

IRON PRODUCTS



L'ESPERIENZA È IL NOSTRO PUNTO DI FORZA

Iron Products occupa una posizione di rilievo tra le aziende produttrici di distanziatori, staffe, casseforme per l'edilizia e puntelli.

La nostra esperienza ventennale nel settore e la costante ricerca di materie prime selezionate per ottenere un prodotto di qualità costituiscono il nostro punto fermo e ci hanno permesso di diventare uno dei principali produttori di prodotti e attrezzature da cantiere in Europa.

I nostri prodotti sono caratterizzati da un elevato grado di affidabilità, sicurezza e longevità che riusciamo a garantire grazie a un'attenta selezione di materie prime di alta qualità, ai rigorosi controlli effettuati lungo la linea di produzione e al nostro personale specializzato.



THE EXPERIENCE IS OUR STRENGTH

ISKUSTVO JE NAŠA SNAGA

Iron Products holds an important role among the producers of spacers, stirrups, formwork system and props in construction industry.

With twenty years of experience within this industry and the continuous search for the finest raw material for a superior-quality product, we have become one of the leading worldwide producers of construction products and equipment.

Our products are reliable, durable and of the finest quality thanks to our accurate selection of raw material, to the experience of our production team, and to the stringent controls in effect during the all-line production.

Iron Products predstavlja važnu ulogu u proizvodnji distancera (žileta), stafla (kravata), podupirača i sistema za šalovanje u građevinskoj industriji.

Tokom dvadeset godina iskustva u građevini i konstantnoj potrazi za najkvalitetnijim materijalima u proizvodnji visokog kvaliteta, postali smo jedni od vodećih svjetskih proizvođača građevinske opreme. Naš proizvod je pouzdan, izdržljiv i visoko kvalitetan, zahvaljujući odabiru najkvalitetnijih materijala, iskustvu našeg tima u proizvodnji i strogoj kontroli i djelovanju u kompletnoj liniji proizvodnje.



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SISTEMI PER MURI E PILASTRI

SYSTEMS FOR WALLS AND COLUMNS

SISTEMI ZA ZIDOVE I STUBOVE





Casseforme in legno

■ Descrizione

Tutta la gamma di elementi necessari per l'assemblaggio rapido di pilastri e sistemi di muratura. Disponibili sia accessori riutilizzabili, come i giri cravatta, sia materiale "a perdere", come i distanziatori, che restano nel getto.

■ Caratteristiche costruttive

Prodotti in acciaio S235JR e FE37B. Prodotti in legno di abete.

■ Finiture

Verniciatura per immersione di colore Rosso RAL 3009. Zincatura elettrolitica o a caldo.

■ Norme di riferimento

Zincatura a caldo: UNI EN 40.
Zincatura elettrolitica: UNI EN12329.
Pannelli: EN 13353.

Wood formwork

■ Description

All Iron Products products that are necessary to build columns and formworks for walls. Both available reusable accessories, like column stirrups, and disposable accessories, like spacers, that remain in the casting.

■ Construction features

Steel grade products S235JR and FE37B. Spruce products.

■ Finishes

Immersion painting in red colour RAL 3009. Electrolytic or hot-dip galvanization.

■ Reference standards

Hot dip galvanization: UNI EN 40.
Electrolytic galvanization: UNI EN12329.
Panels: EN 13353.

Drvena oplata

■ Opis

Svi Iron-ovi proizvodi, koji su potrebni u izgradnji stubova i drvenih oplata za zid. Svi dostupni uz višekratni pribor, kao što su štafle za stub i jednokratni, kao što je distancer, koji ostaje saliven, kao jedan vid armature.

■ Proizvodne karakteristike

Proizvodi od čelika S235JR i FE37B. Proizvodi od drveta (jelovina).

■ Fino obrađivanje

Farbanje potapanjem u crvenu boju RAL 3009. Elektrolitički ili toplo (duboko) cinčanje.

■ Predloženi standardi

Cinčanje UNI EN 40.
Elektrolitičko cinčanje UNI EN12329.
Paneli EN 13353.

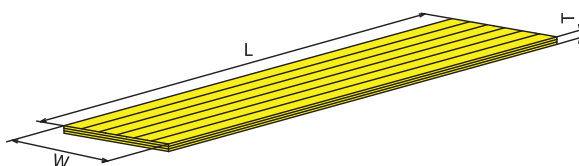
Pannello in legno a tre strati per armature

3-ply shuttering panel
Troslojni panel za šalovanje

- Legname accuratamente essiccato
Incollaggio melaminico resistente all'acqua
Stabilità nella forma
Dimensioni costanti e lunga durata
Spessore 27 mm, pacchi da 40 pezzi
Peso per m² 13 Kg
Conforme a norma EN 13353
Modulo di elasticità calcolato secondo gli standard EN 13353:
- Media = 12.393 N/mm²
- Quantità inferiore al 5% = 7.284 N/mm²

- Carefully dried timber
Melamine waterproof gluing
Dimensional stability
Size retention, and longevity
Thickness 27 mm, packages of 40 pcs
Weight per m² 13 Kg
Following the norm EN 13353
Elasticity module calculated according to EN 13353 standards:
- Average = 12.393 N/mm²
- Quantity below 5% = 7.284 N/mm²

- Pažljivo sušeno drvo
Sastavljeno anti-vodopropusnim ljepljom
Stabilne dimenzije
Dugovječan materijal
Debljina 27 mm, 40 komada u paketu
Težina po m² 13 kg
Prati normative EN 13353
Elastičan model izračunat po standard ima EN 13353:
- Prosjek = 12,393 N/mm²
- Količina ispod 5% = 7, 284 N/mm²



Dimensioni disponibili
Available dimensions
Dostupne dimenzije

Code	Dimensions /cm	Thickness /cm	m ² /pack (40 pcs)
P100-50P	100 x 50	2,7	20
P150-50P	150 x 50	2,7	30
P200-50P	200 x 50	2,7	40
P250-50P	250 x 50	2,7	50
P300-50P	300 x 50	2,7	60
P300-15P	300 x 15	2,7	18
P300-20P	300 x 20	2,7	24
P300-25P	300 x 25	2,7	30
P300-30P	300 x 30	2,7	36
P300-35P	300 x 35	2,7	42
P300-40P	300 x 40	2,7	48
P300-45P	300 x 45	2,7	54

Cassaforma in legno per muri

Wood formwork for walls

Drvena oplata za zid

■ Muri

Pezzi necessari per 1 m2 di muro:

- n° 6 distanziatori
- n° 12 staffe con gancio
- 2 m2 di pannello

Per la partenza inferiore è necessario il profilato per partenza

■ Walls

Necessary elements for a1 m2 of wall:

- n° 6 spacers
- n° 12 Stirrups with hook
- 2 m2 of 3-ply shuttering panels

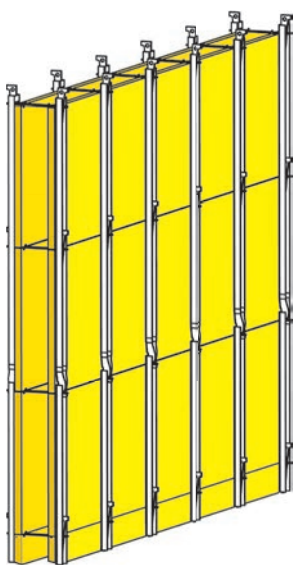
For inferior starting is necessary the U profile

■ Zid

Potrebni elementi za 1 m2 zida

- n° 6 distancera
- n° 12 štafli sa kukom
- 2 m2 troslojnog panela za šalovanje

Predloženi standardi



Elementi per montaggio rapido casseforme per muri

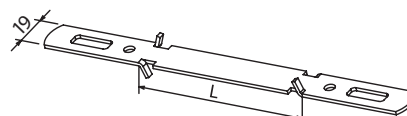
Elements for the rapid mounting of formwork for walls

Elementi za brzo montiranje drvene oplata za zid

Distanziatori

Spacers

Distanceri



Code	▲ L /cm	* Pack	Weight /Kg
DIST010	10	100	5,75
DIST012	12	100	6,25
DIST015	15	100	7,00
DIST020	20	100	8,25
DIST025	25	100	9,50
DIST030	30	100	10,75
DIST035	35	100	12,00
DIST040	40	100	13,25
DIST045	45	100	14,50
DIST050	50	100	15,75
DIST055	55	100	17,00
DIST060	60	100	18,25

▲ Altre lunghezze disponibili su richiesta.

* Imballaggio:

- STANDARD: dimensioni ≤60 cm in buste di plastica;
>60 cm rilegate con filo di ferro.
- OPTIONAL: dimensioni ≤50 cm in scatole di cartone.

▲ Other lengths available upon request.

* Packaging:

- STANDARD: dimensions ≤60 cm in plastic bags;
>60 cm bound with iron wire.
- OPTIONAL: dimensions ≤50 cm in cardboard boxes.

Code	▲ L /cm	* Pack	Weight /Kg
DIST065	65	100	19,50
DIST070	70	100	20,75
DIST075	75	50	11,00
DIST080	80	50	11,88
DIST085	85	50	12,25
DIST090	90	50	12,88
DIST095	95	50	13,50
DIST100	100	50	14,13
DIST105	105	50	14,75
DIST110	110	50	15,38
DIST115	115	50	16,00
DIST120	120	50	16,63

▲ Različite dimenzije dostupne na zahtjev.

* - STANDARD: dimenzije ≤60 cm u plastičnim vrećama

>60 cm vezano u buntove čeličnom žicom

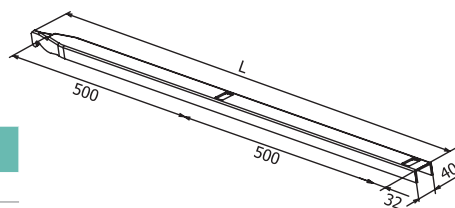
- DOSTUPNE OPCIJE: dimenzije ≤50 u kartonskim kutijama.

Staffa con gancio zincata

Galvanized stirrup with hook

Pocinčana štafla sa kukom

Code	Length /cm	pcs /Pack	Weight /Kg
ST050	50	100	0,81
ST100	100	100	1,52
ST150	150	100	2,30

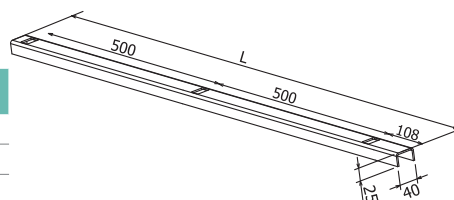


Profilato ad U di partenza zincato

Galvanized U profile for starting

Pocinčani početni U profil

Code	Length /cm	pcs /Pack	Weight /Kg
PR063	63	100	0,93
PR113	113	100	1,64
PR163	163	100	2,40

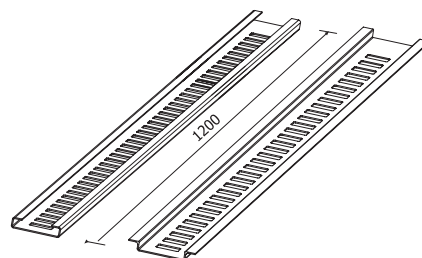


Profilato multiforo zincato

Galvanized U profile with multiple holes

Pocinčani U profil šipke sa višenamjenskim otvorima

Code	Length /cm	pcs /Pack	Weight /Kg
PR063	63	100	0,93
PR113	113	100	1,64
PR163	163	100	2,40

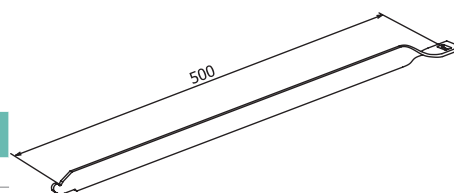


Staffa ad elica HG

Spiral stirrup

Uvrnuta štafla

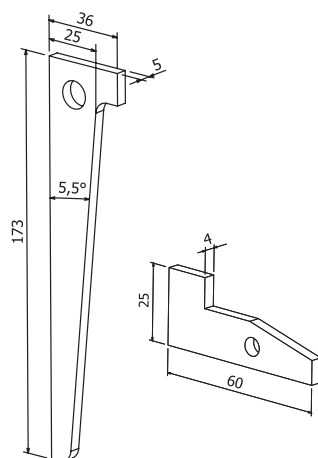
Code	Length /cm	pcs /Pack	Weight /Kg
STHG	50	1000	0,83



Cuneo nero grande e piccolo

Big and small wedge

Veliki i mali klin



Code	pcs /Pack	Weight /Kg
CUNEO1_N	100	11,00
CUNEO3_N	100	6,50

Casseforme in legno

Wood formwork

Drvena oplata

Assemblaggio rapido casseforme per pilastri

Rapid assembling of formwork for columns

Brzo montiranje oplatnih sistema i stubova

A Pilastri da 12 a 42 cm / da 15 a 45 cm

Columns from 12 to 42 cm / from 15 to 45 cm

Stezač za stub od 12 do 42 cm / od 15 do 45 cm

B Pilastri da 47 a 92 cm / da 50 a 95 cm

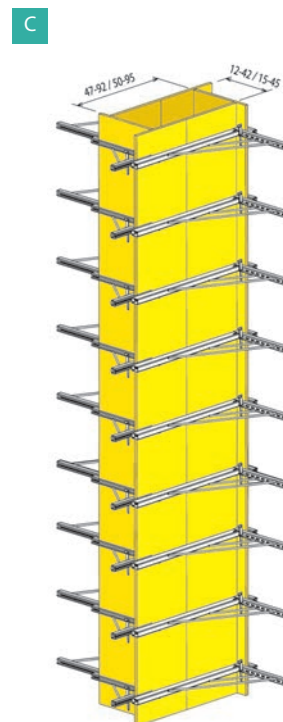
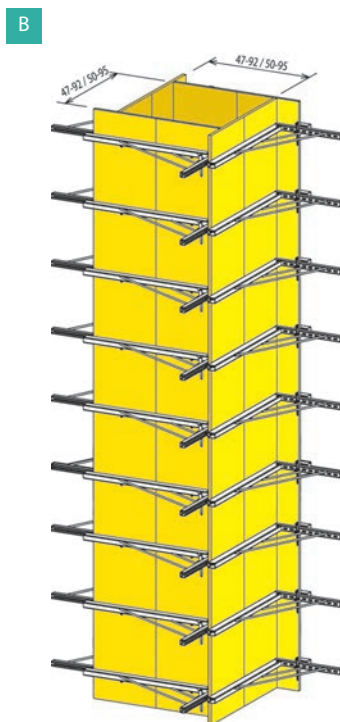
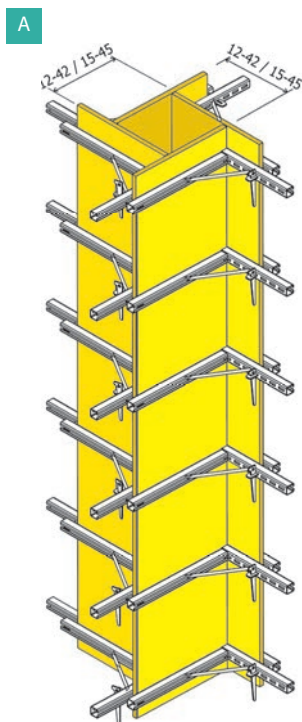
Columns from 47 to 92 cm / from 50 to 95 cm

Stezač za stub od 47 do 92 cm / od 50 do 95 cm

C Pilastri rettangolari con un lato ≤ 45 cm e l'altro lato ≥ 47 cm

Rectangular columns with two sides ≤ 45 cm and two sides ≥ 47 cm

Stezač za pravougaoni stub sa dvije strane ≤ 45 cm i dvije strane ≥ 47 cm



Elementi necessari

Necessary elements

Neophodni elementi

A		B		C		Description
Quantity	Code	Quantity	Code	Quantity	Code	
6	CRAV_G15-45_ZE o - or - ou CRAV_G12-42_ZE	36	CRAV_G50-95_ZE o - or - ou CRAV_G47-92_ZE	18	CRAV_G50-95_ZE o - or - ou CRAV_G47-92_ZE	Cravatta giro pilastro zincato Galvanized column stirrups Pocinčani stezači za stub
24	CUNEO1_N	36	CUNEO1_N	18	CRAV_S15-45_ZE o - or - ou CRAV_S12-42_ZE	
6 m ²	P300-50P	12 m ²	P300-50P	36	CUNEO1_N	Cuneo Big wedges Veliki klinovi
				9 m ²	P300-50P	Pannelli da 3,00x0,50 m 3,00x0,50 m panels 3,00x0,50 m paneli

Casseforme in legno

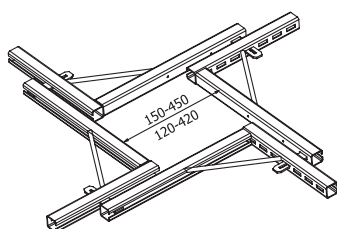
Wood formwork

Drvena oplata

Elementi per montaggio rapido casseforme per pilastri

Elements for the rapid mounting of formwork for columns

Elementi za brzu montažu drvenih oplata pomoću štafli



Cravatta giro pilastro zincato 12-42 cm / 15-45 cm

Galvanized columns stirrup 12-42 cm / 15-45 cm

Pocinčani stezač za stub 12-42 cm / 15-45 cm

Code	Dimension /cm	Pack	Weight /Kg
CRAV_G15-45_ZE	15 - 45	1 set / 4 pcs	9,60
CRAV_G12-42_ZE	12 - 42	1 set / 4 pcs	9,60

Cravatta giro pilastro zincato 47-92 / 50-95 cm

Galvanized columns stirrup 47-92 / 50-95 cm

Pocinčani stezač za stub 47-92 cm / 50-95 cm

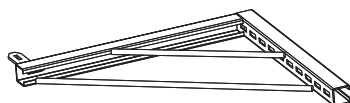


Code	Dimension /cm	pcs /Pack	Weight /Kg
CRAV_G50-95_ZE	50 - 95	1	6,70
CRAV_G47-92_ZE	47 - 92	1	6,70

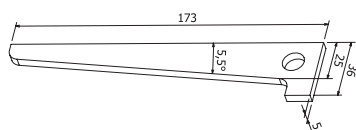
Elemento speciale zincato necessario per pilastri rettangolari con due lati ≤ 45 e due lati ≥ 47 cm

Galvanized special element for rectangular columns with two sides ≤ 45 cm and two sides ≥ 47 cm

Stezač za pravougaoni stub sa dvije strane ≤ 45 cm i dvije strane ≥ 47 cm



Code	Dimension /cm	pcs /Pack	Weight /Kg
CRAV_S15-45_ZE	15 - 45	1	3,70
CRAV_S12-42_ZE	12 - 42	1	3,70



Cuneo nero grande

Big wedge

Veliki klin

Code	pcs /Pack	Weight /Kg
CUNE01_N	100	11,00



Accessori per casseforme

■ Descrizione

Tutta la gamma di accessori per casseforme in legno e a telaio.

■ Finiture

Zincatura elettrolitica.
Verniciatura per immersione di colore Rosso RAL 3009.

Accessories for formwork

■ Description

The complete range of accessories for wood and modular formwork.

■ Finishes

Electrolytic galvanization.
Immersion painting in red colour RAL 3009.

Oprema za oplatu

■ Opis

Kompletna oprema za drvene i multifunkcionalne oplate.

■ Fino obrađivanje

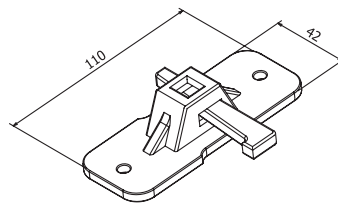
Elektrolitičko cinčanje.
Bojenje potapanjem u crvenu boju RAL 3009.

Morsetto a cuneo (per tondo Ø 6-10 mm)

Wedge clamp (for reinforcing bars Ø 6-10 mm)

Žabica s klinom (za armiranje šipki Ø 6-10 mm)

Code	pcs /Pack	Weight /Kg
FARF_ZE	50	0,45

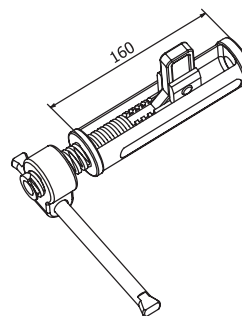


Tenditore per morsetto a cuneo

Tensioner for wedge clamp

Španer za žabicu s klinom

Code	pcs /Pack	Weight /Kg
TEND_ZE	1	1,43

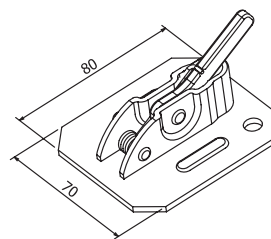


Morsetto a molla (per tondo Ø 6-10 mm)

Spring clamp (for reinforcing bars Ø 6-10 mm)

Žabica s oprugom (za armiranje šipki Ø 6-10 mm)

Code	pcs /Pack	Weight /Kg
FARF2_ZE	50	0,40

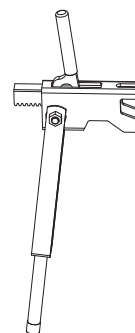


Tenditore per morsetto a molla zincato

Tensioner for spring clamp galvanized

Španer za žabicu s oprugom

Code	pcs /Pack	Weight /Kg
TEND2_ZE	1	2,80



Accessori per casseforme

Accessories for formwork

Oprema za oplatu

Distanziatori in plastica

Plastic spacers

Plastični distanceri



Code	L /mm	pcs /Pack	Pack / Pallet
PLAS_DIST015	150	100	90
PLAS_DIST020	200	100	60
PLAS_DIST025	250	100	50
PLAS_DIST030	300	100	45
PLAS_DIST040	400	100	30
PLAS_DISTGIU	48	100	500

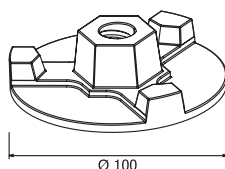


Tubo rigato/ Rosetta / Tappo Ø 22 mm in PVC per tiranti

Rifled Ø 22 mm PVC tube / Washer / Plug for tie rods

Juvidur cijev Ø 22 mm / Glava za juvidur cijev/ Konusni čep

Code	Pack	Pack / Pallet
PLAS_T2622	50 m	144
PLAS_ROS2622	500 pcs	72
PLAS_TAPPO2622	500 pcs	176

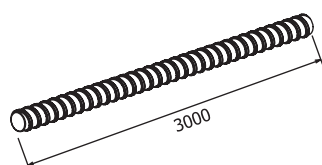


Dado a farfalla con 3 rinforzi – 10 kN

Forged anchor nut with 3 wings - 10 kN

Vijak sa tri krila - 10 kN

Code	Pack	Weight /Kg
DAD_02	Libera - Free - Libre	0,64



Tirante Ø 15/17 mm

Tie rod Ø 15/17 mm

Beskonačni navoj

Code	Length / mm	Pack	Kg / m
TR3000	3000	5 bars (15 m)	1,47

Accessori per casseforme

Accessories for formwork

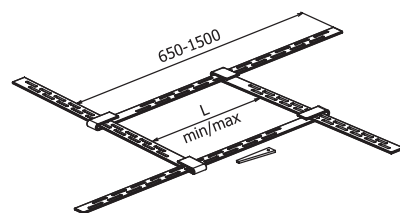
Oprema za oplatu

Girocravatta verniciato per pilastro e cuneo

Paint columns stirrups and wedges

Bojeni stezač za stub

Code	Dimension /cm	Pack	Weight /Kg
CRAV_N065	15 - 40	1 set / 4 pcs	8,80
CRAV_N075	25 - 50	1 set / 4 pcs	9,70
CRAV_N085	25 - 60	1 set / 4 pcs	10,60
CRAV_N110	40 - 80	1 set / 4 pcs	15,50
CRAV_N135	60 - 105	1 set / 4 pcs	27,26
CRAV_N150	80 - 120	1 set / 4 pcs	30,80
CRAV_NCUNEO	-	25 pcs	0,44



Scalino regolabile in lamiera zincata

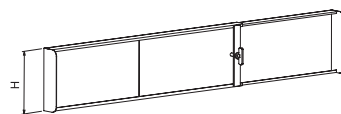
Metallic adjustable step galvanized

Metalni podesivi šalung za stepenice - pocinčan

Code	H /cm	L /cm	pcs /Pack	Weight /Kg
GRAD_02	16,5	80 / 150	110	4,90
GRAD_03	-	-	Libera - Free - S. izbor	1,10

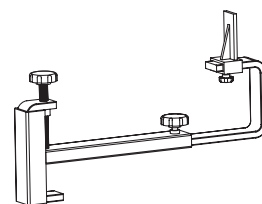
Code: GRAD_02

Scalino - Step - Gazište



Code: GRAD_03

Montascalini - Assembler - Stega za ram stepenice

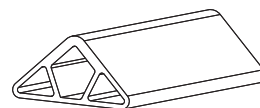


Smusso in plastica

Plastic chamfer

Plastični fiksator za uglove

Code	Width /mm	Pack /m	Pack / Pallet
PLAS_SMUSSO22X10	22	100	200
PLAS_SMUSSO32X15	32	100	144





Disarmante emulsionabile per pannelli e disarmante per pannelloni

Dismantling fluid for 3 ply shuttering panels and formworks

Ulje za poliranje panela i oplata

Code		Tanica - Tank - Bidon	Bancale - Pallet - Palette
DIS_1	●	25 lt	26 Taniche - Tanks - Posuda
DIS_3	◆	25 lt	26 Taniche - Tanks - Posuda

● Per pannelli - For panels - Za panele

◆ Per pannelloni - For plywood - Za šperploču

PRODOTTI VARI

OTHER PRODUCTS

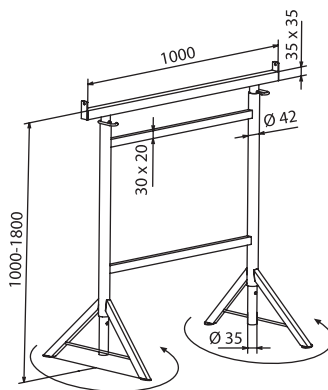
OSTALI PROIZVODI



Cavalletto doppio a gambe girevoli

Adjustable double trestle with revolving feet
Gradj.podest sa rotirajućim nogarama

Code	H min /m	H max /m	Weight /Kg
CAV-DOP	1,00	1,80	11,80

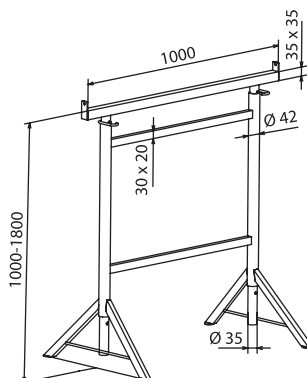


- Gancio ø 8 mm
Portata ammissibile 150 Kg
Pacchi da 30 pezzi
- Pin ø 8 mm
Admitted load 150 Kg
Packages of 30 pieces
- Osigurač ø 8 mm
Dopusteno opterećenje 150 Kg
30 komada u paketu

Cavalletto doppio a gambe fisse

Adjustable double trestle with fixed feet
Gradj.podest sa fiksni nogarama

Code	H min /m	H max /m	Weight /Kg
CAV-DOP2	1,00	1,80	10,70

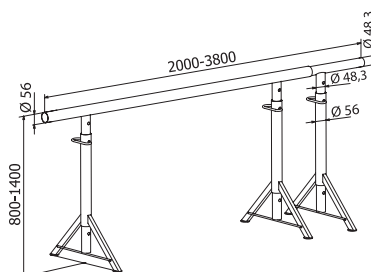


- Gancio ø 8 mm
Portata ammissibile 150 Kg
Pacchi da 15 pezzi
- Pin ø 8 mm
Admitted load 150 Kg
Packages of 15 pieces
- Osigurač ø 8 mm
Dopusteno opterećenje 150 Kg
15 komada u paketu

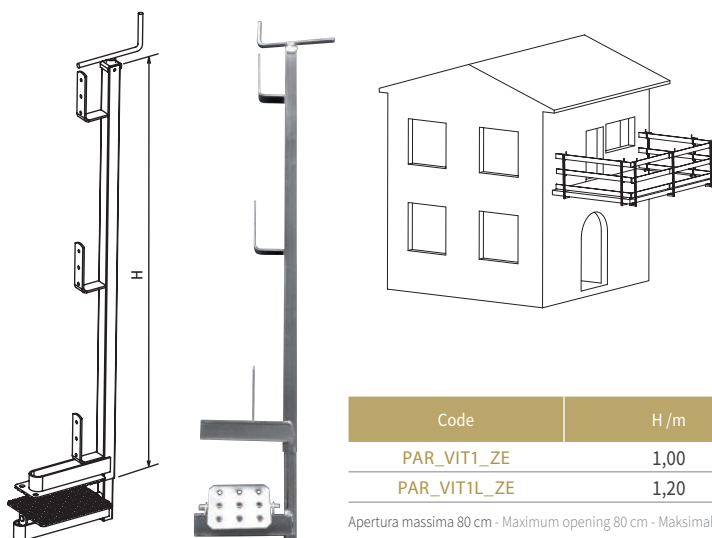
Cavalletto doppio a gambe fisse

Adjustable double trestle with fixed feet
Gradj.podest sa fiksni nogarama

Code	H min /m	H max /m	Weight /Kg
CAV-TRI	0,80	1,40	20,00



- Larghezza min 2,00 m
Larghezza max 3,80 m
Gancio ø 12 mm
Pacchi da 10 pezzi
- Width min. 2,00 m
Width max 3,80 m
Pin ø 12 mm
Packages of 10 pieces
- Širina min. 2.00 m
Širina max. 3.80 m
Osigurač ø 12 mm
10 primjeraka u paketu



Parapetto a vite zincato classe A
Screw parapet class A
Parapet za zaštitnu ogradu za ploče i balkone-klasa A

Conforme alla norma EN 13374_2013

In compliance with EN 13374_2013

U skladu sa EN 13374_2013

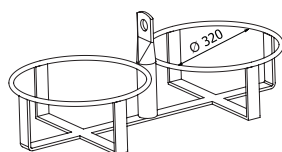
Code	H /m	pcs /Pack	Weight /Kg
PAR_VIT1_ZE	1,00	150	6,30
PAR_VIT1L_ZE	1,20	Libera - Free - Slobodan izbor	6,40

Apertura massima 80 cm - Maximum opening 80 cm - Maksimalan otvor 80 cm

Porta secchio doppio

Support for 2 buckets

Držač za 2 korpe

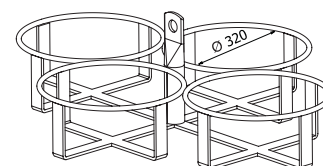


Code	Pack	Weight /Kg
PS_01	Libera - Free - Slobodan izbor	6,00

Porta secchio quadruplo

Support for 4 buckets

Držač za 4 korpe

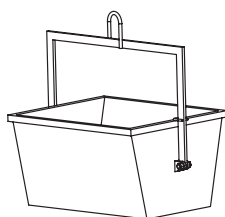


Code	Pack	Weight /Kg
PS_02	Libera - Free - Slobodan izbor	10,00

Benna trapezoidale

Trapezoidal bucket

Trapezoidna korpa



Code	Capacity /lt	Pack	Weight /Kg
BENNA-T_045	45	Libera - Free - Slobodan izbor	14,00
BENNA-T_080	80	Libera - Free - Slobodan izbor	18,00
BENNA-T_120	120	Libera - Free - Slobodan izbor	25,00

Rigone per parete con o senza pedale

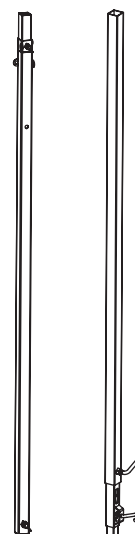
Ruler with spring for walls with or without pedal

Lenjir sa oprugom za zid sa ili bez opcijom za podešavanje

Code		Mod.	pcs /Pack	Weight /Kg
R320_ZE	●	320	30	4,50
RP320_ZE	◆	320	30	4,50
R400_ZE	●	400	30	5,50
RP400_ZE	◆	400	30	5,50
RMAN	■	-	Libera - Free - Libre	0,50

● Senza pedale, zincato
Without pedal, galvanized
Bez pedale, pocinčani

◆ Con pedale, zincato
With pedal, galvanized
Sa pedalom, pocinčani

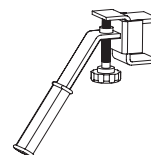


Code: RMAN

Maniglia per rigone

Handle for ruler

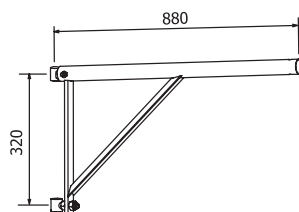
Ručica za lenjir



Mensola per carrucola

Shelf for pulley

Fiksni nosač za dizalicu (koturaljku)

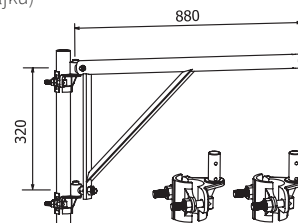


Code	Pack	Weight /Kg
MENS_CAR	Libera - Free - Slobodan izbor	9,00

Mensola pivotante per argano

Swivel bracket for hoist

Rotirajući nosač za dizalicu (koturaljku)

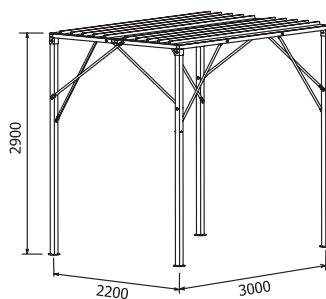


Code	Pack	Weight /Kg
MENS_ARG	Libera - Free - Slobodan izbor	12,40

Copertura copri betoniera zincata

Galvanized roofing for mixer

Pocinčani krov za mikser



Code	Pack	Weight /Kg
COP_01	Libera - Free - Slobodan izbor	190,00

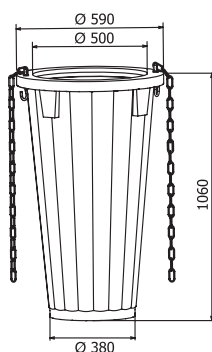
Code: PLAS_08

Catena di ricambio
Spare chain
Rezervni lanac



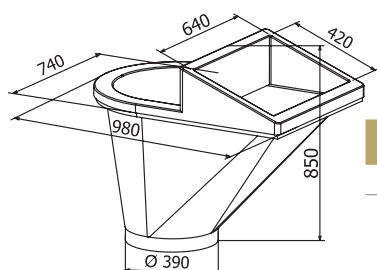
Code: PLAS_04

Scivolo
Conveyor
Kanta



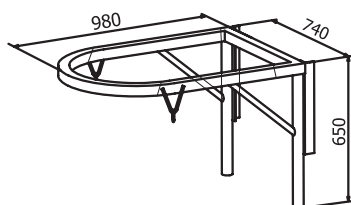
Scivolo scarica detriti
Conveyor for dumping rubble
Posuda za odlaganje šuta

Code	Pack	Weight /Kg
PLAS_04	Libera - Free - Slobodan izbor	9,00
PLAS_08	Libera - Free - Slobodan izbor	0,50



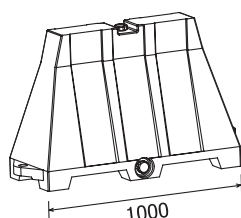
Tramoggia di carico
Hopper
Lijevak za odlaganje šuta

Code	Pack	Weight /Kg
PLAS_05	Libera - Free - Slobodan izbor	8,50



Telaio per tramoggia
Frame for hopper
Okvir lijevka za šut

Code	Pack	Weight /Kg
PLAS_06	Libera - Free - Slobodan izbor	16,00

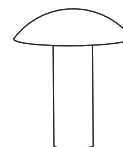


Barriera stradale in plastica
Plastic road separator
Plastični putni branik

Code	pcs /Pallet	Weight /Kg
PLAS_07	36	7,00

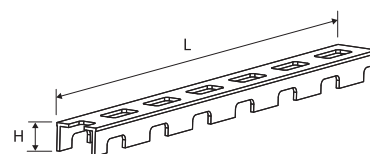
Tappo di protezione per tondo d'armatura
Protection cap for reinforcing bars
Zaštitni poklopac za armiranje šipki

Code	Ø /mm	pcs /Pack	Weight /Kg
PLAS_13	6 - 20	400	0,02
PLAS_18	16 - 32	300	0,03

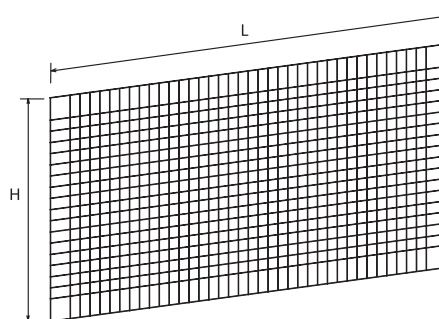
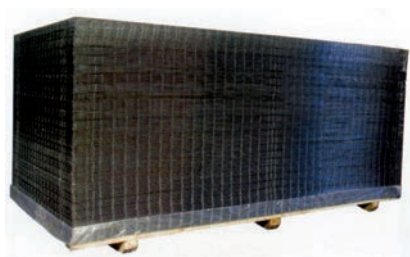


Distanziatore PVC universale rapid
Universal PVC spacer
Univerzalni PVC distancer

Code	L /cm	H /cm	pcs /Pack
PLAS_DISTL-H015	200	1,50	50
PLAS_DISTL-H020	200	2,00	50
PLAS_DISTL-H025	200	2,50	50
PLAS_DISTL-H030	200	3,00	50
PLAS_DISTL-H035	200	3,50	32
PLAS_DISTL-H040	200	4,00	32
PLAS_DISTL-H050	200	5,00	32



Rete zincata per massetto 100x200 cm
Galvanized electrowelded net for screed 100x200 cm
Pocinčana elektrovarena žica za estrih 100x200 cm



Code	L /cm	H /cm	Maglia /mm Mesh /mm Polje /mm	Filo /Ø mm Wire /Ø mm Debljina /Ø mm	Pannelli /bancale Panels /pallet Panela /Na paletu	Weight /Kg (cad)
RETE_MAS01	200	100	60x60	1.4	800	0,76

Code	Ø /mm (JpD)	L /mm
CHIO13X030	2,00 (13)	30
CHIO15X050	2,40 (15)	50
CHIO16X060	2,70 (16)	60
CHIO17X070	3,00 (17)	70
CHIO18X080	3,50 (18)	80
CHIO20X100	4,50 (20)	100
CHIO21X120	5,00 (21)	120

- Costruiti secondo norma EN 10230.
Gamma completa di chiodi a testa piana.
Scatole da 5 kg.
Etichetta su ogni scatola con peso e misura.
Bancali da 1.000 kg / 1080 kg.
Protezione bancale con pellicola in polietilene.
* Altre lunghezze disponibili su richiesta.

- Produced according to EN 10230.
Complete range of nails for construction.
Boxes of 5 kg.
Each box is labeled with dimensions and weight.
Pallets of 1.000 kg / 1080 kg.
Pallet protected by a polyethylene film.
* Other lengths available upon request.



Chiodi testa piana standard
Nails for construction
Ekseri



- Poizvedeno na osnovu EN 10230.
Kompletan asortiman eksera.
5 kg pakovanje.
Svaka kutija ima oznaku dimenzije i težine.
Paleta 1 000 kg/ 1 080 kg.
* Ostale dužine dostupne na zahtjev kupca.

Code		Ø /mm (JpD)	L /mm
●	◆		
CHIO_ACC40	CHIO_ACCZ40	3,00 (17)	40
CHIO_ACC50	CHIO_ACCZ50	3,50 (18)	50
CHIO_ACC60	CHIO_ACCZ60	3,50 (18)	60
CHIO_ACC70	CHIO_ACCZ70	3,50 (18)	70

- Acciaio brunito
Black steel
Crni čelik
- ◆ Acciaio zincato
Galvanized steel
Pocinčani čelik

- Scatole da 2,5 kg.
Etichetta su ogni scatola con peso e misura.
Bancali da 1.000/1.200 Kg.
Protezione bancale con pellicola in polietilene.
Bruniti o zincati.
* Altre lunghezze disponibili su richiesta.

- Boxes of 2,5 kg.
Each box is labeled with the dimensions and weight.
Pallet of 1.000/1.200 kg.
Pallet protected by a polyethylene film.
Blued or galvanized.
* Other lengths available upon request.



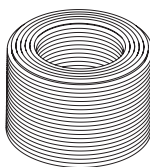
Chiodi testa bombata in acciaio brunito o zincato
Steel black and galvanized nails for construction
Čelični crni i pocinčani ekseri



- Pakovanje 2,5 kg
Svaka kutija ima oznaku dimenzije i težine
Paleta 1 000 kg/ 1 200 kg
Paleta zaštićena polietilenom
Plavo ili pocinčano
* Ostale dužine dostupne na zahtjev kupca

Filo cotto nero

Black annealed wire
Crna i pocinčana žica



Code	Ø /mm (JpD)
FIL05	1,00 (05)
FIL08	1,30 (08)
FIL10	1,50 (10)
FIL12	1,80 (12)
FIL14	2,20 (14)
FIL15	2,40 (15)
FIL16	2,70 (16)
FIL17	3,00 (17)
FIL18	3,50 (18)
FIL19	4,00 (19)
FIL21	5,00 (21)

- Filo cotto nero secondo la norma DIN 177.
Tensione massima di trazione di 450 N/mm².
Matasse da 25 kg. Imballo da 500 Kg.
Coils da 500/800 kg, reggiati in 4 punti e protetti da una pellicola di polietilene.
- Black annealed wire according to DIN 177.
Ultimate tensile strength of 450 N/mm².
Coils of 25 kg. Packaging of 500 Kg.
Coils packaged with polyethylene sheets and bound in a 500 Kg bale, with cold rolled steel strip.
- Crna žica za varenje i pocinčana žica prema DIN 177.
Ukupna zatezna sila 450 N/mm².
Buntovi 25 kg
Buntovi pakovani u polietilenskom omotu i vezana u bale od 500 kg sa čeličnom trakom.

Filo cotto bianco in bobine

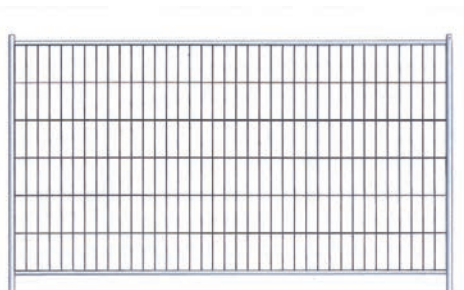
White annealed wire in hanks
Žica za varenje u kolutovima



Code	Ø /mm (JpD)	Wires
BOB_B-4x2	0,90 (4)	2
BOB_B-4x3	0,90 (4)	3
BOB_B-5x2	1,00 (5)	2
BOB_B-5x3	1,00 (5)	3

- Filo cotto bianco in bobine.
Bobina da 0,330 kg.
Scatole da 25 kg.
Bancale da 1125 kg.
Bobine protette da una pellicola di polietilene.
- White annealed wire in hanks.
Hanks of 0,330 Kg.
Packed in boxes of 25 kg.
Pallets of 1125 kg.
Hanks protected with a polyethylene film.
- Bijela žica pakovana u bombine.
Bombina od 0,330 Kg.
Pakovana u kutije zapremine 25 kg.
Palete 1125 kg.
Bombine zaštićene polietilenom.

Pannello recinzione mobile zincato - 200x350 cm
Galvanized mobile fence panel - 200x350 cm
Pocinčana mobilna ograda - panel 200x350 cm

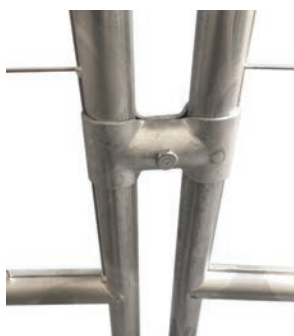


Code	L /cm	H /cm	Vertical Tubes Ø /mm	Horizontal Tubes Ø /mm	Weight /Kg (cad)
RECMOB_P200X350	350	200	40	32	14,00
RECMOB_P200X350P	350	200	40	40	16,00



Cerniera per cancello recinzione mobile
Hinge for mobile fence gate
Šarke za mobilne ograde - panele

Code	Weight /Kg (cad)
RECMOB_CERN	0,60



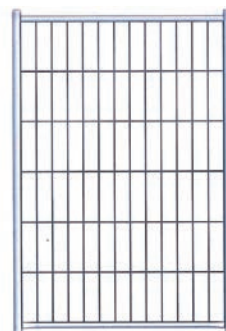
Morsetto blocca tubi zincati
Clamp for galvanized pipes
Spojnice za pocinčane cijevi

Code	pcs /Pack	Weight /Kg (cad)
RECMOB_GIUN	25	0,50

Cancello per recinzione mobile zincato

Galvanized mobile fence gate
Pocinčana mobilna ograda

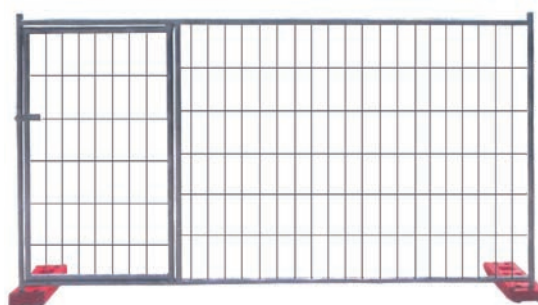
Code	L /cm	H /cm	Weight /Kg (cad)
RECMOB_P200X100	100	200	8,00
RECMOB_P200X200	200	200	10,00



Pannello recinzione mobile zincato 200x350 cm con cancello

Galvanized mobile fence panel 200x350 cm with gate
Pocinčana mobilna ograda, panel 200x350 cm s vratima

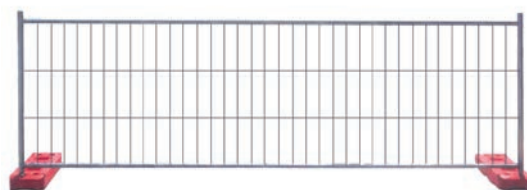
Code	L /cm	H /cm	Weight /Kg (cad)
RECMOB_C200X350	350	200	23,00



Pannello recinzione mobile zincato 100x350 cm

Galvanized mobile fence panel 100x350 cm
Pocinčana mobilna ograda - panel 100x350 cm

Code	L /cm	H /cm	Weight /Kg (cad)
RECMOB_P100X350	350	100	12,00



Basamento per recinzione mobile

Plinth for mobile fence
Postolje za mobilne ograde

Code	Pcs/Pallet	Weight /Kg (cad)
RECMOB_BCLS	40	28,00
RECMOB_BPVC	40	28,00





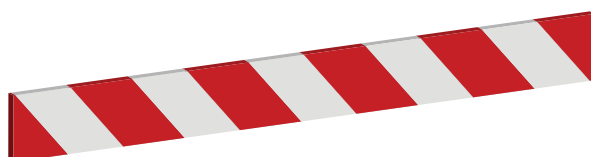
Contenitore per 30 pezzi di recinzioni mobili
Metal container for 30 pieces of mobile fences
Metalni kontejner za 30 komada mobilnih ograda

Code	Pcs/Pallet
RECMOB_CONT	Libera - Free - Libre



Transenna mobile zincata
Galvanized mobile transenna
Pocinčana mobilna barijera

Code	L /cm	H /cm	Weight /Kg (cad)
RECMOB_TR200X110	200	110	21,00
RECMOB_TR250X110	250	110	25,00



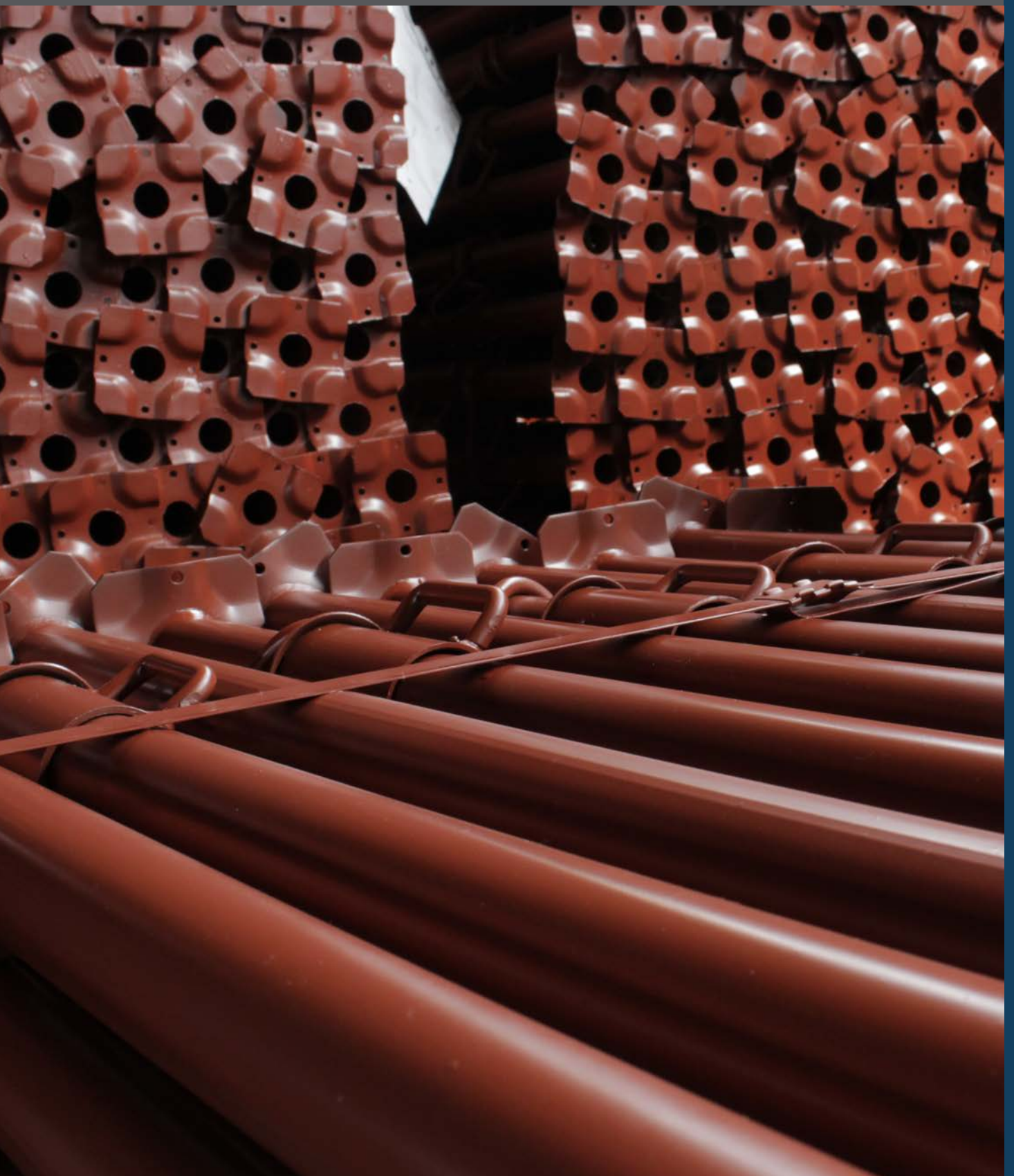
Banda di segnalazione cantiere in lamiera zincata
Construction site signaling band in galvanized sheet
Oznaka za gradilište od pocinčanog metala

Code	L /cm	H /cm
RECMOB_TRBAND	200	26

SISTEMI PER PUNTELLAMENTO E PER SOLAI

SHORING AND SLAB SYSTEMS

SISTEMI ZA PODUPIRANJE I PLOČE





Accessori per puntelli e solai

■ Descrizione

Tutti gli accessori necessari per creare i vostri sistemi di puntellazione.

■ Finiture

Verniciatura per immersione di colore rosso RAL 3009, zincatura elettrolitica o a caldo.

Accessories for props and slabs

■ Description

All the necessary accessories to create your shoring system.

■ Finishes

Immersion painting in red colour RAL 3009, electrolytic or hot dip galvanization.

Oprema za podupirače i ploče

■ Opis

Svi potrebni dijelovi za izradu vlastitog sistema podupiranja (podupirača).

■ Fino obrađivanje

Potapajuće farbanje u crvenu boju RAL 3009, toplo (duboko) cinčanje ili elektrolitičko cinčanje.

Utilizzo corretto delle forcelle e delle travi

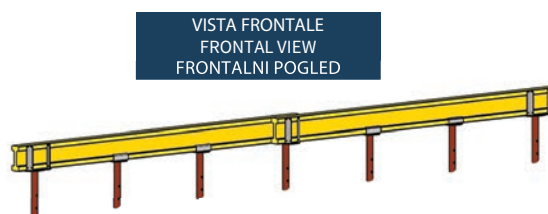
Per utilizzare correttamente le forcelle e le travi, si consiglia la forcella classica che può essere utilizzata da entrambi i lati, permettendo l'inserimento di una o due travi portanti e mantenendole in posizione evitandone il ribaltamento. La forcella semplice, più economica, viene invece utilizzata per sostenere le travi nei punti intermedi ed è stata progettata per adattarsi automaticamente al profilo inferiore delle travi.

Correct use for forks and beams

For a proper use of forks and beams, we suggest the classic fork head which can be used on both sides, allowing to insert both one or two beams at a time and to hold them into position avoiding their tip over. The simple fork head, which is cheaper, is used to hold the beams in the middle and was designed to adapt automatically to the inferior profile of the beams.

Ispravno korištenje viljušaka i greda

Za ispravno korištenje viljušaka i greda savjetujemo standardnu viljušku, koja se može koristiti dvostrano, dozvoljavajući postavljanje jedne ili obe grede istovremeno, zadržavajući ih u standardnoj poziciji. Jednostavna viljuška, koja je ekonomičnija, koristi se za držanje grede na sredini i dizajnirana je, tako da se automatski prilagodi donjem profilu/obliku grede.

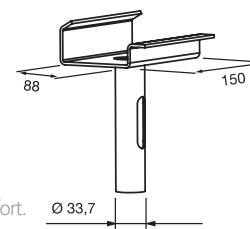


Forca semplice H20 (arresto di testa) zincata

Da utilizzare con travi H20, compatibile con qualsiasi puntello di nostra produzione. Grazie alla sua forma, questa forca può essere agganciata alla trave e, tramite l'apposito foro, al puntello. Rimanendo agganciato alla trave, quindi, il puntello potrà estendersi sfruttando la gravità, riducendo al minimo lo sforzo degli operai.

Simple galvanized H20 fork (head stop)

To be used with H20 beams, suitable for all types of props from our production. Through its particular shape this fork it can be hooked to the beam and to the prop, thanks to the pin-dedicated hole. Since it is hooked to the beam, the prop will extend automatically due to gravity, consequently reducing the workers' physical effort.



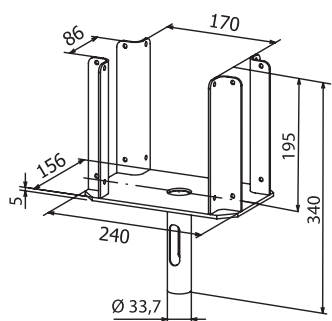
Pocinčana H20 viljuška (blokirana glava)

Koristi se za sve tipove podupirača iz naše proizvodnje. S obzirom na poseban oblik, viljuška može biti zakačena za gredu i podupirač istovremeno, zahvaljujući rupi za osigurač. S obzirom da je zakačena za gredu, podupirač će se automatski otvoriti, zahvaljujući gravitaciji i samim tim olakšati situaciju radniku.

Code	Pack	Weight /Kg
FORC4_ZE	Libera - Free - Slobodan izbor	1,10



Forca H20



Da utilizzare con travi H20, compatibile con qualsiasi puntello di nostra produzione.

H20 fork

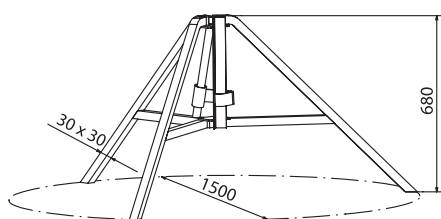
To be used with H20 beams, suitable for all types of props from our production.

H20 Viljuška

Koristi se za sve vrste naših podupirača.

Code	pcs /Pack	Weight /Kg
FORC	200	2,80

Cavalletto treppiede per puntello



Utile a sostenere il puntello senza spreco di manodopera. Adatto per ogni tipologia di puntello.

Tripod for prop

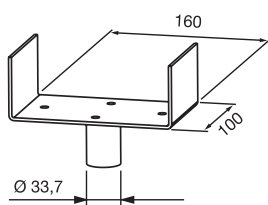
Useful to support the shore without wasting manpower. Suitable for all types of prop.

Tronožac za podupirač

Koristan za ojačanje baznog dijela podupirača. Prilagodljiv za sve vrste podupirača.

Code	pcs /Pack	Weight /Kg
CAV	72	8,20

Forca doppia zincata



Da utilizzare con travi standard, compatibile con qualsiasi puntello di nostra produzione.

Double galvanized fork

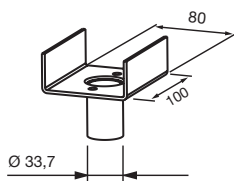
To be used with standard beams, suitable for all types of props from our production.

Dupla pocinčana viljuška

Koristi se za standardne grede i postavlja se na sve podupirače iz naše proizvodnje.

Code	pcs /Pack	Weight /Kg
FORCBR_ZE	20	0,79

Forca semplice zincata



Da utilizzare con travi standard, compatibile con qualsiasi puntello di nostra produzione.

Simple galvanized fork

To be used with standard beams, suitable for all types of props from our production.

Standardna pocinčana viljuška

Koristi se za standardne grede i postavlja se na sve podupirače iz naše proizvodnje.

Code	pcs /Pack	Weight /Kg
FORCBR2_ZE	20	0,46

Forca mista zincata

Da utilizzare con travi standard, compatibile con qualsiasi puntello di nostra produzione.

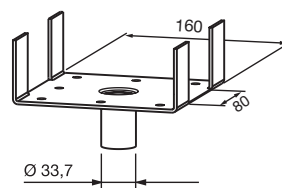
Mixed galvanized fork

To be used with standard beams, suitable for all types of props from our production.

Višenamjenska pocinčana viljuška

Koristi se za standardne grede i postavlja se na sve podupirače iz naše proizvodnje.

Code	pcs /Pack	Weight /Kg
FORCBR3_ZE	20	0,80



Croce zincata

Da utilizzare per travi ribassate, compatibile con qualsiasi puntello di nostra produzione.

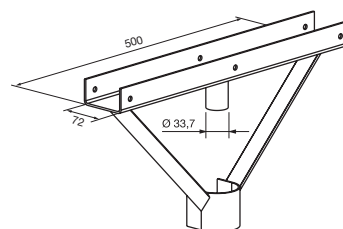
Cross galvanized head

To be used for lowered beams, suitable for all types of props from our production.

Krstasta glava pocinčana

Koristi se za niže grede i postavlja se na sve podupirače iz naše proizvodnje..

Code	pcs /Pack	Weight /Kg
FORCBR4_ZE	10	2,20

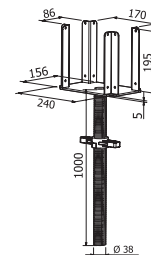


Forcella regolabile Ø 38 mm

Adjustable fork Ø 38 mm

Prilagodljiva viljuška Ø38 mm

Code	Weight /Kg
FORC3	5,00

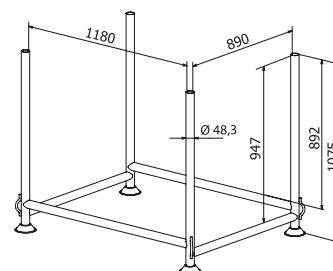


Contentore grande (con ganci di sollevamento)

Big container (with lifting handles)

Velika paleta za podupirače (sa ručkama)

Code	Weight /Kg
CONT	24,50

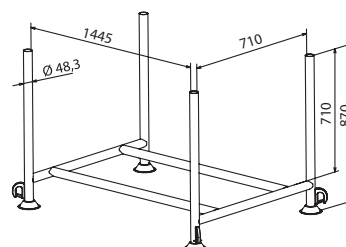


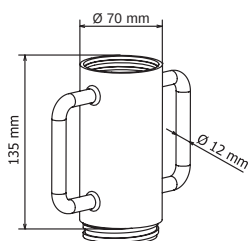
Contentore piccolo (con ganci di sollevamento)

Small metal container (with lifting handles)

Mala paleta za podupirače (sa ručkama)

Code	Weight /Kg
CONT4	25,00

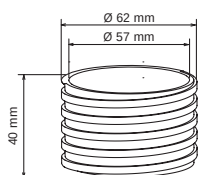




Manicotto completo di manicottino per puntello

Sleeve complete of internal screw for prop
Kompletna navrtka sa navojem za podupirač

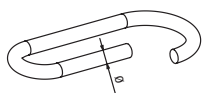
Code		Weight /Kg
MAN		1,00



Manicottino per manicotto puntello

Internal screw for prop's sleeve
Navoj za navrtku

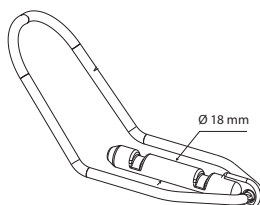
Code		Weight /Kg
MAN.2		0,25



Gancio per puntello

Pin for prop
Osigurač za podupirač

Code	Ø /mm	for Ø tube /mm	Weight /Kg
GAN12_48	12	48	0,29
GAN14_48	14	48	0,41
GAN14_60	14	60	0,51
GAN14_70	14	70	0,57
GAN14_76	14	76	0,75
GAN16_76	16	76	0,86
GAN16_89	16	89	1,00



Gancio con disarmo rapido ed anello

Quick release pin with a ring
Osigurač za brzo montiranje sa prstenom

Code	Ø /mm	Weight /Kg
GANUSA_ZE	18	0,45



Rondella bombata per puntello

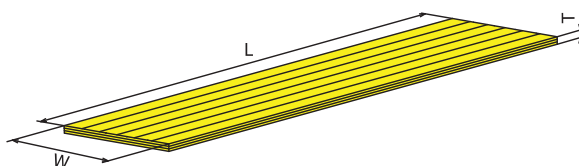
Grooved washer for prop
Podložka

Code		Weight /Kg
ROND_B		0,15

Utilizzo corretto delle forcelle e delle travi

3-ply shuttering panel
Troslojni panel za šalovanje

- Legname accuratamente essiccato
Incollaggio melaminico resistente all'acqua
Stabilità nella forma
Dimensioni costanti e lunga durata
Spessore 27 mm, pacchi da 40 pezzi
Peso per m² 13 Kg
Conforme a norma EN 13353
Modulo di elasticità calcolato secondo gli standard EN 13353:
- Media = 12.393 N/mm²
- Quantità inferiore al 5% = 7.284 N/mm²
- Carefully dried timber
Melamine waterproof gluing
Dimensional stability
Size retention, and longevity
Thickness 27 mm, packages of 40 pcs
Weight per m² 13 Kg
Following the norm EN 13353
Elasticity module calculated according to EN 13353 standards:
- Average = 12.393 N/mm²
- Quantity below 5% = 7.284 N/mm²
- Pažljivo sušeno drvo
Sastavljeno anti-vodopropusnim ljepljom
Stabilne dimenzije
Dugovječan materijal
Debljina 27 mm, 40 komada u paketu
Težina po m² 13 kg
Prati normative EN 13353
Elastičan model izračunat po standard ima EN 13353:
- Prosjek = 12,393 N/mm²
- Količina ispod 5% = 7, 284 N/mm²



Code	Dimensions /cm	Thickness /cm	m ² /pack (40 pcs)
P100-50P	100 x 50	2,7	20
P150-50P	150 x 50	2,7	30
P200-50P	200 x 50	2,7	40
P250-50P	250 x 50	2,7	50
P300-50P	300 x 50	2,7	60

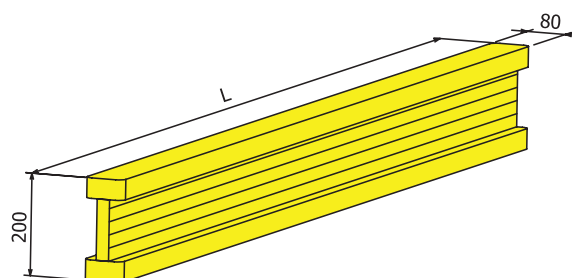
Travi H20 in legno

Timber formwork H20 beams
Drvena oplata od H20 greda

- Legname accuratamente essiccato
Superficie bonificata con resina
Stabilità nella forma e nelle dimensioni
Riduce costi e manodopera
Lunga durata grazie all'incollaggio di alta qualità
Protezione di testa in plastica
Peso limitato (4,6 kg/m)
Pacchi da 50 pezzi
Conforme a norma EN 13377

- Carefully dried timber
Surface coated with synthetic resin
Dimensional stability and size retention
Reduces costs and saves work time
Long service life through high-grade gluing
Plastic protections on the extremities
Low weight (4,6 kg/m)
Packages of 50 pcs
Following the norm EN 13377

- Pažljivo sušeno drvo
Površina obložena sintetičkom smolom
Stabilnost u zadržavanju ispravnih dimenzija
Smanjuje troškove i gubljenje vremena
Dug životni vijek visoko-kvalitetnog ljepila
Plastična zaštita na krajevima
Mala kilaža (4,6 kg/m)
50 komada u paketu
Prati normative EN 13377



Dimensioni disponibili
Available dimensions
Dostupne dimenzije

Code	Dimensions /cm	ml /pack (50 pcs)
H20-245	245	122,5
H20-265	265	132,5
H20-290	290	145
H20-330	330	165
H20-360	360	180
H20-390	390	195
H20-450	450	225
H20-490	490	245
H20-590	590	295

Valori ammessi
Allowable values
Dozvoljene vrijednosti

Forza trasversale Shear force Pokretna sila	Reazione di appoggio A support reaction Sila koju izdržava	Coppia di flessione Bending moment Moment savijanja
Q	A	M
11 kN	22 kN	5 kNm

Valore limite caratteristico
Characteristic limit
Granica

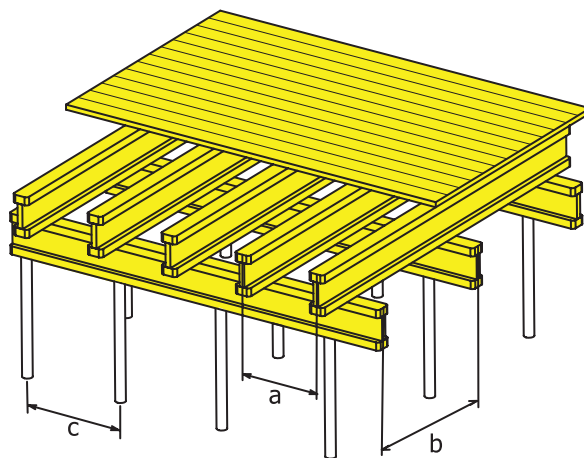
Forza trasversale Lateral force Bočna sila	Resistenza all'appoggio Contact resistance Otpornost na kontakt	Coppia di flessione Bending moment Moment savijanja	Rigidità Rigidity Krutost materijala
V _k	R _{b,k}	M _k	E _i
23,9 kN	47,8 kN	10,9 kNm	450 kNm ²

Tabella di carico per travi H20
Loading table for H20 beams
Tabela očitani vrijednosti za H20 grede

Spessore soletta Ceiling thickness Debljina ploče /cm	Carico Load Opterećenje kN/m²	Interasse travi superiori Spacing of crossbeams Razmak poprečnih sekundarnih greda /m (a)				Interasse travi inferiori Spacing of yoke beams Razmak uzdužnih primarnih greda /m (b)									
		0,5	0,63	0,67	0,75	1	1,25	1,5	1,75	2	2,25	2,5	3	3,5	
10,00	4,40	3,63	3,37	3,29	3,17	2,88	2,67	2,46	2,28	2,13	2,01	1,91	1,67	1,43	
12,00	4,92	3,43	3,19	3,12	3,00	2,72	2,53	2,33	2,16	2,02	1,90	1,79	1,49	1,28	
14,00	5,44	3,27	3,04	2,97	2,86	2,60	2,41	2,41	2,05	1,92	1,80	1,62	1,35	1,16	
16,00	5,96	3,14	2,92	2,85	2,74	2,49	2,31	2,12	1,90	1,83	1,64	1,48	1,23	1,05	
18,00	6,48	3,03	2,81	2,75	2,65	2,40	2,22	2,03	1,88	1,70	1,51	1,36	1,13	0,97	
20,00	7,00	2,93	2,72	2,66	2,56	2,32	2,14	1,95	1,80	1,57	1,40	1,20	1,05	0,90	
22,00	7,52	2,84	2,64	2,58	2,48	2,26	2,06	1,88	1,67	1,46	1,30	1,17	0,98	0,84	
24,00	8,04	2,76	2,57	2,51	2,42	2,19	2,00	1,82	1,56	1,37	1,22	1,09	0,91	0,78	
26,00	8,56	2,70	2,50	2,45	2,35	2,14	1,93	1,71	1,47	1,29	1,14	1,03	0,86	0,73	
28,00	9,08	2,63	2,44	2,39	2,30	2,09	1,88	1,62	1,38	1,21	1,08	0,97	0,81	0,69	
30,00	9,66	2,57	2,39	2,34	2,25	2,03	1,82	1,52	1,30	1,14	1,01	0,91	0,76	0,65	
35,00	11,22	2,45	2,27	2,23	2,14	1,89	1,57	1,31	1,12	0,98	0,87	0,78	0,65	0,56	
40,00	12,78	2,35	2,18	2,13	2,04	1,72	1,38	1,15	0,98	0,86	0,77	0,69	0,57	0,49	
45,00	14,34	2,26	2,10	2,04	1,93	1,53	1,23	1,02	0,88	0,77	0,68	0,61	0,51	0,44	
50,00	15,90	2,18	2,01	1,94	1,83	1,38	1,11	0,92	0,79	0,69	0,61	0,55	0,46	0,40	

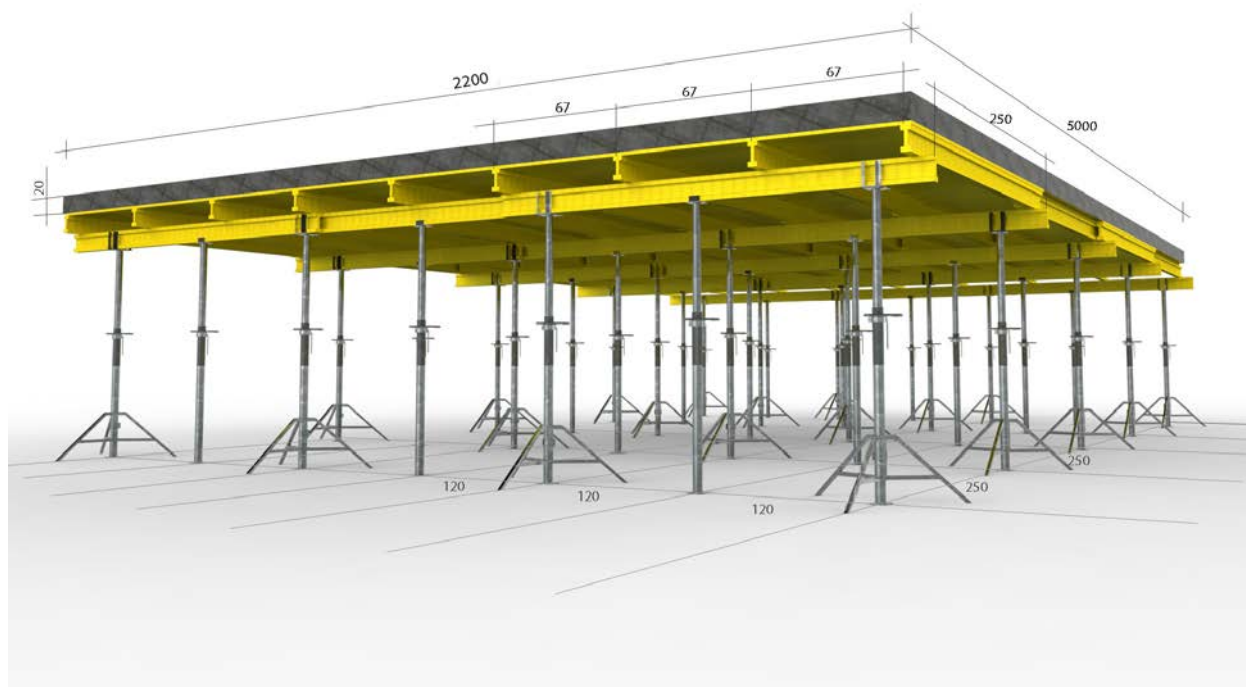
■ Il puntello adatto va scelto in base al carico necessario.
The prop should be chosen according to the load required.
Podupirač treba biti biećenja

Spazio fra puntelli
Spacing of props
Razmak podupirača
/m
(c)



Esempio
Example
Primjer

Soletta di 1100 m² - spessore 20 cm
Slab of 1100 m² - thickness 20 cm
Ploča 1100 m² - debljine 20 cm



Elementi necessari
Necessary elements
Neophodni elementi

Quantity	Code	Description
399	BDXXE/CDXXE	Puntello EN 1065 classe D Prop EN 1065 class D Podupirač EN 1065 klase D
147	CAV_ZE	Cavalletto treppiede per puntello zincato Galvanised tripod for prop Pocinčani tronožac za podupiračp
147	FORC_ZE	Forca mista H20 - zincata elettrolitica Mixed H20 fork - electrogalvanised Višenamjenska H20 viljuška - elektrocinčana
252	FORC4_ZE	Forca semplice H20 - zincata elettrolitica Simple H20 fork- electrogalvanised Standardna H20 viljuška - elektrocinčana
126 pcs (491,40 m)	H20-390	Travi H20 in legno 3,90 M (Usate come principali) Timber formwork H20 beams 3,90 M (used as main) Drvena oplata od H20 greda 3,90 m (korištena kao primarna greda)
640 pcs (1856 m)	H20-290	Travi H20 in legno 2,90 M (Usate come secondarie) Timber formwork H20 beams 2,90 M (used as secondary) Drvena oplata od H20 greda 2,90 m (korištena kao sekundarna greda)
1100 pcs (1100 m²)	P200-50P	Pannello in legno a tre strati per armature 2 X 0,50 M 3-ply shuttering panel 2 X 0,50 M Troslojni panel 2 X 0,50 m



Puntelli telescopici standard

■ Descrizione

Adatti per ogni tipo di puntellazione.
Pratici, economici e resistenti.
Vasta gamma di tipologie e dimensioni
per soddisfare le esigenze di tutti.

■ Caratteristiche costruttive

Tubi in acciaio S235JR.
Tubo interno Ø 48,3 mm.
Tubo Esterno Ø 56 mm.
Ø gancio 12 mm.
Maniglie del manicotto Ø 12 mm.
Rondella bombata.
Dispositivo di regolazione fine a manicotto.
Lunhezza manicotto 135 mm.
Anticesoimento per la mano.
Antisfilamento brevettato (Optional).

■ Finiture

Verniciatura per immersione di colore:
Rosso RAL 3009.
Zincatura elettrolitica o a caldo.

■ Norme di riferimento

Produzione: DPR 164/56 Art. 7.
Tubi: EN10219-1/2.
Zincatura a caldo: EN 40.
Zincatura elettrolitica: EN12329.

Standard telescopic props

■ Description

Suitable for all types of shoring.
Practical, economical and resilient.
Wide range of types and dimensions
to satisfy all your needs.

■ Construction features

Tubes in steel grade S235JR.
Internal tube Ø 48,3 mm.
External tube Ø 56 mm.
Ø of the pin 12 mm.
Sleeve's handles Ø 12 mm.
Grooved washer.
Fine adjustment with steel sleeve.
Sleeve's length 135 mm.
No crushing of the hand.
Patented inner tube stop (Optional).

■ Finishes

Immersion painting colour:
Red RAL 3009.
Electrolytic or hot dip galvanization.

■ Reference standards

Production: DPR 164/56 Art. 7.
Tubes: EN10219-1/2.
Hot dip galvanization: EN 40.
Electrolytic galvanization: EN12329.

Standardni podupirači

■ Opis

Pogodan za sve vrste podupiranja.
Praktičan, ekonomski isplativ i elastičan.
Različiti tipovi i dimenzije zadovoljavaju
sve vaše potrebe.

■ Proizvodne karakteristike

Metalne cijevi karakteristika S235J.
Unutrašnja cijev Ø48,3 mm.
Vanjska cijev Ø 56 mm.
Ø osigurača 12 mm.
Navrtka Ø 12 mm.
Podloška.
Fino podešavanje navrtke.
Dužina navrtke 135 mm.
Ne povređuje ruke.
Patentirana blokada klizanja unutrašnje
cijevi.

■ Fino obrađivanje

Farbanje potapanjem:
Crvena RAL 3009.
Elektrolitičko hladno cinčano ili duboko
toplo cinčano.

■ Predloženi standardi

Proizvodnja: DPR 164/56 Art. 7.
Cijevi: EN10219-1/2.
Toplo (duboko) cinčanje: EN 40.
Elektrolitičko cinčanje: EN12329.

Puntelli telescopici standard

Standard telescopic props

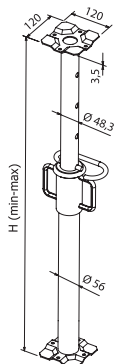
Standardni podupirači

PB Series

Puntello a piastra bombata

Prop with grooved plate

Podupirač sa bigovanom pločicom



- Gancio Ø 12 mm
- Maniglie del manicotto Ø 12 mm
- Rondella bombata
- Dispositivo di regolazione fine a manicotto
- Lunghezza manicotto 135 mm
- Verniciatura per immersione
- Pacchi da 50 pezzi

- Pin Ø 12 mm
- Sleeve's handles Ø 12 mm
- Grooved washer
- Fine adjustment with steel sleeve
- Sleeve's length 135 mm
- Immersion painting
- Packages of 50 pieces

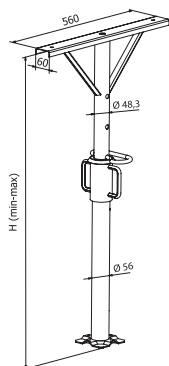
- Osigurač Ø 12 mm
- Navrtka Ø 12 mm
- Podloška
- Fino podešavanje navrtke
- Dužina navrtke 135 mm
- Potapajuće farbanje
- 50 komada u paketu

PC Series

Puntello a croce fissa

Prop with fixed cross

Podupirač sa krstastom glavom



- Gancio Ø 12 mm
- Maniglie del manicotto Ø 12 mm
- Rondella bombata
- Dispositivo di regolazione fine a manicotto
- Lunghezza manicotto 135 mm
- Verniciatura per immersione
- Pacchi da 100 pezzi con contenitore o da 25 pezzi

- Pin Ø 12 mm
- Sleeve's handles Ø 12 mm
- Grooved washer
- Fine adjustment with steel sleeve
- Sleeve's length 135 mm
- Immersion painting
- Packages of 25 or 100 pieces in metal container

- Osigurač Ø 12 mm
- Navrtka Ø 12 mm
- Podloška
- Fino podešavanje navrtke
- Dužina navrtke 135 mm
- Potapajuće farbanje
- Paket 25-100 primjeraka u metalnom kontejneru

Puntelli telescopici standard

Standard telescopic props

Standardni podupirači

Code		Extension (H) /m		Weight /Kg		* Loading capacity /kN (1 kN = 102 Kg)	
PB series	PC series	min	max	PB series	PC series	H min	H max
PB090		0,50	0,90	3,82		8,00	8,00
PB120	PC120	0,70	1,20	4,58	5,33	8,00	8,00
PB180	PC180	1,00	1,80	5,73	6,48	8,00	8,00
	PC250	1,50	2,50		7,98	8,00	8,00
PB290		1,60	2,90	7,82		9,67	8,92
PB320	PC320	1,80	3,20	8,45	9,20	10,70	5,03
PB360	PC360	2,00	3,60	9,25	10,00	9,54	5,70
PB400	PC400	2,20	4,00	10,63	11,38	10,17	5,89
PB450	PC450	2,50	4,50	11,91	12,66	10,19	5,30
PB500	PC500	3,00	5,00	13,27	14,00	9,44	3,60
PB550		3,00	5,50	15,00		9,44	2,40

* In tabella si riportano le capacità di carico ottenute tramite prove sperimentali e di calcolo.
Coefficiente di sicurezza considerato = 3.

* In the table above we outline the real loading capacity obtained through experimental and calculation tests.
Considered safety factor = 3.

* U tabeli izdvajamo stvarnu vrijednost nosivosti dobijenu na osnovu testiranja i kalkulacija. Faktor sigurnosti koji se podrazumjeva = 3.

Puntelli telescopici standard

Standard telescopic props

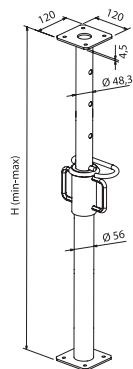
Standardni podupirači

PP Series

Puntello a piastra piana

Prop with flat plate

Podupirač sa ravnom pločom



- Gancio Ø 12 mm
- Maniglie del manicotto Ø 12 mm
- Rondella bombata
- Dispositivo di regolazione fine a manicotto
- Lunghezza manicotto 135 mm
- Verniciatura per immersione / Zincatura a caldo / Zincatura elettrolitica
- Pacchi da 50 pezzi

- Pin Ø 12 mm
- Sleeve's handles Ø 12 mm
- Grooved washer
- Fine adjustment with steel sleeve or with external thread
- Sleeve's length 135 mm
- Immersion painting / Hot dip galvanization / Electrolytic galvanization
- Packages of 50 pieces

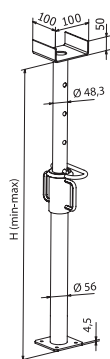
- Osigurač Ø 12mm
- Navrtka Ø 12mm
- Podloška
- Fino podešavanje navrtke ili sa spoljnom navrtkom
- Dužina navrtke 135 mm
- Potapajuće farbanje/ Toplo (duboko) cinčanje/ Elektrolitičko cinčanje
- 50 komada u paketu

PU Series

Puntello a forcella

Prop with fork

Podupirač sa viljuškom



- Gancio Ø 12 mm
- Maniglie del manicotto Ø 12 mm
- Rondella bombata
- Dispositivo di regolazione fine a manicotto
- Lunghezza manicotto 135 mm
- Verniciatura per immersione
- Pacchi da 50 pezzi

- Pin Ø 12 mm
- Sleeve's handles Ø 12 mm
- Grooved washer
- Fine adjustment with steel sleeve
- Sleeve's length 135 mm
- Immersion painting
- Packages of 50 pieces

- Osigurač Ø 12mm
- Navrtka Ø 12mm
- Podloška
- Fino podešavanje navrtke
- Dužina navrtke 135mm
- Potapajuće farbanje
- 50 komada u paketu

Puntelli telescopici standard

Standard telescopic props

Standardni podupirači

Code		Extension (H) /m		Weight /Kg		* Loading capacity /kN (1 kN = 102 Kg)	
PP series	PU series	min	max	PP series	PU series	H min	H max
PP040		0,25	0,40	3,21		8,00	8,00
PP090	PU090	0,50	0,90	4,11	4,24	8,00	8,00
PP120	PU120	0,70	1,20	4,88	5,00	8,00	8,00
PP180	PU180	1,00	1,80	6,03	6,16	8,00	8,00
PP290	PU290	1,60	2,90	8,12	8,25	9,67	8,92
PP300		1,60	3,00	8,32		9,97	8,24
PP320	PU320	1,80	3,20	8,75	8,88	10,70	5,03
PP360	PU360	2,00	3,60	9,55	9,68	9,54	5,70
PP400	PU400	2,20	4,00	10,93	11,10	10,17	5,89
PP420	PU420	2,20	4,20	11,25	11,40	10,17	4,50
PP450	PU450	2,50	4,50	12,21	13,00	10,19	5,30
PP500	PU500	3,00	5,00	13,57	13,70	9,44	3,60
PP550		3,00	5,50	15,30		9,44	2,40

* In tabella si riportano le capacità di carico ottenute tramite prove sperimentali e di calcolo.
Coefficiente di sicurezza considerato = 3.

* In the table above we outline the real loading capacity obtained through experimental and calculation tests.
Considered safety factor = 3.

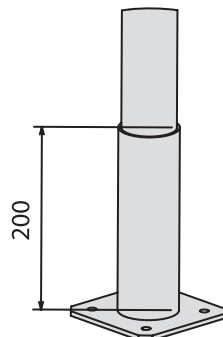
* U tabeli izdajamo stvarnu vrijednost nosivosti dobijenu na osnovu testiranja i kalkulacija. Faktor sigurnosti koji se podrazumjeva = 3.

Optionals



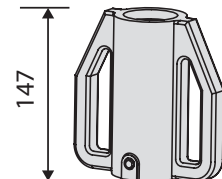
Code: _R

- Rinforzo di base
- Reinforced base
- Ojačana baza



Code: PG

- Manicotto di ghisa
- Cast iron sleeve
- Livena spojnica





Puntelli telescopici ad alta portata

■ Descrizione

Adatti per ogni tipo di puntellazione.
Vasta gamma di tipologie e di portata per soddisfare le esigenze di qualsiasi cantiere.

■ Caratteristiche costruttive

Tubi in acciaio da S235JR a S355JR.
Tubo interno $\varnothing$ 48,3, 62 o 76 mm.
Tubo esterno $\varnothing$ 57, 60, 76 o 89 mm.
 $\varnothing$ gancio da 14 a 16 mm.
Anticesoiamento per la mano.
Antisfilamento brevettato.

■ Finiture

Verniciatura per immersione di colore:
Rosso RAL 3009.
Zincatura elettrolitica o a caldo.

■ Norme di riferimento

Produzione: EN 1065 - ANSI/SSFI SH300-2007.
Tubi: EN10219-1/2.
Zincatura a caldo: EN 40.
Zincatura elettrolitica: EN12329.

Standard telescopic props

■ Description

Suitable for all types of shoring.
Wide range of types and loading capacities to suit every type of work

■ Construction features

Tubes in steel grade from S235JR to S355JR.
Internal tube $\varnothing$ 48,3, 62 or 76 mm.
External tube $\varnothing$ 57, 60, 76 or 89 mm.
 $\varnothing$ of the pin from 14 to 16 mm.
No crushing of the hand.
Patented inner tube stop.

■ Finishes

Immersion painting in:
Red colour RAL 3009.
Electrolytic or hot dip galvanization.

■ Reference standards

Production: EN 1065 - ANSI/SSFI SH300-2007.
Tubes: EN10219-1/2.
Hot dip galvanization: EN 40.
Electrolytic galvanization: EN12329.

Teški podupirači

■ Proizvodne karakteristike

Pogodan za sve vrste podupiranja.
Praktičan, ekonomski isplativ i elastičan.
Različiti tipovi i dimenzije zadovoljavaju sve vaše potrebe.

■ Proizvodne karakteristike

Metalne cijevi karakteristika od S235JR do S355JR
Unutrašnja cijev $\varnothing$ 48,3 mm
Vanjska cijev $\varnothing$ 56 mm
 $\varnothing$ osigurača 12mm
Navrtka $\varnothing$ 12mm
Podloška
Fino podešavanje navrtke
Dužina navrtke 135mm
Ne povređuje ruke
Patentirana blokada klizanja unutrašnje cijevi

■ Fino obrađivanje

Potapajući način farbanja:
Crvena RAL 3009.
Elektrolitičko ili toplo (duboko) cinčanje.

■ Predloženi standardi

Proizvodnja: EN 1065 – ANSI/SSFI SH300-2007.
Cijevi: EN10219-1/2.
Toplo (duboko) cinčanje: EN 40.
Elektrolitičko cinčanje: EN12329.

Puntello EN 1065 classe A

Prop EN 1065 class A

Podupirac EN 1065 klase A



- Gancio ø 14 mm
- Maniglie del manicotto ø 12 mm, maniglia della ghiera ø 16 mm
- Rondella piana da 5 mm
- Dispositivo di regolazione fine a manicotto o a ghiera esterna
- Lunghezza manicotto 150 mm
- Verniciatura per immersione / Zincatura a caldo / Zincatura elettrolitica
- Pacchi da 50 pezzi

- Pin ø 14 mm
- Sleeve's handles ø 12 mm, external thread's handle ø 16 mm
- Level washer of 5 mm
- Fine adjustment with steel sleeve or with external thread
- Sleeve's length 150 mm
- Immersion painting / Hot dip galvanization / Electrolytic galvanization
- Packages of 50 pieces

- Osigurač Ø 14 mm
- Navrtka Ø 12 mm, vanjska navrtka Ø 16 mm
- Podloška Ø 5 mm
- Fino podešavanje navrtke ili sa spoljnom navrtkom
- Dužina navrtke 150 mm
- Potapajuće farbanje/ Toplo (duboko) cinčanje/ Elektrolitičko cinčanje
- 50 komada u paketu

Optionals



Code: **_R**

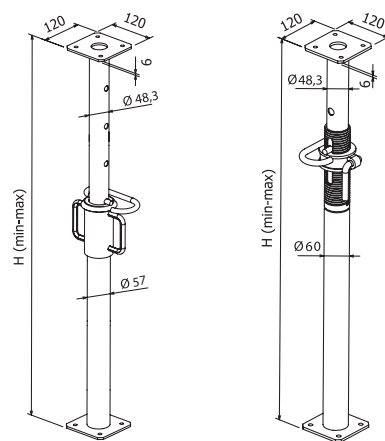
- Rinforzo di base
- Reinforced base
- Ojačana baza

Code: **AG**

- Manicotto di ghisa /solo per cod 1
- Cast iron sleeve /Only for code 1
- Livena spojnica /Samo za šifru 1

Code: **_NL**

- Forcella tipo NL /solo per cod 1
- Fork type NL
- Tip viljuške NL



Code		Extension (H) /m		Weight /Kg		*Loading capacity /kN (1 kN = 102 Kg)			
1	2	min	max	Code 1	Code 2	EN 1065 dispositions		Iron Products	
						H min	H max	H min	H max
A25	A25E	1,55	2,50	11,02	12,25	25,88	12,00	31,72	24,59
A30	A30E	1,81	3,00	12,58	13,80	25,88	10,00	31,72	17,58
A35	A35E	2,11	3,50	14,02	15,44	23,81	8,57	31,72	13,13
A40	A40E	2,31	4,00	15,53	17,00	22,68	7,50	30,88	10,85
A45	A45E	2,52	4,50	16,67	18,79	19,97	6,67	25,05	8,81
A50	A50E	2,82	5,00	18,15	20,65	17,84	6,00	20,50	7,01
A55	A55E	3,12	5,50	19,75	22,08	16,11	5,45	17,11	5,77
A60	A60E	3,41	6,00	21,61	24,01	14,69	5,00	14,69	5,03

* In tabella si riportano sia le capacità di carico imposte dalla norma EN1065, sia quelle ottenute tramite un codice di calcolo simulando il carico a compressione semplice (Iron Products).

* In the table above we outline the difference between the EN1065 norm loading capacity and the real loading capacity, obtained during products' laboratory testing (Iron Products).

* U tabeli izdvajamo razlike između norme nosivosti podupirača serije EN1065 i rezultate nosivosti podupirača dobijene na testiranjima naših proizvoda (Iron Products).

Puntello EN 1065 classe B

Prop EN 1065 class B

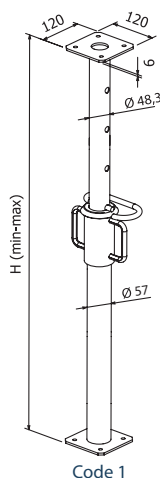
Étai série EN 1065 classe B



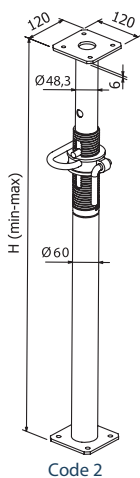
- Gancio Ø 14 mm
- Maniglie del manicotto Ø 12 mm, maniglia della ghiera Ø 16 mm
- Rondella piana da 5 mm
- Dispositivo di regolazione fine a manicotto o a ghiera esterna
- Lunghezza manicotto 150 mm
- Verniciatura per immersione / Zincatura a caldo / Zincatura elettrolitica
- Pacchi da 50 pezzi

- Pin Ø 14 mm
- Sleeve's handles Ø 12 mm, external thread's handle Ø 16 mm
- Level washer of 5 mm
- Fine adjustment with steel sleeve or with external thread
- Sleeve's length 150 mm
- Immersion painting / Hot dip galvanization / Electrolytic galvanization
- Packages of 50 pieces

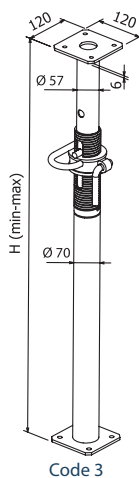
- Osigurač Ø 14 mm
- Navrtka Ø 12 mm, vanjska navrtka Ø 16 mm
- Podloška Ø 5 mm
- Fino podešavanje navrtke ili sa spoljnom navrtkom
- Dužina navrtke 150 mm
- Potapajuće farbanje/ Toplo (duboko) cinčanje/ Elektrolitičko cinčanje
- 50 komada u paketu



Code 1



Code 2



Code 3

Optionals



Code: **_R**

- Rinforzo di base
- Reinforced base
- Ojačana baza

Code: **AG**

- Manicotto di ghisa /solo per cod 1
- Cast iron sleeve /Only for code 1
- Livena spojnica /Samo za šifru 1

Code: **_NL**

- Forcella tipo NL /solo per cod 1
- Fork type NL
- Tip viljuške NL

Code			Extension (H) /m		Weight /Kg			* Loading capacity /kN (1 kN = 102 Kg)			
1	2	3	H min	H max	1	2	3	EN 1065 dispositions		Iron Products	
								H min	H max	H min	H max
B25	B25E		1,55	2,50	12,08	13,31		30,00	16,00	39,12	31,09
B30	B30E		1,81	3,00	13,82	15,24		30,00	13,33	39,12	22,67
B35	B35E		2,11	3,50	15,43	17,12		30,00	11,43	39,12	16,81
B40	B40E		2,31	4,00	18,66	20,28		30,00	10,00	39,12	14,99
	B50E		3,00	5,00		24,18		22,22	8,00	22,22	12,72

* In tabella si riportano sia le capacità di carico imposte dalla norma EN1065, sia quelle ottenute tramite un codice di calcolo simulando il carico a compressione semplice (Iron Products).

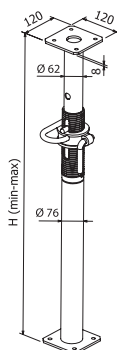
* In the table above we outline the difference between the EN1065 norm loading capacity and the real loading capacity, obtained during products' laboratory testing (Iron Products).

* U tabeli izdvajamo razlike između norme nosivosti podupirača serije EN1065 i rezultate nosivosti podupirača dobijene na testiranjima naših proizvoda (Iron Products)

Puntello EN 1065 classe C

Prop EN 1065 class C

Podupirač EN 1065 klase C

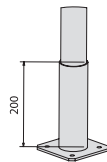


- Gancio Ø 14 mm - Maniglia della ghiera Ø 16 mm
Dispositivo di regolazione a ghiera esterna
Verniciatura per immersione / Zincatura a caldo / Zincatura elettrolitica
Pacchi da 50 pezzi

- Pin Ø 14 mm - External thread's handle Ø 16 mm
Fine adjustment with external thread
Immersion painting / Hot dip galvanization / Electrolytic galvanization
Packages of 50 pieces

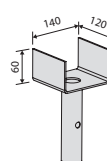
- Osigurač Ø 14 mm - Spoljna navrtka Ø 16 mm
Lagano podešavanje sa spoljnom navrtkom
Potapajuće farbanje/ Toplo (duboko) cinčanje/ Elektrolitičko cinčanje
50 komada u paketu

Optionals



Code: **_R**

- Rinforzo di base
- Reinforced base
- Ojačana baza



Code: **_NL**

- Manicotto di ghisa /solo per cod 1
- Cast iron sleeve /Only for code 1
- Livena spojnica /Samo za šifru 1

Code	Extension (H) /m		Weight /Kg	* Loading capacity /kN (1 kN = 102 Kg)			
	min	max		EN 1065 dispositions		Iron Products	
				H min	H max	H min	H max
C45E	2,60	4,50	24,65	35,00	13,33	40,98	19,30
C50E	2,80	5,00	28,00	35,00	12,00	44,14	16,73
C55E	3,30	5,50	31.81	30.30	10.91	40,61	15,25

* In tabella si riportano sia le capacità di carico imposte dalla norma EN1065, sia quelle ottenute tramite un codice di calcolo simulando il carico a compressione semplice (Iron Products).

* In the table above we outline the difference between the EN1065 norm loading capacity and the real loading capacity, obtained during products' laboratory testing (Iron Products).

* U tabeli izdvajamo razlike između norme nosivosti podupirača serije EN1065 i rezultate nosivosti podupirača dobijene na testiranjima naših proizvoda (Iron Products).

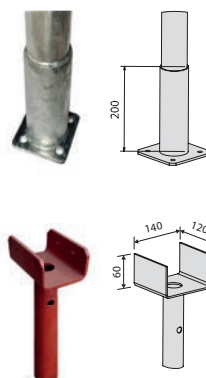
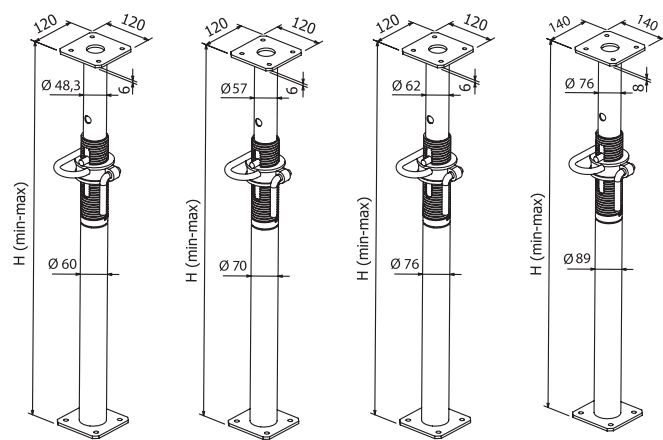
Puntello EN 1065 classe D

Prop EN 1065 class D

Podupirač EN 1065 klase D



- Gancio Ø 14 / 16 mm
Maniglia della ghiera Ø 16 mm
Dispositivo di regolazione a ghiera esterna
Verniciatura per immersione / Zincatura a caldo / Zincatura elettrolitica
Pacchi: Cod. BD = 50 pz
Cod. CD = 36 pz
- Pin Ø 14 / 16 mm
External thread's handle Ø 16 mm
Fine adjustment with external thread
Immersion painting / Hot dip galvanization / Electrolytic galvanization
Packages: Code BD = 50 pcs
Code CD = 36 pcs
- Osigurač Ø 14 / 16 mm
Spoljna navrtka Ø 16 mm
Lagano podešavanje sa spolnom navrtkom
Potapajuće farbanje/ Toplo (duboko) cinčanje/ Elektrolitičko cinčanje
Paketi: 50 komada u paketu – SIFRA BD
36 komada u paketu SIFRA CD



Code: **_R**

- Rinforzo di base/Non per cod. 4
- Reinforced base/Not for code 4
- Ojačana baza

Code: **_NL**

- Forcella tipo NL
- Fork type NL
- Tip viljuške NL

Code				Extension (H) /m		Weight /Kg				* Loading capacity /kN (1 kN = 102 Kg)			
1	2	3	4	min	max	1	2	3	4	EN 1065 dispositions		Iron Products	
BD25E				1,51	2,50	13,41				H min	H max	H min	H max
BD30E				1,80	3,00	16,42				30,00	20,00	39,12	30,15
BD35E				2,00	3,50	19,56				30,00	20,00	39,12	28,33
BD40E				2,30	4,00	23,54				30,00	20,00	39,12	26,78
CD45E				2,70	4,50	28,91				35,00	20,00	40,98	36,01
CD50E				3,00	5,00	31,41				33,33	20,00	40,98	29,50
CD55E				3,10	5,50	36,87				34,34	20,00	40,98	24,45

* In tabella si riportano sia le capacità di carico imposte dalla norma EN1065, sia quelle ottenute tramite un codice di calcolo simulando il carico a compressione semplice (Iron Products).

* In the table above we outline the difference between the EN1065 norm loading capacity and the real loading capacity, obtained during products' laboratory testing (Iron Products).

* U tabeli izdvajamo razlike između norme nosivosti podupirača serije EN1065 i rezultate nosivosti podupirača dobijene na testiranjima naših proizvoda (Iron Products).

Puntello EN 1065 classe E

Prop EN 1065 class E

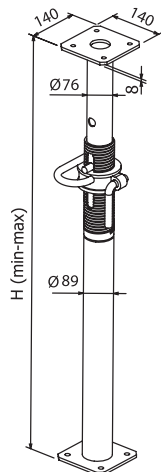
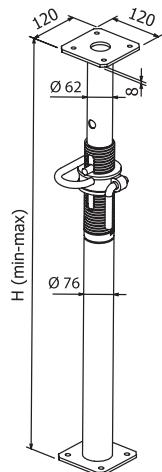
Podupirač EN 1065 klase E



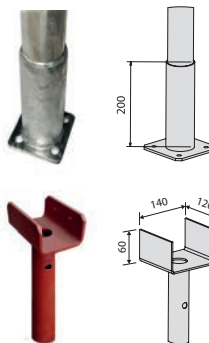
- Gancio Ø 16 mm
Maniglia della ghiera Ø 16 mm
Dispositivo di regolazione a ghiera esterna
Verniciatura per immersione / Zincatura a caldo / Zincatura elettrolitica
Pacchi: Cod. E30E - E35E = 50 pz
Cod. E40E - E45E = 36 pz

- Pin Ø 16 mm
External thread's handle Ø 16 mm
Fine adjustment with external thread
Immersion painting / Hot dip galvanization / Electrolytic galvanization
Packages: Codes E30E - E35E = 50 pcs
Codes E40E - E45E = 36 pcs

- Osigurač Ø 16 mm
Vanjska navrtka Ø 16 mm
Lagano podešavanje sa spoljnom navrtkom
Potapajuće farbanje/ Toplo (duboko) cinčanje/ Elektrolitičko cinčanje
Paketi: 50 komada u paketu - SIFRA E30E - E35E
36 komada u paketu - SIFRA E40E - E45Es



Optionals



Code: R

- Rinforzo di base/Solo per cod. 1
- Reinforced base/Only for code 1
- Ojačana baza /Samo za šifru 1

Code: NL

- Forcella tipo NL
- Fork type NL
- Tip viljuške NL

Code		Extension (H) /m		Weight /Kg		* Loading capacity /kN (1 kN = 102 Kg)			
1	2	min	max	Code 1	Code 2	EN 1065 dispositions		Iron Products	
						H min	H max	H min	H max
E30E		1,90	3,00	19,38		30,00	30,00	47,29	46,73
E35E		2,20	3,50	25,11		30,00	30,00	51,09	40,09
	E40E	2,50	4,00		26,23	30,00	30,00	40,98	40,98
	E45E	2,60	4,50		31,48	30,00	30,00	47,29	40,78

* In tabella si riportano sia le capacità di carico imposte dalla norma EN1065, sia quelle ottenute tramite un codice di calcolo simulando il carico a compressione semplice (Iron Products).

* In the table above we outline the difference between the EN1065 norm loading capacity and the real loading capacity, obtained during products' laboratory testing (Iron Products).

* U tabeli izdvajamo razlike između norme nosivosti podupirača serije EN1065 i rezultate nosivosti podupirača dobijene na testiranjima naših proizvoda (Iron Products).

L'ANTISFILAMENTO BREVETTATO CHE SI "SFILA"

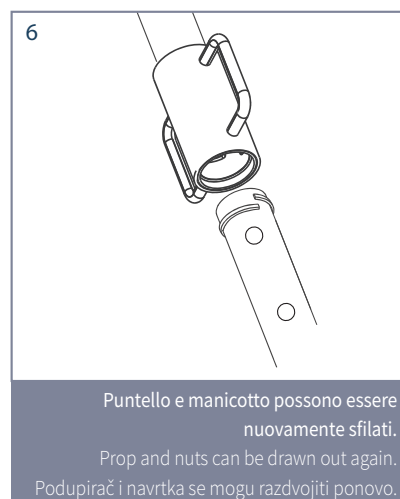
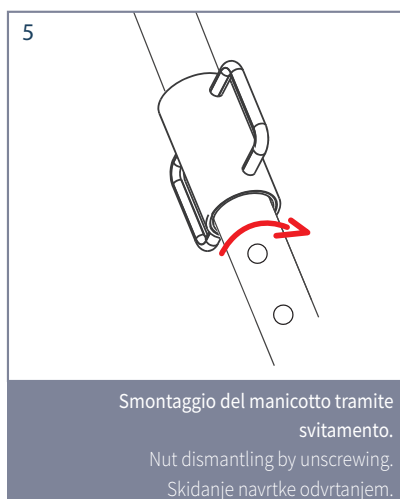
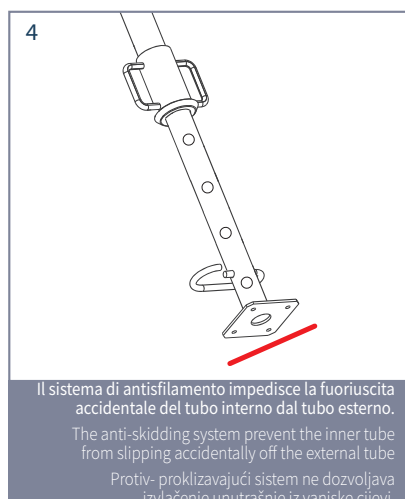
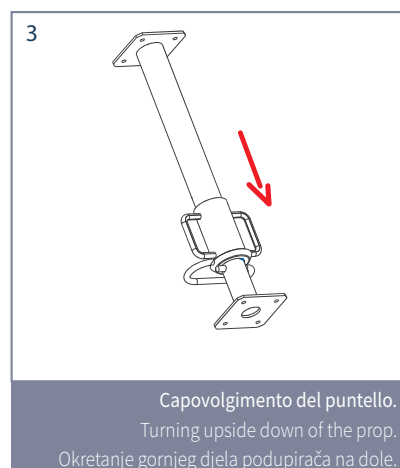
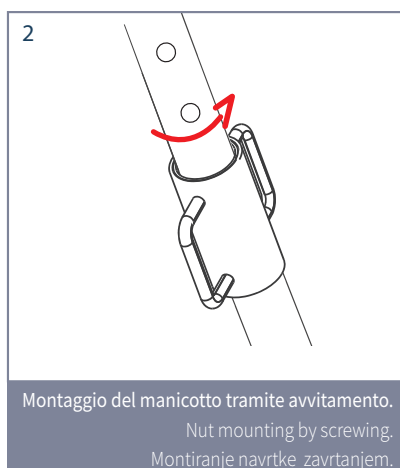
Rivoluzionario sistema di antisfilamento del tubo interno da quello esterno, applicabile a qualsiasi tipologia di puntello. L'antisfilamento incrementa notevolmente la sicurezza in cantiere, inoltre con il nostro sistema sarà possibile separare il tubo interno da quello esterno con una facile operazione di "svitamento", permettendole così di sostituire, qualora sia necessario, gancio e rondella o uno dei due tubi.

PATENTED ANTI-SKIDDING SYSTEM WHICH DRAWS OUT

A revolutionary anti-skidding system made to avoid the internal tube to slip off the external tube, applicable to all our props. The anti-skidding system increases the security in the building yard and, with our system, it is also possible to open the prop with one simple "unscrew" operation that allows the replacement of the hook or the washer or 1 of the tubes of the prop

PATENTIRANI PROTIV-PROKLIZAVAJUĆI SISTEMI SA IZVLAČENJEM

Revolucionarni protiv-proklizavajući sistemi su napravljeni da zadrže unutarnju cijev, da se ne izvuče iz vanjske, prilagodljiv svim tipovima naših podupirača. Protiv-proklizavajući sistem povećava sigurnost u okolini, gdje se izvode radovi, a sa ovim sistemom je, također moguće otvoriti podupirač jednostavnim odvrtanjem, koji dozvoljava promjenu osigurača, podloške ili jedne od cijevi podupirača





Puntelli telescopici tira e spingi

■ Descrizione

Adatti alla puntellazione di casseforme verticali.
Disponibili standard e ad alta portata.

■ Caratteristiche costruttive

Tubi in acciaio S235JR.
Tubo interno Ø 48,3 mm.
Tubo esterno Ø 56 o 57 mm.
Ø gancio da 12 a 14 mm.
Anticesoimento per la mano.
Antisfilamento brevettato.

■ Finiture

Verniciatura per immersione di colore Rosso RAL 3009, Blu RAL 5001.
Zincatura elettrolitica o a caldo.

■ Norme di riferimento

Produzione: DPR 164/56 Art. 7.
Tubi: EN10219-1/2.
Zincatura a caldo: EN 40.
Zincatura elettrolitica: EN12329.

Push and pull telescopic props

■ Description

Suitable for shoring of vertical formwork.
Available in standard version
and heavy duty version.

■ Construction features

Tubes in steel grade S235JR.
Internal tube Ø 48,3 mm.
External tube Ø 56 or 57 mm.
Ø of the pin from 12 to 14 mm.
No crushing of the hand.
Patented inner tube stop.

■ Finishes

Immersion painting in red colour
RAL 3009, Blue RAL 5001,
electrolytic or hot dip galvanization.

■ Reference standards

Production: DPR 164/56 Art. 7.
Tubes: EN10219-1/2.
Hot dip galvanization: EN 40.
Electrolytic galvanization: EN12329.

Kosi podupirač

■ Opis

Pogodan za podupiranje vertikalnih oplata.
Dostupan u standardnim dimenzijama i
dimenzijama teških podupirača na osnovu
zahtjeva.

■ Proizvodne karakteristike

Metalna cijev S235JR.
Unutrašnja cijev Ø 48,3 mm.
Vanjska cijev Ø 56 mm i 57 mm.
Ø osigurača 12mm do 14 mm.
Ne povređuje ruke.
Patentirano unutrašnje zaustavljanje.

■ Fino obrađivanje

Potapajući način farbanja:
Crvena RAL 3009
Plava RAL 5001
Elektrolitičko ili toplo (duboko) cinčanje

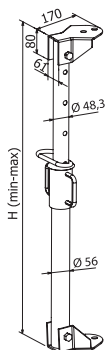
■ Predloženi standardi

Proizvodnja: DPR 164/56 Art. 7.
Cijevi: EN10219-1/2.
Toplo (duboko) cinčanje: EN 40.
Elektrolitičko cinčanje: EN12329.

Puntello tira e spingi standard

Standard push and pull prop

Standardni kosi podupirač



- Gancio $\varnothing$ 12 mm
- Maniglie del manicotto $\varnothing$ 12 mm
- Dispositivo di regolazione fine a manicotto
- Lunghezza manicotto 135 mm
- Verniciatura per immersione / Zincatura a caldo / Zincatura elettrolitica
- Pacchi da 50 pezzi

- Pin $\varnothing$ 12 mm
- Sleeve's handles $\varnothing$ 12 mm
- Fine adjustment with steel sleeve
- Sleeve's length 135 mm
- Immersion painting / Hot dip galvanization / Electrolytic galvanization
- Packages of 50 pieces

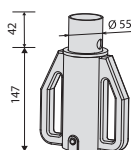
- Osigurač $\varnothing$ 12 mm
- Navrtka $\varnothing$ 12 mm
- Podloška
- Fino podešavanje navrtke
- Dužina navrtke 135 mm
- Potapajuće farbanje
- Paketi 50 komada/toplo cinčanje ili elektrolitičko cinčanje

Optionals



Code: G

- Manicotto di ghisa
- Cast iron sleeve
- Livena spojnica



Code	Extension (H) /m		Weight /Kg	* Loading capacity / kN (1 kN = 102 Kg)		
	min	max		Compression		Traction
TIR180	1,00	1,80	7,95	8,00	8,00	15,00
TIR300	1,60	3,00	10,35	9,97	8,24	15,00
TIR360	2,00	3,60	11,75	9,54	5,70	15,00
TIR400	2,20	4,00	12,75	10,17	5,89	15,00
TIR450	2,50	4,50	13,85	10,19	5,30	15,00
TIR500	3,00	5,00	15,35	9,44	3,60	15,00
TIR550	3,00	5,50	15,85	9,44	2,40	15,00

* In tabella si riportano le capacità di carico ottenute tramite prove sperimentali con coefficiente di sicurezza = 3.

* In the table above we outline the real loading capacity obtained through experimental tests with safety factor = 3.

* U tabeli smo prikazali stvarne nosivosti dobijene na osnovu eksperimentalnih testova sa sigurnosnim faktorom = 3.

Puntelli telescopici tira e spingi

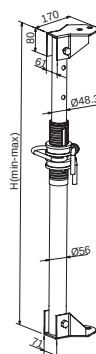
Push and pull telescopic props

Kosi podupirač

Puntello tira e spingi standard ad alta portata

Heavy duty push and pull prop

Teški kosi podupirač



■ Gancio ø 14 mm

Dispositivo di regolazione fine a ghiera esterna

Verniciatura per immersione / Zincatura a caldo / Zincatura elettrolitica

Pacchi da 50 pezzi

■ Pin ø 14 mm

Fine adjustment with external thread

Immersion painting / Hot dip galvanization / Electrolytic galvanization

Packages of 50 pieces

■ Osigurač ø 14 mm

Jednostavno namještanje sa navrtkom

Bojenje potapanjem / Toplo ili elektrolitičko cinčanje

50 komada u paketu

Code	Extension (H) / m		Weight /Kg	* Loading capacity / kN (1 kN = 102 Kg)		
	min	max		Compression		Traction
				H min	H max	
TIRE180	1,00	1,80	12,08	10,00	10,00	20,00
TIRE300	1,60	3,00	16,30	13,95	11,40	20,00
TIRE360	2,00	3,60	18,73	13,95	8,10	20,00
TIRE400	2,20	4,00	19,82	13,95	6,62	20,00
TIRE450	2,50	4,50	21,49	13,95	5,95	20,00
TIRE500	3,00	5,00	23,45	11,41	4,41	20,00
TIRE550	3,00	5,50	25,19	11,41	3,95	20,00

PONTEGGI

SCAFFOLDS

SKELE





Ponteggio a boccole FAST

■ Descrizione

Ponteggio a telai prefabbricati a boccole, costruito con materiali certificati e sotto stretto controllo qualitativo. La partenza stretta del nostro ponteggio è di soli 35 cm, garantendone così un semplice utilizzo anche negli spazi più angusti e nei vicoli più stretti. I terminali da 1 e 2 m hanno rinforzo inferiore con giunto e sono adatti a garantire la piena sicurezza dell'operatore.
Denominazione commerciale: FAST

■ Caratteristiche costruttive

Tubi in acciaio S235JR.
Compatibilità con ponteggio a tubo e giunti.
Carico massimo 300 daN/m2.
Gamma completa di accessori.

■ Finiture

Verniciatura per immersione di colore rosso RAL 3009, zincatura elettrolitica o a caldo.

■ Norme di riferimento

Autorizzazione ministeriale protocollo 22707/PR7-B103 del 03/08/1979.
Voltura protocollo 15/VI/0020851/14.03.01.03 del 19/12/2005.
Estensione Ministeriale protocollo 15/VI/7246/14.03.02.02 del 23/10/2006.
Certificato croato.
Tubi: EN10219-1/2.
Zincatura a caldo: EN 40.
Zincatura elettrolitica: EN12329.

Scaffold with bushings FAST

■ Description

Scaffolding with a prefabricated frame with bushings, made of certified materials and under the strictest quality control. Our narrow starting frame is only 35 cm wide and ensures an easy use even in the narrowest streets and spaces. Top guard rail elements of 1 and 2 m have inferior reinforcement with coupler to guarantee workers' total safety.
Commercial name: FAST.

■ Construction features

Tubes in steel grade S235JR.
Compatibility with tube-coupler scaffold.
Admitted load 300 daN/m2.
Complete range of accessories.

■ Construction features

Immersion painting in red colour RAL 3009, electrolytic or hot dip galvanization.

■ Reference standards

Italian Ministry authorization protocol 22707/PR7-B103 of 03/08/1979.
Turn to protocol 15/VI/0020851/14.03.01.03 of 19/12/2005.
Italian Ministry extension protocol 15/VI/7246/14.03.02.02 of 23/10/2006.
Croatian certificate.
Tubes: EN10219-1/2.
Hot dip galvanization: EN 40.
Electrolytic galvanization: EN12329.

Ramovska skela – Boccole FAST

■ Opis

Ramovska skele - Boccole pravljene od provjerenog materijala i pod konstantnim nadzorom kvaliteta rada. Najuži okvir naše skele je širine samo 35 centimetara i omogućuje jednostavnu upotrebu, čak i u najužim prostorima i ulicama. Nastavak skele dužine 1 m i 2 m ima unutrašnja ojačanja sa spojnica, što omogućuje radnicima maksimalnu sigurnost.
Komerijalni naziv: FAST

■ Proizvodne karakteristike

Metalna cijev S235JR.
Kompatibilne spojnice sa cijevima skela.
Dozvoljeno opterećenje 300 daN/m2.
Kompletna asortiman dodatne opreme.

■ Fino obrađivanje

Potapajuće farbanje crvenom bojom RAL 3009, toplo ili elektrolitičko cinčanje.

■ Predloženi standardi

Odobreno od strane Vlade Italije, protokol: 22707/PR7-B103 of 03/08/1979.
15/VI/0020851/14.03.01.03 of 19/12/2005.
Vlada Italije, dodatak, protokol 15/VI/7246/14.03.02.02 of 23/10/2006.
Hrvatski sertifikat
Cijev: EN10219-1/2.
Toplo cinčanje: EN 40.
Elektrolitičko cinčanje: EN12329.

Ponteggio a boccole FAST

Scaffold with bushings FAST

Skela sa cijevima i spojnicama FAST

Ponteggio a boccole FAST

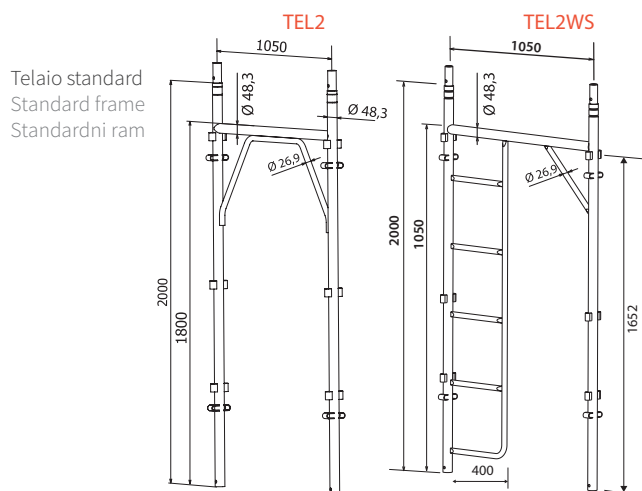
Scaffold with bushings FAST
Ramovska skela – Boccole FAST



■ Altezza telaio standard: 2,00 m
Profondità telaio standard: 1,05 m
Altezza mezzo telaio: 1,24 m
Passo: 1,80 m
Profondità telaio partenza stretta: 0,35 m

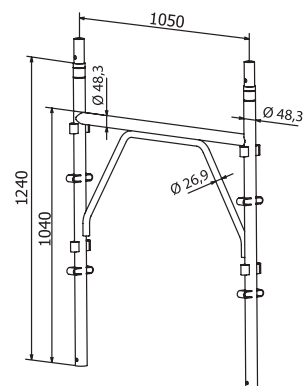
■ Height of the standard frame: 2,00 m
Width of the standard frame: 1,05 m
Height of the half frame: 1,24 m
Span: 1,80 m
Width of the narrow starting frame: 0,35 m

■ Visina standardnog rama: 2,00 m
Širina standardnog rama: 1,05 m
Visina polu-rama: 1,24 m
Raspon: 1,80 m
Širina uskog početnog rama: 0,35 m



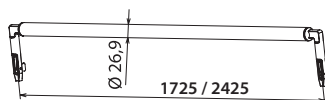
Code	pcs /Pack (CONT1 - page 102)	Weight /Kg
TEL2	50	19,06
TEL2WS	38	22,70

Mezzo telaio
Half frame
Polu-ram



Code	Pack	Weight /Kg
TEL2M	Libera - Free -Slobodan izbor	14,56

Corrente
Horizontal brace
Horizontalna prečka



Code	pcs /Pack	Weight /Kg
CORR2	100	2,30
CORR2_250	100	3,30

Diagonale di facciata
Diagonal brace
Dijagonalna cijev



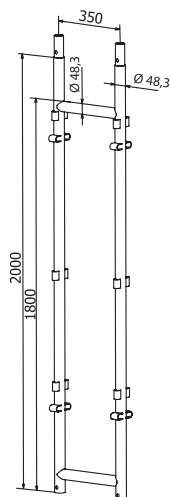
Code	pcs /Pack	Weight /Kg
DIAG2	100	2,90
DIAG2_250	100	3,80

Ponteggio a boccole FAST

Scaffold with bushings FAST

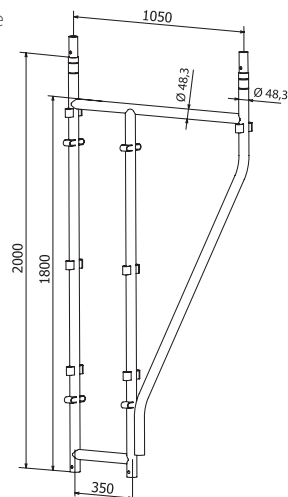
Ramovska skela - Boccole FAST

Telaio partenza stretta inferiore
Narrow starting frame - lower element
Uski početni ram - donji element



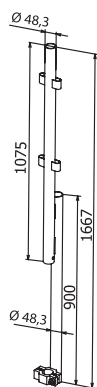
Code	Pack	Weight /Kg
TEL2SI	Libera - Free - Libre	17,60

Telaio partenza stretta superiore
Narrow starting frame
upper element
Uski početni ram
gornji element



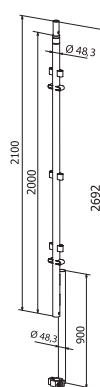
Code	Pack	Weight /Kg
TEL2SS	Libera - Free - Libre	25,90

Terminale con giunto da 1 m
Top guard rail element of 1 m with coupler
Nastavak skele 1 m sa spojnicom



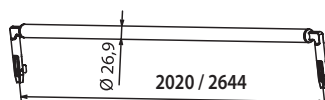
Code	pcs /Pack	Weight /Kg
TER1B	20	6,77

Terminale con giunto da 2 m
Top guard rail element of 2 m
with coupler
Nastavak skele 2 m sa spojnicom



Code	pcs /Pack	Weight /Kg
TER2B	20	10,65

Diagonale in pianta
Plant view diagonal brace
Dijagonalna cijev



Code	pcs /Pack	Weight /Kg
DIAG3	100	2,70
DIAG 3_250	100	3,70

Ponteggio a boccole FAST

Scaffold with bushings FAST

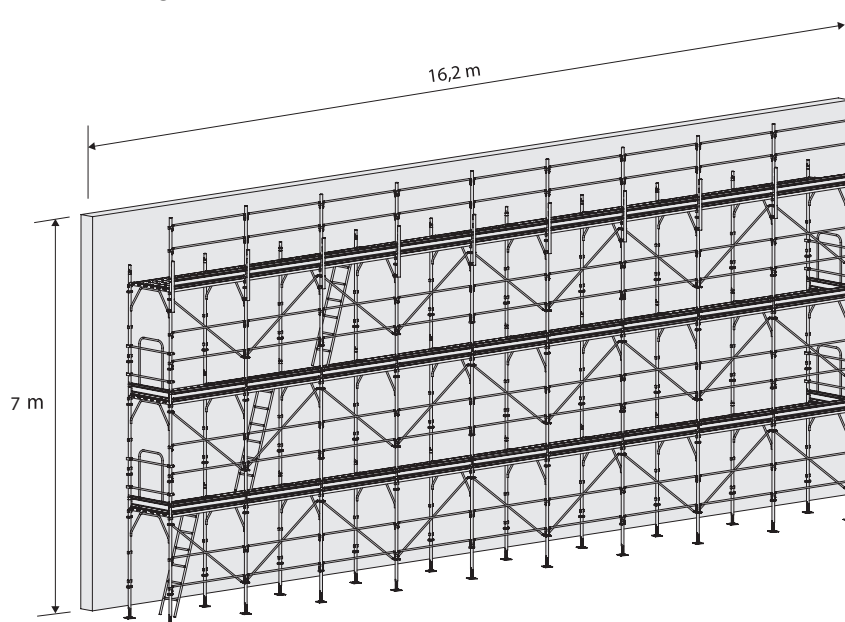
Skela sa cijevima i spojnicama FAST

Esempio Example Primjer

Facciata di 113,40 m² con ponteggio a boccole fast in configurazione correnti e diagonali con protezione superiore.

Necessary elements for 113,40 m² of scaffold with bushings C.P.1 fast in horizontal and diagonal brace configuration with top guard rail element.

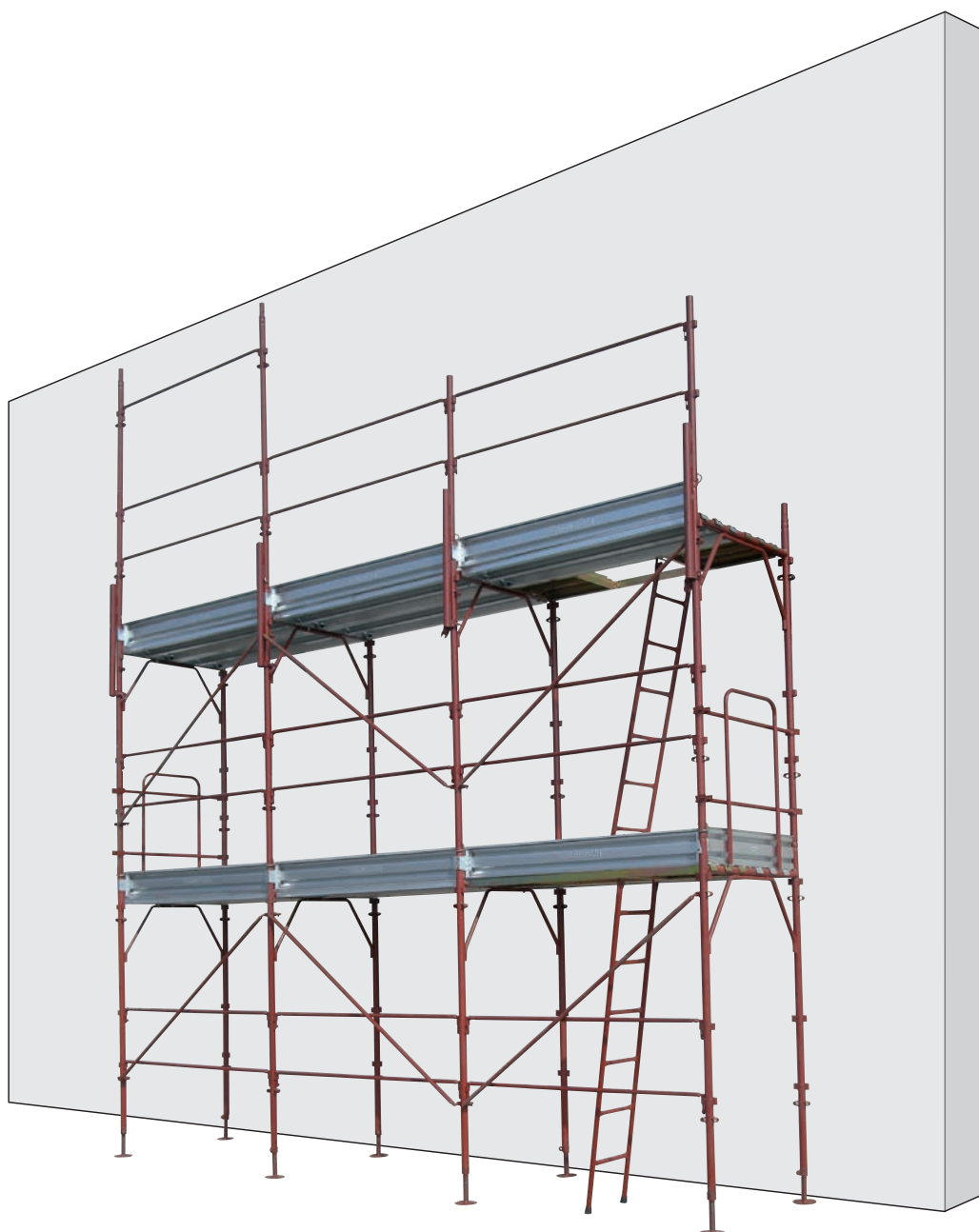
Neophodni elementi za 113, 40 m² ramovske skele – Boccole C.P.1 uz konfiguraciju horizontalnih i dijagonalnih cijevi sa elementima ograde.



Elementi necessari Necessary elements Neophodni elementi

Quantity	Code	Description
30	TEL2	Telaio standard a boccole Standard frame with bushings Standardni ram
72	CORR2	Correnti Horizontal brace Prečka
27	DIAG2	Diagonale di facciata Diagonal brace Dijagonala
20	BASEXXX o - or - ou BASEQXXX_ZE	Base semplice-regolabile tonda o quadrata Fixed or adjustable round or squared base Fiksna ili podesiva okrugla ili kvadratna stopa
4	CANTES	Cancelletto di testata Double lateral guard rail Dupla bočna ograda
40	SP_VERME	Spina a verme zincata Galvanized pin for scaffold Pocinčani osigurač za skelu
51	TAV50-180	Tavola zincata Galvanized metal plank Pocinčana metalna podnica (gazište)

Quantity	Code	Description
3	TAVB50-180	Tavola zincata con botola Galvanized metal plank with trap door Pocinčana metalna podnica (gazište) sa otvorom
3	SCALE	Scala per tavola con botola Ladder for trap door plank Merdevine za gazišta s otvorom
10	TER1B	Terminale con giunto da 1 m Top guard rail element of 1 m with coupler Nastavak skele sa elementom od 1 m sa spojnicom
27	FER180	Fermapiede zincato di facciata Galvanized toe board lateral part Pocinčani čeoní štitnik
12	ANCOR_1_ZE o - or - ou ANCOR_2_ZE	Ancoraggio zincato Galvanized wall tie Pocinčana cijev za pričvršćivanje - Anker
12	GIUNIT-O_ZE o - or - ou GIUNEN-O_ZE	Giunto ortogonale stampato a 4 bulloni / EN74 Right-angle coupler with 4 bolts pressed / EN74 Pravougaona spojница
12	TAS_01 o - or - ou TAS_02	Tassello per cemento Concrete eye-bolt Prsten za anker





Ponteggio a perni SPEED

■ Descrizione

Ponteggio a telai prefabbricati a perni, costruito con materiali certificati e sotto stretto controllo qualitativo.

La partenza stretta del nostro ponteggio è di soli 35 cm, garantendone così un semplice utilizzo anche negli spazi più angusti e nei vicoli più stretti.

I terminali da 1 e 2 m hanno rinforzo inferiore con giunto e sono adatti a garantire la piena sicurezza dell'operatore.

Denominazione commerciale: SPEED.

■ Caratteristiche costruttive

Tubi in acciaio S235JR.
Compatibilità con ponteggio a tubo e giunti.
Carico massimo 300 daN/m2.
Gamma completa di accessori.

■ Finiture

Verniciatura per immersione di colore rosso RAL 3009, zincatura elettrolitica o a caldo.

■ Norme di riferimento

Autorizzazione ministeriale protocollo 22707/PR7-B103 del 03/08/1979.
Voltura protocollo 15/VI/0020849/14.03.01.03 del 19/12/2005.

Estensione Ministeriale protocollo 15/VI/7245/14.03.02.02 del 23/10/2006.
Certificato croato.

Tubi: EN10219-1/2.
Zincatura a caldo: EN 40.
Zincatura elettrolitica: EN12329.

Scaffold with quick locks SPEED

■ Description

Scaffolding with a prefabricated frame with quick locks, made of certified materials and under the strictest quality control.

Our narrow starting frame is only 35 cm wide and ensures an easy use even in the narrowest streets and spaces.

Top guard rail elements of 1 and 2 m have inferior reinforcement with coupler to guarantee workers' total safety.

Commercial name: SPEED.

■ Construction features

Tubes in steel grade S235JR.
Compatibility with tube-coupler scaffold.
Admitted load 300 daN/m2.
Complete range of accessories.

■ Construction features

Immersion painting in red colour RAL 3009, electrolytic or hot dip galvanization.

■ Reference standards

Italian Ministry authorization protocol 22707/PR7-B103 of 03/08/1979.
Turn to protocol 15/VI/0020849/14.03.01.03 of 19/12/2005.

Italian Ministry extension protocol 15/VI/7245/14.03.02.02 of 23/10/2006.
Croatian certificate.

Tubes: EN10219-1/2.
Hot dip galvanization: EN 40.
Electrolytic galvanization: EN12329.

Ramovska skela - Perni SPEED

■ Opis

Ramovska skela PERNI s opcijom brzog zaključavanja prečki i dijagonala, pravljena od provjerenog materijala i pod konstantnim nadzorom kvaliteta proizvodnje. Početni okvir naše skele je širine samo 35 centimetara i omogućuje jednostavnu upotrebu, čak i u najužim prostorima i ulicama. Nastavak skele dužine 1 m i 2 m ima unutrašnja ojačanja sa spojnica, što omogućuje radnicima maksimalnu sigurnost.
Komerijalni naziv: SPEED

■ Proizvodne karakteristike

Metalna cijev S235JR.
Kompatibilne spojnice sa cijevima skela.
Dozvoljeno opterećenje 300 daN/m2.
Kompletna asortiman dodatne opreme.

■ Fino obrađivanje

Potapajuće farbanje crvenom bojom RAL 3009, toplo ili elektrolitičko cinčanje.

■ Predloženi standardi

Odobreno od strane Vlade Italije (Ministarstva), protokol: 22707/PR7-B103 of 03/08/1979.
15/VI/0020851/14.03.01.03 od 19/12/2005.
Vlada Italije (Ministarstvo), dodatak, protokol 15/VI/7246/14.03.02.02 of 23/10/2006.
Hrvatski sertifikat.
Cijev: EN10219-1/2.
Toplo cinčanje: EN 40.
Elektrolitičko cinčanje: EN12329.

Ponteggio a perni SPEED

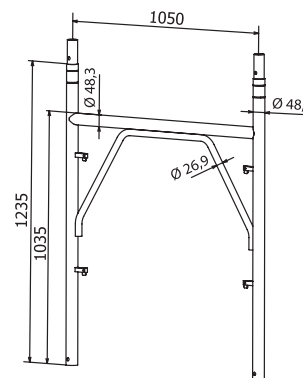
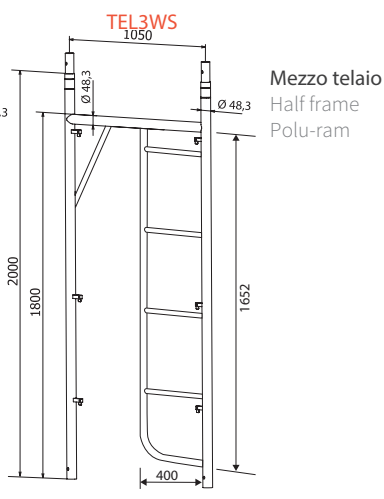
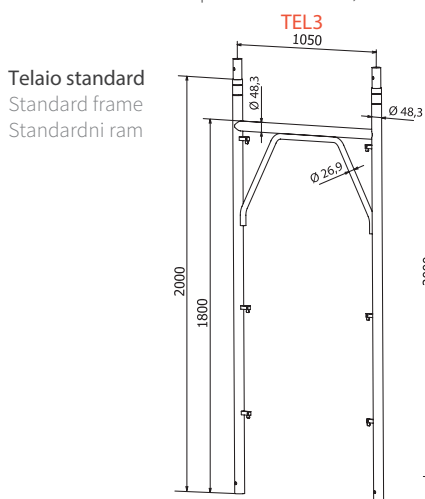
Scaffold with quick locks SPEED
Ramovska skela - Perni SPEED



■ Altezza telaio standard: 2,00 m
Profondità telaio standard: 1,05 m
Altezza mezzo telaio: 1,24 m
Passo: 1,80 m / 2,50 m (Passo da 2,50 m non omologato in Italia)
Profondità telaio partenza stretta: 0,35 m

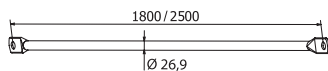
■ Height of the standard frame: 2,00 m
Width of the standard frame: 1,05 m
Height of the half frame: 1,24 m
Span: 1,80 m / 2,50 m
Width of the narrow starting frame: 0,35 m

■ Visina standardnog rama: 2,00 m
Širina standardnog rama: 1,05 m
Visina polu-rama: 1,24 m
Raspon: 1,80 m / 2,50 m
Širina uskog početno rama: 0,35 m



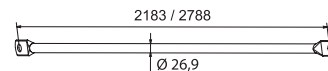
Code	pcs /Pack (CONT1 - page 102)	Weight /Kg
TEL3	24	18,30
* TEL3 WS	24	23,00

Corrente
Horizontal brace
Horizontalna prečka



Code	pcs /Pack	Weight /Kg
CORR3	100	2,20
CORR3_250	100	3,15

Diagonale di facciata
Diagonal brace
Dijagonalna cijev



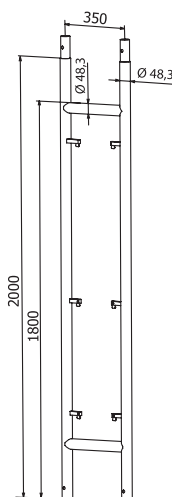
Code	pcs /Pack	Weight /Kg
DIAG4	100	2,80
DIAG4_250	100	3,50

Ponteggio a perni SPEED

Scaffold with quick locks SPEED

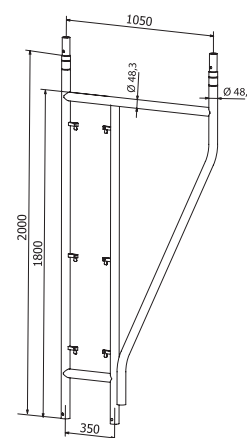
Ramovska skela - Perni SPEED

Telaio partenza stretta inferiore
Narrow starting frame - lower element
Uski početni ram - donji element



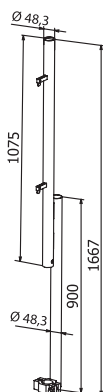
Code	Pack	Weight /Kg
TEL3SI	Libera - Free - Slobodan izbor	17,50

Telaio partenza stretta superiore
Narrow starting frame upper element
Uski početni ram gornji element



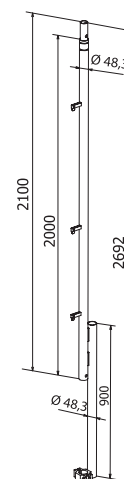
Code	Pack	Weight /Kg
TEL3SS	Libera - Free - Slobodan izbor	25,10

Terminale con giunto da 1 m
Top guard rail element of 1 m with coupler
Nastavak skele 1 m sa spojnicom



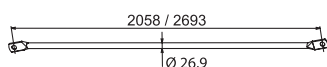
Code	pcs /Pack	Weight /Kg
TER1P	20	7,10

Terminale con giunto da 2 m
Top guard rail element of 2 m with coupler
Nastavak skele 2 m sa spojnicom



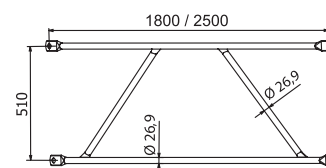
Code	pcs /Pack	Weight /Kg
TER2P	20	10,10

Diagonale in pianta
Plant view diagonal brace
Dijagonalna cijev



Code	pcs /Pack	Weight /Kg
DIAG5	100	2,70
DIAG5_250	100	3,40

Spondina di facciata
Double frontal guard rail
Zaštitna ograda



Code	pcs /Pack	Weight /Kg
SPTL3	25	7,70
SPTL3_250	25	10,00

Ponteggio a perni SPEED

Scaffold with quick locks SPEED

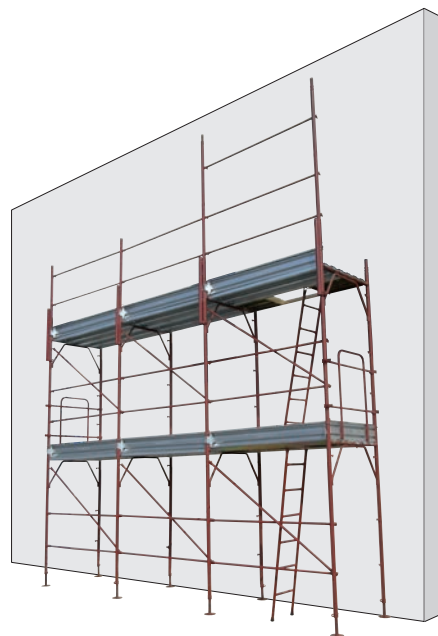
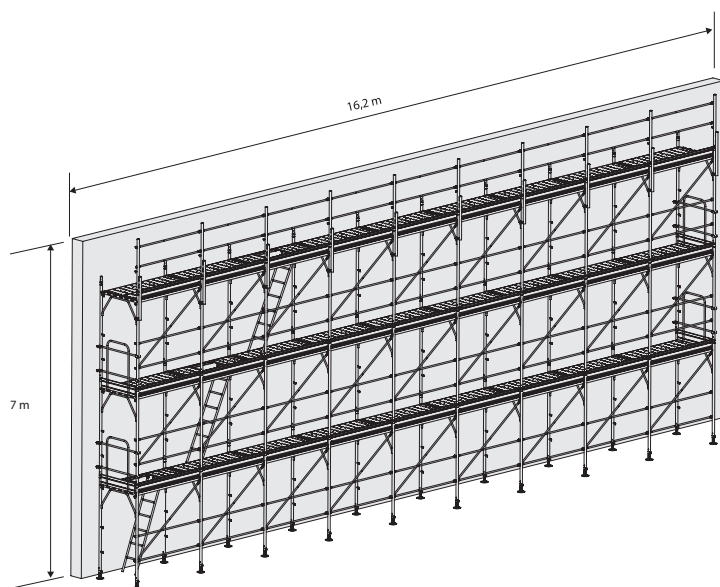
Ramovska skela - Perni SPEED

Esempio Example Primjer

Facciata di 113,40 m² con ponteggio a perni speed in configurazione **CORRENTI** e **DIAGONALI** con protezione superiore, 1,80 m.

Necessary elements for 113,40 m² of scaffold with quick locks c.p.1 speed in **HORIZONTAL** and **DIAGONAL** brace configuration with top guard rail element, span 1,80 m.

Neophodni elementi za 113, 40 m² ramovske skele - Perni C.P.1 uz konfiguraciju horizontalnih i dijagonalnih cijevi sa elementima ograde raspona 1.80 m.



Elementi necessari
Necessary elements
Neophodni elementi

Quantity	Code	Description
30	TEL3	Telaio standard a perni Standard frame with quick locks Standardni ram sa brzim zaključavanjem
72	CORR3	Corrente Horizontal brace Prečka
27	DIAG4	Diagonale di facciata Diagonal brace Dijagonala
20	BASEXXX o - or - ili BASEQXXX_ZE	Base semplice-regolabile tonda o quadrata Fixed or adjustable round or squared base Fiksna ili podesiva okrugla ili kvadratna stopa
4	CANTES	Cancelletto di testata Double lateral guard rail Dupla bočna ograda
40	SP_VERME	Spina a verme zincata Galvanized pin for scaffold Pocinčani osigurač za skelu
51	TAV50-180	Tavola zincata Galvanized metal plank Pocinčana metalna podnica (gazište)

Quantity	Code	Description
3	TAVB50-180	Tavola zincata con botola Galvanized metal plank with trap door Pocinčana metalna podnica (gazište) sa otvorom
3	SCALE	Scala per tavola con botola Ladder for trap door plank Merdevine za gazista s otvorom
10	TER1P	Terminale con giunto da 1 m Top guard rail element of 1 m with coupler Nastavak skele sa elementom od 1 m sa spojnicom
27	FER180	Fermapiade zincato di facciata Galvanized toe board lateral part Pocinčani čeon štitičnik
12	ANCOR_1_ZE o - or - ili ANCOR_2_ZE	Ancoraggio zincato Galvanized wall tie Pocinčana cijev za pričvršćivanje - Anker
12	GIUNIT-O_ZE o - or - ili GIUNEN-O_ZE	Giunto ortogonale stampato a 4 bulloni / EN74 Right-angle coupler with 4 bolts pressed / EN74 Pravougaona spojnica4
12	TAS_01 o - or - ili TAS_02	Tassello per cemento Concrete eye-bolt Prsten za anker

Ponteggio a perni SPEED

Scaffold with quick locks SPEED

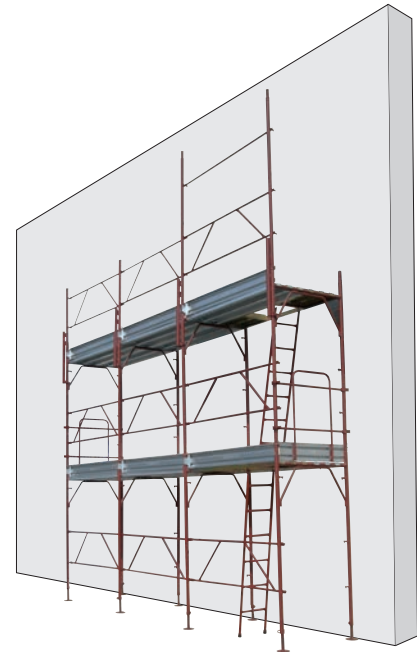
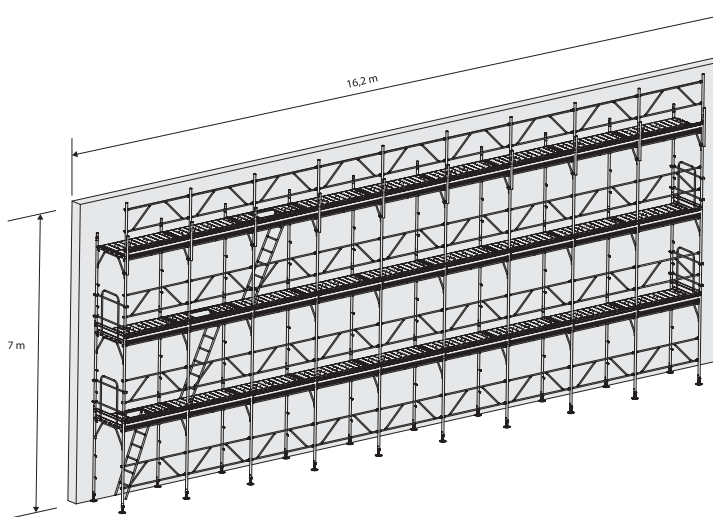
Ramovska skela - Perni SPEED

Esempio Example Primjer

Facciata di 113,40 m² con ponteggio a perni speed in configurazione a SPONDINE con protezione superiore, 1,80 m.

Necessary elements for 113,40 m² of scaffold with quick locks c.p.1 speed in double FRONTAL GUARD RAIL configuration with top guard rail element, span 1,80.

Neophodni elementi za 113,40 m² skele sa brzim zaključavanjem C.P. 1 u konfiguraciji prednje zaštitne ograde sa bočnom zaštitnom ogradom raspona 1,80.



Elementi necessari Necessary elements Neophodni elementi

Quantity	Code	Description
30	TEL3	Telaio standard a perni Standard frame with quick locks Standardni ram sa brzim zaključavanjem
36	SPTL3	Spondina di facciata Double frontal guard rail Zaštitna ograda
20	BASEXXX o - or - ili BASEQXXX_ZE	Base semplice-regolabile tonda o quadrata Fixed or adjustable round or squared base Fiksna ili podesiva okrugla ili kvadratna stopa
4	CANTES	Cancelletto di testata Double lateral guard rail Dupla bočna ograda
40	SP_VERME	Spina a verme zincata Galvanized pin for scaffold Pocinčani osigurač za skelu
51	TAV50-180	Tavola zincata Galvanized metal plank Pocinčana metalna podnica (gazište)
3	TAVB50-180	Tavola zincata con botola Galvanized metal plank with trap door Pocinčana metalna podnica (gazište) sa otvorom

Quantity	Code	Description
3	SCALE	Scala per tavola con botola Ladder for trap door plank Merdevine za gazista s otvorom
10	TER1P	Terminale con giunto da 1 m Top guard rail element of 1 m with coupler Nastavak skele sa elementom od 1 m sa spojnicom
27	FER180	Fermapiede zincato di facciata Galvanized toe board lateral part Pocinčani čeonni štitnik
12	ANCOR_1_ZE o - or - ili ANCOR_2_ZE	Ancoraggio zincato Galvanized wall tie Pocinčana cijev za pričvršćivanje - Anker
12	GIUNIT-O_ZE o - or - ili GIUNEN-O_ZE	Giunto ortogonale stampato a 4 bulloni / EN74 Right-angle coupler with 4 bolts pressed / EN74 Pravougaona spojnica
12	TAS_01 o - or - ili TAS_02	Tassello per cemento Concrete eye-bolt Prsten za anker



Ponteggio a tubo e giunti TG 180

■ Descrizione

Ponteggio a tubo e giunti, costruito con materiali certificati e sotto stretto controllo qualitativo.
Giunto ortogonale economico a 4 bulloni, completamente stampato a freddo e zincato.
Giunto ortogonale pesante a 2 bulloni e 2 martinetti, con nucleo stampato a caldo ed esterno stampato a freddo e zincato.
Giunto girevole a 2 bulloni e 2 martinetti, con nucleo stampato a caldo ed esterno stampato a freddo.
Marchio: C.P.1 e F.MET C.P.1.
Denominazione commerciale: TG 180

■ Caratteristiche costruttive

Acciaio S235JR.
Compatibilità con ponteggio a telai prefabbricati.
Carico massimo 300 daN/m2.

■ Finiture

Verniciatura per immersione di colore nero, zincatura elettrolitica o a caldo.

■ Norme di riferimento

Autorizzazione ministeriale protocollo 15/VI/15580/14.03.01.01 del 12/11/2007.
Certificato croato.
Tubi: EN10219-1/2.
Zincatura a caldo: EN 40.
Zincatura elettrolitica: EN12329.

Tube and coupler scaffold TG 180

■ Description

Scaffolding with tubes and couplers, made of certified materials and under the strictest quality control.
Galvanized economical right-angle coupler with 4 bolts, pressed.
Galvanized heavy right-angle coupler with 2 bolts and 2 hammers, forged core and pressed covers.
Galvanized swivel coupler with 2 bolts and 2 hammers, forged core and pressed covers.
Mark: C.P.1 and F.MET C.P.1.
Commercial name: TG 180

■ Construction features

Steel grade S235JR.
Compatibility with prefabricated frame scaffold.
Admitted load 300 daN/m2.

■ Construction features

Immersion painting in black colour, electrolytic or hot dip galvanization.

■ Reference standards

Italian Ministry authorization protocol 15/VI/15580/14.03.01.01 of 12/11/2007.
Croatian certificate.
Tubes: EN10219-1/2.
Hot dip galvanization: EN 40.
Electrolytic galvanization: EN12329.

Skela sa cijevima i spojnicama TG 180

■ Opis

Skela sa cijevima i spojnicama je pravljena od provjerenog materijala i pod konstantnim nadzorom kvaliteta rada.
Pocinčana fiksna spojnica sa 4 ankera, presovani poklopac.
Pocinčana čelična fiksna spojnica sa 2 ankera i
2 klina, kovano jezgro i presovani poklopci.
Pocinčana obrtna spojnica sa 2 ankera i dva klina, kovano jezgro i presovani poklopci.
Oz naka: C.P.1 i F.MET C.P.1.
Komerčijalno ime: TG 180

■ Proizvodne karakteristike

Metalna cijev S235JR.
Kompatibilnost sa montažnim ramom skele
Dozvoljeno opterećenje 300 daN/m2.
Kompletan asortiman dodatne opreme.

■ Fino obrađivanje

Potapajuće farbanje crnom bojom, toplo ili elektrolitičko cinčanje

■ Predloženi standardi

Odobreno od strane Vlade Italije (Mlinistarstvo), protokol 15/VI/15580/14.03.01.01 of 12/11/2007.
Hrvatski sertifikat.
Cijev: EN10219-1/2.
Toplo cinčanje: EN 40.
Elektrolitičko cinčanje: EN12329.

Ponteggio a tubo e giunti TG 180

Tube and coupler scaffold TG 180

Skela sa cijevima i spojnicama TG 180



Ponteggio a tubo e giunti TG 180

Tube and coupler scaffold TG 180

Skela sa cijevima i spojnicama TG 180

■ Altezza: 2,00 m
Profondità standard: 1,20 m
Paso: 1,80 m

■ Height: 2,00 m
Standard width: 1,20 m
Span: 1,80 m

■ Visina: 2,00 m
Standardna širina: 1,20 m
Rastojanje: 1,80 m

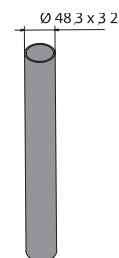
Tubo marcato per ponteggio

Marked scaffolding tube

Cijevi skele sa oznakom

Code	Finish	pcs/Pack	Weight /Kg
TGVxxxx	Verniciato - Painted - Obojeno	50	3,30
TGZxxxx	Zincato - Galvanized - Pocinčano	50	3,30

xxxx Indica la lunghezza - Indicates the length - Pokazatelj dužine (max - max - maks. = 6 m / min - min - min. = 0,6 m)

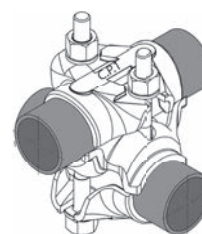


Giunto ortogonale stampato a 4 bulloni

Right-angle coupler with 4 bolts pressed

Pravougaona spojnica sa 4 presovana ankera

Code	Finish	pcs/Pack	Weight /Kg
GIUNIT-O_ZE	Zincato - Galvanized - Pocinčano	500/900	1,35



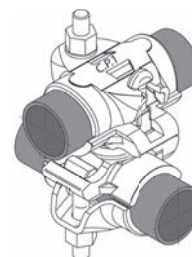
Giunto girevole a 2 bulloni e 2 martinetti,

con nucleo stampato a caldo ed esterno stampato a freddo

Swivel coupler with 2 bolts and 2 hammers, forged core and pressed covers

Pocinčana obrtna spojnica sa 2 ankera i dva klina, kovano jezgro i presovani poklopci

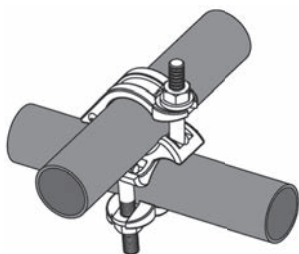
Code	Finish	pcs/Pack	Weight /Kg
GIUNIT-G_ZE	Zincato - Galvanized - Pocinčano	400	1,90



Ponteggio a tubo e giunti TG 180

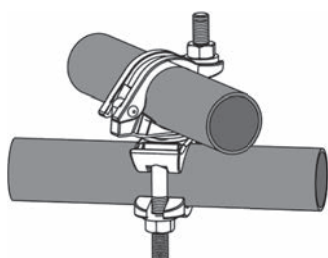
Tube and coupler scaffold TG 180

Skela sa cijevima i spojnicama TG 180



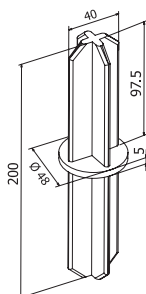
Giunto ortogonale EN74
Right-angle coupler EN74
Fiksna spojnica EN74

Code	Finish	pcs/Pack	Weight /Kg
GIUNEN-O_ZE	Zincato - Galvanized - Pocinčano	25	1,00



Giunto girevole EN74
Swivel coupler EN74
Obrtna spojnica EN74

Code	Finish	pcs/Pack	Weight /Kg
GIUNEN-G_ZE	Zincato - Galvanized - Pocinčano	25	1,20



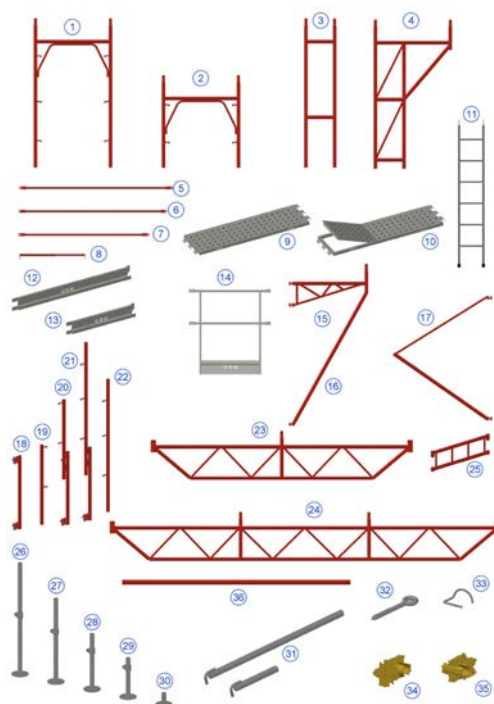
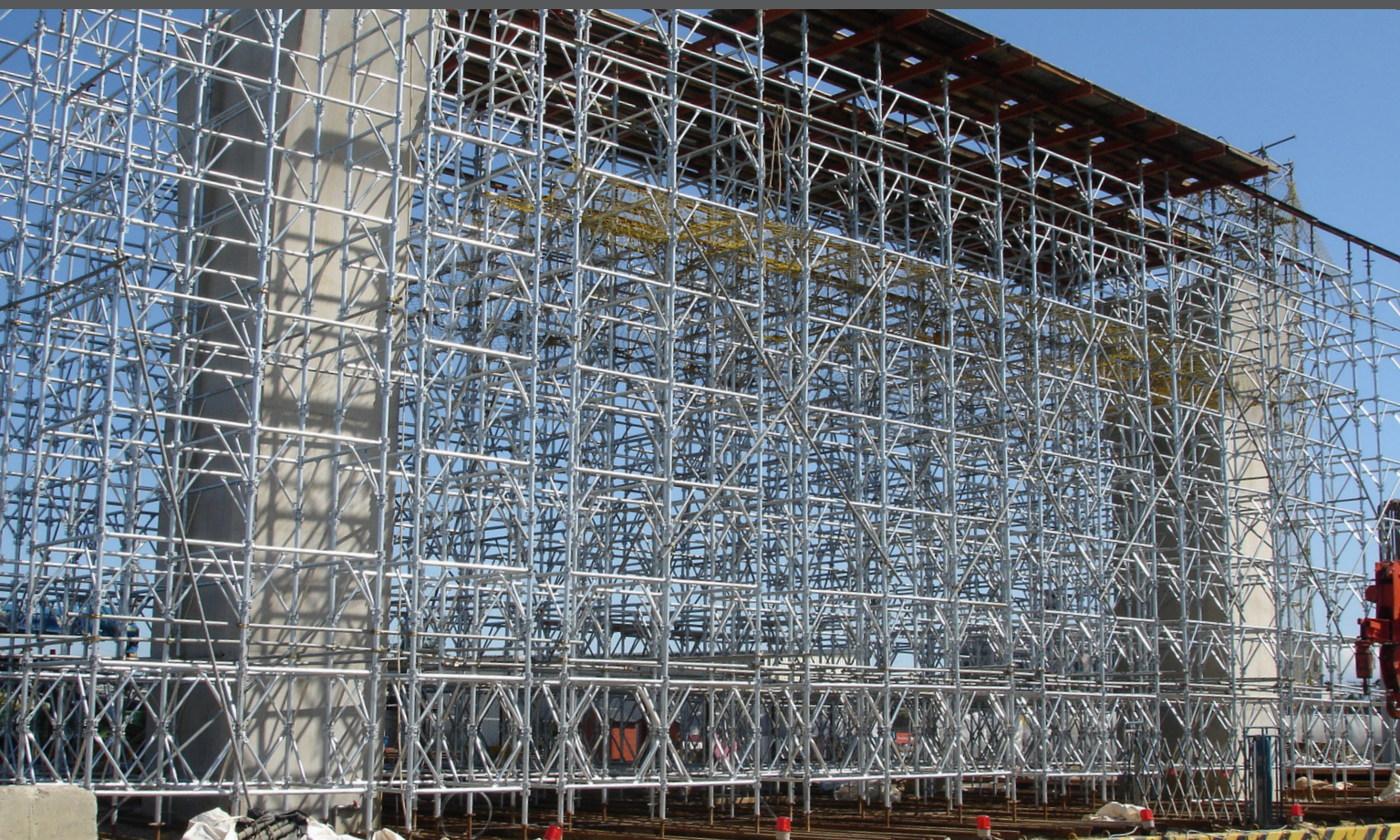
Spinotto di giunzione per tubo
Coupling pin for tube
Umetak za cijevi cijevne skele

Code	Finish	pcs/Pack	Weight /Kg
SPIN_ZE	Zincato - Galvanized - Pocinčano	40	0,50



Bullone, dado e rondella per giunto
Bolt, washer and nut for coupler
Anker, vijak i navrtka za spojnicu

Code	Finish	pcs/Pack	Weight /Kg
GIUNIT-RIC_ZE	Zincato - Galvanized - Pocinčano	300	0,10



Accessori per ponteggio

■ Descrizione

Tutti gli accessori necessari per il nostro ponteggio.

■ Finiture

Verniciatura per immersione di colore rosso RAL 3009, zincatura elettrolitica o a caldo.

■ Norme di riferimento

Autorizzazione ministeriale protocollo 22707/PR7-B103 del 03/08/1979.
Voltura protocollo 15/VI/0020849/14.03.01.03 del 19/12/2005.
Estensione Ministeriale protocollo 15/VI/7245/14.03.02.02 del 23/10/2006.
Voltura protocollo 15/VI/0020851/14.03.01.03 del 19/12/2005.
Estensione Ministeriale protocollo 15/VI/7246/14.03.02.02 del 23/10/2006.
Autorizzazione ministeriale protocollo 15/VI/15580/14.03.01.01 del 12/11/2007.
Certificato croato.
Zincatura a caldo: EN 40.
Zincatura elettrolitica: EN12329.

Accessories for scaffold

■ Description

All the necessary accessories for our scaffolds.

■ Finishes

Immersion painting in red colour RAL 3009, electrolytic or hot dip galvanization.

■ Reference standards

Italian Ministry authorization protocol 22707/PR7-B103 of 03/08/1979.
Turn to protocol 15/VI/0020849/14.03.01.03 of 19/12/2005.
Italian Ministry extension protocol 15/VI/7245/14.03.02.02 of 23/10/2006.
Turn to protocol 15/VI/0020851/14.03.01.03 of 19/12/2005.
Italian Ministry extension protocol 15/VI/7246/14.03.02.02 of 23/10/2006.
Italian Ministry authorization protocol 15/VI/15580/14.03.01.01 of 12/11/2007.
Croatian certificate.
Hot dip galvanization: EN 40.
Electrolytic galvanization: EN12329.

Dodatna oprema za skele

■ Descrizione

Neophodna oprema za skelu

■ Finiture

Farbanje potapanjem u crvenoj boji RAL 3009, toplo ili elektrolitičko cinčanje.

■ Predloženi standardi

Odobreno od strane Vlade Italije - 22707/PR7-B103 of 03/08/1979.
Protokol- 15/VI/0020849/14.03.01.03 of 19/12/2005.
Dodatak Vlade Italij - e 15/VI/7245/14.03.02.02 of 23/10/2006.
Protokol - 15/VI/0020851/14.03.01.03 of 19/12/2005.
Dodatak Vlade Italije - 15/VI/7246/14.03.02.02 of 23/10/2006.
Odobreno od strane Vlade Italije - 15/VI/15580/14.03.01.01 of 12/11/2007.
Hrvatski sertifikat.
Toplo cinčanje: EN 40.
Elektrolitičko cinčanje: EN12329.

Accessori per ponteggio

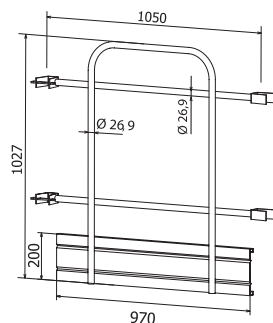
Accessories for scaffold

Dodatna oprema za skele

Cancelletto di testata

Double lateral guard rail

Dupla bočna zaštitna ograda

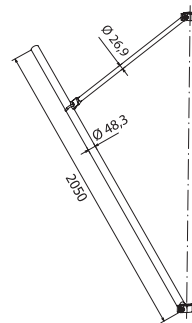


Code	pcs/Pack	Weight /Kg
CANTES	25	8,00

Parasassi

Guard stone element

Držac za ogradu

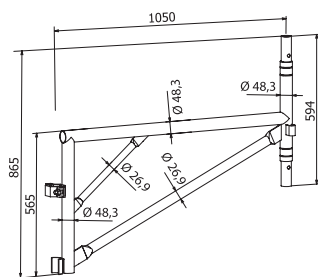


Code	Pack	Weight /Kg
PARAS2	Libera - Free - Slobodan izbor	8,85

Mensola per disassamento da 1,05 m

Držac 1,05 m

Console de déport 1,05 m

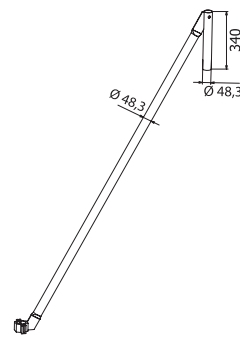


Code	Pack	Weight /Kg
MENS	Libera - Free - Slobodan izbor	10,95

Puntone per mensola

Bracketstrut for bracket

Potporni nastavak za držač

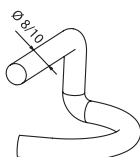


Code	Pack	Weight /Kg
PMENS	Libera - Free - Slobodan izbor	8,12

Spina a verme zincata

Galvanized pin for scaffold

Pocinčani osigurač za skelu

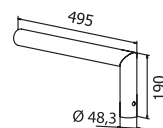


Code	Ø /mm	pcs/Pack	Weight /Kg
SP_VERME	10	200	0,11
SP_VERME2	8	200	0,09
SP_VERME3	12	200	0,18

Ancoraggio zincato

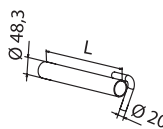
Galvanized wall tie

Pocinčana cijev za pričvršćivanje - Anker



Code: ANCOR_1_ZE

Tubolare - All tube - Tube



Code: ANCOR_2_ZE

ANCOR_3_ZE

Ad uncino - With a hook -

Sa kukom

Code	L/cm	Pack	Weight /Kg
ANCOR_1_ZE	49	Libera - Free - Slobodan izbor	1,70
ANCOR_2_ZE	49	Libera - Free - Slobodan izbor	1,55
ANCOR_3_ZE	140	Libera - Free - Slobodan izbor	6,10

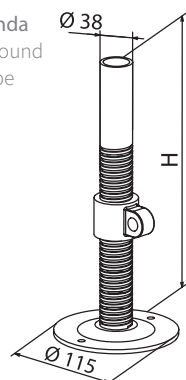
Accessori per ponteggio

Accessories for scaffold

Dodatna oprema za skele

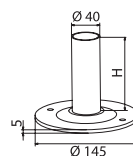
Code: BASEXXX

Basetta regolabile tonda
Adjustable base jack round
Okrugle podesive stope



Code: BASE

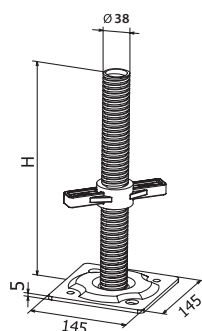
Base semplice tonda
Fixed base round
Okrugle fiksne stope



Basette tonde verniciate Ø 38,7 mm

Painted round bases Ø 38,7 mm
Okrugle stope obojena Ø 38,7 mm

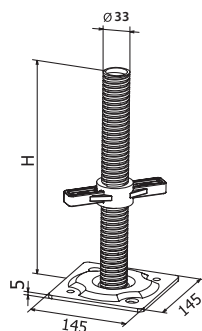
Code		H /cm	pcs /Pack	Weight /Kg
BASE	■	10	Libera - Free - S. izbor	0,82
BASE030	●	30	100	1,95
BASE050	●	50	100	2,50
BASE070	●	70	100	3,10
BASE100	●	100	100	4,10



Basette quadre zincate Ø 38,7 mm

Galvanized square bases Ø 38,7 mm
Pocinčane podešavajuće stope Ø 38,7 mm

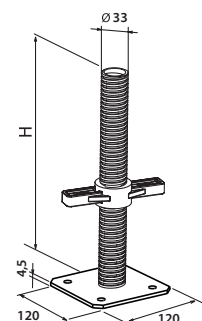
Code	H /cm	pcs /Pack	Weight /Kg
BASEQ030_ZE	30	100	2,05
BASEQ050_ZE	50	100	2,60
BASEQ070_ZE	70	100	3,20
BASEQ100_ZE	100	100	4,20



Basette quadre zincate Ø 33 mm

Galvanized square bases Ø 33 mm
Pocinčane podešavajuće stope Ø 33 mm

Code	H /cm	pcs /Pack	Weight /Kg
BASEQ030_33_ZE	30	100	1,95
BASEQ050_33_ZE	50	100	2,45
BASEQ070_33_ZE	70	100	3,00
BASEQ100_33_ZE	100	100	3,90



Basette quadre zincate Ø 33 mm - ECO

Galvanized square bases Ø 33 mm- ECO
Pocinčane podešavajuće stope Ø 33 mm - ECO

Code	H /cm	pcs /Pack	Weight /Kg
BASEBR030_ZE	30	50	1,76
BASEBR050_ZE	50	50	2,00
BASEBR060_ZE	60	50	2,24
BASEBR070_ZE	70	50	2,48
BASEBR100_ZE	100	50	3,20

Accessori per ponteggio

Accessories for scaffold

Dodatna oprema za skele

Trave carraia da 3,60 m

Opening truss element of 3,60 m

Element za proširivanje - 3,60 m

Code		Pack	Weight /Kg
TRAV36	●	Libera - Free - Slobodan izbor	27,62
TELTRAV	◆	Libera - Free - Slobodan izbor	7,64

- Trave carraia da 3,60 m
Opening truss element of 3,60 m
Element za proširivanje-3,60 m

- ◆ Telaio di collegamento per trave carraia.
Frame for the connection of the opening truss element
Ram za povezivanje otvora za stubova

La trave carraia completa è composta da n° 2 TRAV36 e da n° 1 TELTRAV.

N° 2 TRAV36 and n° 1 TELTRAV are necessary to complete the opening truss element.

N° 2 TRAV36 i n° 1 TELTRAV su neophodni za kompletiranje elemenata za otvor za stub.

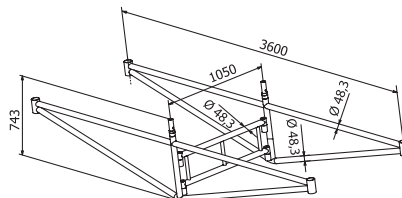
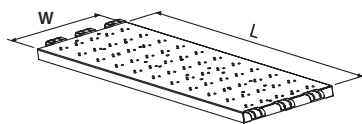


Tavola zincata - 0,50 m

Galvanized metal plank - 0,50 m

Pocinčana metalna podnica - 0,50 m



Code	L /m	W /m	pcs /Pack	Weight /Kg
TAV50-180	1,80	0,50	50	14,50
TAV50-250	2,50	0,50	50	20,50
TAV50-XXX	1,00 - 3,05	0,50	50	-

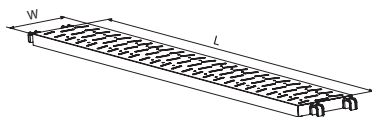
Standard head



Tavola zincata - 0,295/0,370 m

Galvanized metal plank - 0,295/0,370 m

Pocinčano gazište- 0,295/0,370 m



Code	L /m	W /m *	pcs /Pack
TAV29-XXX	1,00 - 3,05	0,295	50
TAV31-XXX	1,00 - 3,05	0,315	50
TAV32-XXX	1,00 - 3,05	0,325	50
TAV33-XXX	1,00 - 3,05	0,330	50
TAV37-XXX	1,00 - 3,05	0,370	50

- * Per ogni W è necessario un ordine minimo di 1000 pz. L può essere variabile.
For each W a minimum order quantity of 1000 pcs is necessary. L can be different.
Za svaku širinu (W) minimalna narudžba je 1000 komada. Dužina (L) može biti drugačija.

Standard head



Reinforced standard head



Head with hooks



Head for U profile



Accessori per ponteggio

Accessories for scaffold

Dodatna oprema za skele

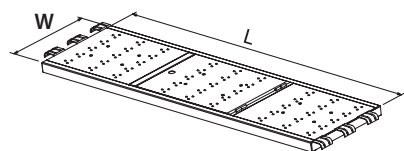
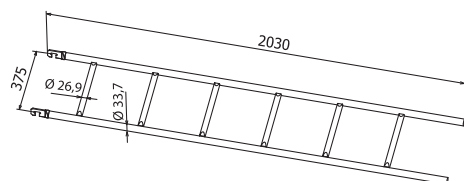


Tavola zincata con botola

Galvanized metal plank with trap door

Pocinčano gazište 50 cm sa otvorom

Code	L/m	W/m	pcs/Pack	Weight/Kg
TAVB50-180	1,80	0,50	40	21,00
TAVB50-250	2,50	0,50	Libera - Free - Libre	30,00



Scala per tavola con botola

Ladder for trap door plank

Merdevine za gazište s otvorom

Code	L/m	W/m	pcs/Pack	Weight/Kg
TAVB50-180	1,80	0,50	40	21,00
TAVB50-250	2,50	0,50	Libera - Free - Libre	30,00

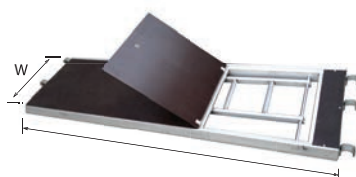
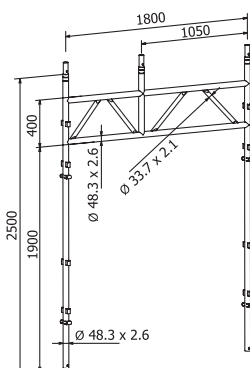


Tavola in alluminio con botola e scala integrata

Aluminum plank with trap door and built-in ladder

Alumijsko gazište s otvorom i ugrađenim merdevinama

Code	L/m	W/m	Pack	Weight/Kg
TAVA63-250	2,50	0,63	Libera - Free - S. izbor	24,00
TAVA63-300	3,00	0,63	Libera - Free - S. izbor	27,00



Telaio partenza larga per passaggio pedonale

Large starting frame for walkway access

Veliki početni ram skele za prolazak pješaka

Code	Pack	Weight/Kg
TEL2L	Libera - Free - Slobodan izbor	34,54

Accessori per ponteggio

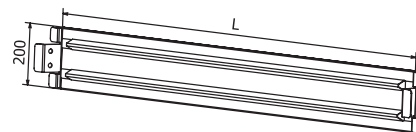
Accessories for scaffold

Dodatna oprema za skele

Fermapiede di facciata zincato

Galvanized toe board frontal part

Pocinčani čeoní štitník

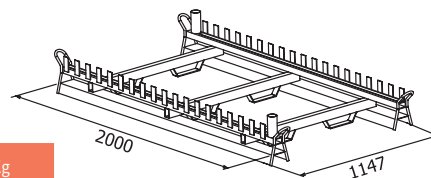


Code	L /m	pcs /Pack	Weight /Kg
FER075	0,75	25	2,20
FER105	1,05	25	2,90
FER112	1,127	25	3,00
FER125	1,25	25	3,35
FER150	1,50	25	3,80
FER180	1,80	25	4,30
FER200	2,00	25	4,90
FER250	2,50	25	6,00
FER300	3,00	25	7,15
FERXXX	1,00 - 3,05	25	-

Contenitore per 50 telai a boccole

Metal container for 50 frames with bushings

Metalni kontejner za 50 ramova za Boccole

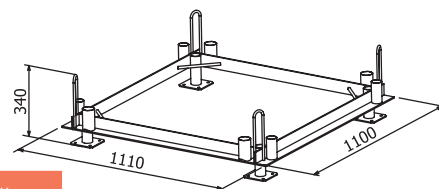


Code	Pack	Weight /Kg
CONT1	Libera - Free - Slobodan izbor	65,00

Contenitore per 36 telai a perni

Metal container for 36 frames with quick locks

Metalni kontejner za 36 ramova za Perni

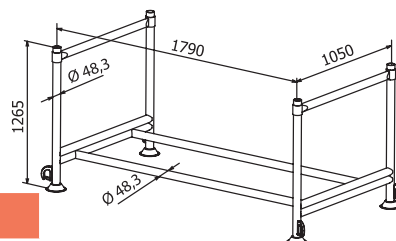


Code	Pack	Weight /Kg
CONT2	Libera - Free - Slobodan izbor	31,00

Contenitore per 40 tavole

Metal container for 40 metal planks

Metalni kontejner za 40 metalnih podnica



Code	Pack	Weight /Kg
CONT3	Libera - Free - Slobodan izbor	47,00

Accessori per ponteggio

Accessories for scaffold

Dodatna oprema za skele

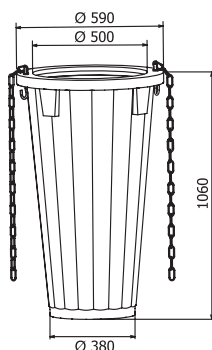
Code: PLAS_08

Catena di ricambio
Spare chain
Rezervni lanac



Code: PLAS_04

Scivolo
Conveyor
Kanta

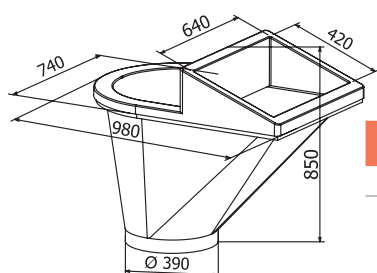


Telaio partenza larga per passaggio pedonale

Large starting frame for walkway access

Veliki početni ram skele za prolazak pješaka

Code	Pack	Weight /Kg
PLAS_04	Libera - Free - Slobodan izbor	9,00
PLAS_08	Libera - Free - Slobodan izbor	0,50

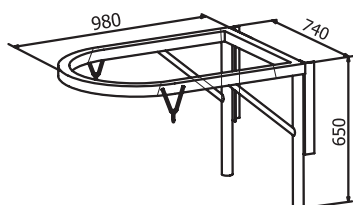


Tramoggia di carico

Hopper

Lijevak za odlaganje šuta

Code	Pack	Weight /Kg
PLAS_05	Libera - Free - Slobodan izbor	8,50



Telaio per tramoggia

Frame for hopper

Okvir lijevka za šut

Code	Pack	Weight /Kg
PLAS_06	Libera - Free - Slobodan izbor	16,00

Accessori per ponteggio

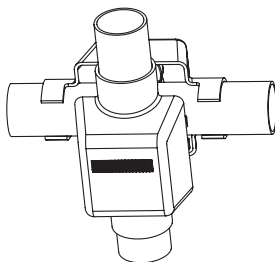
Accessories for scaffold

Dodatna oprema za skele

Protezione coprigiunto in plastica

Coupler plastic cover

Plastični poklopac za spojnicu

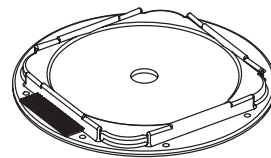


Code	Pack	Weight /Kg
PLAS_01	Libera - Free - Slobodan izbor	0,20

Sottobasetta in plastica

Base in plastic

Plastična podloga za stopu

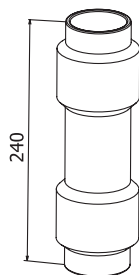


Code	Pack	Weight /Kg
PLAS_02	Libera - Free - Slobodan izbor	0,20

Paracolpi in plastica per tubo Ø 48 mm

Plastic cover for tube Ø 48 mm

Plastični poklopac za cijev

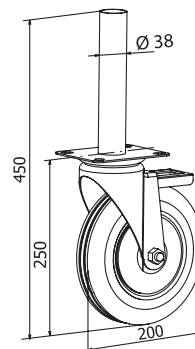


Code	Pack	Weight /Kg
PLAS_03	Libera - Free - Slobodan izbor	0,15

Ruota zincata con freno

Galvanized wheel with brake

Pocinčani točak sa kočnicom

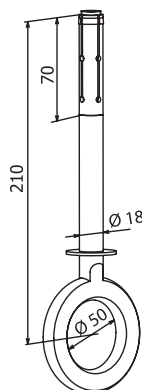


Code	Pack	Weight /Kg
RPONT_02	Libera - Free - Slobodan izbor	4,00

Tassello per cemento - Ancoraggio tubolare

Concrete eye-bolt - Tubular anchorage

Cijevasti prsten za anker

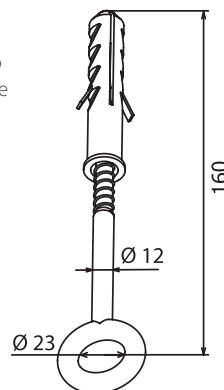


Code	Pack	Weight /Kg
TAS_01	Libera - Free - Slobodan izbor	0,53

Tassello per cemento - Ancoraggio a uncino

Concrete eye-bolt - Hook-shaped anchorage

Cijevasti prsten sa tiplom za anker

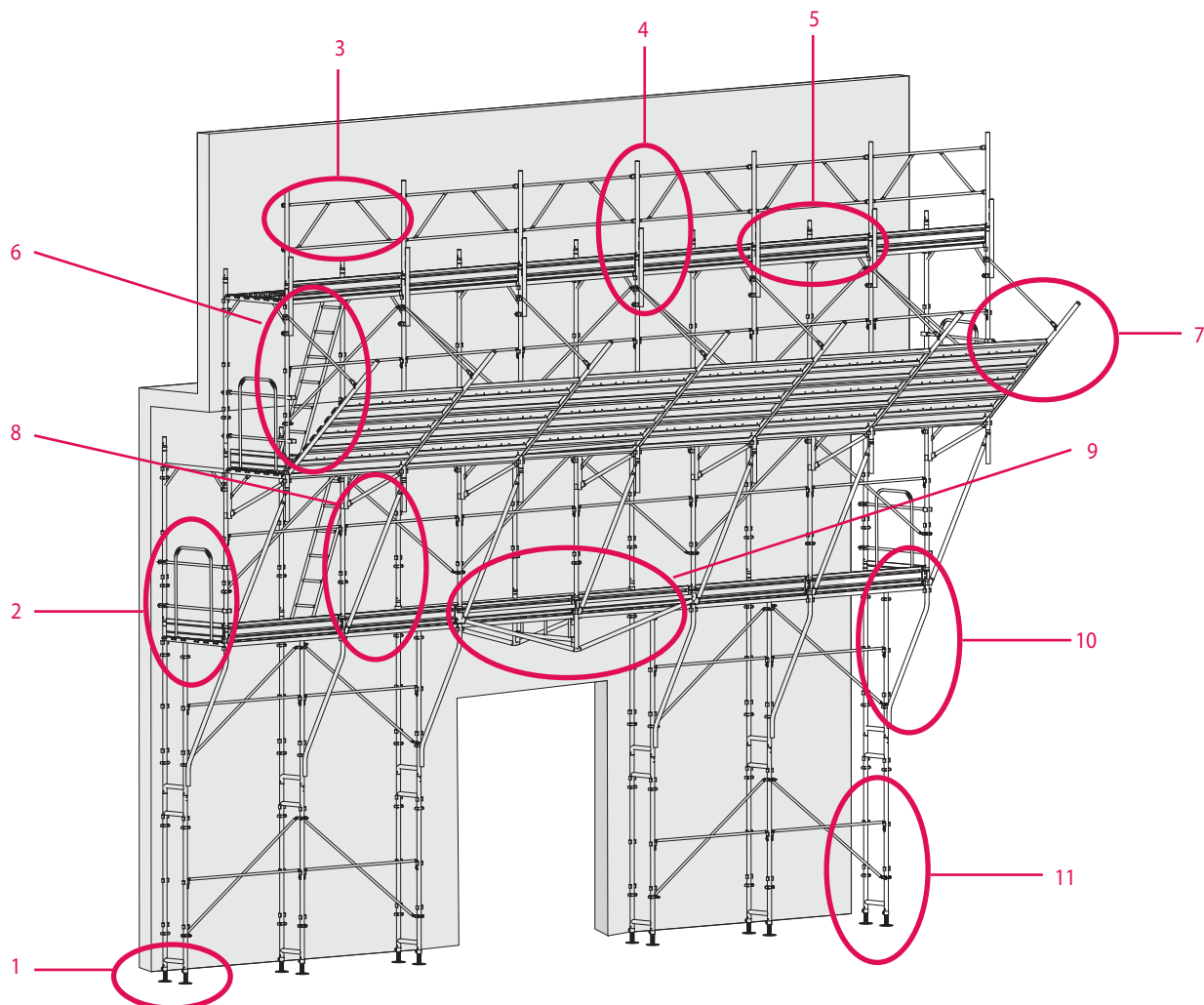


Code	Pack	Weight /Kg
TAS_02	Libera - Free - Slobodan izbor	0,19

Esempio di assemblaggio di una parete con accessori

Example of a wall assembled with accessories

Primjer montaže na zid sa opremom



Elementi

Elements

Neophodni elementi

	Description
1	Basette semplici / regolabili Fixed and adjustable bases Fiksna i podesiva stopa
2	Cancelletto di testata Double lateral guard rail Dupla bočna zaštitna ograda
3	Spondina di facciata per telaio a perni Double front guard rail for scaffold with quick locks Zaštitna ograda za skelu sa brzim zaključavanjem
4	Terminale con giunto da 1 m Top guard rail element of 1 m with coupler Nastavak skele dužine 1 m sa spojnicom

	Description
5	Fermapiiede zincato di facciata Galvanized toe board lateral part Pocinčani čeonii štitnik
6	Scala per tavola con botola Ladder for trap door plank Merdevine za gazište s otvorom
7	Parasassi Guard stone element Držač za ogradu
8	Mensola per disassamento da 1,05 m con puntone per mensola Bracket 1,05 m and bracketstrut for bracket Držač 1,05 m i potporni nastavak za držač

	Description
9	Trave carraia da 3,6 m Opening truss element of 3,6 m Nosač za povezivanje dijela iznad vrata od 3,60 m
10	Telaio partenza stretta superiore Narrow starting frame - upper element Uski početni element - gornji
11	Telaio partenza stretta inferiore Narrow starting frame - lower element Uski početni element - donji

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