

# Hammer & Discus Cage Net

Manfred Huck GmbH

## Instructions For Assembly and Use

Item Number	Mesh Width	Mesh Shape	Net Rating
613 Discus net	45 mm +/- 1 mm	square	EN 1263-1, B1
614 Discus net	45 mm +/- 1 mm	diamond	EN 1263-1, B1
650 Hammer net	45 mm +/- 1 mm	square	EN 1263-1, B1
651 Hammer net	45 mm +/- 1 mm	diamond	EN 1263-1, B1
















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**Please pay attention to the instructions, abbreviations and drawings.**  
**In case of further queries please contact the manufacturer**

## Contents

1	Foreword – Hammer and Discus Cage Net .....	3
2	Safety Instructions.....	4
3	Parts, Dimensions, Materials, Usage, Fixing .....	5
4	Storage and Care .....	7
5	Substructure.....	7
6	Standards.....	7
7	Symbols and Labels .....	8
8	Production and Sales .....	9
9	Inspection/ Duration of Use .....	9
10	Duration of Use .....	10
11	Test Sheet -- Safety Net.....	11
12	Test Log -- Master Copy .....	12

# 1 Foreword – Hammer and Discus Cage Net

 <b>Achtung</b>	<p>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.</p>	<b>DE</b>
 <b>ATTENTION</b>	<p>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 native language.</p>	<b>EN</b>
 <b>ATTENTION</b>	<p>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.</p>	<b>FR</b>
 <b>ATTENZIONE</b>	<p>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.</p>	<b>IT</b>
 <b>ATTENTIE</b>	<p>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.</p>	<b>NL</b>
 <b>OBS</b>	<p>Säkerhetsanordningen får inte monteras och användas förrän montören och användaren har läst igenom monterings- och användningsinstruktionen i original på respektive lands språk.</p>	<b>SE</b>
 <b>GIV AGT</b>	<p>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.</p>	<b>DK</b>
 <b>ATENCIÓN</b>	<p>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.</p>	<b>ES</b>
 <b>ATENÇÃO</b>	<p>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.</p>	<b>PT</b>
 <b>UWAGA</b>	<p>Montaż i użytkowanie urządzenia zabezpieczającego dozwolone jest dopiero wtedy, gdy monter i użytkownik przeczytają oryginalną instrukcję montażu i użytkowania w swoim języku.</p>	<b>PL</b>
 <b>POZOR</b>	<p>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.</p>	<b>CZ</b>
 <b>FIGYELEM</b>	<p>A biztonsági berendezés felszerelése és használatát csak az után megengedett, hogy a szerelő és az üzemeltető olvasta a saját nyelvére lefordított, eredeti felszerelési és használati utasítást.</p>	<b>HU</b>
 <b>DİKKAT</b>	<p>Güvenlik tertibatının montajı ve kullanımı ancak, montaj teknisyeni ve kullanıcı, orijinal Yapım ve Kullanım Talimatını ilgili ülkede dilinde okuduktan sonra izinlidir.</p>	<b>TR</b>

## 2 Safety Instructions



**Additionally, local and national health and safety regulations should be observed.**

- All assembly instructions should be read first. The usage of the safety systems, its risks and limitations must be understood and accepted.
- The system may only be assembled by persons that are familiar with these instructions, the locally applicable safety regulations and are both physically and mentally capable.
- Before assembly the individual components of the safety net should be quality inspected. Damaged parts must not be used. To dispel any safety or quality queries, any parts in question should be tested and certified by a specialist.
- All accident prevention regulations must be adhered to (e.g. operating in hazardous areas) during use of the system
- The instructions for use are to be kept with the product, or should be readily available online.
- The test sheet and test log should be carefully completed.
- The safety system is intended for personal safety and should not be used for any other purpose. Never lay or hang any undefined weights on the safety system.
- The user must ensure that the structure (cage) is suitable for mounting the safety nets
- It is essential to contact the manufacturer if anything is unclear during assembly.
- It is prohibited to make any modification to the safety net.
- Use of the system is not permitted if any damage is visible to materials, nets or fixings etc.
- The safety net must undergo an annual safety inspection to ensure continued protection, i.e. for use in the coming year. For this purpose the manufacturer has attached a test mesh to the net, which should be removed and returned to the manufacturer for inspection.
- The safety net should be inspected following any load stress from throwing equipment or high winds, and replaced where necessary.

### 3 Parts, Dimensions, Materials, Usage, Fixing

#### Net Parts and Dimensions:

- (a) Net
- (b) See item no. 635 attachment for lifting hammer throwing net
- (c) See item no. 637 additional rope set
- (d) Test mesh, integrated in net

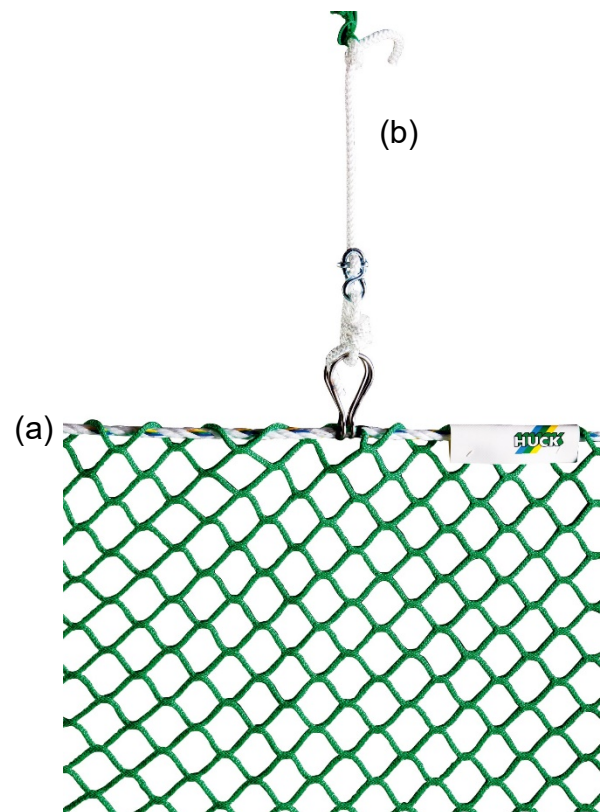
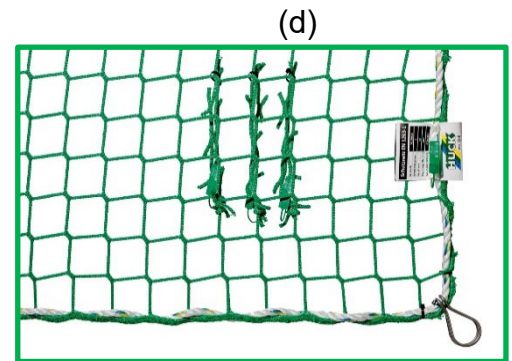
#### Material

- Netting: Polypropylene approx. 5 mm high strength, mesh size approx. 45 mm, UV-stabilized
- Border rope Polysteel 12 mm, 30 kN, UV- stabilized
- Additional rope: Polypropylene 9 mm, UV- stabilized

#### Net Dimensions (standard nets)

Item no.:	Dimensions
613, 614	6.5 m x 27 m
650, 651	from 7.5m to 10.5 m high, x 31.5 m

Custom made nets may vary in size



## Usage

The construction is designed as a vertical net. The net must be secured to a suitable structure e.g. cantilever arms of single posts. The net area itself must, however, be at a minimum distance of 60 cm from the post and must not be directly attached to the post. It is recommended that there is additionally a minimum of 30 cm net length on the ground.

Weights are recommended (e.g. filled plastic sacks) to hold down the net.

## Height Requirements for Net Upper Edge

Item no.:	Minimum Height
613, 614 Discus Cage Net	Surrounding net height should be a minimum of 6 m above the ground
650, 651 Hammer Cage Net	Height of the net above the ground: - the rear part minimum 7 m - the front part increasing to at least 10 m

## Fixing

The net must be hung from designated fixing points in the form of thimble hooks.

The net fixing points can be customised, are variable and should match the frame / throwing cage.



## 4 Storage and Care

**Storage:** It is recommended that the net is removed after use to reduce weather impact and animal contact. The net should be stored in a suitable cover to protect it from UV light, chemicals, moisture, heat sources or other environmental damage.

**Care:** If necessary, clean with lukewarm water and mild soap. Rinse with clear water and allow to air dry. Do not tumble dry or dry with any other heater.

## 5 Substructure

The sub structure or cage must be suitable for load bearing. The force transfer capacity of the sub structure is established by means of a corresponding static calculation, which must be available before the start of assembly.

The person responsible for assembly must certify that all fixings are available and have been installed correctly.

## 6 Standards

The nets comply with DIN 79007-3 Standard  
The nets comply with World Athletics Technical Guidelines  
Manufactured in accordance with EN 1263-1  
Test meshes tested according to ISO 1806.

## 7 Symbols and Labels

The nets are marked with a label

Name	Example Hammer Cage Net
Standard	Following to EN 1263-1
Mesh Type	Q (square) or D (diamond)
Safety Net System	S
Mesh size [mm]	M45
Serial number	Yes; seal number
Minimum breaking load and minimum energy absorption	According to ISO 1806
Name or logo of netting manufacturer	
Date of manufacture	MM.YYYY
NB:User instructions must be observed	Yes + QR-Code

### Schutznetz DIN 79007-3

Serien-Nr.	00123455
Schutznetzsystem	S
Netzklasse	B1
Maschengröße [mm]	M45
Maschenanordnung	Q (quadr.)



**Hammerwurf-Schutznetz** Montageanleitung beachten!  
für  
9-Feld Schutznetzanlage  
+ 2 Flügel, mit Netzhöhe:  
von 7 m auf 10 m  
(Netz in Anlehnung an EN 1263-1)

Auftrag	K21021186	Artikel	651
Hergestellt	4/2021	Netzgröße [m]	10,5 X 31,5
Mindestbruchkraft ISO 1806	[kN]		1,890
Mindestbruchenergie ISO 1806	[J]		14,90



### Schutznetz DIN 79007-3

Serien-Nr.	321123321
Schutznetzsystem	S
Netzklasse	B1
Maschengröße [mm]	M45
Maschenanordnung	Q (quadr.)



**Diskus-Schutznetz** Montageanleitung beachten!  
für  
6-Feld Schutznetzanlage  
mit Netzhöhe:  
6 m  
(Netz in Anlehnung an EN 1263-1)

Auftrag	K21031021	Artikel	613a
Hergestellt	4/2021	Netzgröße [m]	7 X 28
Mindestbruchkraft ISO 1806	[kN]		1,890
Mindestbruchenergie ISO 1806	[J]		14,90





## 8 Production and Sales

### Manfred Huck GmbH

### Netz- und Seilfabrik

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Internet: [www.huck.net](http://www.huck.net)

## 9 Inspection/ Duration of Use

### To be checked by the user before each use:

- Ropes and nets checked for any damage (splits, cuts, fraying, wear, tear or other damage)
- Metal and plastic parts for damage
- Record on test sheet

### Annual Check:

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

- Carefully remove the cable ties attaching the test mesh to the net. **Do not damage the net or test mesh!**
- Send the test mesh including seal with the serial number to the manufacturer (Manfred Huck GmbH)

As user safety is dependent upon the effectiveness and durability of the equipment, the safety net must be subjected to a visual and functional inspection by a suitably competent person at least every 12 months. Test intervals may be shorter depending on the environment and intensity of use.

The inspection should be recorded in the test sheet and test log and all documentation stored with the safety net.

**Do not use the safety net if there are any signs that it is no longer safe. In that case replace immediately.**



**Do not use if:**

- Damage or wear and tear of any component part is visible.
- If the net can no longer resist the kinetic energy (according to the test mesh)
- 

In order to assess any deterioration in strength due to ageing, hammer and discus cage safety nets are supplied by the manufacturer with test meshes woven into them. The minimum energy load breaking strength is shown on the label. They must comply with DIN EN 1263-1 paragraph 7. The test mesh should be sent to the net manufacturer or independent institute. The net manufacturer assesses the current strength values and creates a test report, certifying the net for another year or recommending that it be discarded.

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

## **10 Duration of Use**

The duration of use of the safety net depends on the particular application and cannot be defined universally as they are subject to different operating conditions, use, maintenance and storage.

Safety nets may only be used within 12 months of manufacture or re-testing. The net must thereafter be re-tested by testing a test mesh in order to prove that the net continues to meet the minimum tensile breaking force requirements.

**11 Test Sheet -- Safety Net**

Product:	Hammer Cage or Discus Cage Safety Net		
Size:			
Manufacturer:	Manfred Huck GmbH		
Year of manufacture:		Serial number:	
Date of first use:			
Owner/ Company:			
<b>Date</b>	<b>Remarks, Test Findings</b>		<b>Signature of tester</b>



## 12 Test Log -- Master Copy

Product:	Hammer Cage or Discus Cage Safety Net
Net Serial-No.	
Annual inspection carried out on:	
Next inspection due by latest:	
<b>Check List</b>	<b>Identified faults / Action taken</b>
<b>Documentation:</b>	
Assembly instructions hammer or discus cage safety net	
<b>Visible Parts</b>	
Visible damage	
Soiling	
Fraying of net or fixings	
Secure fixing points	
<b>Additional Remarks:</b>	
<b>Test results, acceptance results:</b>	
<b>NB:</b> test sheet should also be completed	
The safety system corresponds to the manufacturer's instructions for assembly and use and is state-of-the-art. Conforms to technical safety requirements.	
Notes:	
Specialist, safety system competent person	
Name: _____ Signature: _____	