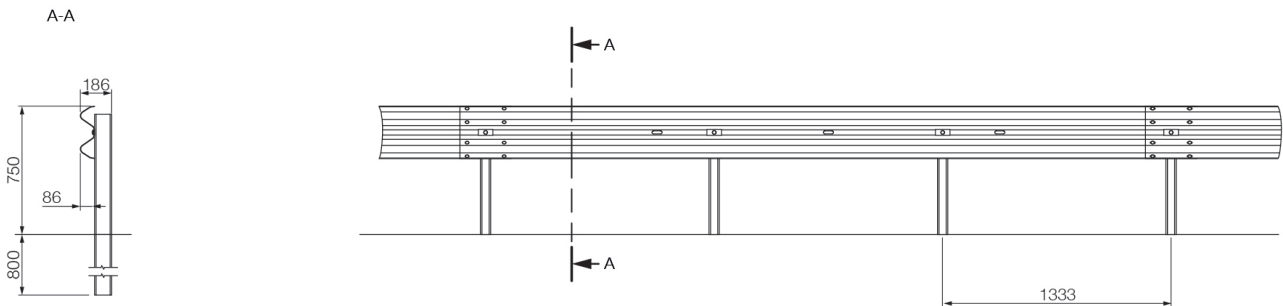


H2 | W4 | A | VI5

MegaRail  eo

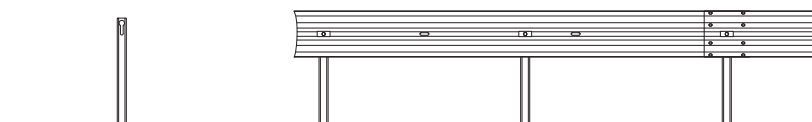
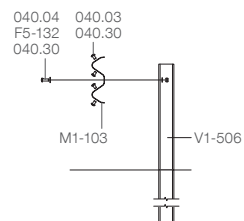
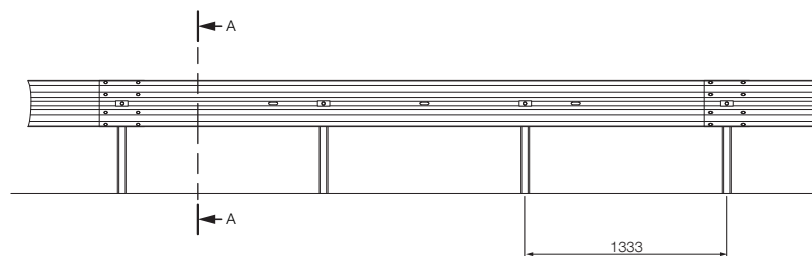
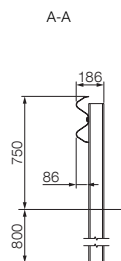


TECHNICAL SPECIFICATIONS

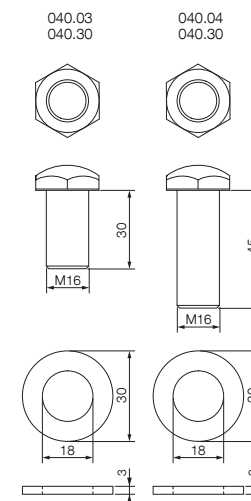
Working width (m)	Dyn. deflection (m)	Vehicle intrusion (m)
1.20	1.10	1.70
Construction width (m)	Construction height (m)	Post distance (m)
0.18	0.75	1.33
Application area driven in ground	Type Single	Test length (m)
		44.00

## Parts

Art. no.	Description	Qty / m
M1-103	Beam, A, 4.300 mm, 3.0	0.25
V1-506	Post, C100x60, 1.500 mm, 5.0	0.75
F5-132	Plate M16, 85x35x4.0 mm	0.75
040.03	Panhead bolt M16x30, 8.8	2
040.04	Panhead bolt M16x45, 8.8	0.75
040.30	Washer, Ø18x30	2.75



## Fasteners



Attention! Change of the part numbers: 001.59 = M1-103 / 010.70 = F5-132

**Systemübersicht** · System overview · Présentation du système · Panorámica del sistema · Descripción general del sistema · Visão geral do sistema · Přehled systému  
 Systeme Genel Bakış · Przegląd systemu · Обзор системы · Prezentare generală sistem · Overzicht van het systeem · Systemtegning · Systemritning · نظرة عامة للنظام

**MegaRail eo**

H2 · W4 · A L2 · W4 · A N2 · W1 · A



**NOTIFIED BODY No. 1488  
INSTYTUT TECHNIKI BUDOWLANEJ  
CERTIFICATION DEPARTMENT**

ul. FILTROWA 1, 00-611 WARSZAWA  
tel.: + 48 (22) 57 96 167, + 48 (22) 57 96 168  
e-mail: certyfikacja@itb.pl, www.itb.pl



**CERTIFICATE OF CONSTANCY OF PERFORMANCE  
1488-CPR-0896/W**

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

**Vehicle Restraint System  
MegaRail eo**

general identification, intended use and performance of the product are described in the Annex No. Z-1488-CPR-0896/W which is an integral part of this certificate

placed on the market under the name or trade mark of:

**Saferoad RRS GmbH  
Bongard-und-Lind-Straße 1  
DE-56414 Weroth  
Germany**

and produced in the manufacturing plant:

**Inter Metal Sp. z o.o.  
ul. Marcinkowskiego 150  
88-100 Inowrocław  
Poland**

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**

with the corrigendum

**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 20.11.2020 (updated on 28.01.2021, 23.02.2021, 24.05.2021, 17.02.2022, 19.01.2023) 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.

HEAD  
of the Certification Department

Katarzyna Hatowska, M.Sc. Eng.



DEPUTY DIRECTOR  
of Instytut Techniki Budowlanej

Anna Panek, M.Sc. Eng.

Warsaw, 19.01.2023

**Annex no. Z-1488-CPR-0896/W, page 1/2 to the Certificate no. 1488-CPR-0896/W**

Type of barrier	Containment level	Impact severity	Normalized working width	Normalized dynamic deflection	Normalized vehicle intrusion	Identification/ Test report	Type of impact test	Durability	Resistance to snow removal
MegaRail eo	H2	A	W4	1,1	VI5	TO-2/23/20 TO-2/22/20 IBDiM technical opinion no. TO-401/117/5380/2020 IBDiM technical opinion no. TO-401/14/370/2021 IBDiM technical opinion no. TO-401/42/751/2021 IBDiM technical opinion no. TO-401/68/2589/2021 IBDiM technical opinion no. TO-401/026/635/2022	TB 11 TB 51	hot-dip galvanising in accordance with EN ISO 1461	4
	N2	B	W1	0,5	-	TO-2/23/20 TO-2/18/21 IBDiM technical opinion no. TO-401/026/635/2022	TB 11 TB 32	hot-dip galvanising in accordance with EN ISO 1461	4
	L2	B	W4	1,1	VI5	TO-2/23/20 TO-2/18/21 TO-2/22/20 IBDiM technical opinion no. TO-401/026/635/2022	TB 11 TB 32 TB 51	hot-dip galvanising in accordance with EN ISO 1461	4

Modification no. 1 (related to H2 containment level)

Modification – category B according to EN 1317-5:2007+A2:2012 with the corrigendum EN 1317-5:2007+A2:2012/AC:2012

Scope of modification: changing the beam from type B to type A

Related documents:

IBDiM technical opinion no. TO-401/117/5380/2020 of 16.10.2020

Technical Report no. 188004 of 05.10.2020

Technical Report no. 189004 of 06.10.2020

Installation instructions for the Vehicle Restraint System MegaRail eo issue 10/2020

Technical drawings no. K134010-1-1 and K134020-1-1

Modification no. 2 (related to H2 containment level)

Modification – category B according to EN 1317-5:2007+A2:2012 with the corrigendum EN 1317-5:2007+A2:2012/AC:2012

Scope of modification: changing the guide profile from type A with the number M1-103 to type A

with the number 60066

Related documents:

IBDiM technical opinion no. TO-401/14/370/2021 of 20.01.2021

Technical Report no. 188004 of 05.10.2020

Technical Report no. 189004 of 06.10.2020

The static calculation of 30.11.2020 (the guide profile type A with the number M1-103)

The static calculation of 01.12.2020 (the guide profile type A with the number 60066)

Installation instructions for the Vehicle Restraint System MegaRail eo issue 01/2021

Technical drawing no. K134010-2-1

Modification no. 3 (related to H2 containment level)

Modification – category B according to EN 1317-5:2007+A2:2012 with the corrigendum EN 1317-5:2007+A2:2012/AC:2012

Scope of modification: possibility of installing the Vehicle Restraint System MegaRail eo with a height of 0.85 m

Related documents:

IBDiM technical opinion no. TO-401/42/751/2021 of 08.02.2021

Technical Report no. 188004 of 05.10.2020

Technical Report no. 189004 of 004.02.2021

Installation instructions for the Vehicle Restraint System MegaRail eo issue 02/2021

Technical drawing no. K134020-M2-1

HEAD

of the Certification Department



Katarzyna Hatowska, M.Sc. Eng.



DEPUTY DIRECTOR  
of Instytut Techniki Budowlanej



Anna Panek, M.Sc. Eng.

Warsaw, 19.01.2023



**NOTIFIED BODY No. 1488  
INSTYTUT TECHNIKI BUDOWLANEJ  
CERTIFICATION DEPARTMENT**

ul. FILTROWA 1, 00-611 WARSZAWA  
ph.: +48 (22) 57 96 167, +48 (22) 57 96 168, fax: +48 (22) 57 96 295  
e-mail: [certyfikacja@itb.pl](mailto:certyfikacja@itb.pl), [www.itb.pl](http://www.itb.pl)



**Annex no. Z-1488-CPR-0896/W, page 2/2 to the Certificate no. 1488-CPR-0896/W**

Modification no. 4 (related to H2 containment level)

Modification – category B according to EN 1317-5:2007+A2:2012 with the corrigendum EN 1317-5:2007+A2:2012/AC:2012  
Scope of modification: the possibility of replacing the B-type beam with the SLO-type beam

Related documents:

IBDiM technical opinion no. TO-401/68/2589/2021 of 10.05.2021

Technical Report no. 188004 of 05.10.2020

Technical Report no. 189009 of 03.05.2021

Installation instructions for the Vehicle Restraint System MegaRail eo issue 05/2021

Technical drawing no. K134010-M4-1

Modification no. 5 (related to H2, N2 and L2 containment levels)

Modification – category B according to EN 1317-5:2007+A2:2012 with the corrigendum EN 1317-5:2007+A2:2012/AC:2012  
Scope of modification: the possibility of interchangeable use of a post in soil, type C100x60x25, L=1500 mm, wall thickness 5 mm, made of S355 steel for a post type C100x60x25, L=670 mm, wall thickness 5 mm, made of steel S355 with a baseplate from steel anchored to a concrete base

Related documents:

IBDiM technical opinion no. TO-401/026/635/2022 of 07.02.2022

Technical Report no. R-2021-043 of 10.12.2021

Technical Report no. R-2021-046 of 13.12.2021

Technical Report no. R-2021-042 of 10.12.2021

Technical Report no. R-2021-045 of 13.12.2021

Technical Report no. R-2021-044 of 13.12.2021

Technical Report no. R-2021-047 of 13.12.2021

Installation instructions for the Vehicle Restraint System MegaRail eo issue 10/2021

Technical drawing no. K1xx020-1-1

Modification no. 6 (related to H2, N2 and L2 containment levels)

Modification – category A according to EN 1317-5:2007+A2:2012 with the corrigendum EN 1317-5:2007+A2:2012/AC:2012  
Scope of modification:

change of post width tolerance according to technical drawing V1-506 rev.2 of 11.01.2023 from 100±2 mm to 100±3 mm

Related documents:

Installation instructions for the Vehicle Restraint System MegaRail eo issue 01/2023

Technical drawing no. V1-506 rev.2 of 11.01.2023

**Duplicate**  
this original is property of Saferoad RRS GmbH, Bergstraße 1, 56414 Werth / Germany

HEAD  
of the Certification Department

Katarzyna Hatowska, M.Sc. Eng.



Warsaw, 19.01.2023

DEPUTY DIRECTOR  
of Instytut Techniki Budowlanej

Anna Panek, M.Sc. Eng.



**INSTYTUT TECHNIKI BUDOWLANEJ  
CERTIFICATION DEPARTMENT**

ul. FILTROWA 1, 00-611 WARSZAWA  
tel.: +48 (22) 57 96 167, +48 (22) 57 96 168  
e-mail: certyfikacja@itb.pl, www.itb.pl

**CERTIFICATION MARK**

The company:

**Saferoad RRS GmbH  
Bongard-und-Lind-Straße 1  
DE-56414 Weroth  
Germany**

being the manufacturer of the product:

**Vehicle Restraint System  
MegaRail eo**

is authorized to use  
the ITB certification mark „WYRÓB BUDOWLANY”  
during the period of validity of the certificate no. 1488-CPR-0896/W



**1488-CPR-0896/W**

HEAD  
of the Certification Department

Katarzyna Hatowska, M.Sc. Eng.



DEPUTY DIRECTOR  
of Instytut Techniki Budowlanej

Anna Panek, M.Sc. Eng.

Warsaw, 19.01.2023

# Leistungserklärung · Declaration of Performance

No. 1340/20230119

nach Bauproduktenverordnung 305/2011 für das Rückhaltesystem  
In accordance with construction products regulation 305/2011 for restraining systems

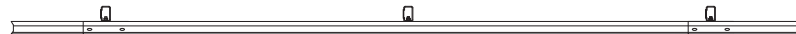
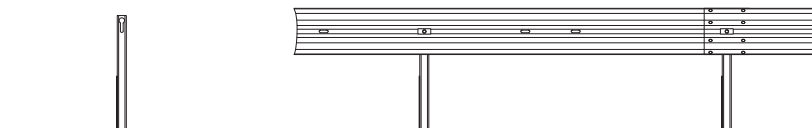
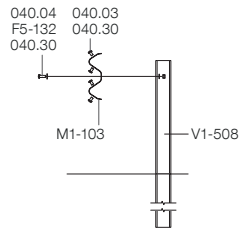
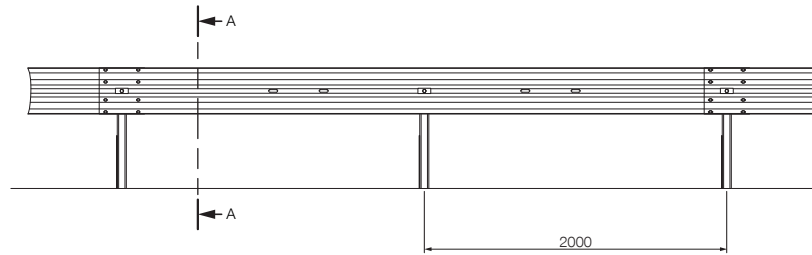
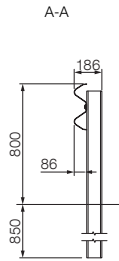
## MegaRail eo

Hersteller Manufacturer	Saferoad RRS GmbH Bongard-und-Lind-Straße 1 56414 Weroth/ Germany			
Eindeutiger Kenncode des Produkttyps Unique identification code of the product-type	<b>MegaRail eo</b>			
Verwendungszweck Intended use	Fahrzeurückhaltesystem im Straßenverkehrsraum Vehicle Restraint System for circulations areas			
System zur Bewertung und Überprüfung der Leistungsbeständigkeit System of AVCP	1			
Notifizierte Stelle Notified Body	INSTYTUT TECHNIKI BUDOWLANEJ ul. Filtrowa 1 00-611 Warszawa/ Poland			
EU-Notifizierungsnummer EU-Notification number	1488			
Wesentliche Merkmale Declared performances				
Leistung beim Anprall Performance under impact	Aufhaltestufe Containment Level	<b>H2</b>	<b>N2</b>	<b>L2</b>
	Anprallheftigkeit Impact Severity	<b>A</b>	<b>B</b>	<b>B</b>
	Normalisierter Wirkungsbereich Normalized Working Width	<b>W4</b>	<b>W1</b>	<b>W4</b>
	Normalisierte Dynamische Durchbiegung [m] Normalized Dynamic Deflection [m]	<b>1.1</b>	<b>0.5</b>	<b>1.1</b>
	Normalisierte Fahrzeugeindringung Normalized Vehicle Intrusion	<b>VI5</b>	<b>-</b>	<b>VI5</b>
Dauerhaftigkeit Durability	Stahl, verzinkt nach EN 1461 Steel, galvanized according to EN 1461			
Klasse der Beständigkeit gegenüber Schneeräumung Snow Removal Class	4			
Zertifikat der Leistungsbeständigkeit Certificate of consistency of performance	1488-CPR-0896/W			
Harmonisierte Norm Harmonised standard	EN 1317-5:2007+A2:2012, EN 1317-5:2007+A2:2012/AC:2012			

Die Leistung des vorstehenden Produkts entspricht den erklärten Leistungen. Für die Erstellung der Leistungserklärung im Einklang mit der Verordnung (EU) Nr. 305/2011 ist allein der obengenannte Hersteller verantwortlich.  
The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Weroth, 19.01.2023

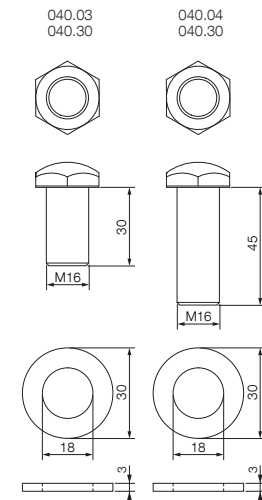
i. V.   
**Thomas Knaus**  
Manager Technical Certifications



## Parts

Art. no.	Description	Qty / m
M1-103	Beam, A, 4.300 mm, 3.0	0.25
V1-508	Post, C100x60, 1.600 mm, 5.0	0.50
F5-132	Plate M16, 85x35x4.0 mm	0.50
040.03	Panhead bolt M16x30, 8.8	2
040.04	Panhead bolt M16x45, 8.8	0.50
040.30	Washer, Ø18x30	2.50

## Fasteners



Attention! Change of the part numbers: 001.59 = M1-103 / 010.70 = F5-132

**Systemübersicht** · System overview · Présentation du système · Panoramica del sistema · Descripción general del sistema · Visão geral do sistema · Přehled systému  
 Systeme Genel Bakış · Przewgląd systemu · Обзор системы · Prezentare generală sistem · Overzicht van het systeem · Systemtegning · Systemritning · نظرة عامة للنظام

## MegaRail eq

H2 · W4 · A