

Componenti speciali

Special components



steel safety on roadways

Require Marcegaglia buildtech full range of steel road safety barriers: from the **steel partner**, steel safety on roadways.

Marcegaglia buildtech safety barriers solutions are part of Marcegaglia steel production chain and are engineered, assembled then **tested** in order to comply with specific **norm requirements**.

Certificazioni

Certifications - Zertifizierungen - Certifications - Certificaciones

- **RINA ISO 9001:2008** certificato N. 12370/05/S
- **IQNet - CISQ/RINA** Quality Management System **ISO 9001:2008** Registration N. IT-42009
- **Certificati CE** di costanza della prestazione

Crash tests

Crash tests - Crash-Tests - Essais de chocs - Crash tests



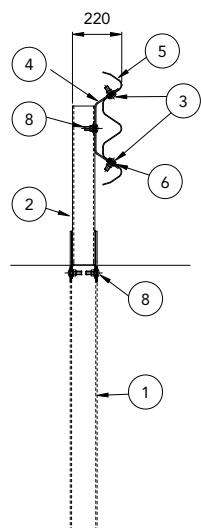
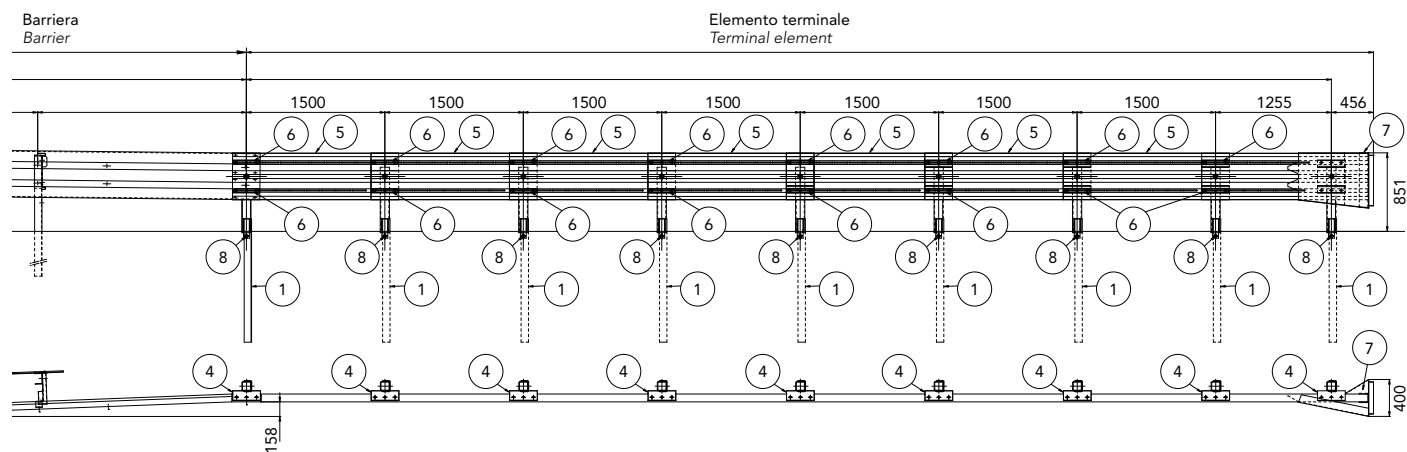
Terminale per barriera P4

Terminal for safety barriers P4

Endkonstruktionen von Schutzeinrichtungen P4

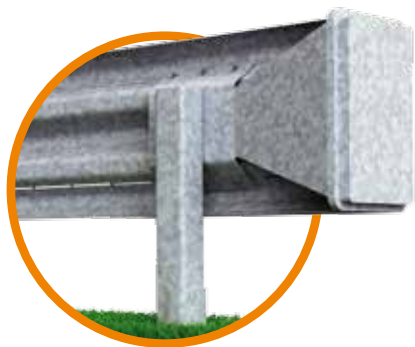
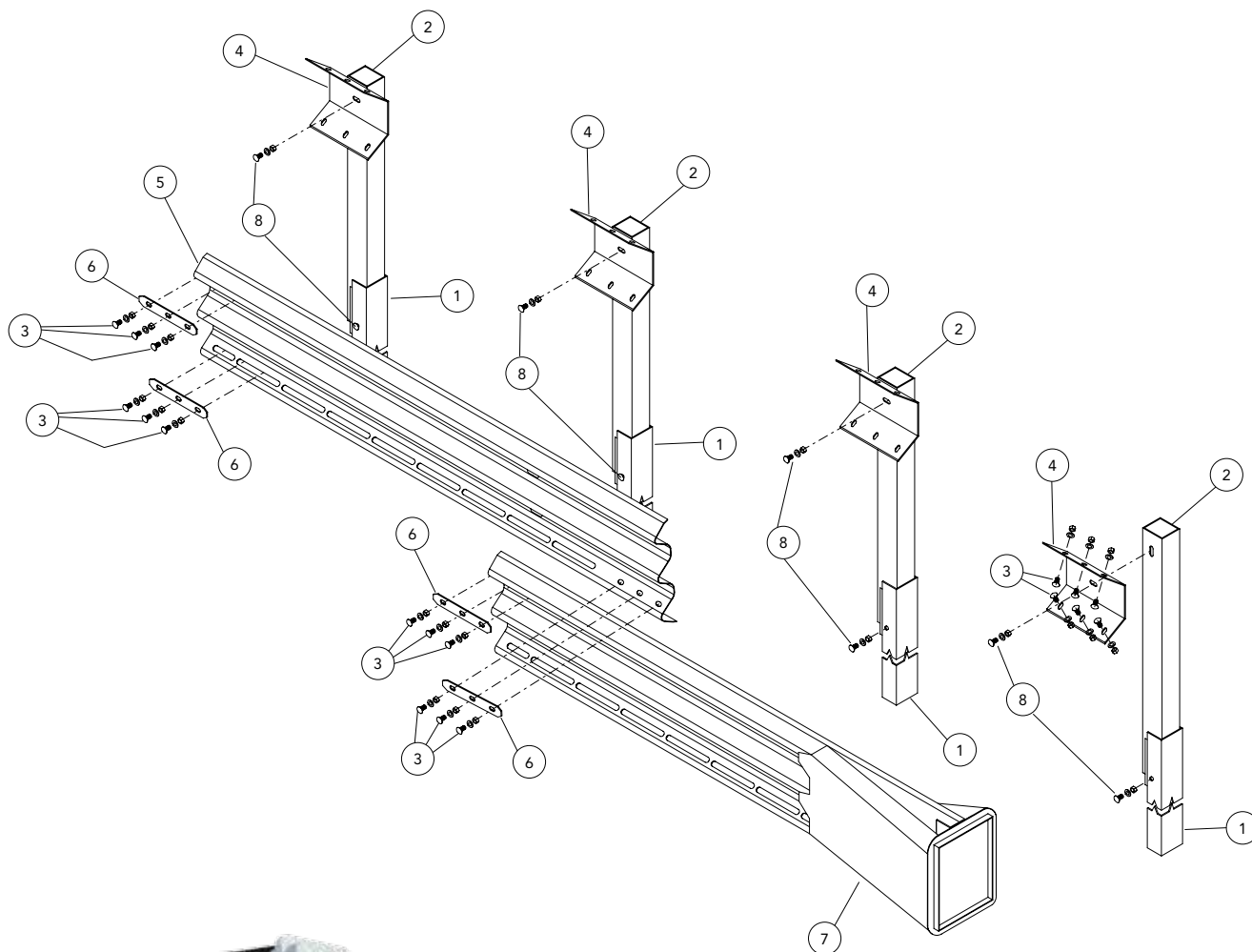
Extrémité de glissières de sécurité P4

Terminal de barrera P4



Rapporti di prova Crash test reports, Testberichte, Comptes rendus d'essais, Relaciones de pruebas

| Test n. | Facility | Test | Type | Mass kg | Speed km/h | ASI max 1.4 | PHD max 20g | THIV | D m | Z m | W m |
|------------------|----------|------------|-------------------|---------|------------|-------------|-------------|------|-----|-----|--------|
| MCG/EXT-006/1154 | LIER | TT 1.3.110 | Frontale 0° | 1.500 | 110 | 0,9=A | 12 | 32 | 1,1 | Z1 | 0,6=W1 |
| MCG/EXT-007/1285 | LIER | TT 2.1.100 | Disassata | 900 | 100 | 1,2=B | 19 | 39 | 1 | Z1 | 1,4=W5 |
| MCG/EXT-003/1122 | LIER | TT 4.3.110 | Laterale 15° | 1.500 | 110 | 0,9=A | 12 | 32 | 1,2 | Z1 | 1,7=W5 |
| MCG/EXT-004/1123 | LIER | TT 5.1.100 | Contronatura 165° | 900 | 100 | 0,9=A | 8 | 26 | 1,1 | Z1 | 1,2=W4 |



Componenti Components, Bauteile, Composants, Elementos

| | Descrizione Description | | Materiale Material | Codice Code |
|---|---|-----------------------|-----------------------|-----------------|
| 8 | Bullone completo Bolt with nut and washer, Schraube komplett, Boulon complet, Tornillo completo con tuerca y arandela | M16x50 mm | Classe 8.8 | 63800453 |
| 7 | Elemento terminale Terminal element, Abschlusselement, Extrémité, Elemento terminal | | S 275 JR | 59601557 |
| 6 | Piastrina irrigidimento Stiffening plate, Versteifungsplatte, Plaque de renfort, Placa de arriostado | | S 275 JR | 59601555 |
| 5 | Fascia 3 onde 3-waves beam, 3-wellige Leitschiene, Glissière 3 crosses, Banda triple onda | L=1800 Th=3 mm | S 275 JR | 59300385 |
| 4 | Distanziatore Spacer, Abstandhalter, Entretoise, Separador | Th=5 mm | S 275 JR | 59601553 |
| 3 | Bullone completo Bolt with nut and washer, Schraube komplett, Boulon complet, Tornillo completo con tuerca y arandela | M16x50 mm | Classe 8.8 | 63800014 |
| 2 | Tubo quadro Square tube, Vierkanthohr, Tube carré, Tubo cuadrado | 100x100 Th=6 H=709 mm | S 275 JR | 59601551 |
| 1 | Palo "U" U-post, U-Steher, Poteau en U, Poste "U" | 120x80 Th=6 H=1336 mm | S 275 JR | 59400562 |

Barriera per motociclista - Livello I

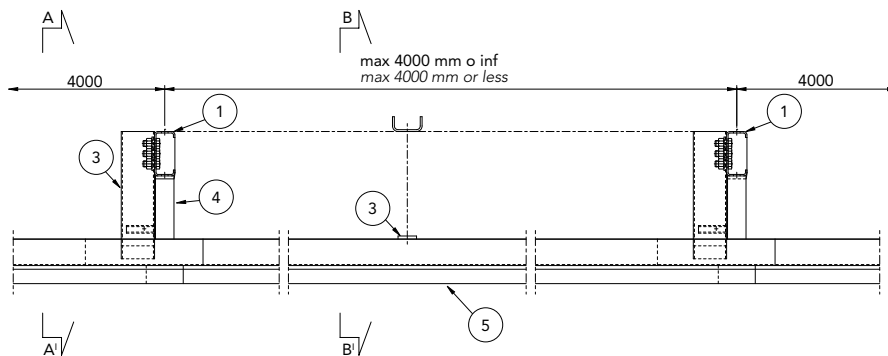
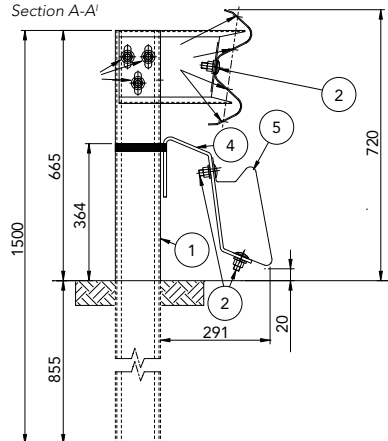
Safety barriers for motorcyclists - Level I

Rückhaltesysteme für Motorradfahrer - Level I

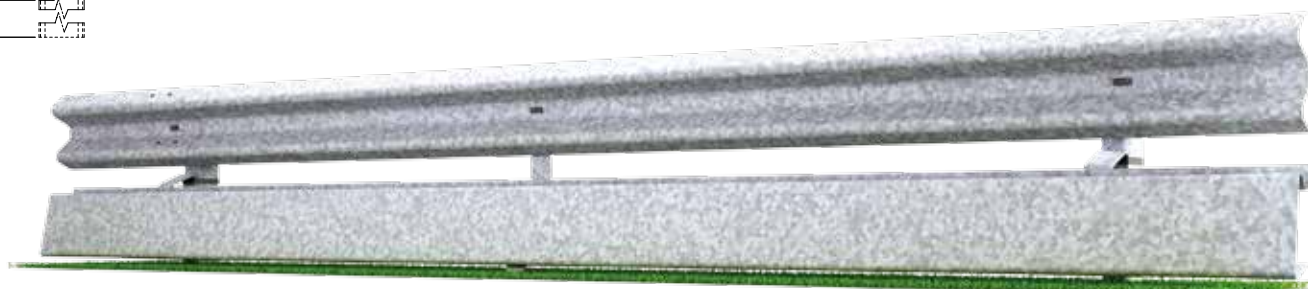
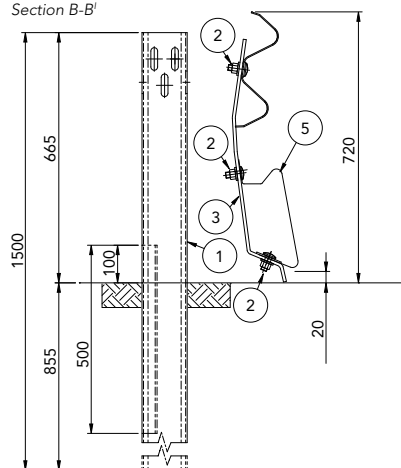
Glissières de sécurité pour motocyclistes - Niveau I

Barrera para protección de motociclistas - Nivel I

Sezione A-A'
Section A-A'

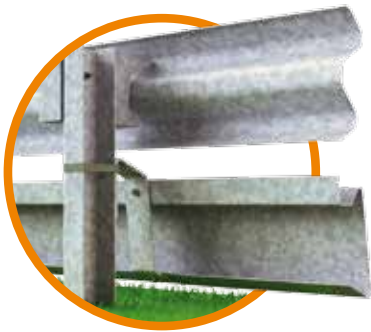
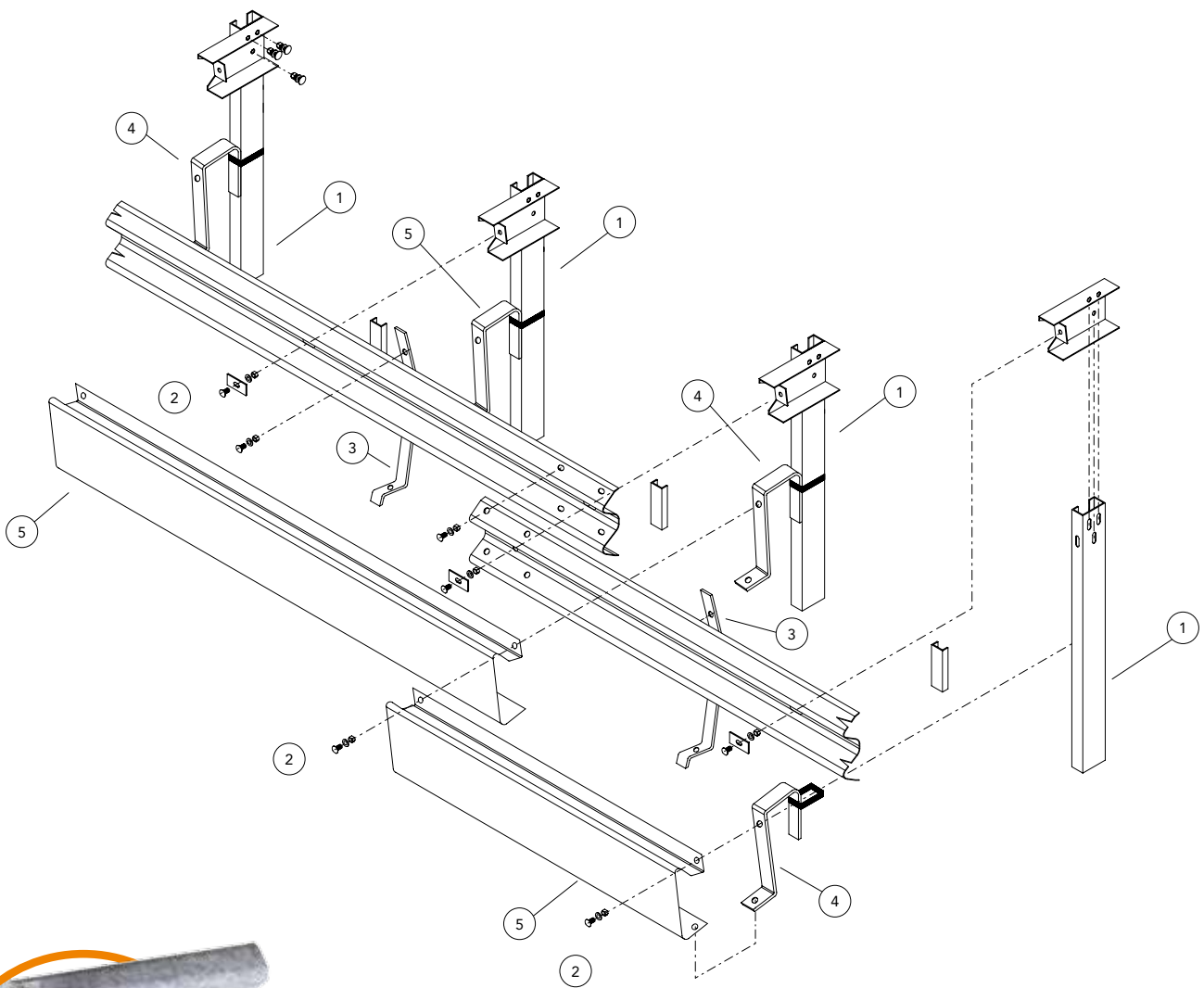


Sezione B-B'
Section B-B'



Rapporti di prova Crash test reports, Testberichte, Comptes rendus d'essais, Relaciones de pruebas

| Test n. | Facility | Test | Type | Barrier length m | Mass kg | Speed km/h | HIC 36 | FxN | Fz Traz N | Fz Compr. N | Mcox Nm | Mcoy Flex Nm | Mcoy Estens. Nm |
|------------|----------|---------|--------------|------------------|---------|------------|--------|--------|-----------|-------------|---------|--------------|-----------------|
| PROVA M028 | Aisico | TM 3.60 | Mezzeria 30° | 16 | 80 | 60 | 298.84 | 528.77 | 1515.14 | 2589.73 | 27.26 | 28.14 | 43.54 |
| PROVA M022 | Aisico | TM 1.60 | Palo 30° | 16 | 80 | 60 | 169.11 | 337.34 | 1204.87 | 2654.33 | 73.79 | 20.61 | 42.27 |



Componenti Components, Bauteile, Composants, Elementos

| | Descrizione Description | | Materiale Material | Codice Code |
|---|---|---------------------|-----------------------|-----------------|
| 1 | Palo "U" U-post, U-Steher, Poteau en U, Poste "U" | 80x40 Th=5 H=500 mm | Corten | 59400631 |
| 2 | Bullone completo Bolt with nut and washer, Schraube komplett, Boulon complet, Tornillo completo con tuerca y arandela | M16x40 mm C=60 nm | Classe 5.8 | 59800432 |
| 3 | Staffa sostegno profilo tipo A Support for A-type profile, Haltebügel für Profil Typ A, Étrier support profil type A, Soporte perfil tipo A | | S 235 JR | 59601663 |
| 4 | Staffa sostegno profilo tipo B Support for B-type profile, Haltebügel für Profil Typ B, Étrier support profil type B, Soporte perfil tipo B | | S 235 JR | 59601660 |
| 5 | Profilo contenimento motociclista Motorcyclist containment profile, Motorradfahrer-Unterfahrschutz, Perfil de retenue motocycliste, Perfil retención motociclista | Modulo L = 4000 mm | S 235 JR | 59602705 |
| | | Modulo L = 4500 mm | | 59602695 |

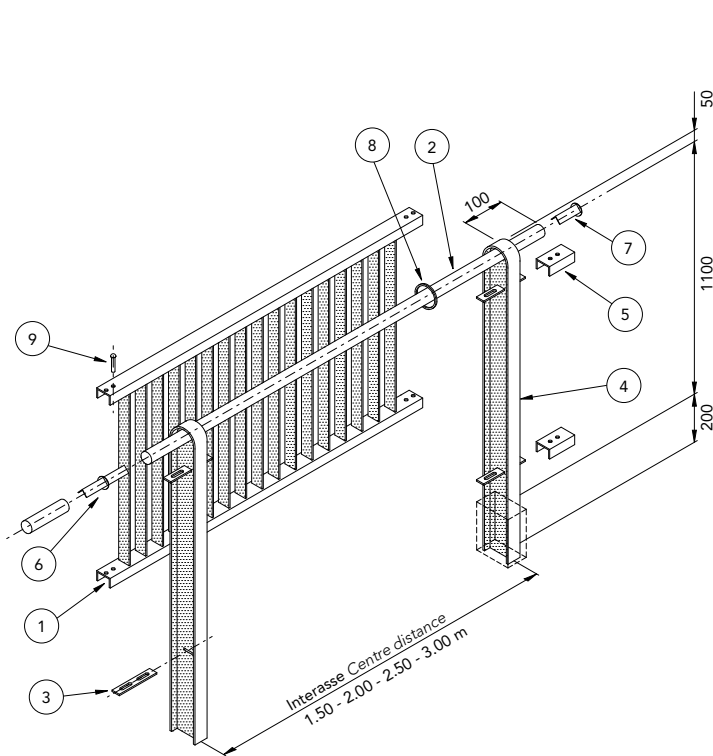
Ringhiera parapetto PS1 - per rilevato

Single sided fencing PS1

Geländer für rammfähige Böden PS1

Glissière parapet PS1 - pour remblai

Baranda parapeto PS1 - para realizado



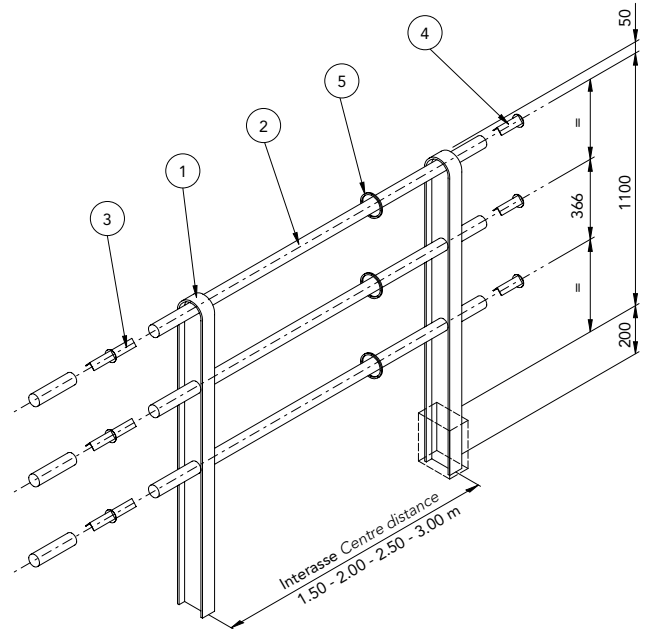
Ringhiera parapetto PS2 - per rilevato

Single sided fencing PS2

Geländer für rammfähige Böden PS2

Glissière parapet PS2 - pour remblai

Baranda parapeto PS2 - para realizado



Componenti Components,
Bauteile, Composants, Elementos

Ø60

Ø48

| Descrizione - Description | | |
|---------------------------|--|---------------------------|
| 1 | Pannello Panel, Lärmschutzplatte, Panneau entraxe, Panel | 1,50 - 2,00 - 2,50 - 3,00 |
| 2 | Tubo corrimano Handrail tube, Handlaufrohr, Tube rambarde, Tubo pasamanos | Ø60x3 mm |
| 3 | Staffa Bracket, Bügelschraube, Étrier, Brida | 35x6 L=180 |
| 4 | Montante Upright, Pfosten, Montant, Puntal | INP100/INP120 |
| 5 | Elemento terminale Terminal element, Abschlusselement, Extrémité, Elemento terminal | |
| 6 | Giunto per tubo corrimano Handrail tube coupling box, Verbindungsstück für Handlaufrohr, Raccord pour tube rambarde, Acoplamiento para tubo pasamanos | Ø60 - Ø48 |
| 7 | Tappo per tubo corrimano Handrail tube cap, Deckel für Handlaufrohr, Bouchon pour tube rambarde, Tapón para tubo pasamanos | Ø60 - Ø48 |
| 8 | Fascia fermatubo corrimano Handrail tube fastener, Handlaufrohrschelle, Fixation pour tube rambarde, Abrazadera sujeta-tubo pasamanos | |
| 9 | Bulloneria (n°8 per pannello) Bolts (nr. 8 per panel), Schrauben (8 je Blech), Boulons (8 par panneau), Tornillo (8 por panel) | M12 |

Componenti Components,
Bauteile, Composants, Elementos

Ø60

Ø48

| Descrizione - Description | | |
|---------------------------|--|---------------|
| 1 | Montante Upright, Pfosten, Montant, Puntal | INP100/INP120 |
| 2 | Tubo corrimano Handrail tube, Handlaufrohr, Tube rambarde, Tubo pasamanos | Ø60x3 mm |
| 3 | Giunto per tubo corrimano Handrail tube coupling box, Verbindungsstück für Handlaufrohr, Raccord pour tube rambarde, Acoplamiento para tubo pasamanos | Ø60 - Ø48 |
| 4 | Tappo per tubo corrimano Handrail tube cap, Deckel für Handlaufrohr, Bouchon pour tube rambarde, Tapón para tubo pasamanos | Ø60 - Ø48 |
| 5 | Fascia fermatubo corrimano Handrail tube fastener, Handlaufrohrschelle, Fixation pour tube rambarde, Abrazadera sujeta-tubo pasamanos | |

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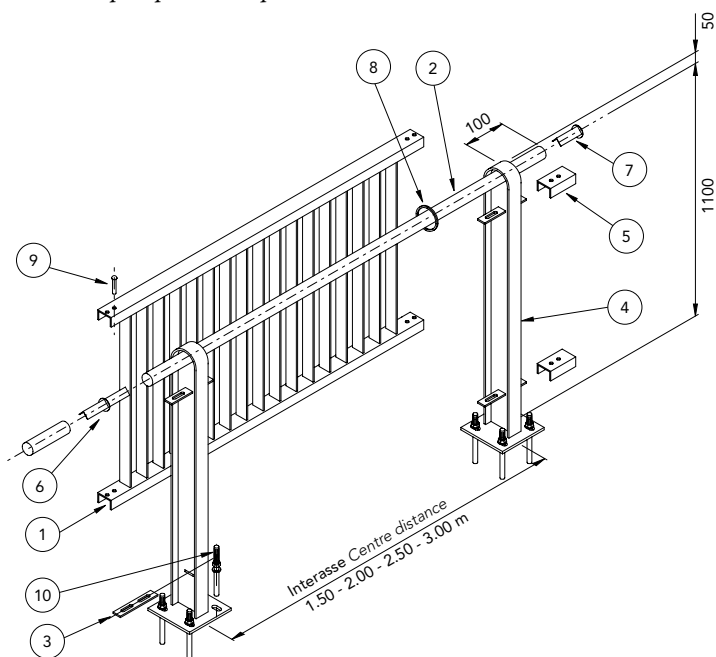
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Plants:

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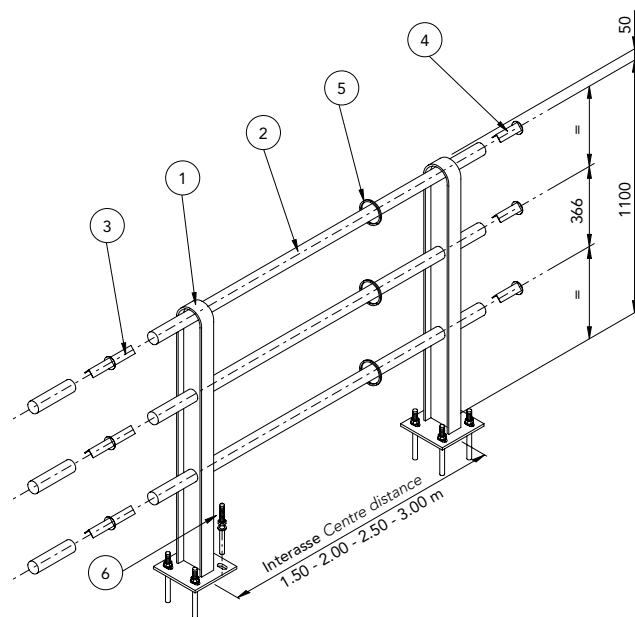
Ringhiera parapetto PS1 - per manufatto

Single sided fencing for concrete PS1
Geländer für Kunstbauten PS1
Glissière parapet PS1 - pour béton
Baranda parapeto PS1 - para estructuras viales



Ringhiera parapetto PS2 - per manufatto

Single sided fencing for concrete PS2
Geländer für Kunstbauten PS2
Glissière parapet PS2 - pour béton
Baranda parapeto PS2 - para estructuras viales



Componenti Components,
Bauteile, Composants, Elementos

Ø60

Ø48

| Descrizione - Description | | |
|---------------------------|--|---------------------------|
| 1 | Pannello Panel, Lärmschutzplatte, Panneau entraxe, Panel | 1,50 - 2,00 - 2,50 - 3,00 |
| 2 | Tubo corrimano Handrail tube, Handlaufrohr, Tube rambarde, Tubo pasamanos | Ø60x3 mm |
| 3 | Staffa Bracket, Bügelschraube, Étrier, Brida | 35x6 L=180 |
| 4 | Montante Upright, Pfosten, Montant, Puntal | INP100/INP120 |
| 5 | Elemento terminale Terminal element, Abschlusselement, Extrémité, Elemento terminal | |
| 6 | Giunto per tubo corrimano Handrail tube coupling box, Verbindungsstück für Handlaufrohr, Raccord pour tube rambarde, Acoplamiento para tubo pasamanos | Ø60 - Ø48 |
| 7 | Tappo per tubo corrimano Handrail tube cap, Deckel für Handlaufrohr, Bouchon pour tube rambarde, Tapón para tubo pasamanos | Ø60 - Ø48 |
| 8 | Fascia fermatubo corrimano Handrail tube fastener, Handlaufrohrschelle, Fixation pour tube rambarde, Abrazadera sujeta-tubo pasamanos | |
| 9 | Bulloneria (n°8 per pannello) Bolts (nr. 8 per panel), Schrauben (8 je Blech), Boulons (8 par panneau), Tornillo (8 por panel) | M12 |
| 10 | Tirafondo d'ancoraggio Anchor bolt, Verbundklebeankerschraube, Tire-fond d'ancrage, Varilla roscada | Ø16 mm |

Componenti Components,
Bauteile, Composants, Elementos

Ø60

Ø48

| Descrizione - Description | | |
|---------------------------|--|---------------|
| 1 | Montante Upright, Pfosten, Montant, Puntal | INP100/INP120 |
| 2 | Tubo corrimano Handrail tube, Handlaufrohr, Tube rambarde, Tubo pasamanos | Ø60x3 mm |
| 3 | Giunto per tubo corrimano Handrail tube coupling box, Verbindungsstück für Handlaufrohr, Raccord pour tube rambarde, Acoplamiento para tubo pasamanos | Ø60 - Ø48 |
| 4 | Tappo per tubo corrimano Handrail tube cap, Deckel für Handlaufrohr, Bouchon pour tube rambarde, Tapón para tubo pasamanos | Ø60 - Ø48 |
| 5 | Fascia fermatubo corrimano Handrail tube fastener, Handlaufrohrschelle, Fixation pour tube rambarde, Abrazadera sujeta-tubo pasamanos | |
| 6 | Tirafondo d'ancoraggio Anchor bolt, Verbundklebeankerschraube, Tire-fond d'ancrage, Varilla roscada | Ø16 mm |