

# Barriere per bordo ponte

Guardrails for bridge



# 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*



## Classe H2 Bordo Ponte - Barriera 3 onde per manufatto W4 con pannello

Class H2 Bridge side - 3-waves guardrail for bridge W4 with fence

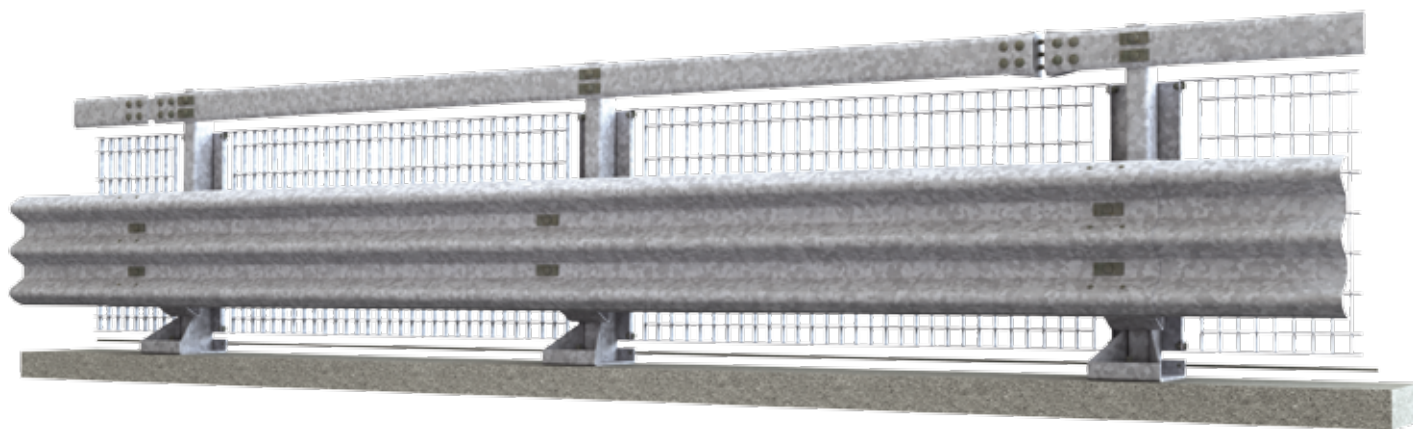
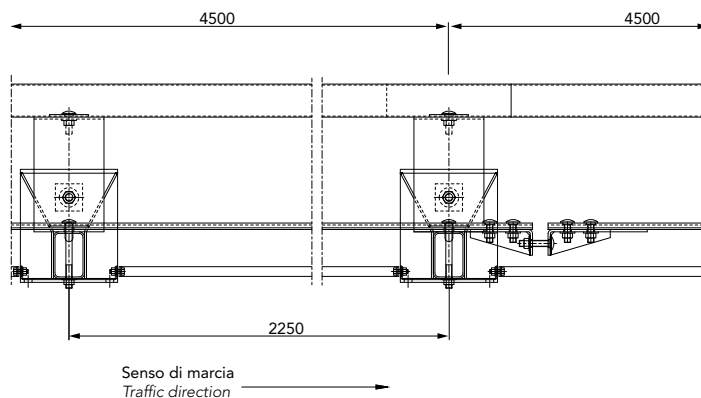
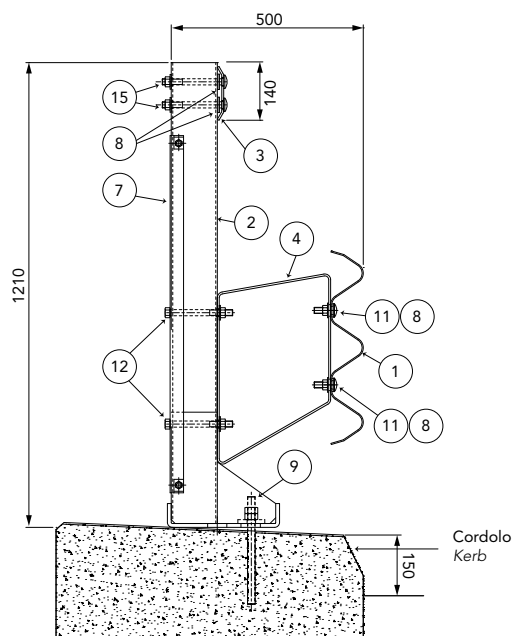
Aufhaltestufe H2 für Kunstbauten - 3-welliges Rückhaltesystem W4 mit Schutzgitter

Classe H2 Bord pont - Glissière 3 crosses simple pour pont W4 avec panneau

Clase H2 Borde de puente - Barrera de triple onda simple para base puente W4 con panel

# H2-W4

## 3-waves WF



### Caratteristiche Characteristics, Eigenschaften, Caractéristiques, Características

|  |              |
|--|--------------|
| <b>Altezza barriera</b> Barrier height, Höhe Leitplanke, Hauteur glissière de sécurité, Altura barrera   | 1200 ± 10 mm |
| <b>Profondità d'infissione tirafondi</b> Depth of anchor bolts penetration, Einschraubtiefe der Verankerungen, Prondeur de vissage des ancrages, Profundidad de anclaje varilla roscadaa | 170 mm       |
| <b>Ingombro trasversale</b> Overall width, Gesamtbreite, Grosseur hors tout, Anchura total   | 500 mm       |
| <b>Interasse pali</b> Post spacing, Steherabstand, Distance entre poteaux, Distancia entre postes  | 2250 mm      |

### 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 | ASI max 1.4 | THIV max 33 km/h | D m | Vi m | W m    |
|------------|----------|------|--------------|------------------|---------|------------|-------------|------------------|-----|------|--------|
| X91.03.L03 | TÜV      | TB51 | Laterale 20° | 78,75            | 13.000  | 70         | -           | -                | 1   | 1,2  | 1,3=W4 |
| X91.02.L02 | TÜV      | TB11 | Laterale 20° | 78,75            | 900     | 100        | 1,2=B       | 27               | 0,3 | -    | 0,8=W2 |

Sales office:

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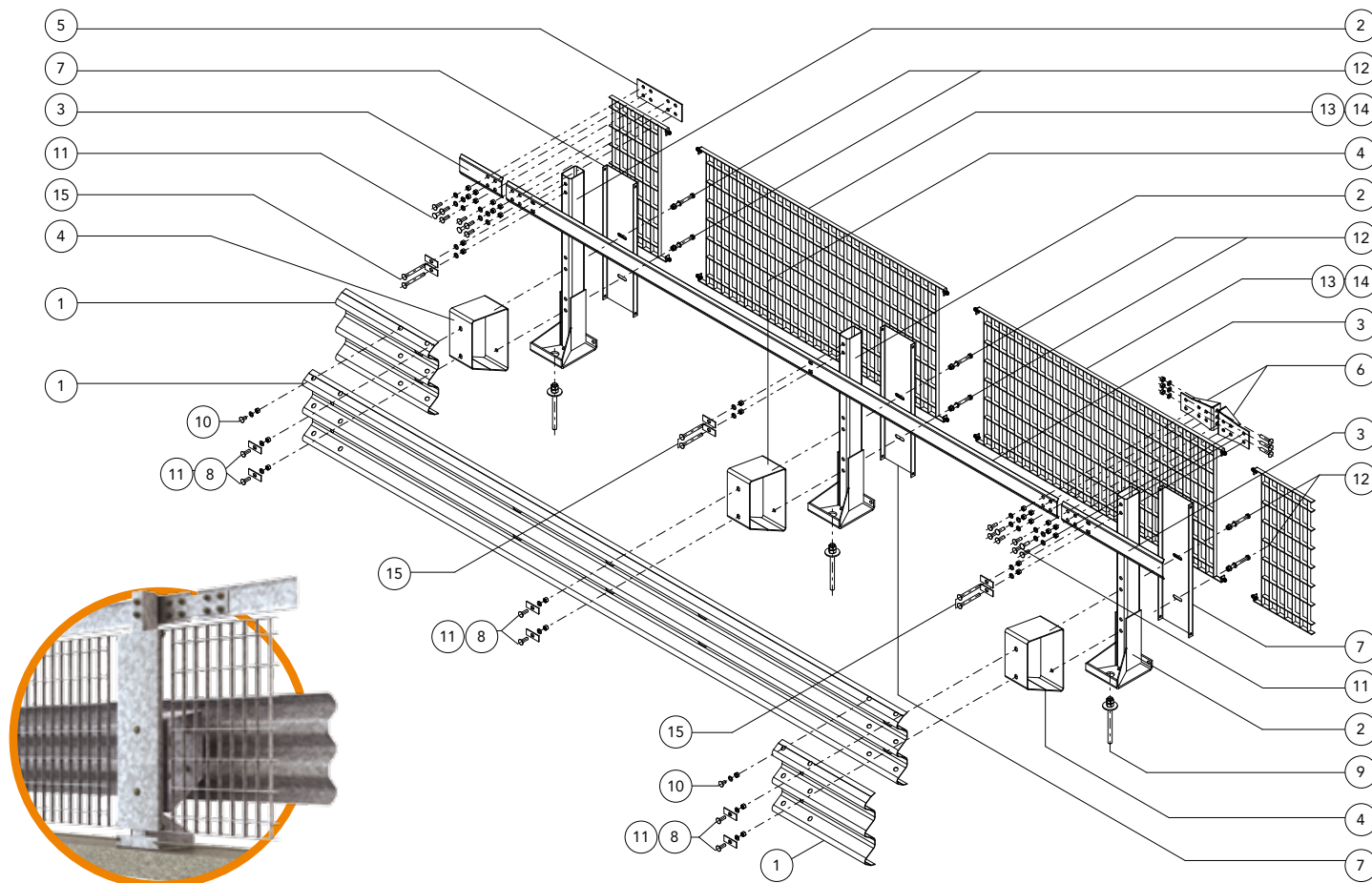
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Plants:

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**Componenti Components, Bauteile, Composants, Elementos**

|    | Descrizione<br>Description  |                           | Materiale<br>Material | Codice<br>Code  |
|----|---|---------------------------|-----------------------|-----------------|
| 13 | <b>Pannello in grigliato</b> Fence panel, Netzwerktafel, Panneau grillagé, Panel enrejado   | 1992x930 mm               | S 235 JR              | <b>59602717</b> |
| 15 |   | M16x160 mm                | Classe 8.8            | <b>63800417</b> |
| 14 |   | M10x30 mm                 | Classe 8.8            | <b>63800477</b> |
| 12 | <b>Bullone completo</b> Bolt with nut and washer, Schraube komplett, Boulon complet, Tornillo completo con tuerca y arandela  | M16x170 mm                | Classe 8.8            | <b>63800048</b> |
| 11 |   | M16x50 mm                 | Classe 8.8            | <b>63800014</b> |
| 10 |   | M16x30 mm                 | Classe 8.8            | <b>63800012</b> |
| 9  | <b>Tirafondo + 2 dadi + 1 rondella</b> Anchor bolt + 2 nuts + 1 washer, Verbundklebeankerschraube + 2 Mütter + 1 Unterlegscheibe, Tire-fond + 2 écrous + 1 rondelle, Varilla roscada + 2 tuercas + 1 arandela | M24x315 mm                | Classe 8.8            | <b>63800078</b> |
| 8  | <b>Piastrina copriasola</b> Slot covering plate, Lochabdeckplatte, Plaque de couverture fente, Placa cubre-ranura   | 100x40x4 mm               | S 275 JR              | <b>59600127</b> |
| 7  | <b>Attacco pannelli di protezione</b> Protection panel junction, Netzwerktafel-Unterstützungsplatte, Support panneau de protection, Ensemble panel de protection  |                           | S 235 JR              | <b>59602716</b> |
| 6  | <b>Elemento di trazione</b> Traction element, Zugelement, Élément de traction, Elemento de tracción   | Th=6 mm                   | S 235 JR              | <b>59601535</b> |
| 5  | <b>Piatto di collegamento</b> Connection plate, Anschlussplatte, Plaque de connexion, Platina de unión  | 120x360 Th=6 mm           | S 235 JR              | <b>59601533</b> |
| 4  | <b>Distanziatore romboidale</b> Rhomboidal spacer, Rhomboidisch. Abstandhalter, Entretoise en losange, Separador romboidal  | Th=5 mm                   | S 235 JR              | <b>59601255</b> |
| 3  | <b>Bandella superiore</b> Upper shaped plate, Oberer Bandstahl, Barre supérieure, Banda superior  | 140x4460x5 mm             | S 355 JR              | <b>59601531</b> |
| 2  | <b>Palo in tubo con piastra</b> Rectangular tube post with base plate, Vierkantrohrsteher mit Grundplatte, Poteau tubulaire avec plaque, Poste de tubo con placa  | 120x80 Th=4 H=1200 mm     | S 235 JR              | <b>59601542</b> |
| 1  | <b>Fascia 3 onde</b> 3-waves beam, 3-wellige Leitschiene, Glissière 3 crosses, Banda triple onda  | L=4816 (2250x2) Th=2,5 mm | S 235 JR              | <b>59300177</b> |



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