LB220-E	LB220-A4



Peso Weight	
1,96 Kg	
LB221	LB221-INOX
LB221-E	LB221-A4

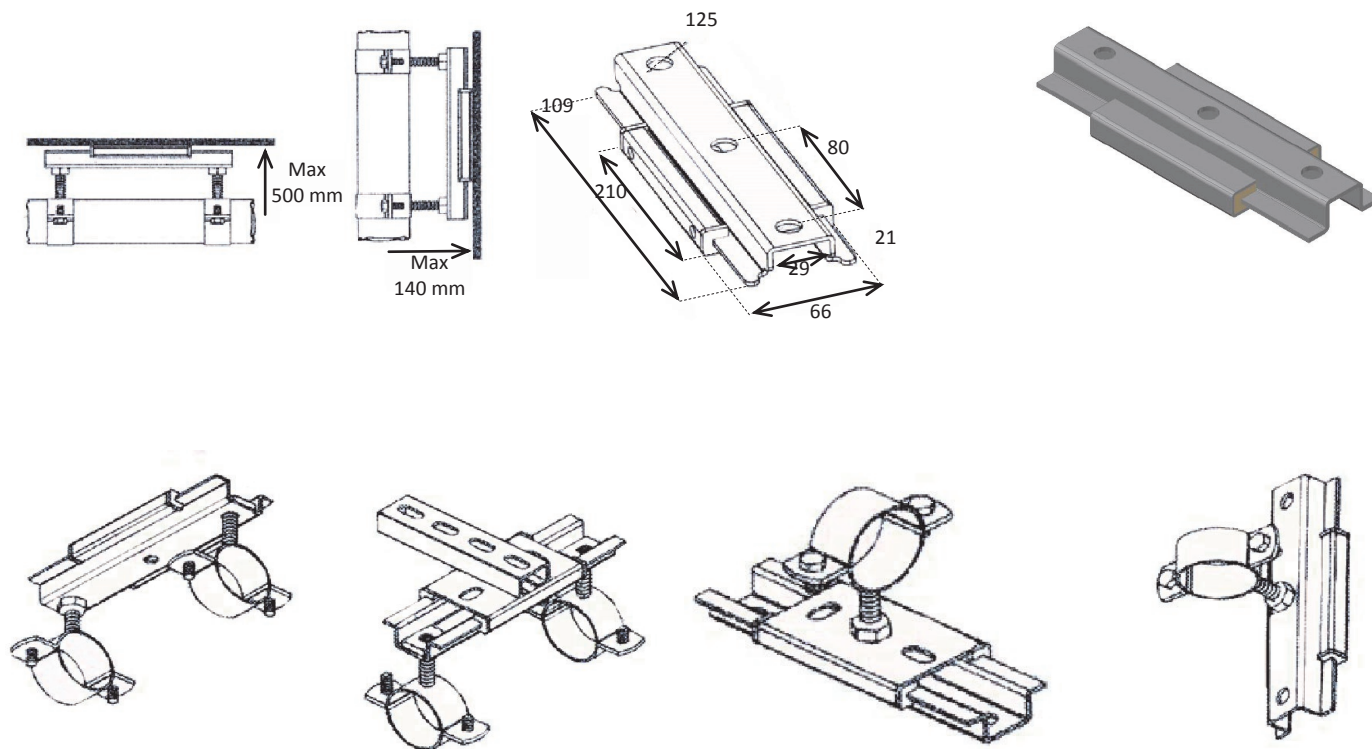
Dilatazioni termiche Thermal dilatation system

Slitta scorrevole LFSG2

Slitta in acciaio S235JR UNI EN 10025 zincato con guida di scorrimento in poliammide con fibra di vetro

LFSG2 slide guide

Carbon steel S235JR UNI EN 10025 galvanized, with slide guide in polyamide with fibreglas



Slitta di scorrimento/ Slide guides

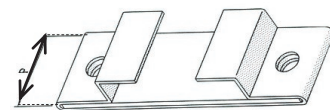
Zinc.Elettrolitica <i>Electrolytic Galv.</i>	Lung. Di scorrimento <i>Sliding length</i>	Attacco <i>Connection</i>	Temperatura <i>Range of temp</i>	N° attacchi <i>N° connection</i>	Carico max deformazione <i>Max sliding load</i>	Carico Soffitto/ pavimento <i>Ceiling/floor application</i>	Carico Parete <i>Wall application</i>
	mm	M	°C	N°	Kgf	Kgf	Kgf
LFSG2	140	M10 / M 12	-30 / 120	singolo/doppio <i>single/double</i>	500	130	100

Slitta scorrevole LST

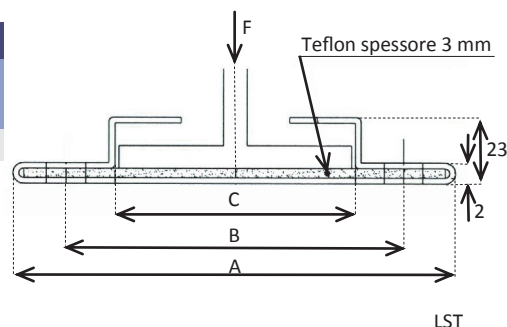
Temperatura massima fluido = 80 °C

LST Slide guide

Max temperature's fluid = 80 °C



Guida di scorrimento longitudinale LST flowing guide						
Zinc.Elettrolitica Electrolytic Galv.	A	B	C	P	Ø	Carico verti- cale max Max load
	mm	mm	mm	mm	mm	Kgf
LST1	140	110	76	40	11	300
LST2	150	120	86	40	11	350
LST3	170	140	106	40	11	400
LST4	190	160	126	40	11	600



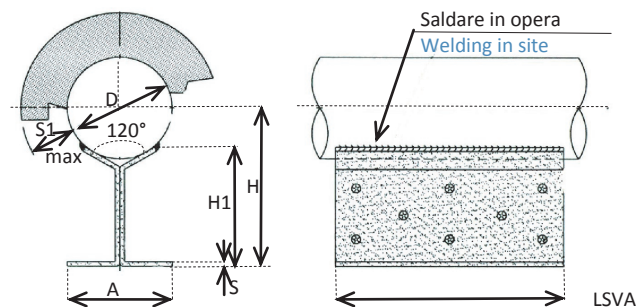
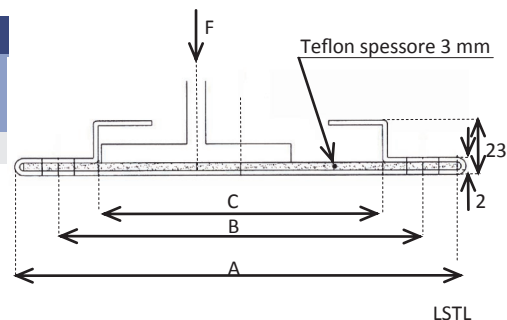
Slitta scorrevole LSTL

Temperatura massima fluido = 80 °C

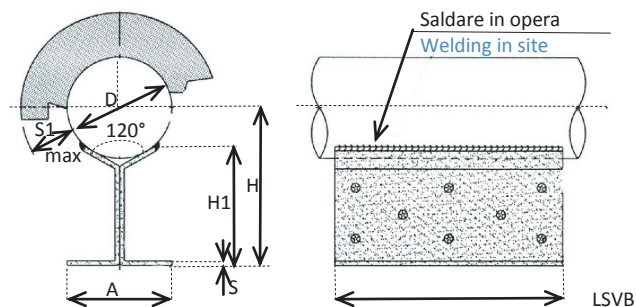
LSTL Slide guide

Max temperature's fluid = 80 °C

Guida di scorrimento longitudinale LSTL flowing guide						
Zinc.Elettrolitica Electrolytic Galv.	A	B	C	P	Ø	Carico verti- cale max Max load
	mm	mm	mm	mm	mm	Kgf
LSTL1	190	160	126	40	11	300
LSTL2	200	170	136	40	11	350
LSTL3	220	190	156	40	11	400
LSTL4	240	210	176	40	11	600



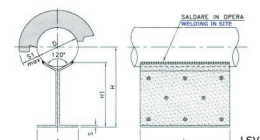
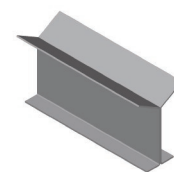
Le slitte sono utilizzabili con i supporti di pag 32 e con i rulli di pag 34-35



The slides are used with the supports of pag. 32 and with the rollers of pag. 34-35



Supporto alto per tubo LSAVA High support for pipe										
Zinc. sendzimir Sendzimir Galv.	ø	DN	A	L	H	H1	S	S1 max	con LST with LST	con rullo roll base
	"	mm	mm	mm	mm	mm	mm	mm		
LSVA1	1/2"	15	66	300	103	100	3	70	LST1	LSR1/LSR2
LSVA1	3/4"	20	66	300	106	100	3	70	LST1	LSR1/LSR2
LSVA1	1"	25	66	300	110	100	3	70	LST1	LSR1/LSR2
LSVA1	1"1/4	32	66	300	115	100	3	70	LST1	LSR1/LSR2
LSVA1	1"1/2	40	66	300	118	100	3	70	LST1	LSR1/LSR2
LSVA2	2"	50	66	300	136	115	3	90	LST1	LSR1/LSR2
LSVA2	2"1/2	65	66	300	145	115	3	90	LST1	LSR1/LSR2
LSVA2	3"	80	66	300	152	115	3	90	LST1	LSR1/LSR2
LSVA2	4"	100	66	300	166	115	3	90	LST1	LSR1/LSR2
LSVA2	5"	125	66	300	177	115	3	90	LST1	LSR1/LSR2
LSVA2	6"	150	66	300	195	115	3	90	LST1	LSR1/LSR2
LSVA3	8"	200	76	300	246	150	5	100	LST2	LSR2
LSVA3	10"	250	76	300	276	150	5	100	LST2	LSR2
LSVA3	12"	300	76	300	304	150	5	100	LST2	LSR2
LSVA3	14"	350	76	300	320	150	5	100	LST2	LSR2
LSVA3	16"	400	76	300	346	150	5	100	LST2	LSR2
LSVA3	18"	450	76	300	373	150	5	100	LST2	LSR2
LSVA3	20"	500	76	300	398	150	5	100	LST2	LSR2

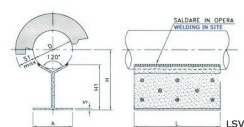
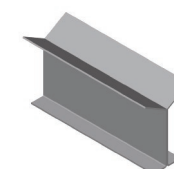


Vedere pagina 31

Utilizzabili con alto spessore di coibentazione

To be used with thick insulation

Supporto basso per tubo LSVB Low support for pipe										
Zinc.sendzimir Sendzimir Galv.	ø	DN	A	L	H	H1	S	S1 max	con LST with LST	Con rullo Roll base
	"	mm	mm	mm	mm	mm	mm	mm		
LSVB1	1/2"	15	58	300	68	62,5	3	40	LST1	LSR1/LSR2
LSVB1	3/4"	20	58	300	71	62,5	3	40	LST1	LSR1/LSR2
LSVB1	1"	25	58	300	75	62,5	3	40	LST1	LSR1/LSR2
LSVB1	1"1/4	32	58	300	80	62,5	3	40	LST1	LSR1/LSR2
LSVB2	1"1/2	40	66	300	93	77,5	3	50	LST1	LSR1/LSR2
LSVB2	2"	50	66	300	100	77,5	3	50	LST1	LSR1/LSR2
LSVB2	2"1/2	65	66	300	108	77,5	3	50	LST1	LSR1/LSR2
LSVB2	3"	80	66	300	116	77,5	3	50	LST1	LSR1/LSR2
LSVB3	4"	100	66	300	146	105	3	70	LST1	LSR1/LSR2
LSVB3	5"	125	66	300	157	105	3	70	LST1	LSR1/LSR2
LSVB3	6"	150	66	300	177	105	3	70	LST1	LSR1/LSR2
LSVB4	8"	200	76	300	205	105	5	70	LST2	LSR2
LSVB4	10"	250	76	300	234	105	5	70	LST2	LSR2
LSVB4	12"	300	76	300	262	105	5	70	LST2	LSR2
LSVB4	14"	350	76	300	278	105	5	70	LST2	LSR2
LSVB5	16"	400	76	300	317	120	5	90	LST2	LSR2
LSVB5	18"	450	76	300	343	120	5	90	LST2	LSR2
LSVB5	20"	500	76	300	369	120	5	90	LST2	LSR2



Utilizzabili con alto spessore di coibentazione

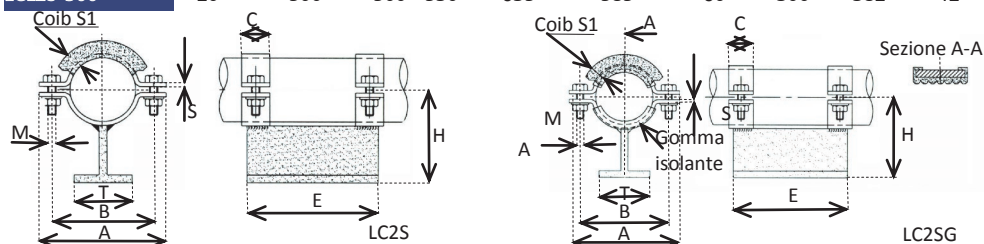
To be used with thick insulation

zincato sendzimir
acciaio carbonio S235JR EN 10142

sendzimir galvanized
Carbon steel S235JR EN 10142

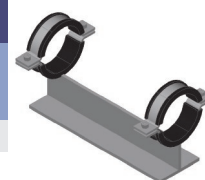
Collare LC2S

Zinc.Elettrolitica Electrolytic Galv.	ø	DN	Per tubi For pipe	A	B	C	E	H	M	S	S1	T
"	mm		ø	mm	mm	mm	mm	mm	mm	mm	mm	mm
LC2S-20	1/2"	15	17 - 26	76,5	51,5	25	200	74	6	3	50	60
LC2S-25	3/4"	20	22 - 32	82	57	25	200	77	6	3	50	60
LC2S-32	1"	25	29 - 38	88,5	63,5	25	200	90	6	3	60	70
LC2S-40	1 1/4"	32	38 - 47	97,5	72,5	25	200	94	6	3	60	70
LC2S-50	1 1/2"	40	44 - 53	103,5	78,5	25	200	97	6	3	60	70
LC2S-65	2"	50	53 - 68	115,5	90,5	25	200	113	6	3	70	80
LC2S-80	2 1/2"	65	69 - 83	131	106	25	200	121	6	3	70	80
LC2S-100	3"	80	82 - 96	144	119	25	200	128	6	3	70	80
LC2S-125	4"	100	105 - 125	194,5	164,5	40	200	141	8	4	70	80
LC2S-150	5"	125	130 - 150	219,5	189,5	40	200	154	8	4	70	80
LC2S-200	6"	150	160 - 180	248,5	218,5	40	200	168	8	4	70	80
LC2S-250	8"	200	210 - 230	299	269	40	300	214	8	4	90	100
LC2S-300	10"	250	260 - 290	370	340	40	300	240	8	4	90	100
LC2S-350	12"	300	310 - 340	450	400	60	300	270	12	8	90	100
LC2S-400	14"	350	350 - 380	480	430	60	300	286	12	8	90	100
LC2S-450	16"	400	400 - 415	530	480	60	300	331	12	8	110	120
LC2S-500	18"	450	450 - 480	580	530	60	300	357	12	8	110	120
LC2S-500	20"	500	500 - 530	635	585	60	300	382	12	8	110	120



Collare LC2SG

Zinc.Elettrolitica Electrolytic Galv.	ø	DN	Per tubi For pipe	A	B	C	E	H	M	S	S1	T
"	mm		ø	mm	mm	mm	mm	mm	mm	mm	mm	mm
LC2SG-15	1/2"	15	17 - 26	82,5	57,5	25	200	77	6	3	50	60
LC2SG-20	3/4"	20	22 - 32	88	63	25	200	80	6	3	50	60
LC2SG-25	1"	25	29 - 38	94,5	69,5	25	200	93	6	3	60	70
LC2SG-32	1 1/4"	32	38 - 47	103,5	78,5	25	200	97	6	3	60	70
LC2SG-40	1 1/2"	40	44 - 53	109,5	84,5	25	200	100	6	3	60	70
LC2SG-50	2"	50	53 - 68	121,5	96,5	25	200	116	6	3	70	80
LC2SG-65	2 1/2"	65	69 - 83	137	112	25	200	124	6	3	70	80
LC2SG-80	3"	80	82 - 96	150	125	25	200	131	6	3	70	80
LC2SG-100	4"	100	105 - 125	203,5	173,5	40	200	146	8	4	70	80
LC2SG-125	5"	125	130 - 150	228,5	198,5	40	200	159	8	4	70	80
LC2SG-150	6"	150	160 - 180	257,5	227,5	40	200	173	8	4	70	80
LC2SG-200	8"	200	210 - 230	308	278	40	300	219	8	4	90	100
LC2SG-250	10"	250	260 - 290	370	340	40	300	245	8	4	90	100
LC2SG-300	12"	300	310 - 340	450	400	60	300	276	12	8	90	100
LC2SG-350	14"	350	350 - 380	480	430	60	300	292	12	8	90	100
LC2SG-400	16"	400	400 - 415	530	480	60	300	337	12	8	110	120
LC2SG-450	18"	450	450 - 480	580	530	60	300	363	12	8	110	120
LC2SG-500	20"	500	500 - 530	635	585	60	300	388	12	8	110	120



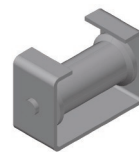
zincato sendzimir/
acciaio carbonio
S235JR EN 10142
Carbon steel

Supporto LSR

Gabbia a rullo : acciaio carbonio
Perno : acciaio inox
Boccole : bronzo

LSR seam support

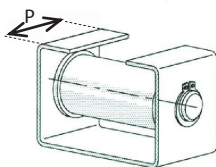
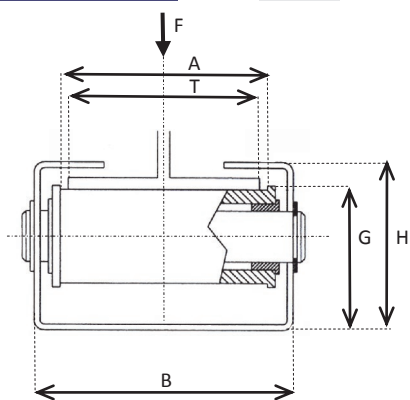
Box and roll : carbon steel
Pivot : stainless steel
Bushing : bronze



Supporti a rullo LSR seam support								
Zinc.Elettrolitica Electrolytic Galv.	A	B	G	H	P	T	F	Max temp. fluido
	mm	mm	mm	mm	mm	mm	da N	°C
LSR1	75	100	50	58	40	60-70	1000	150
LSR2	85	111	60	78	50	80	2500	150

Supporti per tubo
Low support for pipe

LSVA1 LSVA2 - LSVB1-LSVB2-LSVB3
LSVA3 - LSVB4-LSVB5

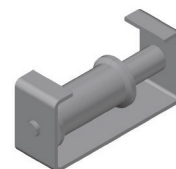


Supporto LSRL

Gabbia a rullo : acciaio carbonio
Perno : acciaio inox
Boccole : bronzo
Temperatura massima fluido = 150 °C

LSRL seam support

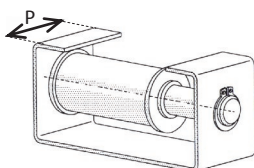
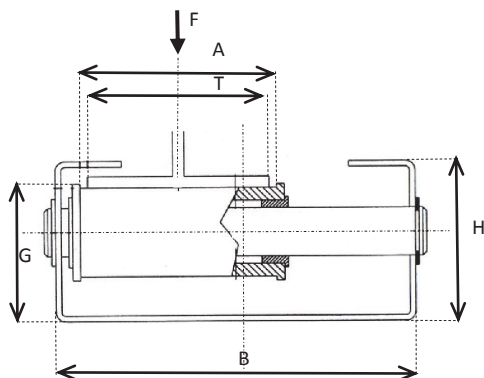
Box and roll : carbon steel
Pivot : stainless steel
Bushing : bronze
Max temperature's fluid = 150 °C



Supporti a rullo LSRL seam support								
Zinc.Elettrolitica Electrolytic Galv.	A	B	G	H	P	T	F	Max temp. fluido
	mm	mm	mm	mm	mm	mm	da N	°C
LSRL1	75	148	50	58	40	60-70	600	150
LSRL2	85	161	60	78	50	80	1000	150

Supporti per tubo
Low support for pipe

LSVA1 LSVA2 - LSVB1-LSVB2-LSVB3
LSVA3 - LSVB4-LSVB5

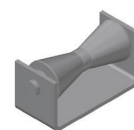


Supporto LSRC

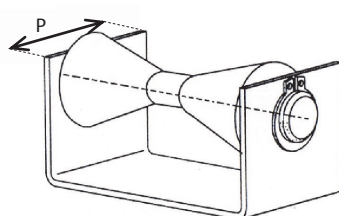
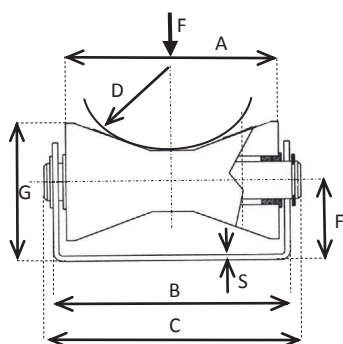
Gabbia a rullo : acciaio carbonio
Perno : acciaio inox
Boccole : bronzo

LSRC seam support

Box and roll : carbon steel
Pivot : stainless steel
Bushing : bronze



Supporti a rullo LSRC seam support									
Zinc.Elettrolitica Electrolytic Galv.	A	B	C	D	F	G	P	S	F
	mm	mm	mm	mm	mm	mm	mm	mm	da N
LSRC1	55	70	82	DN25 - DN80	30	60	40	4	1000
LSRC2	85	100	113	DN80 - DN150	34	75	50	4	2500
LSRC3	120	140	153	DN150 - DN250	39	97,50	50	4	2500

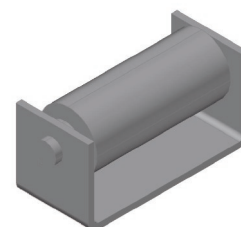


Supporto LSRP

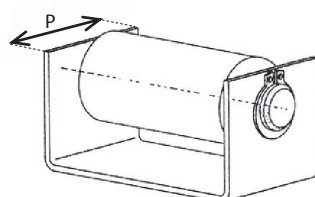
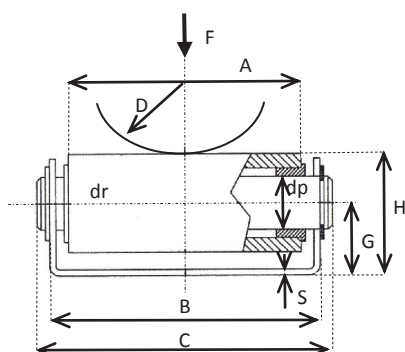
Gabbia a rullo : acciaio carbonio
Perno : acciaio inox
Boccole : bronzo

LSRP seam support

Box and roll : carbon steel
Pivot : stainless steel
Bushing : bronze

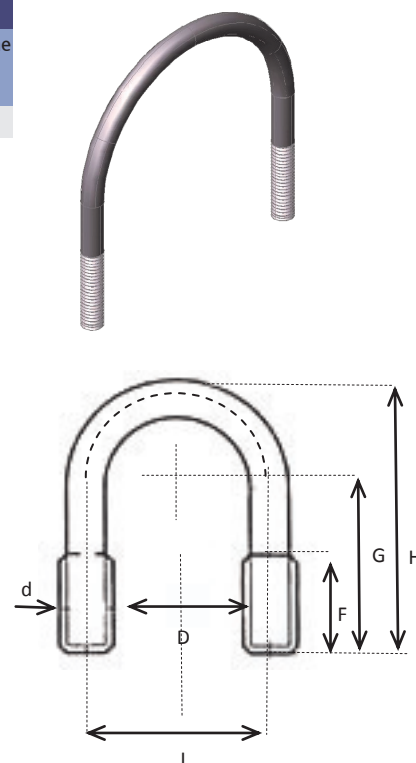


Supporti a rullo LSRP seam support												
Zinc.Elettrolitica Electrolytic Galv.	A	B	C	D	dp	dr	G	I	P	S	F	Supporti per tubo Low support for pipe
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	da N	
LSRP1	85	100	113	DN15 - DN150	15	45	27	40,5	40	4	1000	LSVA1 LSVA2 - LSVB1-LSVB2-LSVB3
LSRP2	120	140	153	DN150 - DN300	15	45	32,5	55	50	4	2500	LSVA3 - LSVB4-LSVB5



Cavallotti Leggeri / Light U- Bolt

Zinc.Elett. Electro Galv.	Tubo Pipe	D	d	F	H	I	Peso Weight	Confezione Packing
	"	mm	MA	mm	mm	mm	Kg.	pz.
LZL/009	1/8"	11	M06	19	36	17	10,0	500
LZL/010	1/4"	14	M06	19	39	20	10,5	500
LZL/011	3/8"	18	M06	19	42	24	11,2	500
LZL01	1/2"	22	M06	25	48	28	12,4	500
LZL02	3/4"	27	M06	25	52	33	13,5	500
LZL03	1"	34	M06	25	60	40	14,9	500
LZL04	1" 1/4	43	M06	25	68	49	16,8	500
LZL05	1" 1/2	49	M08	30	80	57	14,4	200
LZL06	2"	61	M08	30	92	69	16,4	200
LZL07	2" 1/2	77	M08	30	108	85	9,5	100
LZL08	3"	89	M08	30	120	97	10,4	100
LZLOR	3" 1/2	102	M08	35	137	110	11,7	100
LZL09	4"	115	M08	35	149	123	12,7	100
LZL10	5"	140	M08	35	176	148	14,8	100
LZL11	6"	168	M10	45	211	178	14,2	50
LZL13	8"	220	M10	45	263	230	17,4	50
LZL13/1	10"	274	M10	45	317	284	20,9	50
LZL14	12"	324	M16	60	383	340	13,4	10
LZL16	14"	356	M16	60	415	372	14,5	10
LZL17	16"	408	M16	60	467	424	16,2	10



Cavallotti :Acciaio S235JR UNI EN 10025
 zincato elettrolitico UNI 3740/6 µm 12
 I cavallotti sono forniti completi di 2 dadi
 rondelle e due dadi

U-Bolts: S235JR steel - UNI EN 10025
 electrolytic galvanized UNI 3740/6 µm 12
 The U-bolts are supplied with 2 washer and
 2 nuts each

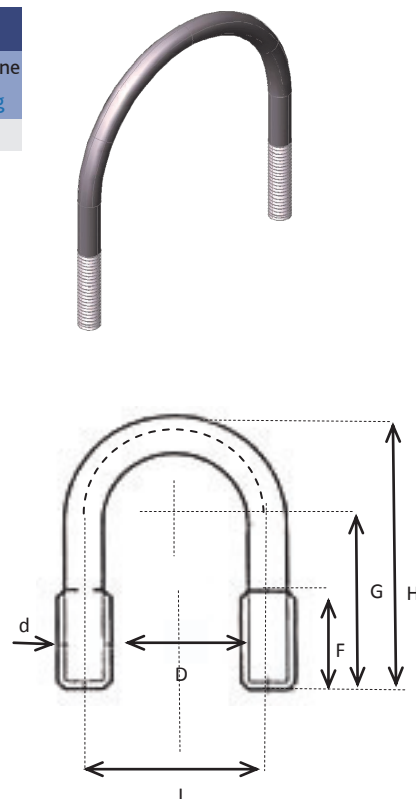
Cavallotti Medi / Medium U-bolt

Zinc.Elett. Electro Galv.	Tubo Pipe	D	d	F	H	I	Peso Weight	Confezione Packing
	"	mm	MA	mm	mm	mm	Kg.	pz.
LZM01	1/2"	22	M08	30	59	30	10,8	200
LZM02	3/4"	27	M08	30	63	35	11,5	200
LZM03	1"	34	M08	30	71	42	12,7	200
LZM04	1" 1/4	43	M08	30	79	51	14,1	200
LZM05	1" 1/2	49	M10	40	91	59	13,2	100
LZM06	2"	61	M10	40	103	71	14,6	100
LZM07	2" 1/2	77	M10	40	119	87	16,8	100
LZM08	3"	89	M10	40	131	99	18,3	50
LZM09	3" 1/2	102	M12	50	153	114	15,1	50
LZM10	4"	115	M12	50	167	127	16,3	50
LZM11	5"	140	M12	50	191	152	18,6	50
LZM12	6"	168	M12	50	219	180	21,2	50
LZM13	8"	220	M16	60	282	236	24,8	25
LZM14	10"	274	M16	60	336	290	29,4	10
LZM15	12"	324	M20	70	397	344	10,8	5
LZM16	14"	356	M20	70	429	376	11,6	5
LZM17	16"	408	M20	70	481	428	13,0	5
LZM18	18"	460	M20	70	533	480	14,4	5
LZM20	20"	510	M20	70	583	530	15,7	5
LZM24	24"	612	M20	70	685	632	18,3	5

Cavallotti in acciaio S235JR UNI EN 10025
zincato elettrolitico UNI 3740/6 µm 12
I cavallotti sono forniti completi di 2 dadi e rondelle piane disassemblate

U-Bolts in S235JR steel, UNI EN 10025
electrolytic galvanized UNI 3740/6 µm 12
The U-bolts are supplied with 2 washer and 2 nuts each not assembled

Cavallotti Pesanti / Heavy U-bolt								
Zinc.Elettrolitica Electr. Galv.	Tubo Pipe	D	d	F	H	I	Peso Weight	Confezione Packing
	"	mm	MA	mm	mm	mm	Kg.	pz.
LZP01	1/2"	22	M10	40	69	32	10,3	100
LZP02	3/4"	27	M10	40	75	37	11,0	100
LZP03	1"	34	M10	40	81	44	11,8	100
LZP04	1" 1/4	43	M10	40	91	53	13,0	100
LZP05	1" 1/2	49	M12	60	111	61	11,0	50
LZP06	2"	61	M12	60	123	73	12,0	50
LZP06A	2" 1/2	77	M12	60	139	89	13,5	50
LZP08	3"	89	M12	60	151	101	14,7	50
LZP07	3" 1/2	102	M16	70	174	118	15,3	25
LZP09	4"	115	M16	70	188	131	16,6	25
LZP10	5"	140	M16	70	212	156	18,7	25
LZP11	6"	168	M16	70	240	184	21,1	25
LZP12	8"	220	M20	80	303	240	16,5	10
LZP13	10"	274	M20	80	357	294	19,3	10
LZP14	12"	324	M24	90	418	348	15,9	5
LZP15	14"	356	M24	90	450	380	17,1	5
LZP16	16"	408	M24	90	502	432	19,0	5
LZP17	18"	460	M24	90	554	484	20,9	5
LZP18	20"	510	M24	90	604	534	22,7	5
LZP20	24"	612	M24	90	706	636	26,5	5



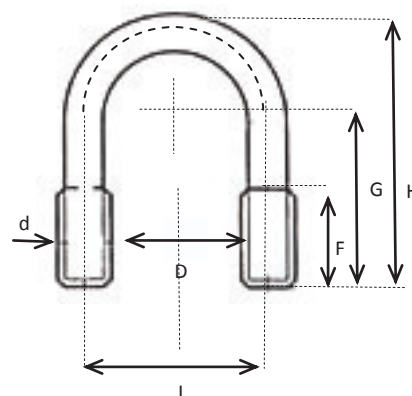
Cavallotti inox AISI 304

I cavallotti sono forniti completi di 2 dadi e rondelle piane disassemblati

Stainless steel A2 u-bolt

The U-bolts are supplied with 2 washer and 2 nuts each not assembly

Cavallotti Leggeri / Light U- Bolt								
Aisi 304 A2	Tubo Pipe	D	d	F	H	I	Peso Weight	Confezione Packing
	"	mm	MA	mm	mm	mm	Kg.	pz.
LIL001	1/8"	11	M06	16	34	17	3,9	200
LIL002	1/4"	14	M06	16	37	20	4,1	200
LIL003	3/8"	18	M06	16	41	24	4,4	200
LIL01	1/2"	22	M06	18	45	28	4,7	200
LIL02	3/4"	27	M06	18	50	33	5,2	200
LIL03	1"	34	M06	18	57	40	5,8	200
LIL04	1" 1/4	43	M06	18	66	49	6,6	200
LIL05	1" 1/2	49	M08	28	77	57	7,0	100
LIL06	2"	61	M08	28	89	69	8,0	100
LIL07	2" 1/2	77	M08	28	105	85	9,3	100
LIL08	3"	89	M08	28	117	97	10,2	100
LIL09	3" 1/2	102	M08	35	134	110	11,5	100
LIL13	4"	115	M08	35	146	123	12,5	100
LIL14	5"	140	M08	35	172	148	14,5	100
LIL15	6"	168	M10	45	205	178	13,9	50
LIL16	8"	220	M10	45	257	230	17,2	50
LIL17	10"	274	M10	45	311	284	20,6	50



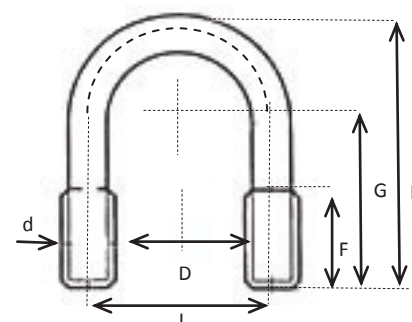
Cavallotti in acciaio inox AISI 316

I cavallotti sono forniti completi di 2 dadi e rondelle piane disassemblati

Stainless steel A4 u-bolt

The U-bolts are supplied with 2 washer and 2 nuts each not assembly

Cavallotti Leggeri / Light U- Bolt								
Aisi 316 A4	Tubo Pipe	D	d	F	H	I	Peso Weight	Confezione Packing
	"	mm	MA	mm	mm	mm	Kg.	pz.
LYM01	1/2"	22	M08	25	55	30	10,3	200
LYM02	3/4"	27	M08	25	59	35	11,0	200
LYM03	1"	34	M08	25	67	42	12,2	200
LYM04	1" 1/4	43	M08	25	75	51	13,6	200
LYM05	1" 1/2	49	M10	36	87	59	12,8	100
LYM06	2"	61	M10	36	99	71	14,2	100
LYM07	2" 1/2	77	M10	36	115	87	16,4	100
LYM08	3"	89	M10	36	127	99	17,9	100



Cavallotti inox

Stainless steel U-bolt



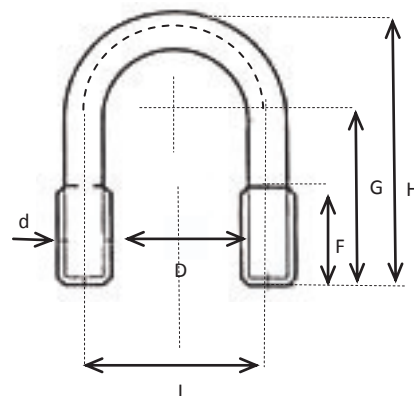
Cavallotti inox AISI 304

I cavallotti sono forniti completi di 2 dadi e rondelle piane disassemblati

Stainless steel A2 u-bolt

The U-bolts are supplied with 2 washer and 2 nuts each not assembly

Cavallotti Pesanti / Heavy U-bolt								
AISI 304	Tubo	D	d	F	H	I	Peso	Confezione
A2	Pipe						Weight	Packing
	"	mm	MA	mm	mm	mm	Kg.	pz.
LIP01	1/2"	22	M08	25	55	30	10,3	200
LIP02	3/4"	27	M08	25	59	35	11,0	200
LIP03	1"	34	M08	25	67	42	12,2	200
LIP04	1" 1/4	43	M08	25	75	51	13,6	200
LIP05	1" 1/2	49	M10	36	87	59	12,8	100
LIP06	2"	61	M10	36	99	71	14,2	100
LIP06A	2" 1/2	77	M10	36	115	87	16,4	100
LIP08	3"	89	M10	36	127	99	17,9	100
LIP08A	3" 1/2	102	M12	45	148	114	14,8	50
LIP09	4"	115	M12	45	162	127	16,0	50
LIP10	5"	140	M12	45	186	152	18,3	50



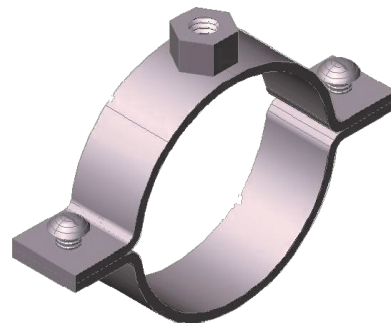
Collari semplici

Simple pipe rings

Collari in acciaio carbonio zincato completo di viti testa esagonale con taglio a croce

Clamps zinc plated mild steel bolts completed

Collare Semplice / Simple clamp					
Zinc.Elettrolitica	Ø DN	Ø est. tubo	Ø Attacco filettato	Sez. del collare	Confezione
Electrolytic Galv.	Ø ND	Ø est. pipe	Ø Threaded nut	Clamp section	Packing
	Ø	mm		mm	n°
LP120/01B	3/8"	16-18	M 8	20x2,5	100
LP120/02B	1/2"	20-22	M 8	20x2,5	100
LP120/03B	3/4"	26-29	M 8	20x2,5	100
LP120/04B	1"	32-35	M 8	20x2,5	100
LP120/05B	1" 1/4	39-43	M 8	20x2,5	100
LP120/06B	1" 1/2	46-49	M 8	20x2,5	100
LP120/07B	2"	58-61	M 8	20x2,5	50
LP120/09B	2" 1/2	73-76,5	M 10	30x2,5	50
LP120/10B	3"	86-89	M 10	30x2,5	50
LP120/11B	4"	110-115	M 10	30x2,5	50
LP120/12B	5"	140	M 10	30x2,5	50



Collari in acciaio carbonio zincato completo di viti testa esagonale con taglio a croce

Clamps zinc plated mild steel bolts completed

Collare Semplice con vite e tassello in nylon / Simple clamp with nylon dowels and screw						
Zinc.Elettrolitica	Ø DN	Ø est. tubo	Ø Attacco filettato	Sez. del collare	Tassello	Confezione
Electrolytic Galv.	Ø ND	Ø est. pipe	Ø Threaded nut	Clamp section	Dowel	Packing
	Ø	mm		mm	mm	n°
LP120/01A	3/8"	14-18	M 8	20x2,5	30+60	100
LP120/02A	1/2"	20-25	M 8	20x2,5	30+60	100
LP120/03A	3/4"	26-30	M 8	20x2,5	30+60	100
LP120/04A	1"	31-38	M 8	20x2,5	30+60	100
LP120/05A	1" 1/4	40-47	M 8	20x2,5	30+60	100
LP120/06A	1" 1/2	46-53	M 8	20x2,5	30+60	100
LP120/07A	2"	58-63	M 8	20x2,5	30+60	100
LP120/09A	2" 1/2	72-80	M 10	30x2,5	30+90	100
LP120/10A	3"	80-92	M 10	30x2,5	30+90	100
LP120/11A	4"	110-115	M 10	30x2,5	30+90	50
LP120/12A	5"	140	M 10	30x2,5	30+90	50



Collari semplici inox

Stainless steel simple clamps

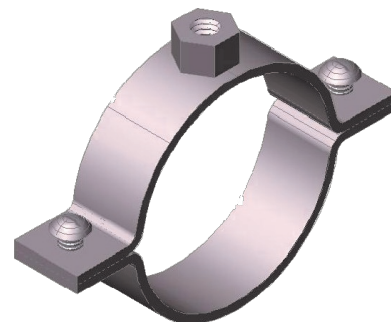
Collari in acciaio inox AISI 316 completo di viti inox M6 e rondelle in plastica preassemblato

Stainless steel clamps A4 completed with preassembled plastic washer

Carico max 2 kN, Carico di rottura 6 kN

Max load 2 kN, Bracking load 6 kN

Collare Semplice / Simple clamp					
Aisi 316	Ø DN	Ø est. tubo	Ø Attacco filettato	Sez. del collare	Confezione
A4	Ø ND	Ø est. pipe	Ø Threaded nut	Clamp section	Packing
	"	mm		mm	n°
L130018	3/8"	15-18	M8-M10	20x2,0	50
L130022	1/2"	20-24	M8-M10	20x2,0	50
L130028	3/4"	26-30	M8-M10	20x2,0	50
L130035	1"	32-36	M8-M10	20x2,0	50
L130040	1" 1/4	38-42	M8-M10	20x2,0	25
L130048	1" 1/2	47-50	M8-M10	20x2,0	25
L130060	2"	60-64	M8-M10	20x2,0	25
L130075	2" 1/2	75-80	M8-M10	20x2,0	25
L130090	3"	87-92	M8-M10	20x2,0	25
L130100	3" 1/2	100-103	M8-M10	20x2,0	25
L130115	4"	114-119	M8-M10	20x2,0	25
L130140	5"	133-140	M8-M10	20x2,0	25
L130160	6"	159-165	M8-M10	20x2,0	25
L130220	8"	215-225	M8-M10	20x2,0	25



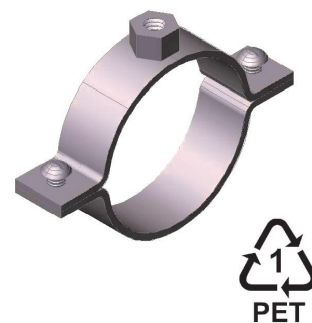
Collari per tubi polietilene

Clamps for polyethylene pipes

Collari in acciaio carbonio zincato completo di viti testa esagonale con taglio a croce

Clamps zinc plated mild steel bolts completed

Collare leggero per tubi in polietilene / Light clamp for polyethylene pipes					
Zinc.Elettrolitica	Ø DN	Ø est. tubo	Ø Attacco filettato	Sez. del collare	Confezione
Electrolytic Galv.	Ø ND	Ø est. pipe	Ø Threaded nut	Clamp section	Packing
	Ø	mm		mm	n°
LP120/14B	40	M 10	20x2,7	0,13	100
LP120/15B	50	M 10	20x2,7	0,15	100
LP120/08B	75	M 10	30x2,7	0,19	100
LP120/16B	90	M 10	30x2,7	0,21	100
LP120/17B	100	M 10	30x2,7	0,23	100
LP120/18B	125	M 10	30x2,7	0,29	50
LP120/12B	140	M 10	30x2,7	0,33	50
LP120/13B	160	M 10	30x2,7	0,37	50
LP120/19B	200	M 10	30x2,7	0,45	50



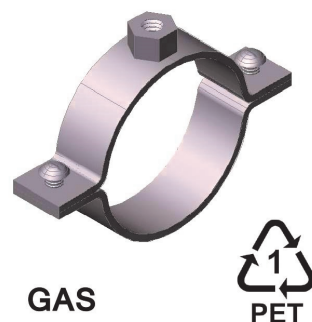
Collare leggero per tubi in polietilene / Light clamp for polyethylene pipes					
Zinc.Elettrolitica	Ø DN	Ø est. tubo	Ø Attacco filettato	Sez. del collare	Confezione
Electrolytic Galv.	Ø ND	Ø est. pipe	Ø Threaded nut	Clamp section	Packing
	Ø	mm		mm	n°
LP120/14A	40	M 10	20x2,7	0,13	100
LP120/15A	50	M 10	20x2,7	0,15	100
LP120/08A	75	M 10	30x2,7	0,19	100
LP120/16A	90	M 10	30x2,7	0,21	100
LP120/17A	100	M 10	30x2,7	0,23	100
LP120/18A	125	M 10	30x2,7	0,29	50
LP120/12A	140	M 10	30x2,7	0,33	50
LP120/13A	160	M 10	30x2,7	0,37	50
LP120/19A	200	M 10	30x2,7	0,45	50



Collari in acciaio carbonio zincato completo di viti testa esagonale con taglio a croce

Clamps zinc plated mild steel bolts completed

Collare per tubi in polietilene/ Clamp for polyethylene pipes						
Zinc.Elettrolitica	Tubo	Ø est. tubo	Attacco Gas	Sez. del collare	Peso al pezzo	Confezione
Electrolytic Galv.	Pipe	Ø est. pipe	Gas connection	Clamp section	Weight piece	Packing
	mm	mm	"	mm	Kg	n°
LP122/01	40	43	1/2"	30x2,5	0,14	50
LP122/02	50	53	1/2"	30x2,5	0,16	50
LP122/03	56	59	1/2"	30x2,5	0,17	50
LP122/04	63	66	1/2"	30x2,5	0,19	25
LP122/05	75	78	1/2"	30x2,5	0,21	25
LP122/06	90	93	1/2"	30x2,5	0,35	25
LP122/07	110	113	1/2"	30x2,5	0,41	25
LP122/08	125	128	1/2"	30x2,5	0,43	25
LP122/09	140	143	1/2"	30x2,5	0,78	25
LP122/10	160	163	1/2"	30x2,5	0,88	25
LP122/11	200	203	1"	40x4	1,03	10
LP122/12	220	223	1"	40x4	1,24	10
LP122/13	250	253	1"	40x4	1,40	10
LP122/14	315	318	1"	40x4	1,85	10
LP122/15	400	403	1"	40x4	1,95	10

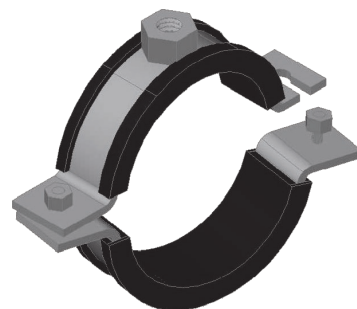


Collari con gomma Rubber pipe rings

Collare in gomma in acciaio S235JR zincato elettrolitico, completo di viti esagonali con croce sulla testa M6, e rondelle in plastica.
Isolamento acustico DIN 4109 realizzato in EPDM, riduzione del rumore 18 DB (A). Temperatura del fluido da -40°C a +110 °C
Carico max 1,2 kN, Carico di rottura 3,6 kN

Rubber clamp in S235JR steel, electrolytically galvanized, with hexagonal head M6, with cross on the head, and plastic washer.
Acoustic isolation DIN 4109 in EPDM, noise reduction to 18 DB (A). Fluid temperature from -40°C to +110 °C
Max load 1,2 kN, Braking load 3,6 kN

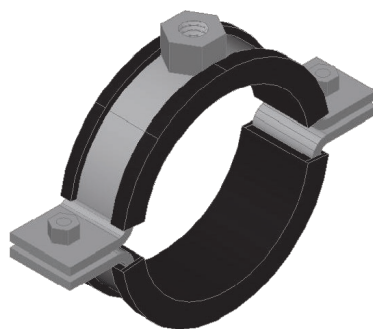
Collare con gomma leggero attacco rapido / Light clamp with rubber					
Zinc.Elettrolitica	Ø DN	Ø est. tubo	Ø Attacco filettato	Sez. del collare	Confezione
Electrolytic Galv.	Ø ND	Ø est. pipe	Ø Threaded nut	Clamp section	Packing
	"	mm	mm	mm	n°
L132015	1/4"	12-16	M 8	20x1,5	50
L132018	3/8"	17-19	M 8	20x1,5	50
L132022	1/2"	20-24	M 8	20x1,5	50
L132028	3/4"	25-28	M 8	20x1,5	50
L132035	1"	32-36	M 8	20x1,5	50
L132042	1" 1/4	40-43	M 8	20x1,5	25
L132048	1" 1/2	47-50	M 8	20x1,5	25
L132060	2"	59-63	M 8	20x1,5	25
L132075	2" 1/2	74-80	M 8	20x1,5	25
L132090	3"	87-92	M 8	20x1,5	25
L132100	3" 1/2	99-105	M 8	20x1,5	25
L132115	4"	113-118	M 8	20x1,5	25



Collare con gomma in acciaio S235JR zincato elettrolitico, completo di viti esagonali con croce sulla testa M6, e rondelle in plastica.
Isolamento acustico DIN 4109 realizzato in EPDM, riduzione del rumore 18 DB (A). Temperatura del fluido da -40°C a +110 °C
Carico max 2 kN, Carico di rottura 6 kN

Rubber clamp in S235JR steel, electrolytically galvanized, with hexagonal head M6, with cross on the head, and plastic washer.
Acoustic isolation DIN 4109 in EPDM, noise reduction to 18 DB (A). Fluid temperature from -40°C to +110 °C
Max load 2 kN, Braking load 6 kN

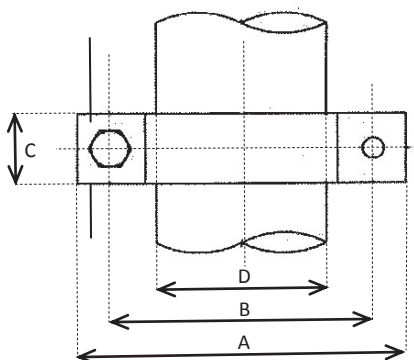
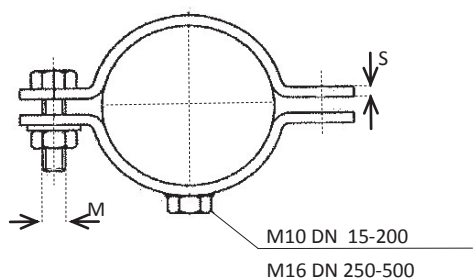
Collare con gomma medio / Mean clamp with rubber					
Zinc.Elettrolitica	Ø DN	Ø est. tubo	Ø Attacco filettato	Sez. del collare	Confezione
Electrolytic Galv.	Ø ND	Ø est. pipe	Ø Threaded nut	Clamp section	Packing
	"	mm	mm	mm	n°
L115018	3/8"	15-19	M 8 / M 10	20x2	50
L115022	1/2"	20-25	M 8 / M 10	20x2	50
L115028	3/4"	26-30	M 8 / M 10	20x2	50
L115035	1"	32-36	M 8 / M 10	20x2	50
L115040	1" 1/4	38-45	M 8 / M 10	20x2	25
L115048	1" 1/2	47-51	M 8 / M 10	20x2	25
L115060	2"	60-64	M 8 / M 10	20x2	25
L115075	2" 1/2	74-80	M 8 / M 10	20x2	25
L115090	3"	87-92	M 8 / M 10	20x2	25
L115100	3" 1/2	99-105	M 8 / M 10	20x2,5	25
L115115	4"	113-118	M 8 / M 10	20x2,5	25
L115140	5"	138-142	M 8 / M 10	20x2,5	25
L115160	6"	159-166	M 8 / M 10	20x2,5	25
L115220	8"	215-220	M 8 / M 10	20x2,5	25
L115250	10"	249-254	M 8 / M 10	20x2,5	25
L115300	12"	299-304	M 8 / M 10	20x2,5	25
L115400	16"	399-404	M 8 / M 10	20x2,5	25
L115500	20"	499-504	M 8 / M 10	20x2,5	25
L115600	24"	599-604	M 8 / M 10	20x2,5	25



Collari Pesante semplice Heavy simple clamps

Collare in acciaio S235JR zincato elettrolitico, completo di viti con testa esagonale tutto filetto e dadi per la chiusura.

Clamp in S235JR steel, electrolycal galvanized, hexagonal-head all threaded screw and nut for close clamp
Fluid temperature from -30°C to +100 °C



Collare pesante/ Heavy clamp

Zinc.Elettrolitica Electrolytic Galv.	Ø	Ø DN Ø ND	A	B	C	D	M	dado	S	Confezione Packing
	"	mm	mm	mm	n°					
LC2D-15	1/2"	15	76,5	51,5	25	21,5	6	M 10	3	50
LC2D-20	3/4"	20	82	57	25	27	6	M 10	3	50
LC2D-25	1"	25	88,5	63,5	25	33,5	6	M 10	3	50
LC2D-32	1" 1/4	32	97,5	72,5	25	42,5	6	M 10	3	25
LC2D-40	1" 1/2	40	103,5	78,5	25	48,5	6	M 10	3	25
LC2D-50	2"	50	115,5	90,5	25	60,5	6	M 10	3	25
LC2D-65	2" 1/2	65	131	106	25	76	6	M 10	3	10
LC2D-80	3"	80	144	119	25	89	6	M 10	3	10
LC2D-100	4"	100	194,5	164,5	40	114,5	8	M 10	4	10
LC2D-125	5"	125	219,5	189,5	40	139,5	8	M 10	4	10
LC2D-150	6"	150	248,5	218,5	40	168,3	8	M 10	4	1
LC2D-200	8"	200	299	269	40	219,1	8	M 10	4	1
LC2D-250	10"	250	370	340	40	273	8	M 16	4	1
LC2D-300	12"	300	450	400	60	323,9	12	M 16	8	1
LC2D-350	14"	350	480	430	60	355,6	12	M 16	8	1
LC2D-400	16"	400	530	480	60	406,4	12	M 16	8	1
LC2D-500	20"	500	635	585	60	508	12	M 16	8	1

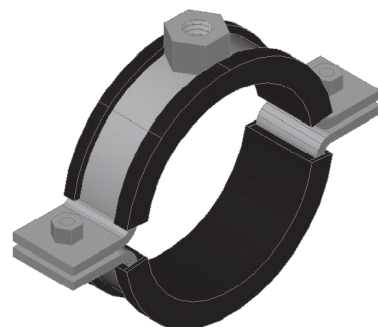
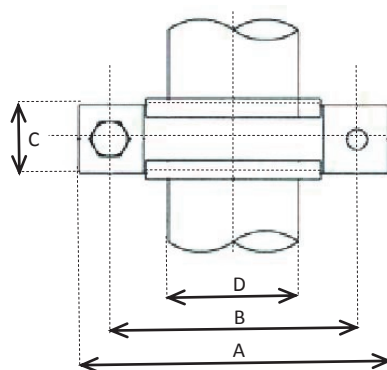
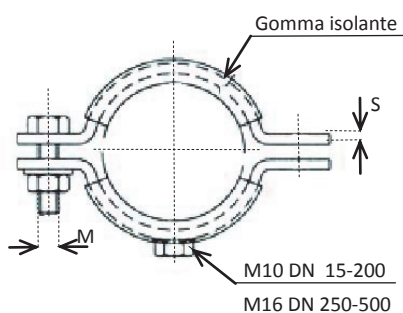
Collari Pesante con gomma Heavy clamps with rubber

Collare in acciaio S235JR zincato elettrolitico, completo di dadi per la chiusura
Isolamento acustico in neoprene antischiacciamento.
Temperatura del fluido da -30°C a +100 °C

Su specifica richiesta è possibile averli zincati a caldo

Clamp in S235JR steel, electrycal galvanized, with hexagonal head all threaded screw and nut for clamp.
Acoustic isolation in neoprene, no crush
Fluid temperature from -30°C to +100 °C

On request also available H.D.G.



Collare con gomma pesante/ Heavy clamp with rubber

Zinc.Elettrolitica Electrolytic Galv.	Ø	Ø DN Ø ND	A	B	C	D	M	dado	S	Confezione Packing
"	mm	mm	mm	mm	n°					
LC2DG-15	1/2"	15	82,5	57,5	25	21,5	6	M 10	3	50
LC2DG-20	3/4"	20	88	63	25	27	6	M 10	3	50
LC2DG-25	1"	25	94,5	69,5	25	33,5	6	M 10	3	50
LC2DG-32	1 1/4"	32	103,5	78,5	25	42,5	6	M 10	3	25
LC2DG-40	1 1/2"	40	109,5	84,5	25	48,5	6	M 10	3	25
LC2DG-50	2"	50	121,5	96,5	25	60,5	6	M 10	3	25
LC2DG-65	2 1/2"	65	137	112	25	76	6	M 10	3	10
LC2DG-80	3"	80	150	125	25	89	6	M 10	3	10
LC2DG-100	4"	100	203,5	173,5	40	114,5	8	M 10	4	10
LC2DG-125	5"	125	228,5	198,5	40	139,5	8	M 10	4	10
LC2DG-150	6"	150	257,5	227,5	40	168,3	8	M 10	4	1
LC2DG-200	8"	200	308	278	40	219,1	8	M 10	4	1
LC2DG-250	10"	250	370	340	40	273	8	M 16	4	1
LC2DG-300	12"	300	450	400	60	323,9	12	M 16	8	1
LC2DG-350	14"	350	480	430	60	355,6	12	M 16	8	1
LC2DG-400	16"	400	530	480	60	406,4	12	M 16	8	1
LC2DG-500	20"	500	635	585	60	508	12	M 16	8	1

Collari con gomma inox AISI 316 Rubber stainless steel A4 clamps

Collare in acciaio inox 316, completo di viti con testa esagonale con croce sulla testa inox M6 e rondelle in plastica.

Isolamento acustico DIN 4109 realizzato in EPDM, riduzione del rumore 18 DB (A).

Temperatura del fluido da -40°C a +110 °C

Carico max 2 kN, Carico di rottura 6 kN

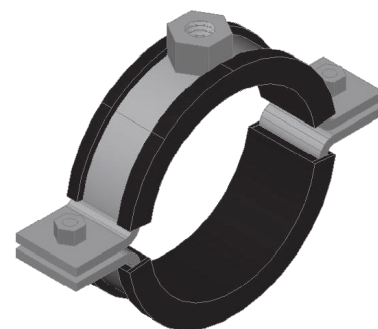
Stainless steel A4 clamp with stainless steel hexagonal head M6, with cross on the head, and plastic washer.

Acoustic isolation DIN 4109 in EPDM, noise reduction to 18 DB (A).

Fluid temperature from -40°C to +110 °C

Max load 2 kN, Braking load 6 kN

Collare con gomma / Clamp with rubber					
Aisi 316	Ø DN	Ø est. tubo	Ø Attacco filettato	Sez. del collare	Confezione
A4	Ø ND	Ø est. pipe	Ø Threaded nut	Clamp section	Packing
	"	mm		mm	n°
L137018	3/8"	15-18	M 8	20x2,0	50
L137022	1/2"	20-24	M 8	20x2,0	50
L137028	3/4"	26-30	M 8	20x2,0	50
L137035	1"	32-36	M 8	20x2,0	50
L137040	1" 1/4	38-42	M 8	20x2,0	25
L137048	1" 1/2	47-50	M 8	20x2,0	25
L137060	2"	60-64	M 8	20x2,0	25
L137075	2" 1/2	75-80	M 8	20x2,0	25
L137090	3"	87-92	M 8	20x2,0	25
L137100	3" 1/2	100-103	M 10	20x2,0	25
L137115	4"	114-119	M 10	20x2,0	25
L137140	5"	133-140	M 10	20x2,0	25
L137160	6"	159-165	M 10	20x2,0	25
L137220	8"	215-225	M 10	20x2,0	25



Tassello doppio filetto per collare Double threaded fastening for pipe clamp

Il vitone è fornito completo di tassello in nylon e dado, (non assemblato)

The big screw is supplied with nylon anchor and nut (not assembled)

Tassello doppio filetto per collare / Double threaded fastening for pipe clamp					
Zinc.Elettrolitica	Vite	Filetto	Fil. Legno	Peso	Confezione
Electrolytic Galv.	Screw	Thread	Wood thread	Weight	Packing
	"	mm	mm	mm	mm
LP120-V8+T	M 8x90	30	60	0,24	50
LP120-V10+T	M 10x120	30	90	0,24	25

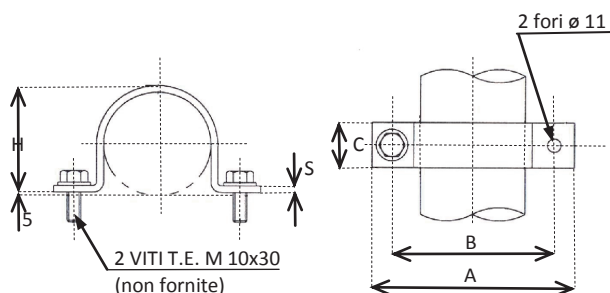
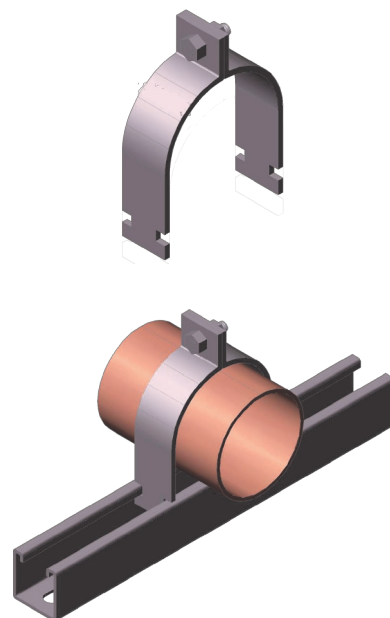


Collari per profili Clamps for channel

Collari per fissaggio rapido di tubi ai profili serie K
Su richiesta in acciaio zincato a caldo

Clamps to enable a fast connection with the type
K channels
Also available H.D.G.

Collare per profili / Clamp for channel					
Zinc.Elettrolitica Electrolytic Galv.	Ø DN Ø ND	Ø est. tubo Ø est. pipe	Ø Vite di chiusura Ø Set screw on the top	Peso Weight	Confezione Packing
	"	mm		Kg/100	n°
LP101/06	3/8"	14-16	M 6x25	6,1	100
LP101/07	1/2"	20-22	M 6x25	6,49	100
LP101/09	3/4"	26-30	M 6x25	7,2	100
LP101/10	1"	31-35	M 6x25	8,8	100
LP101/12	1" 1/4	40-45	M 8x25	10,4	100
LP101/13	1" 1/2	45-50	M 8x25	15,5	100
LP101/16	2"	60-65	M 8x25	16,6	50
LP101/19	2" 1/2	75-80	M 8x25	18,3	50
LP101/21	3"	85-90	M 8x25	20,5	50
LP101/24	3" 1/2	100-105	M 8x25	28,9	50
LP101/26	4"	110-120	M 8x25	34,1	50
LP101/29	5"	140-150	M 8x25	39,6	50
LP101/31	6"	160-170	M 8x25	45,3	50



Collari a staffa Saddle clamps

Collare a staffa / Saddle clamp							
Zinc.Elettrolitica Electrolytic Galv.	Ø DN Ø ND	Tubo Pipe	A	B	C	H	S
	"	mm	mm	mm	mm	mm	mm
LP103/1A	1/2"	15	86,5	61,5	30	19,5	3,0
LP103/2A	3/4"	20	92,0	67,0	30	25,0	3,0
LP103/3	1"	25	98,5	73,5	30	31,5	3,0
LP103/4A	1" 1/4	32	107,5	82,5	30	40,5	3,0
LP103/5A	1" 1/2	40	113,5	88,5	30	46,5	3,0
LP103/6A	2"	50	125,5	100,5	30	58,5	3,0
LP103/7A	2" 1/2	65	141,0	116,0	30	74,0	3,0
LP103/8-A	3"	80	154,0	129,0	30	87,0	3,0
LP103/9	4"	100	194,5	164,5	40	113,5	4,0
LP103/10A	5"	125	219,5	189,5	40	138,5	4,0
LP103/11A	6"	150	248,5	218,5	40	167,5	4,0
LP103/13A	8"	200	299,0	269,0	40	218,0	4,0

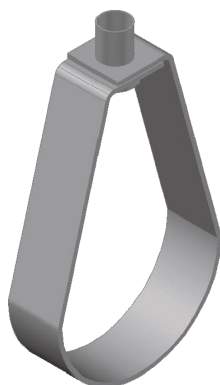
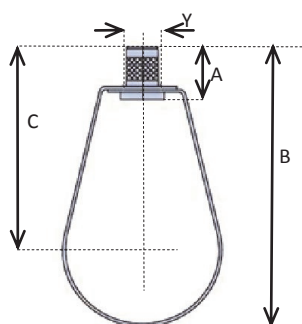


Collari a pera Strap hangers

Collare per la sospensione d'impianti Sprinkler antincendio in acciaio S235JR zincato UNI EN10142 - μm 19-21
Fornito zincato e completo di dado
Su specifica richiesta dal SPH025 al SPH100 è possibile avere il dado M 8

Hangers suitable to bear fire-fighting Sprinkler systems in steel S235JR sendzimir galvanized UNI EN10142 μm 19-21
It is supplied galvanized and equipped with the nut.
From SPH025 to SPH 100 on request also available M 8 nut.

Collare a pera / Strap Hangers							
Zinc.Elettrolitica Electrolytic Galv.	Ø DN Ø ND	Tubo Pipe	A	B	C	dado nut	Foro y Y
"	"	mm	mm	mm	n°		
LSH025N+DADO	1"	25	22,0	75	57,5	10 (8)	11
LSH032N+DADO	1" ¹ / ₄	32	22,0	86	64,0	10 (8)	11
LSH040N+DADO	1" ¹ / ₂	40	22,0	99	74,0	10 (8)	11
LSH050N+DADO	2"	50	22,0	116	85,0	10 (8)	11
LSH065N+DADO	2" ¹ / ₂	65	22,0	135	96,5	10 (8)	11
LSH080N+DADO	3"	80	22,0	159	114,0	10 (8)	11
LSH100N+DADO	4"	100	22,0	219	161,0	10 (8)	11
LSH125N+DADO	5"	125	26,5	247	177,0	12	13
LSH150N+DADO	6"	150	26,5	284	199,5	12	13
LSH200N+DADO	8"	200	24,0	373	261,0	16	18



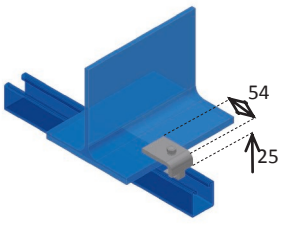


Diagram showing the dimensions of the B251 clamp: a vertical dimension of 54 mm and a horizontal dimension of 25 mm.

B251

Peso Weight	Materiali esclusi vite TE M12x40 e dado VM4
11,60 Kg/100	Not included TE M 12x40 screw and VM4 nut
LB251-E	
LB251	Spessore 10 mm Thickness 10mm

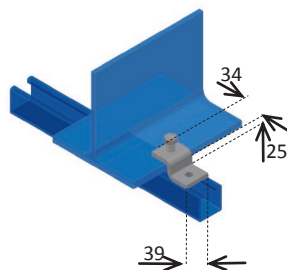


Diagram showing the dimensions of the B253 clamp: a vertical dimension of 34 mm, a horizontal dimension of 25 mm, and a base width of 39 mm.

B253

Peso Weight	Materiali esclusi vite a punta conica M 10x40
16,00 Kg/100	Not included M 10x40 screw with conical tip
LB253-E	
LB253	Spessore 10 mm Thickness 10mm

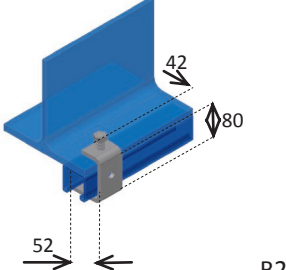


Diagram showing the dimensions of the B254 clamp: a vertical dimension of 42 mm, a horizontal dimension of 80 mm, and a base width of 52 mm.

B254

Peso Weight	Materiali esclusi vite a punta conica M 10x40
40,00 Kg/100	Not included M 10x40 screw with conical tip
LB254-E	
LB254	Spessore 10 mm Thickness 10mm

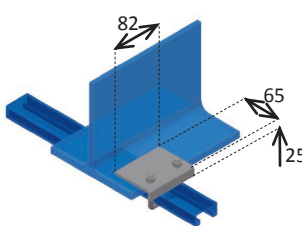


Diagram showing the dimensions of the B252/21 clamp: a vertical dimension of 82 mm, a horizontal dimension of 65 mm, and a base width of 25 mm.

B252/21

Peso Weight	Carico consentito Recommended load
39,35 Kg/100	4,41 kN 450 Kgf
LB252/21-E	Profilo K2 Channel
LB252/21	Spessore 4 mm Thickness 4mm

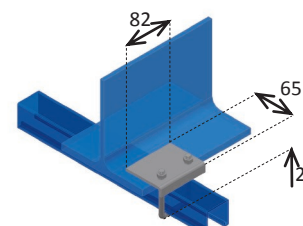


Diagram showing the dimensions of the B252/41 clamp: a vertical dimension of 82 mm, a horizontal dimension of 65 mm, and a base width of 25 mm.

B252/41

Peso Weight	Carico consentito Recommended load
40,35 Kg/100	4,41 kN 450 Kgf
LB252/41-E	Profilo K1 Channel
LB252/41	Spessore 4 mm Thickness 4mm

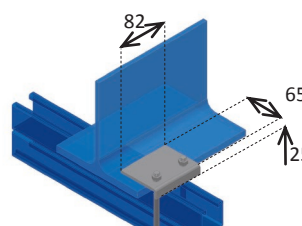


Diagram showing the dimensions of the B252/82 clamp: a vertical dimension of 82 mm, a horizontal dimension of 65 mm, and a base width of 25 mm.

B252/82

Peso Weight	Carico consentito Recommended load
42,75 Kg/100	4,41 kN 450 Kgf
LB252/82-E	Profilo K1D Channel
LB252/82	Spessore 4 mm Thickness 4mm

Completo di cavallotto M8 con dadi
Equipped with M8 Ubolt with nuts

Completo di cavallotto M8 con dadi
Equipped with M8 Ubolt with nuts

Completo di cavallotto M8 con dadi
Equipped with M8 Ubolt with nuts

Acciaio S235JR EN 10025
zincato elettrolitico ISO2081 - μm 12
zincato a caldo ISO1461 - $\geq \mu\text{m}$ 55

Steel S235JR EN 10025
Electrolytic galvanized ISO2081 - μm 12
Hot dip galvanized ISO1461 - $\geq \mu\text{m}$ 55

Morsetti LFL

Clamps LFL

Morsetto per la sospensione d'impianti alle ali di travi in acciaio tipo IPE, HEA o IPN
Viene fornito completo di bullone di serraggio e controdado
I carichi espressi hanno coefficiente di sicurezza = 4 allo snervamento

Materiale

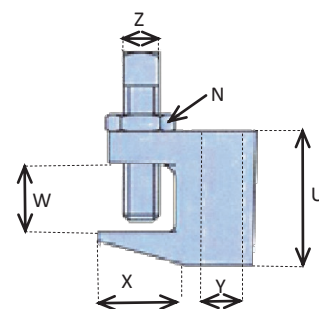
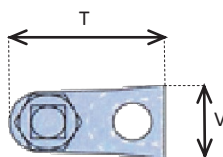
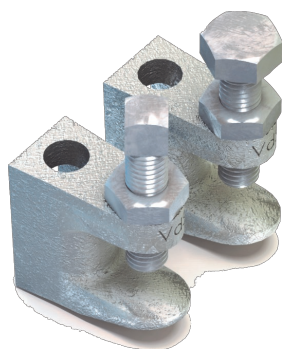
Morsetto ghisa malleabile zincata elettrolitica
Bullone vite e dado in acciaio 8.8 zincato elettrolitico

Clamp suitable for the suspension of systems to the flanges of steel beams

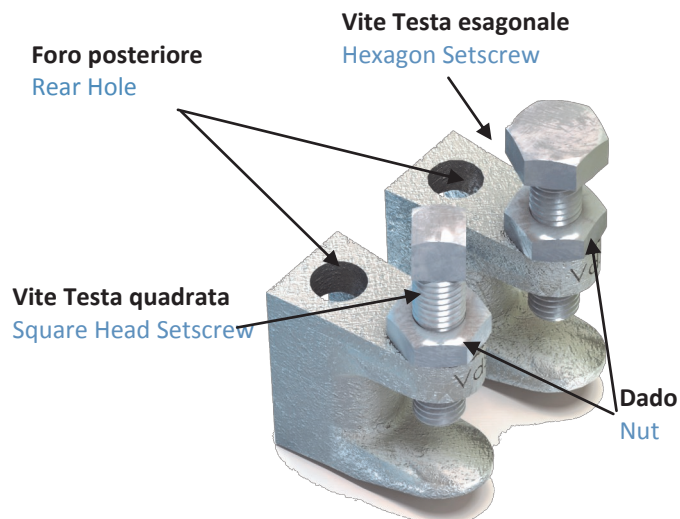
It is supplied equipped with clamping bolt and locknut.
Loads shown have a factor of safety of 4 at yielding point

Materials

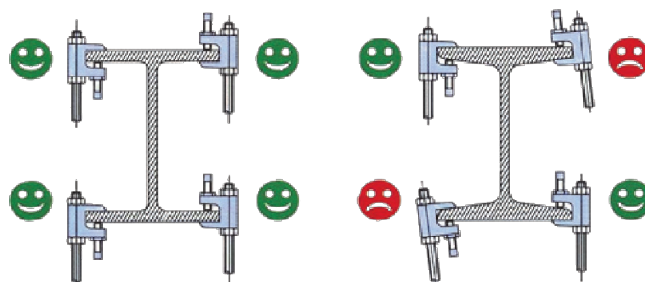
Clamp malleable iron zinc Plated
Bolt screw class 8.8 steel, locknut class 8 steel zinc plated



Morsetto FL Clamp												
Zinc.Elettrolitica	Liscio o Filettato	Barra filettata	Coppia di serraggio		Dimensioni							
Electrolytic Galv.	Smooth or threaded	Studding	Clamping torque Nm		Dimentions							
	"	mm	Vite / Screw	Dado / Nut	T	U	V	W	X	Y	Z	Resistenza a trazione Resistance kN
LFL16D	liscio	M6	8	11	36	35	19	17	20	7	8	1,10
LFL16T	filettato	M6	8	11	36	35	19	17	20	7	8	1,10
LFL18D	liscio	M8	8	11	36	35	19	17	20	9	8	1,10
LFL18T	filettato	M8	8	11	36	35	19	17	20	9	8	1,10
LFL210D	liscio	M10	8	22	43	40	22	19	22	11	10	2,40
LFL210T	filettato	M10	8	22	43	40	22	19	22	11	10	2,40
LFL312D	liscio	M12	8	22	50	44	25	23	28	13	10	3,10
LFL312T	filettato	M12	8	22	50	44	25	23	28	13	10	3,10
LFL412D	liscio	M12	8	22	53	51	26	28	27	13	10	3,10



Installazione - Installation



Tasselli in ottone

Brass dowels

Applicazioni critiche : sospensione con barre filettate di controsoffitti, canalizzazioni elettriche, idrauliche e di ventilazione.

Camicia : espansione interamente zigrinata per un'aderenza ottimale.

Scanalatura : fatta sul corpo per facilitare l'espansione e ridurre lo sforzo d'avvitamento.

Estremità : conica per facilitare l'inserimento nel foro.

Materiali idonei al fissaggio : calcestruzzo, pietra e mattone pieno

Critical fixing applications : suspension with threaded bars for false ceiling , electric pipes, hydraulic pipes, and ventilation pipes.

Sleeve : complete knurled expansion for an optimal adherence.

Groove : done on the body to facilitate the expansion and to reduce the screwing effort.

End : conic to facilitate the insertion into the hole.

Substrates materials : concrete, stone and solid brick



Tassello TO Dowel							
Zinc.Elettrolitica	Ø Ancorante	Ø Foratura	Profondità foratura	Lungh. Ancorante	Spess max del pezzo	Peso a conf.	Confezione
Electrolytic Galv.	Ø Drill	Ø Hole	Min. hole dept	Length drill	Piece thickness	Packing weight	Packing
	mm	mm	mm	mm	mm	Kg	N°
LNT0625	6	8	30	24	0	0,90	300
LNT0830	8	10	38	31	0	1,20	200
LNT01035	10	12	39	34	0	2,70	100
LNT01240	12	15	46	41	0	2,40	50

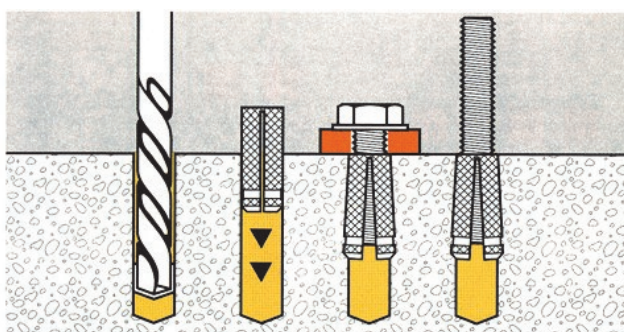
Calcestruzzo	Pietra	Mattone pieno
Concrete	Stone	Solid Brick



Carichi raccomandati in CLS C20/25 compresso
Recommended load in compressed concrete C20/25

40 Kg	60 Kg
M 6	M 8

Installazione - Installation



Tasselli meccanici TS

TS Dowels

Applicazioni critiche :

T93: barre filettate per sospensioni e fissaggi a sbalzo per facciate

T91: fissaggio di carpenterie leggere su calcestruzzo e muratura, fissaggio di scafature, cancelli, antenne paraboliche, corpi illuminanti

Camicia : espansione di alto spessore per prestazioni elevate nel calcestruzzo ed alta affidabilità nei forati.

Espansore : a 4 segmenti con profilo antirotazione

Vite : TE cl 8.8 zincatura galvanica 5 micron

Materiali idonei al fissaggio : Calcestruzzo compresso, pietra e mattone pieno, mattone pieno intonacato e blocchetto forato.

Prodotti CE solo a richiesta

Critical fixing application:

T 93: threaded bars for suspension and embossed fixing facades

T 91: Soft carpentry fixing on concrete and brickwork, stirrup fixing, gates, satellite dish and luminaries

Sleeve : high thickness expansion for high performance in concrete and high reliability on perforated brickwork

Expander : 4 segments with anti rotation profile

T-bolt : screws in cl 8.8 , zinc coated 5 micron

Substrates materials : compressed concrete, stone, solid brick, plastered brick and Cement block.

CE products on request



Tassello TS Dowel							
Zinc.Elettrolitica	Ø Ancorante	Ø Foratura	Profondità foratura	Lungh. Ancorante	Spess max del pezzo	Peso a conf.	Confezione
Electrolytic Galv.	Ø Drill	Ø Hole	Min. hole dept	Length drill	Piece thickness	Packing weight	Packing
	mm	mm	mm	mm	mm	Kg	N°
T9304-S	6	10	55	45	0	0,90	100
T9303-S	8	12	60	50	0	1,50	100
T9301-S	10	15	75	60	0	1,45	50
T9302-S	12	18	90	74	0	1,05	25
Con Vite Testa esagonale e rondella					With Hexagon Headed screw		
T9108-S	6	10	55	45	5	1,20	50
T9100-S	8	12	60	50	10	2,23	50
T9101-S	10	15	75	60	20	2,27	25
T9102-S	12	18	90	74	25	2,95	20

Calcestruzzo compresso	Pietra	Mattone pieno	Mattone pieno intonacato	Blocchetto forato
Compressed concrete	Stone	Brick	Plastered brick	Cement block

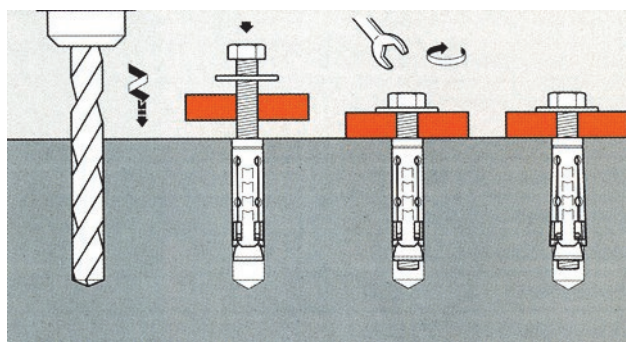


Carichi raccomandati in CLS C20/25 compresso

Recommended load in compressed concrete C20/25

Installazione - Installation

250 Kg	400 Kg	600 Kg	750 Kg
M 6	M 8	M 10	M 12



Applicazioni critiche: Sospensioni con barre filettate per controsoffitti, canalizzazioni elettriche, idrauliche e di ventilazione. Fissaggi di parti removibili, fissaggi con viti speciali con carattere estetico.

Materiale: Acciaio al carbonio, con zincatura galvanica 5 micron
Ancorante: Ridotta profondità d'ancoraggio per salvaguardare i ferri d'armatura

Materiali idonei al fissaggio: Calcestruzzo compresso e pietra

Marchio qualità: Conforme al Benestare Tecnico Europeo Opzione 7 massimo livello d'opzione per zone compresse di calcestruzzo e prova di resistenza al fuoco

Critical fixing application: suspension with threaded bars for : false ceiling , electric pipes, hydraulic pipes, and ventilation pipes. Fixing removable parts , fixing with special screws with aesthetic character

Material: carbon steel , zinc coated 5 micron
Metal anchor: limited anchoring depth by no touch concrete steel arm

Substrates materials: concrete, stone

Approvals Quality: conforming to the European Technical Approval option 7 maximum level of option for stressed concrete areas and fire resistance test.



Tassello TP Dowel								
Zinc.Elettrolitica	Ø Filettatura	Ø Lunghezza filettatura	Ø Ancorante	Ø Foratura	Lungh. Ancorante	Spess max fissabile	Peso a conf.	Confezione
Electrolytic Galv.	Ø Thread	Ø Thread lenght	Ø Drill	Ø Hole	Length drill	Fixable thickness	Packing weight	Packing
	mm	mm	mm	mm	mm	mm	Kg	N°
T9504-S	M6	13	8	8	32	30	0,85	100
T9503-S	M8	13	10	10	32	30	1,30	100
T9501-S	M10	15	12	12	42	40	2,36	100
T9502-S	M12	18	15	15	53	50	2,35	50
T9505-S	M16	23	20	20	70	65	2,22	20

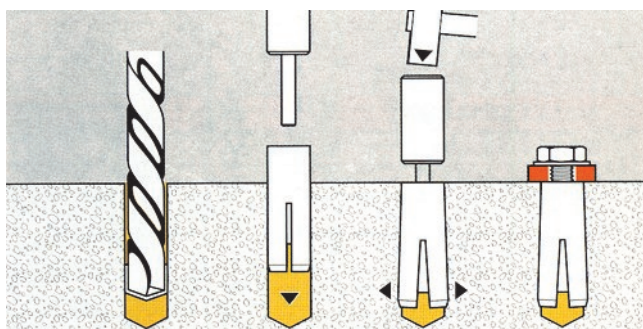
Calcestruzzo compresso	Pietra
Compressed concrete	Stone



Carichi raccomandati in CLS C20/25 compresso
Recommended load in compressed concrete C20/25

340 Kg	370 Kg	580 Kg	1040 Kg	1180 Kg
M6	M8	M10	M12	M16

Installazione - Installation



Tasselli meccanici TCM2

TCM2 Dowels

Applicazioni critiche : Carpenterie metalliche, staffaggi, guide di ascensori, supporti per canalizzazioni elettriche ed impianti, scafature industriali

Materiale: Acciaio stampato a freddo, cl. 6.8, con zincatura galvanica 5 micron e rondella larga

Ancorante: ad espansione per avvitamento per fissaggio in zone compresse del calcestruzzo

Camicia: con tre alette e bugne per una espansione ottimale sul calcestruzzo

Materiali idonei al fissaggio: Calcestruzzo compresso e pietra

Marchio qualità: conforme al Benestare Tecnico Europeo Opzione 7:

Massimo livello d'opzione per zone compresse di calcestruzzo e prova di resistenza al fuoco

Critical fixing applications : metallic carpentry , stirrup, lift guide rails , support for electric pipes and system , industrial shelves , storage system.

Material : cold printed steel cl 6.8 Zinc coated 5 micron and washer

Metal anchor : self expanding screwing to fix in stressed concrete areas.

Sleeve : sleeve with 3 legs to distribute the expansion stress on the whole cone

Substrates materials : compressed concrete, stone

Approvals Quality : conforming to the European Technical Approval option 7.

maximum level of option for stressed concrete areas and fire resistance test.



Benestare Tecnico Europeo
Opzione 7 per calcestruzzo non fessurato

Tassello TCM2 Dowel

Zinc.Elettrolitica Electrolytic Galv.	Ø Ancorante Ø Drill	Ø Foratura Ø Hole	Profondità foratura Min. hole dept	Lungh. Ancorante Length drill	Spess max fissabile Fixable thickness	Peso a conf. Packing weight	Confezione Packing
	mm	mm	mm	mm	mm	Kg	N°
TCM2-08-5/55	8	8	52	55	5	2,63	100
TCM2-08-70/20	8	8	52	70	20	3,00	100
TCM2-08-40/90	8	8	52	90	40	3,00	100
TCM2-10-5/65	10	10	62	65	5		100
TCM2-10-15/75	10	10	62	75	15	5,45	100
TCM2-10-35/95	10	10	62	95	35	3,70	100
TCM2-1225/100	12	12	75	100	25	2,00	50
TCM2-1265/140	12	12	75	140	65	6,39	50
TCM2-165/100	16	16	95	100	5	1,05	25
TCM2-1630/125	16	16	95	125	30	1,25	25
TCM2-1675/170	16	16	95	170	75		10
TCM2-2010/120	20	20	110	120	10		10
TCM2-20-50/16	20	20	110	160	50		10

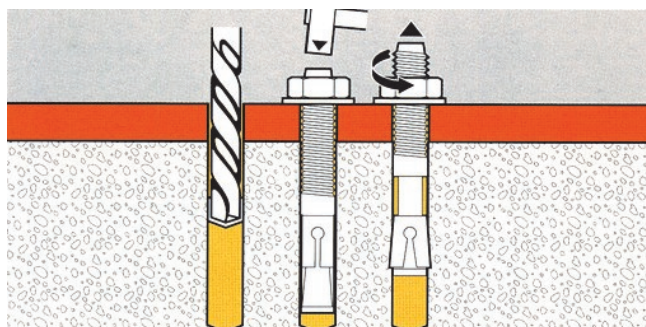
Calcestruzzo compresso	Pietra
Compressed concrete	Stone



Carichi raccomandati in CLS C20/25 compresso
Recommended load in compressed concrete C20/25

270 Kg	610 Kg	850 Kg	1260 Kg	1720 Kg	2400 Kg
M 6	M 8	M 10	M 12	M 16	M 20

Installazione - Installation



Ancorante chimico Bonded anchors

Ancorante chimico GLR410 GREEN

Cartuccia di resina da 410 ml

Ancorante chimico di alta qualità a base di resina poliestere per fissaggi sicuri ad elevate prestazioni ed impermeabili all'acqua. Può essere utilizzato anche in ambienti chiusi perché non contiene stirene ed è privo di additivi o solventi dannosi per l'ambiente e l'utilizzatore.

Non ha effetti espansivi consentendo il fissaggio in vicinanza ai bordi.

Non cambia la colorazione del supporto.

E' adatto anche per riparazioni o come adesivo per componenti in calcestruzzo

Tempo di scadenza : 18 mesi dalla data di produzione.

Applicazioni : Indicato per ancoraggi di carichi medi e pesanti su supporti compatti e forati
Su supporti forati utilizzabile con bussole a rete in polipropilene e metalliche.

Fornitura :
CMA410 =1 cartuccia + 1 miscelatore

Marchio qualità: conforme al Benestare Tecnico Europeo Opzione 7: Massimo livello d'opzione per zone compresse di calcestruzzo e prova di resistenza al fuoco

GLR410 GREEN bonded anchor

Resin cartridge from 410 ml

High quality bonded anchor based on polyester resin, suited for a safety fixing with high performances and water impermeable joint.

It can be used in closed spaces because it is styrene free and it is without additives or solvents dangerous for environment and user.

No expansion effect, allowing fixing close to the edges

It does not modify the external appearance of the support.

It is also suitable as a repair resin or adhesive resin for concrete components

Storage life : 18 month from production date

Applications : It is indicated for fixing medium and heavy loads on solid and hollow supports:
application on wood and metal carpentry, for fixing of façades, railings, grills, sanitary fittings, pipe connections, and for fixing of hinges within wood and aluminium doors and frames

Fornitura :
CMA410 =1 cartridge + 1 static mixer

Approvals Quality : conforming to the European Technical Approval option 7.
maximum level of option for stressed concrete areas and fire resistance test



Benestare Tecnico Europeo
Opzione 7 per calcestruzzo
non fessurato

Temperatura	Temperature
Resistente fino a +80 °C ; per brevi periodi fino a +120 °C	Resistant up to +80°C; for short periods up to +120°C
Applicazione ideale + 20°C	Ideal application + 20°C
Stoccaggio fra +5°C e +25°C	Storage temperature from

Tempi di posa Installation time and temperature		
Temperatura supporto Temperature of base material	Tempo di lavorabilità Setting time	Applicazioni del carico Use time
-5 ÷ 0 °C		
0 ÷ 5 °C		
5 ÷ 10 °C	25 min	120 min
10 ÷ 20 °C	15 min	80 min
20 ÷ 30 °C	6 min	45 min
30 ÷ 35 °C	4 min	25 min
>35 °C	2 min	20 min

Calcestruzzo Concrete	CLS cellulare Light concrete	Pietra Stone	Mattone Pieno Solid brick	Mattone forato Hollow brick	Mattone semipieno semi-solid brick
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I valori sono riferiti ad ancoranti installati rispettando le distanze indicate in tabella. E' possibile l'impiego dell'ancorante chimico MA410 GREEN PLUS anche quando non siano rispettate queste distanze (distanza ridotta dal bordo e interasse ridotto fra gli ancoranti); ovviamente si avranno riduzioni dei valori di carico in ragione delle variazioni dei parametri d'installazione. Per il calcolo di ancoraggi certificati fare riferimento all'Annex C dell'ETAG 001 o al Report Tecnico 029 (emesso dall' EOTA)

The values indicated refer to anchors installed at distances compatible with the indications of the table.

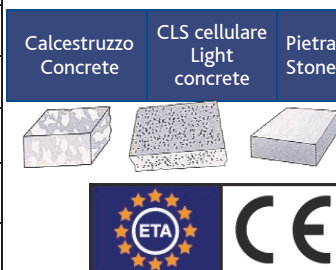
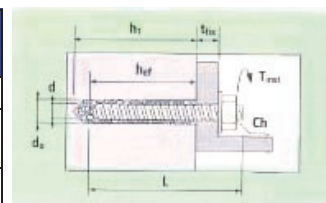
MA410 GREEN PLUS can be used even if the table distances are not respected (reduced distance from the edge and reduced anchors spacing); the load values will be reduced accordingly.

For the detailed calculation of certified fixing use the method outlined in Annex C dell'ETAG 001 or Technical Report 029 (both issued by EOTA)

Applicazioni Applications

Ancorante chimico Bonded anchors

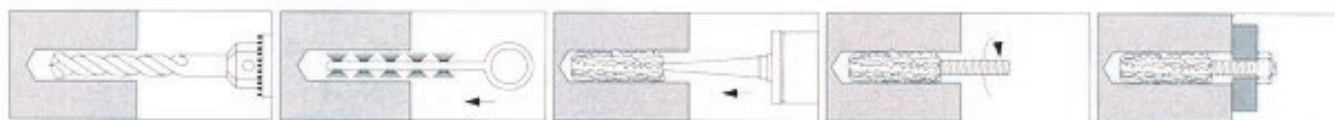
Caratteristiche Geometriche di posa su calcestruzzo Geometrical installation data on concrete		M8	M10	M12	M16	M20	M24
Diametro foro Drill hole diameter	D_o mm	10	12	14	18	24	28
Profondità foro Depth of drill hole	h_{ef} mm	80	90	110	125	170	210
Distanza critica dal bordo Edge distance	$C_{cr,N}$ mm	80	90	110	125	170	210
Distanza minima dal bordo Minimum edge distance	C_{min} mm	40	50	60	80	100	120
Interasse critico Characteristic spacing	$S_{cr,N}$ mm	160	180	220	250	340	420
Interasse minimo Minimum spacing	S_{min} mm	40	50	60	80	100	120
Spessore minimo supporto Min. thickness of support el.	h_{min} mm	110	120	140	160	215	260
Coppia di serraggio Tightening torque	T_{inst} Nm	10	20	40	60	120	150



Benestare Tecnico Europeo
Opzione 7 per calcestruzzo
non fessurato



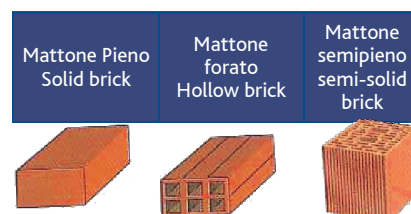
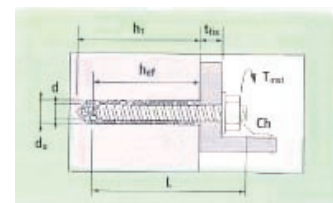
Valori di resistenza a trazione ed a taglio su calcestruzzo $C \geq 20/25$ Values for tension loads and share on concrete $C \geq 20/25$		M8	M10	M12	M16	M20	M24
(1 kN = 100 Kg)							
Trazione Tension load	N_{Rk} (kN)	16	29	35	50	75	95
	N_{Rd} (kN)	8,9	16,1	19,4	27,8	41,7	52,8
Coeff. di sicurezza Safety factor acc. To ETAG	γ_{Mp}	1,8					
Taglio Share loads	Acciaio 5.8 V_{Rk} (kN)	9	15,8	22,9	43,2	67,5	88
	Steel 5.8 V_{Rd} (kN)	72	12,6	18,3	34,6	54,0	70,4
	γ_{Mp} (Nm)	1,25					
	V_{Rk} (kN)	13	20	30	55	86	124
	acciaio inox A4 V_{Rd} (kN)	8,3	12,8	19,2	35,3	55,1	79,5
Coeff. di sicurezza Safety factor acc. To ETAG	γ_{Ms}	1,56					



Applicazioni Applications

Ancorante chimico Bonded anchors

Caratteristiche geometriche di posa su muratura Geometrical installation data on masonry					
		M6	M8	M10	M12
Interasse fra gruppi di ancoranti Spacing plugs group	$s_{cr,N}$ mm	Bussola standard Standard sleeve matteone/brick = 100 blocchetti CLS/concrete brick = 200			
Interasse minimo fra gruppi di ancoranti Minimum spacing plugs group	s_{min} mm	matteone/brick = 50 blocchetti CLS/concrete brick = 200			
Interasse fra singoli ancoranti Spacing between single plugs	s_{sing} mm	250	250	250	250
Distanza critica dal bordo Edge distance	$c_{cr,N}$ mm	250	250	250	250
Distanza minima dal bordo Min. edge distance	c_{min} mm	250	250	250	250
Profondità effettiva di ancoraggio Anchorage depth	h_{ef} mm	50	85	85	85
Profondità di ancoraggio senza bussola Anchorage depth without sleeve	h_{ef} mm	60	80	90	110
Profondità foro Drilling depth	h_o mm	55	90	90	90
Profondità foro senza bussola Drilling depth without sleeve	h_o mm	65	85	95	115
Spessore minimo del supporto Minimum thickness of support element	h_{min} mm	110	110	110	25
Diametro foro Drill diameter	D_o mm	12	15	15	20
Coppia di serraggio Tightening torque	T_{inst} Nm	3	8	8	8

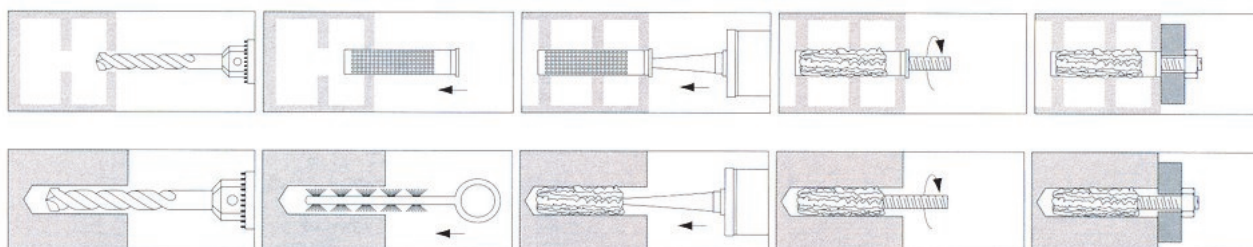


Benestare Tecnico Europeo
Opzione 7 per calcestruzzo
non fessurato



Valori di carico consigliati per muratura piena o forata (trazione, taglio o carico obliquo) Recommended loads for solid or hollow masonry (tension, shear or oblique load)					
Supporto Support		M6	M8	M10	M12
Mattone forato Hollow brick	F_{rec} (KN)	0,3 ÷ 0,7*	0,3 ÷ 0,8*	0,3 ÷ 0,8*	0,3 ÷ 0,8*
Mattone pieno Solid brick	F_{rec} (KN)	0,5	1,7	1,7	1,7
Bloc. forato in CLS leggero Light concrete hollow brick	F_{rec} (KN)	0,3 ÷ 0,5*	0,3 ÷ 0,6*	0,3 ÷ 0,6*	0,3 ÷ 0,6*
Blocchetto forato in CLS Concrete hollow brick	F_{rec} (KN)	0,5	0,6	0,6	0,6

* In base al n° di fori - [It depends on holes number](#)



Ancorante chimico

Bonded anchors

Consumi indicativi per applicazione prevedendo un riempimento del foro pari a 2/3 del suo volume
 Approximate resin consumption for each application considering to fill the hole for 2/3 of its volume

Barra filettata Threaded stud	D _o x h ₁	Quantità applicazioni su supporti forati Number of applications on solid supports				Barra filettata Threaded stud	Bussola in nylon BR Nylon net brush BR	Quantità applicazioni su supporti forati Number of applications on hollow supports			
		400 ml	300 ml	175 ml	150 ml			400 ml	300 ml	175 ml	150 ml
M 8	10x60	127	95	55	47	M 6	10x45	113	84	49	42
M 10	12x60	88	66	38	33		12x50	71	53	31	26
M 12	14x70	55	41	24	20		12x60	59	44	25	22
M 16	18x80	29	22	12	11		12x80	44	33	19	16
M 20	24x90	14	11	6	5	M 8	15x85	27	20	11	10
M 24	28x96	10	7	4	3		15x100	23	17	10	8
M 27	32x108	6	5	3	2		15x130	17	13	7	6
M30	35x120	5	3	2	2		15x85	27	20	11	10
						M 10	15x100	23	17	10	8
							15x130	17	13	7	6
						M 12	20x85	15	11	6	5

Pistola in nylon : per cartuccia chimica da ml. 400

Struttura in nylon rinforzato
 impugnatura centrale bilanciata
 grilletto con rilascio automatico
 ricarica veloce
 sistema antigoccia

sistema di regolazione con vite
 pressione : KN 5,0 (Kg 500)
 avanzamento pistone : mm3,5
 Peso : Kg 1

Nylon dispensing gun: for bonded anchors cartridge ml.400

Very strong nylon structure
 balanced central handgrip
 automatic brake release
 quick reloading
 save drop system

life prolonging function adjusting screw
 force: KN 5,0 (Kg 500)
 piston movement: mm. 3,5
 Weight: Kg 1



Miscelatore statico in plastica

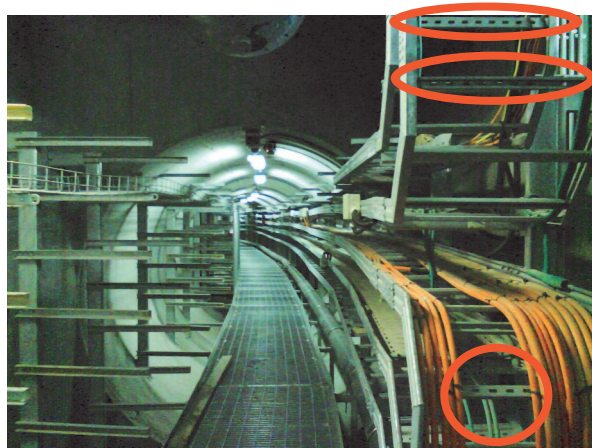
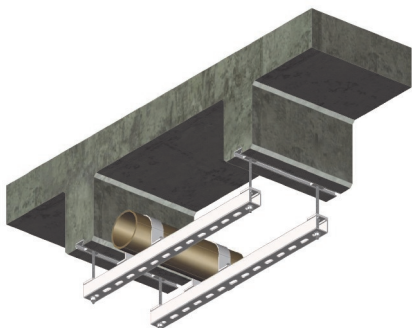
Static mixer nozzle



Calzetta in plastica per materiali forati

Nylon net brush for hollow supports







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