



BARRIERE IN ACCIAIO CORTEN® O ACCIAIO ZINCATO
CORTEN® STEEL OR HOT DIP GALVANIZED STEEL BARRIERS

OPTIMUS H3 BP 2



BORDO PONTE

Montanti verticali in acciaio "CORTEN®" S355J0WP o acciaio Zincato S355JR, sezione a "C" di dimensioni 120x80x25 mm, spessore 5 mm e lunghezza 1410 mm con piastra e fazzoletti di rinforzo saldati alla base; all'interno della "C" viene posto in opera un tozzetto di rinforzo di dimensioni 105x65 mm, spessore 3 mm e lunghezza 300 mm. I montanti sono posti ad interasse di 2000 mm ed ancorati al supporto con barre filettate Ø 24x300 mm e resina bicomponente.

Ai montanti è fissata una coppia di distanziatori, elementi in acciaio "CORTEN®" S355J0WP, o acciaio Zincato S355JR appositamente sagomati di dimensioni 200x120x92 mm, spessore 5 mm, ai quali vengono fissate le lamine orizzontali tripla onda in acciaio "CORTEN®" S355J0WP o acciaio Zincato S355JR di dimensioni 4318x502 mm, spessore 2,5 mm.

Sulla sommità dei montanti sono fissati i profili superiori, elementi in acciaio "CORTEN®" S355J0WP o acciaio Zincato S355JR con profilo a "Omega" di dimensioni 50x134x120x134x45 mm, spessore 5 mm, collegati l'uno all'altro per mezzo di appositi connettori con profilo a "Omega" di idonee dimensioni e lunghezza 500 mm. L'unione tra le componenti in acciaio è garantita da bulloni a testa esagonale ad alta resistenza: Cl. 8.8 M16x50 (Distanziatore - Montante - Connessione Profili Superiori); a testa tonda Cl. 8.8 M16x30 (Lamina - Distanziatore, Lamina - Lamina ed Elemento Superiore - Montante); dadi, rondelle e apposite piastrine copriasola.



MATERIALI - MATERIALS

CORTEN® STEEL
S355J0WP

ACCIAIO ZINCATO
HOT DIP GALVANIZED STEEL
S355JR

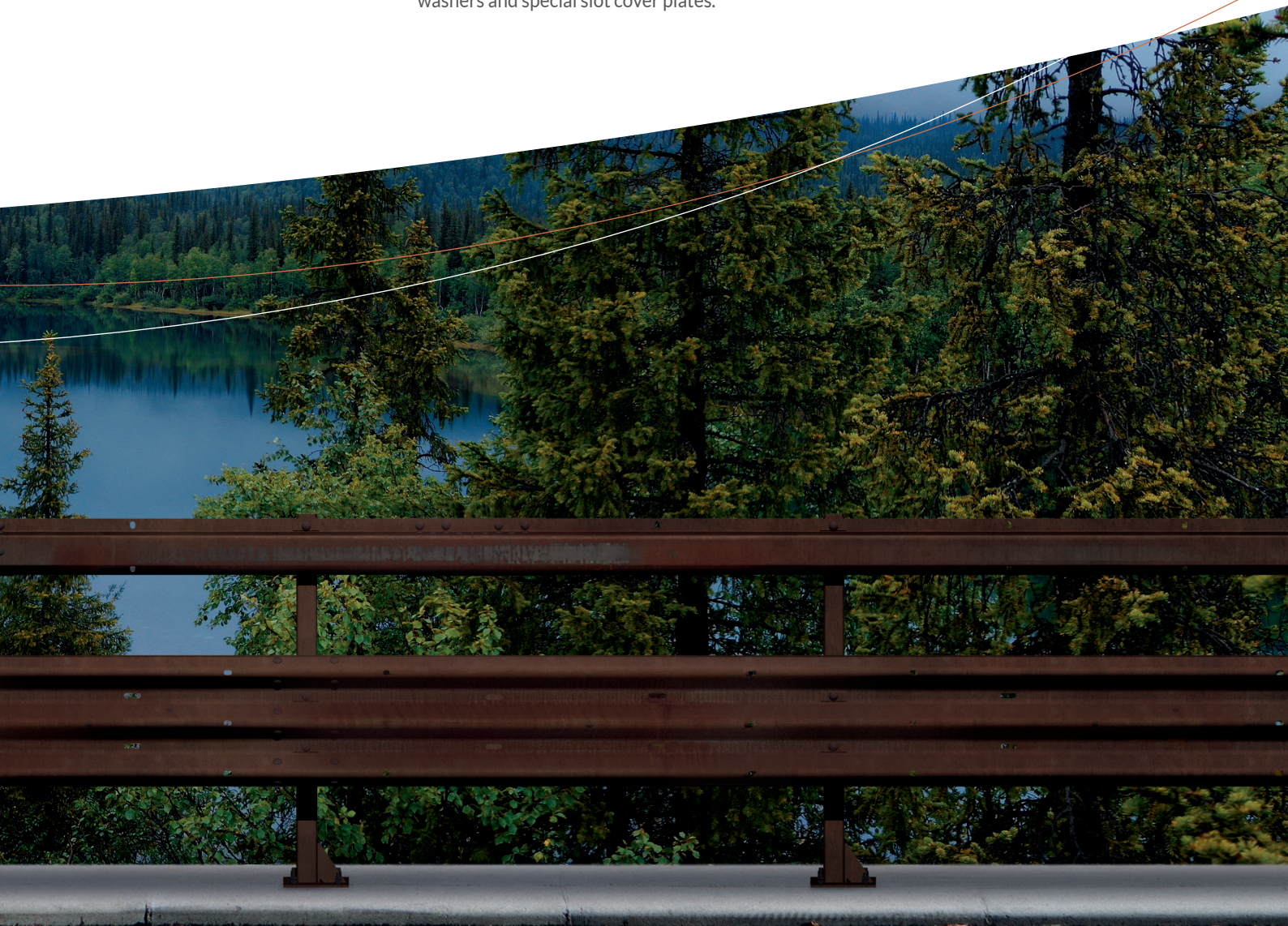
BRIDGE PROTECTION

Vertical posts in "CORTEN®" steel S355J0WP or hot dip galvanized S355JR steel, "C" section of dimensions 120x80x25 mm, thickness 5 mm and length 1410 mm with plate and reinforcement gussets welded to the base; inside the "C" posts a U-shaped reinforcement section of dimensions 105x65 mm, thickness 3 mm and length 300 mm long is inserted. The posts are placed at a distance of 2000 mm and anchored to the support with threaded bars Ø 24x300 mm and two-component resin.

A pair of spacers, elements in "CORTEN®" S355J0WP steel or hot dip galvanized S355JR steel, of dimensions 200x120x92 mm, thickness 5 mm, are fixed to the posts, to which are fixed the triple wave horizontal beams in S355J0WP "CORTEN®" or hot dip galvanized S355JR steel dimensions 4318x502 mm, thickness 2.5 mm.

The upper profiles are fixed on the top of the posts, elements in "CORTEN®" steel S355J0WP or hot dip galvanized S355JR steel with "Omega" profile, of dimensions 50x134x120x134x45 mm, thickness 5 mm, connected to each other by means of special connectors with profile to "Omega" of suitable dimensions and length 500 mm.

The union between the steel components is guaranteed by high-resistance hexagonal head bolts: Cl. 8.8 M16x50 (Spacer – Upright – Upper Profile Connection); round head Cl. 8.8 M16x30 (Lamina – Spacer, Lamina – Lamina and Upper Element – Upright); nuts, washers and special slot cover plates.





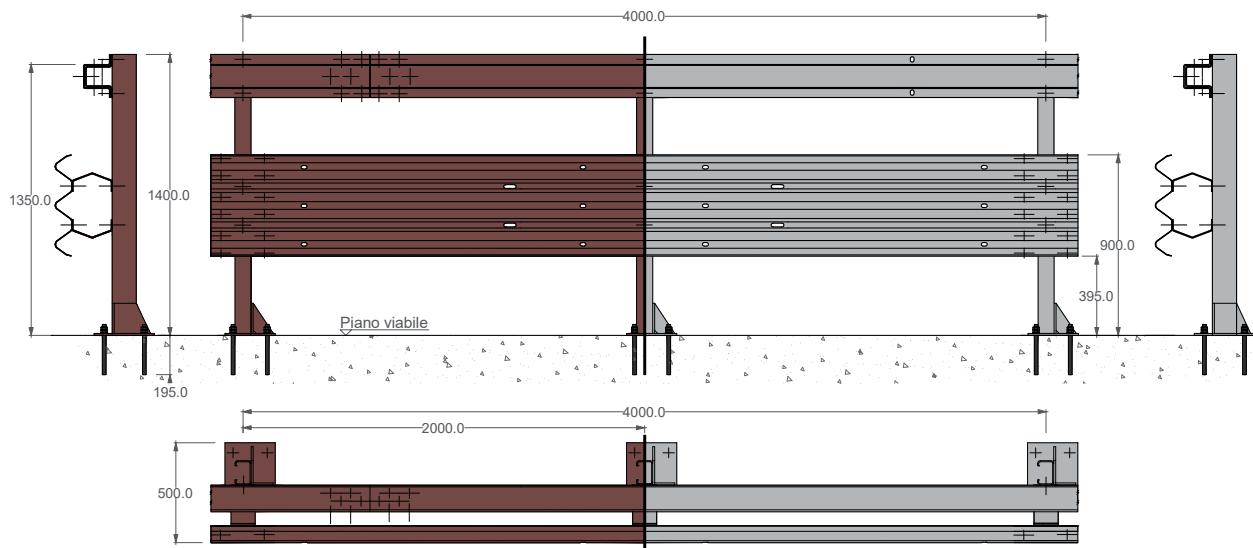
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PROSPETTI - VIEWS

H3 BP 2



EN 1317-5:2012 NORMATIVE

Modello Model	Interasse Post distance	Livello di contenimento Containment level	Deflessione dinamica normalizzata Normalized dynamic deflection	Larghezza operativa Working width	Lunghezza barriera installata Installed barrier length	Severità dell'urto Impact severity	Intrusione veicolo Vehicle intrusion
H3 BP 2	2 m	H3	2,0 m	W5 (1,7 m)	85 m	ASIA	VI 5 (1,5 m)



TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague, SOE

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Inspection Body • Prosecká 811/76a, Prosek, 190 00 Praha 9, Czech Republic

Notified Body 1020

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1020 – CPR – 090-064392

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

ROAD RESTRAINT SYSTEM

Variant: single-sided steel safety barrier

TVH3W5A-BP

Containment level	H3
Impact severity	A
Normalized working width	W5
Normalized vehicle intrusion	VI5
Resistance to snow removal	NPD

placed on the market under the name or trade mark of

VITA INTERNATIONAL SRL

Identification No.: IT03657470989

Address: Via Averolda 28-30-32, 25039 Travagliato (BS), Italy

and produced in the manufacturing plants:

Code format 001, 002, 003 and 004

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 1317-5:2007+A2:2012/AC:2012

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 3rd December 2024 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The stamp of the Notified Body 1020
Prague, 3rd December 2024




Martin Pešek
Deputy Manager of the Notified Body