

Brick Guardrail Nets

Manfred Huck GmbH
(vertical safety nets EN 1263-1 Typ U)

Usage and assembly instructions

article number	mesh size	assembly method	EuroTest certificate number
3000 until 3004	45 mm 60 mm 100 mm	stringed	PS 20100004 PS 18100021 PS 18100022
3005 until 3008	45 mm 60 mm 100 mm	sewn on webbing with clamp lock	PS 18100023 PS 18100024 PS 18100025
3005 until 3008	45 mm 60 mm 100 mm	sewn on isilink clip	PS 18100026 PS 18100027 PS 18100028



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Please note the explanations, abbreviations and signs.
If you have any queries, please contact the manufacturer.

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1 Foreword – Brick Guardrail Nets

 ATTENTION	The safety device may not to be installed or used until the fitter and the user have read the original instructions for installation and use in their respective translation.	EN
 ACHTUNG	Die Montage und die Verwendung der Sicherheitseinrichtung ist erst zulässig, nachdem der Monteur und der Anwender die Original Montage- und Bedienungsanleitung in der jeweiligen Landessprache gelesen hat.	DE
 ATTENTION	Montage et utilisation du dispositif de sécurité autorisés seulement après que le monteur et l'utilisateur ont lu les instructions originales de mise en place et d'utilisation dans leur langue nationale respective.	FR
 ATTENZIONE	Il montaggio e l'utilizzo del dispositivo di sicurezza è consentito soltanto dopo che l'installatore e l'utilizzatore hanno letto le istruzioni di montaggio e d'uso originali nella lingua del proprio paese.	IT
 ATTENTIE	De montage en het gebruik van de veiligheidsinrichting is pas toegestaan, nadat de monteur en de gebruiker de originele montage- en gebruikershandleiding in de betreffende taal gelezen hebben.	NL
 OBS	Säkerhetsanordningen får inte monteras och användas förrän montören och användaren har last igenom monterings- och användningsinstruktionen i original på respektive lands språk.	SE
 GIV AGT	Montagen og anvendelsen af sikkerhedsudstyret er først tilladt efter at montøren og brugeren har læst den originale i opbygning og anvendelse i det pågældende lands sprog.	DK
 ATENCIÓN	El montaje y el uso del dispositivo de seguridad solo está permitido después de que el montador y el usuario hayan leído las instrucciones originales de montaje y de uso en el idioma del respectivo país.	ES
 ATENÇÃO	A montagem e o uso do dispositivo de fixação apenas é permitido depois de o técnico de montagem e o utilizador terem lido as Instruções de montagem genuínas nas suas respectivas língua nacionais.	PT
 UWAGA	Montaż i użytkowanie urządzenia zabezpieczającego dozwolone jest dopiero wtedy, gdy monter i użytkownik przeczytają oryginalną instrukcję montażu i użytkowania w swoim języku.	PL
 POZOR	Montáž a použití zajišťovacího zařízení jsou povoleny teprve tehdy, když si montér a uživatel přečetli originální návod k instalaci a použití v jazyce dané země.	CZ
 FIGYELEM	A biztonsági berendezés felszerelése és használatá csak az után megengedett, hogy a szerelő és az üzemeltető olvasta a saját nyelvére lefordított, eredeti felszerelési és használati utasítást.	HU
 DİKKAT	Güvenlik tertibatının montajı ve kullanımı ancak, montaj teknisyeni ve kullanıcı, orijinal Yapım ve Kullanım Talimatını ilgili ülke dilinde okuduktan sonra iznildir.	TR

2 Safety Information



The following safety instructions and the current state of technology must be taken into account before use.

The user must determine the necessary measures for the safe provision and use of work equipment on the basis of a risk assessment in accordance with § 5 of the Occupational Health and Safety Law. In particular, he must take into account the hazards associated with the use of the work equipment itself and those caused by interaction at the place of use. Additionally country-specific health and safety regulations must be followed.

- The assembly instructions must be read completely. The usage as well as the limitations of the safety system and their risks during use are to be understood and accepted.
- The system is only allowed to be installed by people who are familiar with these operating instructions and the locally applicable safety regulations and who are physically and mentally healthy.
- Before Installation, all individual components of the rope nets must be checked to ensure that they are in perfect condition. Damaged parts are not allowed to be used. If there is any doubt about the safe function of the safety system, it must be checked by an expert including written documentation.
- During use of the system, the relevant accident prevention regulations (e.g. when working in areas where there is a risk of falling) must be followed.
- The operating instructions must be kept with the product or made available online.
- The test sheet as well as the test protocol must be filled in carefully.
- The safety system is intended for securing persons and is not allowed to be used for other purposes. Never place or hang undefined loads in the safety system.
- Users must ensure that the substructure is suitable for mounting the brick guardrail nets.
- In case of any uncertainties during installation, it is mandatory to contact the manufacturer.
- It is not allowed to make any changes on the brick guardrail nets.
- The use of the system is no longer allowed if damage to the material, net, fasteners etc. is visible.
- The brick guardrail nets must be checked annually with regard to their protective effect for the coming year. For this purpose, the test meshes attached to the net by the manufacturer must be sent to the manufacturer for inspection.
- After a load due to falling or bumping persons, the safety nets must be checked and replaced if necessary.

3 Components, dimension, material, application

Components and dimension net:

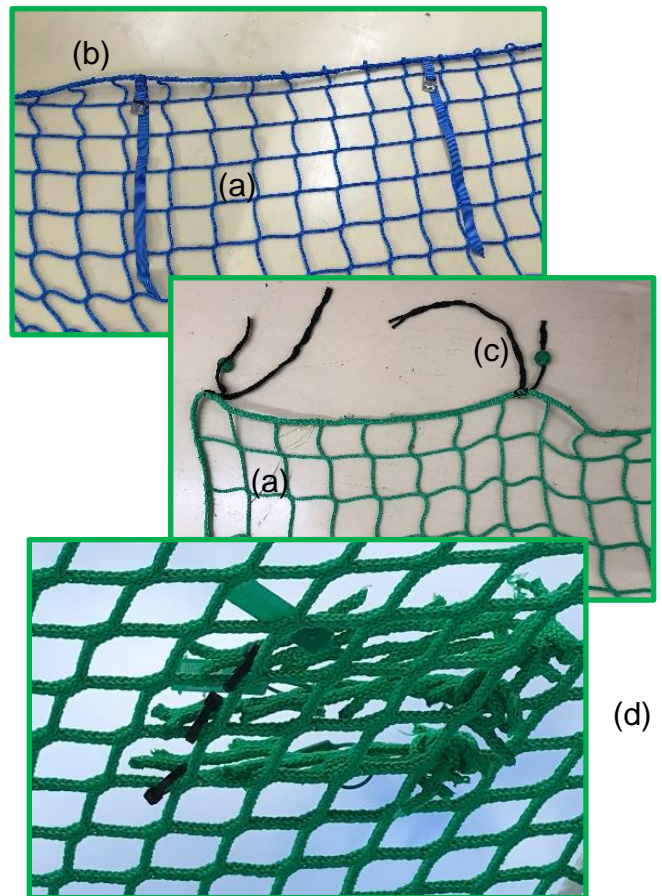
- (a) Net
- (b) Depending on type: buckled straps
- (c) Depending on type: Isilink clips
- (d) Test meshes

Material

- Net: high tenacity polypropylene
- Buckled straps: Polyester, aluminium
- Isilink clip: Polypropylene

Dimensions

Article-Nr.:	Dimensions:
3000	variable
3001, 3005	1.5 m x 5 m
3002, 3006	2 m x 5 m
3003, 3007	1.5 m x 10 m
3004, 3008	2 m x 10 m



Application

The constructional design is made as a vertical rope net. The rope nets are used for fall protection. The nets are attached to a suitable substructure, e.g. a scaffold.

The fastening is done either

- by threading onto the scaffold tubes
- by buckled straps
- by Isilink clips

It is mandatory to follow the fastening details (see next page)

Safety nets must be connected to each other or to other safety nets by means of coupling ropes. There must be no gaps of more than 100 mm at the seam and the safety nets must not shift more than 100 mm in relation to each other.

(See DIN EN 1263-2 Safety requirements for the installation)



Variant 1: Fastening to the scaffold tube

The brick guardrail nets are threaded onto the top and bottom of the scaffold tube.

Mesh size	Method
Approx. 45 (50) mm	Into every 3rd mesh
60 mm	Into every 3rd mesh
100 mm	Into every mesh



Example for mesh size approx. 45 (50) and 60 mm: The mesh is threaded onto the scaffold tube in every 3rd mesh.

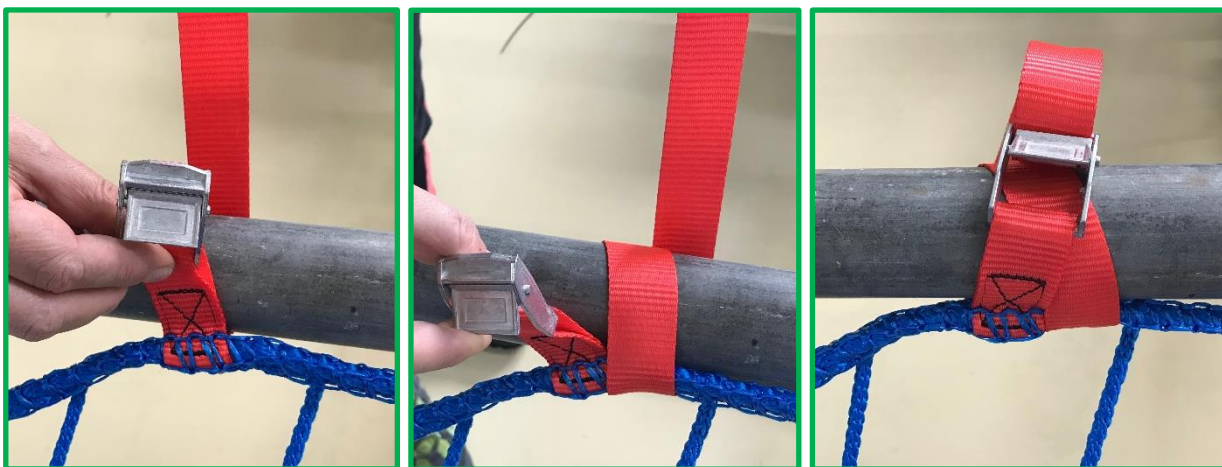
At the sides (left and right), the net must be secured against sliding/slipping and bending (Buckled straps at the corners and possibly in between, for net heights > 1m).

Variant 2: Fastening with sewn on buckled straps

The buckled straps are already sewn to the net approx. every 75 cm.

Important: The loose end of the webbing must be completely wrapped around the scaffold tube 1 time before it is inserted into the clamp lock.

This ensures that the loads are better transferred into the scaffold tube in an emergency.

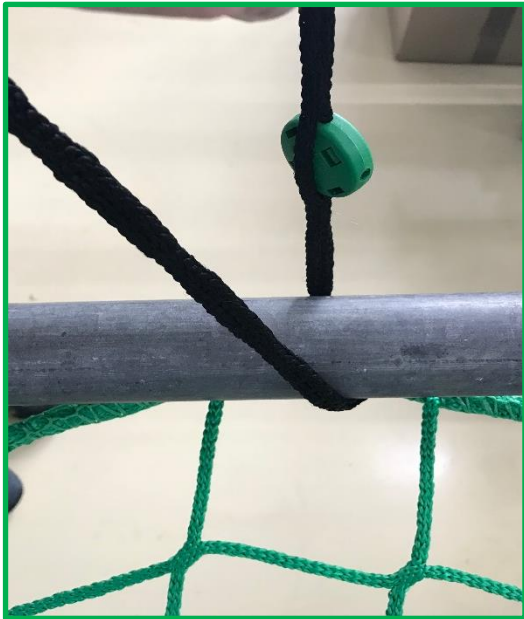


Variant 3: Fastening with sewn on Isilink clips

The Isilink clips are already sewn to the net approx. every 75 cm.

Important: The loose end of the isilink clip must be completely wrapped around the scaffold tube 1 time before the clip is inserted through an opening in the rope. It should be noted that the adjacent net mesh is also included once again when the tube is folded over in this way.

This ensures that the loads are better transferred into the scaffold tube in an emergency.



4 Storage and care

Storage: Store the safety system in a suitable protective cover to protect it from UV radiation, chemicals, moisture, heat sources and other environmental influences.

Care: If necessary, clean with lukewarm water and mild soap. Wash off with clean water and allow to air dry. Do not dry in a dryer and do not use other heat sources to dry the safety system.

5 Substructure

The substructure must be suitable for absorbing the loads. The load transfer in the substructure is determined by a corresponding static calculation, which must be available before the start of assembly. Usually, this is given for properly erected scaffolds, according to the information provided by the scaffold manufacturer.


The person responsible for the installation must record in a note that all connections (fastenings) are in place and have been made correctly.

6 Standards

The nets are manufactured according to DIN EN 1263-1.

7 Signs and markings

The nets are marked with a label.

Naming	Safety net
Standard	EN 1263-1
Mesh design	Q (square)
Safety net system	U
Net alignment	vertical
Mesh size [mm]	M45 / M60 / M100
Serial number	Yes; seal number
Specification of minimum breaking force and minimum breaking energy	According to ISO 1806
Name or logo of the net manufacturer	
Manufacturing date	MM.JJJJ
Note that the operating instructions must be followed	Yes + QR-Code

8 Production and distribution

Manfred Huck GmbH

Netz- und Seilfabrik

Asslarer Weg 13-15

D - 35614 Asslar-Berghausen

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Telefax: +49 (0) 64 43 63 - 29

E-Mail: sales.de@huck.net

Internet: www.huck.net

Institution involved in third-party monitoring

Employer's Liability Insurance Association for the Construction Industry (BG-Bau)

9 Inspection and Life span

To check by the user before each use:

- Ropes and seams for damage (cracks, cuts, fraying, abrasion, or other damage).
- Metal and plastic parts for damage
- Test sheet on certificate

Annual review:

There are 3 test meshes on the net, which are fastened with cable ties. One of these test meshes must be sent to the manufacturer annually.

- Carefully cut off the cable tie with which the test mesh is attached to the net.
Do not damage the net and the test meshes when doing so!
- Send the test meshes incl. the seal with the serial number to the manufacturer (Manfred Huck GmbH).

The safety system must be visually inspected and functionally tested at least every 12 months by a suitable, competent person, as the safety of the user depends on the effectiveness and durability of the equipment. Depending on the intensity of use and the environment, shorter inspection intervals may be required.

The inspection must be documented in the test sheet and the test protocol and kept together with the safety system.

If the safety net no longer appears to be safe, it is not allowed to be used and must be replaced immediately.



Do not use if:

- Damage or wear to components is evident.
- Stress due to fall has occurred.
- The maximum duration of use has expired.
- The product labeling is no longer readable.

Safety nets have test meshes incorporated by the manufacturer to determine the reduction in strength due to aging. Their minimum breaking strength is indicated on the label. Testing has to be carried out in accordance with DIN EN 1263-1 Section 7. The address of a testing institute can be asked for by the net manufacturer or the responsible employer's liability insurance association.

Repairs, additions or changes to the safety system can only be carried out by the manufacturer.

10 Duration of use

The duration of use of the safety system depends on the respective use and cannot be defined in general terms due to different operating conditions, use, care and storage.

Safety nets may be used without testing of the test meshes only within 12 months after manufacture or retesting. Thereafter, it shall again be demonstrated by testing, that the minimum energy absorption capacity of the test mesh does not fall below the minimum value.

11 Test sheet -- Safety net

Product:	Brick guardrail net:		
Size:			
Manufacturer:	Manfred Huck GmbH		
Production year:		Serial number:	
Date of first use:			
Owner / Company:			
Date:	Remarks , Inspection findings:		Signature tester:

12 Test protocol -- Template

Product:	Brick guardrail net:
Serial number net:	
Annual system check performed on:	
Next check by no later than:	
Checkpoints	Identified deficiencies / measures
Documentaries:	
Installation instructions brick guardrail net	
Visible parts	
Damages visible	
soiling	
Fraying on mesh or fastening elements	
Secure fixing point	
Additional comments:	
Test result, inspection result:	
Attention: Fill in the test sheet as well	
The safety system complies with the manufacturer's instructions for assembly and use and the state of technology. The reliability of the safety system is confirmed.	
Comments:	
Competent person familiar with the safety system	
Name: _____ Signature: _____	