
Be safe not sorry with Huck safety nets!
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<td>4.9</td>
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Dear Business Colleagues,

Manfred Huck GmbH was founded as a one-man operation over 40 years ago. Since then, work on product development has been consistent and continuous. We are delighted to be able to pass these benefits on to you again in 2005.

We now supply an entire range of safety nets with a flame-retardant finish. These nets retain their flame-retardant properties, even when used outside.

New products include safety nets with additional overlay panels. This solution doubles the benefit to you by protecting workers from dust and small falling objects as well as a fall.

Our nets for securing pallet racks show how diverse the applications of a safety net are. They protect people using the aisles from falling objects. Or what about our Dralo® wire rope nets? They satisfy particularly high demands and offer an ideal combination of design and practicality.

Look through our catalogue at your leisure and let it inspire you. Tailor made solutions available by request.

Best wishes,

Richard Connolly  Jon Legg-Bagg

Managing Director: Richard Connolly
Sales Director: Jon Legg-Bagg
Board of Directors: Stefan Huck
                     Richard Connolly
                     Jon Legg-Bagg
                     Bernard Delbaere

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The risk of a fall during high building work is undisputed. Every year, the experts publish alarming figures. In view of these figures, you should not compromise on measures to protect those at risk. The argument about immense pressure on costs is only partially valid and there is a fundamental difference between “cost-conscious” and “cheap”. If something actually happens, it will be expensive - days lost as a result of the accident, a police investigation of the causes and sequence of events as well as closure of the building site, perhaps for several days, not to mention the damage to your image.

A price-performance comparison is certainly worthwhile. HUCK nets always come out well thanks to their impressively high and consistent quality. **People who secure their building site responsibly** will certainly save the most in the long run. Once the safety net is in place, all attention can be focused on coordinating individual sections of the building work. The net can be used for all subsequent work. Apart from the fact that a safety net allows workers to move around freely, they feel safer, which enables them to work more quickly and effectively. Contractors confirm this time and again.

However tempting a cheap safety net may be, we can only advise against it. Quality has always paid off.

*It’s your decision!*

Don’t make false economies. You could regret it. After all, apart from a lot of money, the lives of your employees are at stake. Cheap safety nets have very little in reserve to compensate for ageing and can be up to 25% weaker than HUCK safety nets.

As one of the leading net manufacturers in Europe, we set the standards for safety and stability of value.

All specifications of the energy absorption refer to the 3 x 3 m test net!
1.1 HUCK Safety Nets

It is important for those involved in the construction of buildings or bridges, installation work or other similar activities to secure the areas in which work is carried out in order to protect workers in the event of a fall. One good way to provide this sort of protection is to install a personal safety net, which can be used to cover large areas.

HUCK safety nets are certified and bear the appropriate GS safety mark. Our ISO 9001 quality management system ensures that production is continuous and meets the product standard.

The benefits of safety nets

- Unlike PPE equipment, they allow workers to move freely.
- They provide collective protection for all work and transportation in the secured area.
- Should anyone fall, net provides a softer landing than rope because of its large plastic deformations.

Important standards, regulations and laws

The UK legislation HSG33 says that "the preferred method of securing the leading edge in industrial roofing is to use new technology safety nets". These nets are manufactured and installed according to EN 1263-1, EN 1263-2 and the new Working @ height regulations 2005. Only safety nets conforming to these standards should be installed.

Type S safety nets conforming to EN 1263-1 Safety nets are horizontally erected nets with rope threaded into the edges of the mesh. Such rope-edged nets are called type S safety nets and conform to EN 1263-1. This category of net comprises 4 net types, which are distinguished by their minimum breaking strength and must meet the following requirements:

a) Minimum strength of rope edge: 30 kN
b) Maximum mesh size: 60 mm or 100 mm
c) Minimum energy absorption of a 3 x 3 m test net

The minimum energy absorption when new, which includes the safety factor and individual ageing factor, is crucial** (see table and example). A new safety net must have an ageing reserve of at least one year. Meaning in our example for net type A2: the minimum energy absorption when new is at least 4.14 kJ.

### Important standards, regulations and laws

The UK legislation HSG33 says that "the preferred method of securing the leading edge in industrial roofing is to use new technology safety nets". These nets are manufactured and installed according to EN 1263-1, EN 1263-2 and the new Working @ height regulations 2005. Only safety nets conforming to these standards should be installed.

<table>
<thead>
<tr>
<th>Net Type</th>
<th>Minimum Braking Strength</th>
<th>Safety Factor</th>
<th>Ageing Factor</th>
<th>Maximum Mesh Size</th>
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</thead>
<tbody>
<tr>
<td>A1</td>
<td>2.3 kJ</td>
<td>1.5</td>
<td>individual</td>
<td>60 mm</td>
</tr>
<tr>
<td>A2</td>
<td>2.3 kJ</td>
<td>1.5</td>
<td>individual</td>
<td>100 mm</td>
</tr>
<tr>
<td>B1</td>
<td>4.4 kJ</td>
<td>1.5</td>
<td>individual</td>
<td>60 mm</td>
</tr>
<tr>
<td>B2</td>
<td>4.4 kJ</td>
<td>1.5</td>
<td>individual</td>
<td>100 mm</td>
</tr>
</tbody>
</table>

** Example for net type A2:

Minimum braking strength x Safety factor = Energy absorption without ageing x Ageing factor = Minimum energy absorption when new

2.3 kJ x 1.5 = 3.45 kJ x 1.2 (e.g.) = 4.14 kJ

All specifications of the energy absorption refer to the 3 x 3 m test net!
1.2 HUCK Safety Nets
Square Mesh

Safety nets edged with rope all the way around - any size
Type S safety nets conforming to EN 1263-1 (rope-edged safety net), square mesh, edged with 30 kN rope all the way around, GS test certificate 03100001.

No. 1903-100
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 100 mm mesh, with 12 mm rope edging all round, energy absorption approx. 4.8 kJ (Net type A2).
-01: Green per m²
-02: White per m²
-04: Blue per m²
-06: Black per m²
-07: Red per m²

No. 1903-045
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 45 mm mesh, with 12 mm rope edging all round, energy absorption approx. 9 kJ (Net type B1).
-01: Green per m²
-02: Blue per m²
-04: Blue per m²
-07: Red per m²

No. 1903-060
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 60 mm mesh, with 12 mm rope edging all round, energy absorption approx. 6.1 kJ (Net type A1).
-01: Green per m²
-04: Blue per m²

Small nets are subject to a surcharge:
100% surcharge per net for nets of less than 5 m²
35% surcharge per net for nets of less than 10 m²
20% surcharge per net for nets of less than 20 m²
The surcharge is based on the size of a single net and not the total order.

Safety nets edged with rope all the way around - standard sizes
Type S safety nets conforming to EN 1263-1 (rope-edged safety net), square mesh, edged with 30 kN rope all the way around, GS test certificate 3100004 (which replaced GS 0210004).

No. 19040-100
Size 5 x 10 m
Safety nets made from high tenacity polypropylene, approx. 4.75 mm dia., 100 mm mesh, with 12 mm rope edging all round, energy absorption approx. 4.4 kJ (Net type A2).
-01: Green each
-04: Blue each
-07: Red each

No. 19041-100
Size 6 x 10 m
Safety nets made from high tenacity polypropylene, approx. 4.75 mm dia., 100 mm mesh, with 12 mm rope edging all round, energy absorption approx. 4.4 kJ (Net type A2).
-01: Green each
-04: Blue each

No. 19042-100
Size 10 x 10 m
Safety nets made from high tenacity polypropylene, approx. 4.75 mm dia., 100 mm mesh, with 12 mm rope edging all round, energy absorption approx. 4.4 kJ (Net type A2).
-01: Green each
-04: Blue each

No. 19043-100
Size 7.5 x 15 m
Safety nets made from high tenacity polypropylene, approx. 4.75 mm dia., 100 mm mesh, with 12 mm rope edging all round, energy absorption approx. 4.4 kJ (Net type A2).
-01: Green each
-04: Blue each

Small nets are subject to a surcharge:
100% surcharge per net for nets of less than 5 m²
35% surcharge per net for nets of less than 10 m²
20% surcharge per net for nets of less than 20 m²
The surcharge is based on the size of a single net and not the total order.
1.3 HUCK Safety Nets
Square Mesh

Safety nets with rope edge and clips, 2.50 m apart, all the way around - any size
Type S safety nets conforming to EN 1263-1, square mesh, with 30 kN rope edge and clips, 2.50 m apart, all the way around.

No. 2003-100
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 100 mm mesh, with 12 mm rope edging all round, safety net clips on all 4 corners and along the edges 2.50 m apart, energy absorption approx. 4.8 kJ (Net type A2).

-01: Green per m²
-02: White per m²
-03: Orange per m²
-04: Blue per m²
-06: Black per m²
-07: Red per m²

No. 2003-060
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 60 mm mesh, with 12 mm rope edging all round, safety net clips on all 4 corners and along the edges 2.50 m apart, energy absorption approx. 6.1 kJ (Net type A1).

-01: Green per m²
-04: Blue per m²

Small nets are subject to a surcharge:
100% surcharge per net for nets of less than 5 m²
35% surcharge per net for nets of less than 10 m²
20% surcharge per net for nets of less than 20 m²
The surcharge is based on the size of a single net and not the total order.

No. 2003-045
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 45 mm mesh, with 12 mm rope edging all round, safety net clips on all 4 corners and along the edges 2.50 m apart, energy absorption approx. 9 kJ (Net type B1).

-01: Green per m²
-02: White per m²
-04: Blue per m²
-07: Red per m²

No. 2003-040
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 30 mm mesh, with 12 mm rope edging all round, safety net clips on all 4 corners and along the edges 2.50 m apart, energy absorption approx. 18 kJ (Net type C1).

-01: Green per m²
-02: White per m²
-04: Blue per m²
-07: Red per m²

Safety nets with rope edge and clips, 2.50 m apart, all the way around - standard sizes
Type S safety nets conforming to EN 1263-1, square mesh, with 30 kN rope edge and clips, 2.50 m apart, all the way around.

No. 20030-100
Size 5 x 10 m
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 100 mm mesh, with 12 mm rope edging all round, safety net clips on all 4 corners and along the edges 2.50 m apart.

-01: Green each
-06: Black each

No. 20031-100
Size 6 x 10 m
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 100 mm mesh, with 12 mm rope edging all round, safety net clips on all 4 corners and along the edges 2.50 m apart.

-01: Green each
-06: Black each

Extra charges for any additional safety net clips that may be required:

No. 2017
Additional charge for extra safety net clips fitted into the surround rope. each

No. 2021
Additional charge for extra patented DBGM safety net clips fitted into the surround rope. each

- Net with metal clip, mesh size approx. 100 mm.
- Net with plastic clip, mesh size approx. 60 mm.

All specifications of the energy absorption refer to the 3 x 3 m test net. 1.3
1.4 HUCK Safety Nets
Diamond Mesh

1 Safety net with square mesh.

2 Safety net with diamond mesh.

Safety nets edged with rope all the way around
- any size
Type S safety nets conforming to EN 1263-1 (rope-edged safety net), diamond mesh, edged with 30 kN rope all the way around, GS test certificate 03100002.

No. 18030-100
Safety nets made from high tenacity polypropylene, approx. 5 mm dia., 100 mm diamond mesh, with 12 mm rope edging all round, energy absorption approx. 5 kJ (Net type A2).
-01: Green per m²

Small nets are subject to a surcharge:
100% surcharge per net for nets of less than 5 m²
35% surcharge per net for nets of less than 10 m²
20% surcharge per net for nets of less than 20 m²
The surcharge is based on the size of a single net and not the total order.

Safety nets edged with rope all the way around
- standard sizes
Type S safety nets conforming to EN 1263-1 (rope-edged safety net), diamond mesh, edged with 30 kN rope all the way around, GS test certificate 03100002.

No. 18033-100
(7.50 x 15.00 m)
-01: Green each

HUCK safety nets comply with all the latest guidelines issued by BSI / EN 1263-1.
1.5 **HUCK Safety Nets**

**Overlay Panels And Overlay Nets**

As well as providing personal protection, safety nets are often required to catch small falling objects. If this is the case, we suggest using an overlay panel or close-meshed overlay net in combination with our safety nets (pages 1.2 – 1.4).

Overlay panels for safety nets

Overlay panels that are permeable to air and water are available on request.

Overlay nets

Instead of panels, close-meshed nets can also be used.

Overlay panels and panels are used in combination with safety nets. They do not replace personal protection. Suitable safety nets can be found on pages 1.2 – 1.4.

Overlay panels that are permeable to air and water are available on request.

Overlay nets

Instead of panels, close-meshed nets can also be used.

1. **Airtight and waterproof overlay panels in standard dimensions.**
   - Transparent tarpaulin, approx. 150 g/m², edged with PP cord and aluminium eyelets every 100 cm.
   - No. 35101-025 (6 x 10 m) each
   - No. 35102-025 (8 x 10 m) each
   - No. 35103-025 (10 x 12 m) each
   - No. 35104-025 (10 x 15 m) each
   - No. 35000

   The panels are attached to safety nets using cable ties, which are placed 1 m apart per m².

   2. **Overlay nets**

   Overlay net made of high-tenacity polypropylene, approx. 1.8 mm, mesh size approx. 20 mm, firmly attached to the safety net every 75 cm.
   - No. 2007-020
   - 02: White per m²
   - 06: Black per m²

   Small nets are subject to a surcharge:
   - 100% surcharge per net for nets of less than 5 m²
   - 35% surcharge per net for nets of less than 10 m²

20% surcharge per net for nets of less than 20 m²

The surcharge is based on the size of a single net and not the total order.

All specifications of the energy absorption refer to the 3 x 3 m test net 1.5
1.6 HUCK Safety Nets
Netting Suspension

When installing nets, it is important to comply with EN 1263-2 and the new Working @ Height regulations. These regulations state that safety nets must be secured to suspension points that are no more than 2.50 m apart and capable of bearing their load. Each suspension point must be designed for a characteristic load of at least 6 kN.

Nets are suspended using ropes, snap hooks, straps or clips.

Netting suspension with ropes
When using single rope suspension, rope with a minimum breaking force of 30 kN must be used.

No. 2011 Suspension rope EN 1263-1, (Type L)
For single rope suspension. One end with spliced in loop, the other end firmly sealed off, length 2.50 m, the minimum breaking force for the rope is 30 kN.

Cross ropes
Cross ropes can be used to reduce the sag of the net.

No. 2137 Cross rope (Type M), poly-steel approx. 12 mm dia, (30 kN). Threaded longitudinally and transversely through the mesh and fastened to the surround rope on both sides.

-02: W hite per metre

No. 21370 Cross rope (Type M) supplied loose
-02: W hite per metre

No. 21370R Cross rope (Type M) in cables of 220 m.
-02: W hite per metre

Joining rope (Type O)
Made of polysteel, approx. 10 mm thick (15 kN), for connection of several safety nets to cover one large area.

No. 21380 (Type O) supplied loose.
-02: W hite per metre

No. 21380R (Type O) in cables of 220 m.
-02: W hite per metre
1.7 HUCK Safety Nets
Netting Suspension/Netting Storage

Frequently netting suspension is achieved with suspension ropes. Further possibilities are provided for safety net suspension by safety snap hooks as well as by net safety hooks designed by us.

1. **No. 2015**
   - Aluminium safety snap hooks
   - D shaped, 114 x 12 mm
   - to fasten safety nets, EN 362, breaking strength in longitudinal axis approx. 22 kN.

2. **No. 2020**
   - Net safety hook in steel (DBGM No. 295 09 958.5), loose.
   - Hanging the edge rope in the hook (see photo 2) on the underside of the flange grip in a twisted position prevents unintentional detachment of the net. The two flange grips encircle the T-girder and are closed by pulling a strap with a snap lock.

3. **No. 2016**
   - Fire brigade snap hooks to fasten side safety nets, breaking strength approx. 18 kN.
   - (Safe working load 4.5 kN), galvanised, size 120 x 11 mm, to C-DIN 5299.

**Netting storage**

1. **No. 725**
   - Storage sack (Size: 60 x 100 cm). Made from UV-stabilised woven polyethylene material. With pull-cord.
   - Suitable for one safety net (size: 6 x 10 m) or for two side safety nets (size: 2 x 10 m).

2. **No. 2022**
   - “Grippa” safety net hook
   - For installing and joining safety nets on the underside of T-girders.
   - “Grippa” Safety net hook
   - Particularly suitable for securing them to the underside of T-girders when laying metal profiles.

Each
1.8 HUCK Safety Nets
Safety Net Installation Information

Applicable standards and regulations
Personal safety nets must meet the technical safety requirements of EN 1263-1. When erecting or installing safety nets, it is important to comply with EN 1263-2 and BGR 179. HUCK safety nets comply with EN 1263-1.

1 Use
Safety nets are used to protect people who fall. Typically, they are used for building work at great heights, e.g. the construction of indoor facilities (see photo 1) and overhead cables or as a safety feature on scaffolding. They allow workers to move around freely.

2 Labelling
Every safety net must be labelled clearly in accordance with EN 1263-1 (see photo 2). The label must include the following information:

- Date of manufacture and name of manufacturer
- Net type in accordance with DIN EN 1263-1
- Precise item designation (item number)
- Minimum energy absorption capacity or minimum tensile load of test mesh in accordance with ISO 1806
- Number of the inspection authority that certified the net

3 Annual inspection
On every HUCK safety net, there are lead seals with the same identity number on the safety net label and test mesh (see photo 3). This ensures that the safety net and test mesh belong together. No more than 1 year after the date of manufacture, the first test mesh must be sent to an authorised tester (e.g. the manufacturer). This tester verifies whether the net still has the necessary strength/energy absorption capacity and produces documentary evidence of the results.

No. 9700: Inspection cost per test mesh

4 If the test results are positive, you will receive a new test badge bearing the identity number, which you then attach to the relevant net (see photo 4). The net can then be used for another year. Please also refer to the section on “when to discard nets”.

Installing and dismantling personal safety nets
Nets may only be installed by workers who have been trained by the contractor. Protection must be provided for those undertaking installation (safety harness, platform lift).

Anchoring strength requirements
Safety nets should be secured to constructions with appropriate load-bearing capacity. Each suspension point must be designed for a characteristic load of at least 6 kN.

The distance between suspension points must not exceed 2.50 m.
1.9 HUCK Safety Nets

Safety Net Installation Information

The width of the net is directly related to the height of the fall:

<table>
<thead>
<tr>
<th>Height of fall $h$ (m)</th>
<th>1 m</th>
<th>2 m</th>
<th>3 m</th>
<th>4 m</th>
<th>5 m</th>
<th>6 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deformation $f_{\text{max}}$ (m) if $l = 5$ m</td>
<td>2.65</td>
<td>2.85</td>
<td>2.95</td>
<td>3.00</td>
<td>3.05</td>
<td>3.10</td>
</tr>
<tr>
<td>Deformation $f_{\text{max}}$ (m) if $l = 9$ m</td>
<td>3.35</td>
<td>3.55</td>
<td>3.75</td>
<td>3.85</td>
<td>3.95</td>
<td>4.00</td>
</tr>
<tr>
<td>Deformation $f_{\text{max}}$ (m) if $l = 12$ m</td>
<td>4.20</td>
<td>4.40</td>
<td>4.55</td>
<td>4.75</td>
<td>4.90</td>
<td>5.00</td>
</tr>
</tbody>
</table>

D = width of safety net (shortest side)

Connecting safety nets

When connecting two or more safety nets, joining ropes should be used in such a way that the space between the joints does not exceed 100 mm and the safety nets cannot move more than 100 mm away from each other. Safety nets can also be overlapped but the overlap must measure at least 2.00 m.

Storage

Store in a dry place, never store near a source of heat and avoid contact with aggressive substances such as acids, bases, etc. Do not expose to UV radiation.

Statement from manufacturer:

HUCK personal safety nets conform to DIN EN 1263-1.

The width of the net is directly related to the height of the fall:

Height of fall $H_2 = $ difference between the underside of the working area and the point of impact on the safety net.

When to discard nets

Nets must be withdrawn from use in the following circumstances:

- Nets that have already been used to break a fall
- Nets that no longer meet minimum breaking strength requirements (please also refer to the section on “annual inspections”)
- Faulty nets (very worn nets, defective mesh, damage to the rope edge or clips)

Dimensions/minimum size

The values given below assume a minimum size of 35 m$^2$, whereby the shortest side must be at least 5.00 m long.

Height of fall/minimum net width

Safety nets should be suspended as close as possible to the underside of the working area. The height of the fall ($H_2$ = difference between the underside of the working area and the point of impact on the safety net) must not exceed 6 m. Up to 2 m from the edge of the net ($H_{12}$), the maximum permissible height of fall is 3 m.

Space underneath the safety net

Safety nets should be suspended in such a way as to prevent those who fall from banging into solid objects. The size of the deformation depends on the length of the shortest edge of the net and the height of the fall (see table 7 and photo 7). In addition to the size of the deformation, a safety zone of $S > 0$ must be observed for traffic, etc.

Suspension

Nets are suspended with ropes, snap hooks, straps or clips. If single-strand suspension ropes are used (photo 5B), the breaking strength of the rope must be at least 30 kN. If double-strand suspension is used (photo 5A), 15 kN ropes will suffice. Further safety information can be found in BGR 179.

Connecting safety nets

When connecting two or more safety nets, joining ropes should be used in such a way that the space between the joints does not exceed 100 mm and the safety nets cannot move more than 100 mm away from each other. Safety nets can also be overlapped but the overlap must measure at least 2.00 m.

Storage

Store in a dry place, never store near a source of heat and avoid contact with aggressive substances such as acids, bases, etc. Do not expose to UV radiation.

Statement from manufacturer:

HUCK personal safety nets conform to DIN EN 1263-1.

The width of the net is directly related to the height of the fall:

<table>
<thead>
<tr>
<th>Height of fall $H_2$ (m)</th>
<th>1 m</th>
<th>2 m</th>
<th>3 m</th>
<th>4 m</th>
<th>5 m</th>
<th>6 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum net width $b$ (m)</td>
<td>&gt; 2.0</td>
<td>&gt; 2.5</td>
<td>&gt; 3.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1.10 **FASET**

**Fall Arrest Safety Equipment Training**

As a founder member of FASET Huck Nets sit on the committees that seek to set the highest standards for the net rigging industry. We offer tailor made nets to your requirements to the highest possible standard. We also offer FASET General Rigging and Safety net inspection training that is CITB backed and grant aided. This training is either carried out on site or at one of our training facilities. The training is carried out to NVQ standards.

**“NETLOG”**

a unique software package for all aspects of Net management

**NETLOG applications:**

- Manages your entire fleet of Nets.
- Manage your sites.
- Manage individual nets.
- Book your nets in and out.
- Check inspections.
- Only book out nets that are available to use.

Call for more information and free brochure.

We also offer repair courses and net maintenance courses!
Huck is a member of the FASET standards committee on safety nets which was established in 2000 to provide the highest level of training for the installation of safety nets in conjunction with the HSE and other industry bodies.

Order information
All our underslung safety nets - including or excluding erection - are always hired out for a set period of 4 weeks. Starting from the 5th week, the hire costs are calculated weekly. Any part of a week counts as a full week.

A lead time of 5 working days is deemed to have been agreed for the dismantling and reinstallation of safety nets. This does not include Saturdays, Sundays and public holidays. The lead time begins on the first working day after the contractor has confirmed availability of the order. Please also read our terms and conditions of sale on page 4.9.

We only hire out and erect HUCK nets conforming to EN 1263-1 with a mesh size of 10 cm.

In the case of new constructions, we require building plans drawn to scale before we can produce a quotation - in the case of buildings which already exist (e.g. reconstruction or renovation), it is essential that we carry out a site inspection. We can only draw up a binding quotation after receiving these plans or after having inspected the site. Please refer to the terms of the contract supplied with your quotation for further details.

Order help
We would ask you to submit a detailed enquiry as per the enquiry sheet on page 1.12.

Please ask us for a quotation while you are still at the planning stage!

Please also read our safety net assembly instructions on pages 1.8 and 1.9.
1.12 HUCK Fax Request Form
The quickest way to obtain a detailed quote

Customer's Name: ............................................. Route description ................................................
(with postcode, motorway exit, etc.)

Street: ..............................................................

Site location with postcode ..........................................

Tel. No.: .......... Fax No.: .......... E-mail: ..............

1. Length of incline (A): ........................................
2. Height up to the roof projection (B): .................
3. Height up to ridge (C): ........................................
4. Width of the building (D): .....................................

5. Special features of the building
   □ Canopies (Length x Width)
   □ Without columns
   □ With columns (position of the columns s. drawing)
   □ False ceilings or other built-in units
   □ Party walls (compartment wall)
   □ Sandwich (locking) plates or trapezoidal sheet
   □ Drawing, floor plan and sectional view enclosed

6. Please place a cross against type of roof

7. Total length (H): ..........................................
8. Number of rafters: ...........................................
9. Distance between rafters (girders) (F): ..............

10. Support type:
    □ Wooden rafters □ Steel rafters □ Concrete girders

11. Type of construction work:
    □ New construction □ Renovation

12. Nature of the soil/ground: .................................

11. Crane trackway existing: □ Yes □ No

12. Size of entrance: ..........................................
    Height x Width: ........................................

13. Elevator platform possible (means can handle traffic up to 7.5 t) □ Yes □ No

14. Start of net assembly: .................................

15. Planned end of disassembly: .........................

16. Please give any other relevant details on a separate sheet.
1.13 HUCK Safety Nets
Pallet Rack Nets

Pallet rack nets are used primarily for pallet racks that are to be loaded and unloaded on one side. They protect the workplace and people walking past from falling goods. We recommend fitting the nets flush, e.g. using straps with buckles. We supply nets of various thicknesses depending on the weight and size of the goods to be secured.

**No. 212-100** Pallet rack net made of high tenacity polypropylene, mesh size approx. 100 mm, material thickness approx. 5 mm.
-01: Green per m²
-04: Blue per m²
-06: Black per m²

**No. 212-045** Pallet rack net made of high tenacity polypropylene, mesh size approx. 45 mm, material thickness approx. 5 mm.
-01: Green per m²
-04: Blue per m²
-06: Black per m²

**No. 209-045** Pallet rack net made of high tenacity polypropylene, mesh size approx. 45 mm, material thickness approx. 3 mm.
-01: Green per m²
-04: Blue per m²
-05: Yellow per m²
-06: Black per m²

**No. 201-025** Pallet rack net made of high tenacity polypropylene, mesh size approx. 25 mm, material thickness approx. 1.8 mm.
-06: Black per m²

**No. 3011** Strap with locking buckle
-01: Green each
-04: Blue each
1.14 HUCK Safety Nets
For Specific Applications

**Barrier net**, made from high tenacity polypropylene, approx. 6 mm dia., diamond mesh, with a 12 mm dia. nylon rope surround.

**No. 2500-100** Barrier net
Meshsize approx. 100 mm
-02: W hite per m²

**No. 2510-050** Barrier net
Meshsize approx. 50 mm
-02: W hite per m²

**No. 2017**
Surcharge for loops, in surround rope. each

**No. 2019**
Surcharge for rope hooks, in surround rope. each

If you would like a non-rectangular net, please ask us for a quote.

**Small nets are subject to a surcharge:**
- 100% surcharge per net for nets of less than 5 m²
- 35% surcharge per net for nets of less than 10 m²
- 20% surcharge per net for nets of less than 20 m²

The surcharge is based on the size of a single net and not the total order.

Our barrier nets conform to the safety regulations of the Bau-BG and the mining industry.

**Mine Barrier nets for stoping operations**
Barrier nets prevent loose stones or minerals from falling from stopes, ridges and stacks in mining and tunnelling. These nets are antistatic, to suit the needs of the mining industry.

**Safety and stop nets with a flame-retardant finish**
We supply some of our safety nets with a flame-retardant finish. This ensures that they retain their flame-retardant properties, even when used outside in all sorts of weather.

**No. 200F045**
Safety net in approx. 2.3 mm high tenacity polypropylene, mesh size approx. 45 mm, with flame-retardant finish
-015: Dark green per m²
-02: W hite per m²

**No. 209F045**
Safety net in approx. 3 mm high tenacity polypropylene, mesh size approx. 45 mm, with flame-retardant finish
-06: Black per m²

**No. 212F100**
Safety net in approx. 5 mm high tenacity polypropylene, mesh size approx. 100 mm, with flame-retardant finish
-01: G reen per m²

**Safety and stop nets with additional flame-retardant finish**

**No. 1800**
Impregnation, flame-retardant Price on request

**Safety and stop nets with stiff, water-repellent finish**

**No. 1900**
Impregnation, water-repellent, stiff Price on request

*New*
1.15 HUCK Safety Cargo Nets
For Transporting Loads

1. An easy and convenient way to lift building material and other similar items quickly. Simply spread the net out on the ground (photo 1), place the load to be lifted on top of it and then hook the rope edge into the suspension frame. Depending on your choice of net, loads of up to 2 t can be lifted.

- Net for transporting a load of 1 t
  We recommend: Item 1903-100 (page 1.2)

- Net for transporting a load of 2 t
  We recommend: Item 1903-045 (page 1.2)

2. Nets for securing goods
Used here to secure roof tiles for transportation (photo supplied by Probst). They can also be used for careful transportation of goods that are too small for grippers.

- We recommend: No. 212-045/-060/-100 (see page 3.5) or 1903-045/-060/-100 (see page 1.2)
## 1.16 HUCK Safety Nets

### Wire Rope Nets Dralo®

1. **Dralo®** - a particularly attractive wire rope net.
2. The ideal way to secure sharp metal parts in a container of scrap.
3. Used to cover a large passageway adjacent to a multi-storey building and provide protection should anyone fall - a successful combination of modern design and practicality.
4. **Dralo®** used to secure the edges of a helicopter landing pad at a hospital in Meran.

These nets are fitted with loops all round, allowing them to be fitted almost anywhere. A rope surround can also be supplied on request. The mesh is of square configuration (diamond-shaped on request).

When ordering, please state whether the nets should be the galvanised or stainless steel version.

The nets can be supplied in the following mesh sizes:

<table>
<thead>
<tr>
<th>Mesh size in mm</th>
<th>25</th>
<th>50</th>
<th>75</th>
<th>100</th>
<th>125</th>
<th>175</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rope diameters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5 mm Ø</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>2.0 mm Ø</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>3.0 mm Ø</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>4.0 mm Ø</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>5.0 mm Ø</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

**Price on request**
1.17 HUCK Safety Nets
For Overhead Cable Construction / “Powernet”

1 Safety nets for overhead cable construction

No. 2002-100
Safety nets for overhead cable construction, made from high tenacity polypropylene, approx. 4 mm dia., 100 mm mesh, surround rope approx. 12 mm dia. (30 kN). Loops on all four corners and on sides, 2.50 m apart.
-01: Green per m²

No. 2003-100
Safety nets for overhead cable construction, made from high tenacity polypropylene, approx. 5 mm dia., 100 mm mesh, surround rope approx. 12 mm dia. (30 kN). Loops on all four corners and on sides, 2.50 m apart.
-01: Green per m²

2 “Powernet” wire rope netting
This is the screw-connected design version and is therefore of the greatest strength. For conditions subject to extreme stress: as netting for blasting operations, or protection against falling rocks and loosened tree-trunks, etc.

No. 4000-100
Wire rope netting made of galvanised steel wire ropes approx. 6 mm dia. Square mesh 100 x 100 mm.
Price on request

No. 4001-150
Wire rope netting made of galvanised steel wire ropes approx. 8 mm dia. Square mesh 150 x 150 mm.
Price on request

2 "Powernet" shown from the back. The meshes are screw-connected.

3 From the front: “Powernet”
2.1 HUCK Brick Guardrail Nets With Isilink Clips In Standard Sizes

Usage: for brick guardrail nets and nets used in roof scaffolding, EN 1263-1 and DIN 4420 together with the BGR 179 and BGR 184 safety regulations are applicable. These nets are classified as Safety Net Type U (Safety Net in load-bearing construction for vertical use). The mid-bar is not necessary when nets are used. The mesh may be a maximum of 100 mm. The nets are equipped with an integral surround rope.

We recommend assembly of side safety nets with our new DBGM Isilink Clips, which are already sewn onto our side safety nets at 75 cm intervals, to comply with Bau-BG requirements.

Guardrail nets complete with Isilink clips sewn on
- Standard sizes
Knotless guardrail nets conform EN 1263-1, safety net type U. Made of high polypropylene, approx. 5 mm thick, with integral surround rope and Isilink clips (DBGM) sewn on approx. 75 cm apart. These nets have been awarded German safety test certificate GS 03007 (which replaced GS 97175).

Size 1: 1.5 m x 5 m, number Isilink-Clips: 18

<table>
<thead>
<tr>
<th>Article N.0.</th>
<th>Mesh size</th>
<th>Colour</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3005-045</td>
<td>approx. 45 mm</td>
<td>■ ■ ■</td>
<td>each</td>
</tr>
<tr>
<td>3005-060</td>
<td>approx. 60 mm</td>
<td>■ ■</td>
<td>each</td>
</tr>
<tr>
<td>3005-100</td>
<td>approx. 100 mm</td>
<td>■ ■ ■</td>
<td>each</td>
</tr>
</tbody>
</table>

Size 2: 2 m x 5 m, number Isilink-Clips: 20

<table>
<thead>
<tr>
<th>Article N.0.</th>
<th>Mesh size</th>
<th>Colour</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3006-045</td>
<td>approx. 45 mm</td>
<td>■ ■ ■</td>
<td>each</td>
</tr>
<tr>
<td>3006-060</td>
<td>approx. 60 mm</td>
<td>■ ■</td>
<td>each</td>
</tr>
<tr>
<td>3006-100</td>
<td>approx. 100 mm</td>
<td>■ ■ ■</td>
<td>each</td>
</tr>
</tbody>
</table>

Size 3: 1.5 m x 10 m, number Isilink-Clips: 32

<table>
<thead>
<tr>
<th>Article N.0.</th>
<th>Mesh size</th>
<th>Colour</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3007-045</td>
<td>approx. 45 mm</td>
<td>■ ■ ■</td>
<td>each</td>
</tr>
<tr>
<td>3007-060</td>
<td>approx. 60 mm</td>
<td>■ ■</td>
<td>each</td>
</tr>
<tr>
<td>3007-100</td>
<td>approx. 100 mm</td>
<td>■ ■ ■</td>
<td>each</td>
</tr>
</tbody>
</table>

Size 4: 2 m x 10 m, number Isilink-Clips: 34

<table>
<thead>
<tr>
<th>Article N.0.</th>
<th>Mesh size</th>
<th>Colour</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3008-045</td>
<td>approx. 45 mm</td>
<td>■ ■ ■</td>
<td>each</td>
</tr>
<tr>
<td>3008-060</td>
<td>approx. 60 mm</td>
<td>■ ■</td>
<td>each</td>
</tr>
<tr>
<td>3008-100</td>
<td>approx. 100 mm</td>
<td>■ ■ ■</td>
<td>each</td>
</tr>
</tbody>
</table>

Cost calculation is per item
Please indicate colour preference (see colour table). Each table shows which colours are available.

Example Article No.: e.g. 3008-100-07

Specification: Mesh size Colour

Colour numbers:
■ -01 = Green
■ -04 = Blue
■ -07 = Red
2.2 HUCK Brick Guardrail Nets
The Isilink Clip

An extremely easy way to secure guardrail nets to scaffolding tubes and one that is approved by the employers’ liability insurance associations in the construction industry. Simply place the long end around the scaffolding tube (photo 1) and the hole in the Isilink cord around the clip like a button-hole (photos 2 and 3). It can even be done when wearing work gloves and works in wet, cold and dirty conditions.

With GS test certificate 03007 (which replaced GS 97175)

No. 3015 Isilink Clip (DBG M) sewn on to the net at intervals of 75 cm maximum.
Length: approx. 60 cm
-06: Black m²

No. 3016 Isilink Clip (DBGM) loose, as spare part.
Length: approx. 60 cm
-06: Black each

Putting in the Isilink Clips (DBGM), No. 3015.
In accordance with German building regulation BGR 179, standard guardrail nets can be secured to the load-bearing construction mesh for mesh. This is achieved by threading the scaffold tube through the mesh. In the standard design described, our nets have been certified by the Technical Committee for Construction, which is part of the German Federation of Industrial Trade Associations, within the testing and certification body of BG-PRÜFZERT and have been allocated German safety test number GS 03005.

### 2.3 HUCK Brick Guardrail Nets In Standard Dimensions (without Isilink Clips or buckled straps)

**Guardrail nets complete without Isilink Clips or straps - Standard sizes**

Knotless guardrail nets conform EN 1263-1, safety net type U. Made of high tenacity polypropylene, approx. 5 mm thick, with integral surround rope. These nets have been awarded German safety test certificate GS 03005 (which replaced GS 97158).

<table>
<thead>
<tr>
<th>Size 1: 1.5 m x 5 m</th>
<th>Mesh size</th>
<th>Colour</th>
<th>each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3001-045</td>
<td>approx. 45 mm</td>
<td></td>
<td>each</td>
</tr>
<tr>
<td>3001-060</td>
<td>approx. 60 mm</td>
<td></td>
<td>each</td>
</tr>
<tr>
<td>3001-100</td>
<td>approx. 100 mm</td>
<td></td>
<td>each</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size 2: 2 m x 5 m</th>
<th>Mesh size</th>
<th>Colour</th>
<th>each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3002-045</td>
<td>approx. 45 mm</td>
<td></td>
<td>each</td>
</tr>
<tr>
<td>3002-060</td>
<td>approx. 60 mm</td>
<td></td>
<td>each</td>
</tr>
<tr>
<td>3002-100</td>
<td>approx. 100 mm</td>
<td></td>
<td>each</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size 3: 1.5 m x 10 m</th>
<th>Mesh size</th>
<th>Colour</th>
<th>each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3003-045</td>
<td>approx. 45 mm</td>
<td></td>
<td>each</td>
</tr>
<tr>
<td>3003-060</td>
<td>approx. 60 mm</td>
<td></td>
<td>each</td>
</tr>
<tr>
<td>3003-100</td>
<td>approx. 100 mm</td>
<td></td>
<td>each</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size 4: 2 m x 10 m</th>
<th>Mesh size</th>
<th>Colour</th>
<th>each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3004-045</td>
<td>approx. 45 mm</td>
<td></td>
<td>each</td>
</tr>
<tr>
<td>3004-060</td>
<td>approx. 60 mm</td>
<td></td>
<td>each</td>
</tr>
<tr>
<td>3004-100</td>
<td>approx. 100 mm</td>
<td></td>
<td>each</td>
</tr>
</tbody>
</table>

Cost calculation is per item

Please indicate colour preference (see colour table). Each table shows which colours are available.

**Example Article No.:**
e.g. 3008-100-07

Specification Mesh size Colour

**Colour numbers:**
- -01 = Green
- -04 = Blue
- -07 = Red

The guardrail is secured to the load-bearing construction mesh by mesh.
2.4 HUCK Brick Guardrail Nets In Any Sizes
(without Isilink Clips or buckled straps)

Brick guardrail nets in any sizes and many colours.

In order to emphasise the safety factor of the nets, we also offer these nets in Red.

Small nets are subject to a surcharge:
100% surcharge per net for nets of less than 5 m²
35% surcharge per net for nets of less than 10 m²
20% surcharge per net for nets of less than 20 m²
The surcharge is based on the size of a single net and not the total order.

All specifications of the energy absorption refer to the 3 x 3 m test net!
2.5 **HUCK Brick Guardrail Nets**

**In Standard Dimension With Buckled Straps**

Guardrail nets complete with buckled straps sewn on
- **Standard sizes**

Knotless guardrail nets conform EN 1263-1, safety net type U. Made of high polypropylene, approx. 5 mm thick, with integral surround rope and buckled straps sewn on approx. 75 cm apart. These nets have been awarded German safety test certificate GS 03006.

**Size 1: 2 m x 5 m, number buckled straps: 20**

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Mesh size</th>
<th>Colour</th>
<th>each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3006-100-01GSV</td>
<td>approx. 100 mm</td>
<td>■</td>
<td>each</td>
</tr>
<tr>
<td>3006-100-04GSV</td>
<td>approx. 100 mm</td>
<td>■</td>
<td>each</td>
</tr>
<tr>
<td>3006-100-07GSV</td>
<td>approx. 100 mm</td>
<td>■</td>
<td>each</td>
</tr>
</tbody>
</table>

**Size 2: 2 m x 10 m, number buckled straps: 34**

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Mesh size</th>
<th>Colour</th>
<th>each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3008-100-01GSV</td>
<td>approx. 100 mm</td>
<td>■</td>
<td>each</td>
</tr>
<tr>
<td>3008-100-04GSV</td>
<td>approx. 100 mm</td>
<td>■</td>
<td>each</td>
</tr>
<tr>
<td>3008-100-07GSV</td>
<td>approx. 100 mm</td>
<td>■</td>
<td>each</td>
</tr>
</tbody>
</table>

**Spare parts**

**No. 3011**

Strap with self locking buckle, 55 cm long - supplied loose and not fixed onto net.

| -01: Green | each          |
| -04: Blue  | each          |
| -07: Red   | each          |

**No. 3010**

Strap fixed onto net on approx. 75 cm apart.

| -01: Green | each strap |
| -04: Blau  | each strap |
| -07: Rot   | each strap |

Cost calculation is per item!

Please indicate colour preference (see colour table). Each table shows which colours are available.

**Example Article No.:**

e.g. 3008-100-07

<table>
<thead>
<tr>
<th>Specification</th>
<th>Mesh size</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>-01 = Green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-04 = Blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-07 = Red</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.5
### 2.6 HUCK Brick Guardrail Nets
#### Ready Made Net Protection Walls

**Ready made net protection walls**

The advantages of these ready assembled units are:

- Fall prevention is already built into the scaffolding
- No railings and mid bars necessary
- Assembly time is reduced considerably
- Savings are made on transport and storage costs

**Net protection walls**: consisting of safety net EN 1263-1 type U, 5 mm high tenacity polypropylene, 60 mm mesh, attached to scaffolding tube with additional lacing rope, approx. 8 mm, German safety test certificate GS 03004 (which replaced GS 97173).

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Scaffolding-width (m)</th>
<th>Size of net protection wall (x x m)</th>
<th>Colour</th>
<th>each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3033-060</td>
<td>2.50</td>
<td>1.50 x 2.50 m</td>
<td>Green</td>
<td>each</td>
</tr>
<tr>
<td>3034-060</td>
<td>3.00</td>
<td>1.50 x 3.00 m</td>
<td>Green</td>
<td>each</td>
</tr>
<tr>
<td>3035-060</td>
<td>2.50</td>
<td>2.00 x 2.50 m</td>
<td>Green</td>
<td>each</td>
</tr>
<tr>
<td>3036-060</td>
<td>3.00</td>
<td>2.00 x 3.00 m</td>
<td>Green</td>
<td>each</td>
</tr>
</tbody>
</table>

**Spare nets** for net protection walls: consisting of safety net EN 1263-1 type U, 5 mm high tenacity polypropylene, 60 mm mesh with additional lacing rope of approx. 8 mm dia.

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Scaffolding-width (m)</th>
<th>Size of net protection wall (x x m)</th>
<th>Colour</th>
<th>each</th>
</tr>
</thead>
<tbody>
<tr>
<td>3026-060</td>
<td>2.50</td>
<td>1.50 x 2.80 m</td>
<td>Green</td>
<td>each</td>
</tr>
<tr>
<td>3027-060</td>
<td>2.50</td>
<td>2.00 x 2.80 m</td>
<td>Green</td>
<td>each</td>
</tr>
<tr>
<td>3029-060</td>
<td>3.00</td>
<td>1.50 x 3.30 m</td>
<td>Green</td>
<td>each</td>
</tr>
<tr>
<td>3030-060</td>
<td>3.00</td>
<td>2.00 x 3.30 m</td>
<td>Green</td>
<td>each</td>
</tr>
</tbody>
</table>

**No. 3031**
Spare aluminium scaffold tube, 40 mm dia., with 40 cm long insertion end, used piping length 2.50 m, for No. 3033-060/3035-060 each

**No. 3032**
Spare aluminium scaffold tube, 40 mm dia., with 40 cm long insertion end, used piping length 3.00 m, for No. 3034-060/3036-060 each

Scaffold tubes are simply pushed together to join.
2.7 HUCK Side Protection Netting

Side protection netting

In addition to fall protection inwards (into the structure), when laying roof sheeting and in other roof construction work in the steel frame construction field, the problem of fall protection outwards also arises.

There must always be a safety net if the height of the fall exceeds two metres. According to BGI 815 (a trade association publication relating to the installation of profile sheets and porous concrete slabs), ceilings and roofs with a slope of \( \leq 20^\circ \) must have a safety net at the side or around the edge.

Here we recommend our system for securing roof edges in combination with type S safety nets conforming to EN 1263-1.

Our side protection holders linked with side protection nets EN 1263-1 type S may be fixed to concrete supports etc. when protecting flat roofs, so that protection around the edges is still provided for subsequent roof work after the trapezoidal sheeting is in place, since the brackets need to be dismantled for the exterior wall lining.

Please let us have your detailed enquiry.
Side safety net equipment (GS test certificate 04-037) consisting of side protection holders with fasteners spaced 10 m apart and safety nets, EN 1263-1, type S, mesh width 100 mm, 2.5 x 10 m in size with 12 mm polysteel rope surround (30 kN).

No. 13000 Renting and assembly (*) per metre

No. 13100 Sale each

A detailed description of our safety nets can be found on pages 1.1 - 1.4.

(*) In order to ensure that the guardrail supports are installed properly, rental must include installation.

The side protection supports supplied have been subjected to proof roll tests in accordance with BGG 928 at the BIA (the central research and testing institute for German trade associations). The test results confirm that the technical safety requirements relating to the load capacity of side supports used to secure roof edge safety netting have been met.

The ‘building industry information on the security of brick guardrails, side protection etc...’

1. The outward inclination of the side protection stanchion must be 0° (vertical). In departure from this, the inclination may be up to 45° from the vertical for constructional reasons (see fig. 1).

2. The length of the side protection stanchions shall be selected such that the distance of the upper surround rope radially to the edge of the roof
   • in the area of the side protection stanchion is ≥ 2.00 m
   • in the middle of the intermediate space is ≥ 1.50 m (see fig. 1 and 2).

The maximum spacing allowed between the brackets when using textile surround ropes is 10 m.

There must be no gaps of over 10 cm in the lower zone between the fall-off edge and the netting.

If assembling equipment yourself, you must follow the assembly instructions and instructions for use provided with each product.
2.9 **HUCK Brick Guardrail Nets Side Protection Panels**

Brick guardrail nets/ side protection panels for small objects
In order to prevent small objects from falling from scaffolding, we have a range of products.

Rotproof sheets, permeable to air, made from heavy duty PE knitted panels.

**No. 720** rotproof, air-permeable, UV-stabilised heavy duty knitted panels (approx. 200 g per m²). The panels are inclusive of eyelets at 50 cm intervals.
-015: Dark Green m²

To join sheets together, we recommend:

**No. 21300**
6 mm dia. polyethylene rope, loose
-01: Green per metre

To attach the tarpaulins by wrapping around the scaffold pipes, we recommend:

**No. 21320**
8 mm dia. nylon rope, loose
-02: White per metre

**Small mesh side safety nets in sizes to order.**

**No. 2908-030**
Knotless side protection net, made of high tenacity polypropylene, approx. 4 mm thick, mesh size 30 mm.
With all round rope stitching, equipped with Isilink Clips spaced 75 cm apart.
Size: 2.00 x 10.00 m.
-01: Green each
2.10 HUCK Scaffold Protection Netting
Dust Protection Nets

1 This solution combines a guardrail net to protect workers in the event of a fall with scaffolding panels. The scaffolding panels protect people from small falling objects and dust. The building stands in the middle of a busy pedestrian area.

2 Dust protection nets, also known as scaffolding nets in the industry, are an ideal way to protect people from dust and small falling objects. They can be attached to scaffolding quickly and easily.

Have a look at the following pages for information about thicknesses and colours.
2.11 HUCK Scaffold Protection Netting

Dust Protection Nets

Scaffold protection netting/dust protection nets supplied by the roll

**Scaffolding nets, approx. 80 g/m²**, woven double rib panels made of monofilament high-density polyethylene with a single strip of polyester yarn along the top and bottom edges and in the middle. Eyelets every 5 cm.

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Size</th>
<th>Weight</th>
<th>Colours</th>
<th>By Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>7405</td>
<td>2.57 x 50 m</td>
<td>approx. 80 g/m²</td>
<td>Green White Blau</td>
<td>by roll</td>
</tr>
<tr>
<td>7406</td>
<td>3.07 x 50 m</td>
<td>approx. 80 g/m²</td>
<td>Green White Blau</td>
<td>by roll</td>
</tr>
</tbody>
</table>

Also available in Orange, Red and Yellow on request.

**Scaffolding nets, approx. 70 g/m²**, woven double rib panels made of monofilament high-density polyethylene with a single strip of black polyester yarn along the top and bottom edges and a double strip in the middle. Eyelets every 5 cm.

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Size</th>
<th>Weight</th>
<th>Colours</th>
<th>By Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>7401</td>
<td>2.57 x 20 m</td>
<td>approx. 70 g/m²</td>
<td>Green Blue</td>
<td>by roll</td>
</tr>
<tr>
<td>7402</td>
<td>3.07 x 20 m</td>
<td>approx. 70 g/m²</td>
<td>Green Blue</td>
<td>by roll</td>
</tr>
<tr>
<td>7403</td>
<td>2.57 x 10 m</td>
<td>approx. 70 g/m²</td>
<td>Green Blue</td>
<td>by roll</td>
</tr>
<tr>
<td>7404</td>
<td>3.07 x 10 m</td>
<td>approx. 70 g/m²</td>
<td>Green Blue</td>
<td>by roll</td>
</tr>
</tbody>
</table>

**High dust resistant scaffolding net**, only 10% air permeability, high tear resistance.

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Size</th>
<th>Weight</th>
<th>Colours</th>
<th>By Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>7801</td>
<td>2.57 x 50 m</td>
<td>approx. 140 g/m²</td>
<td>Green</td>
<td>by roll</td>
</tr>
<tr>
<td>7802</td>
<td>3.07 x 50 m</td>
<td>approx. 140 g/m²</td>
<td>Green</td>
<td>by roll</td>
</tr>
</tbody>
</table>

**Materials on roll**: scaffolding debris protection netting in UV stabilised polyethylene.

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Size</th>
<th>Weight</th>
<th>Colours</th>
<th>By Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>7205</td>
<td>4.10 x 100 m</td>
<td>approx. 200 g/m²</td>
<td>Light Green Dark Green</td>
<td>by roll</td>
</tr>
<tr>
<td>7301</td>
<td>2.95 x 100 m</td>
<td>approx. 40 g/m²</td>
<td>Light Green Dark Green</td>
<td>by roll</td>
</tr>
</tbody>
</table>

1. **No. 741**
   Attachment ties for scaffold protection netting, length 30 cm. each

2. **No. 743**
   Isilink clips (DBG M) made of approx. 3 mm high tenacity polypropylene, length 30 cm, supplied in bags of 500.
   -01: Green bag
3. **No. 744**
   Isilink clips (DBG M) made of approx. 4 mm high tenacity polypropylene, length 30 cm, supplied in bags of 500.
   -04: Blue bag
2.12 HUCK Scaffold Protection Tarpaulins

1 HUCK tarpaulins,
Scaffold protection multi-panel tarpaulins with double eyelets, approx. 180 g/ m². Surround is reinforced with a polypropylene rope to protect against splitting of tarpaulins. Furthermore, there are double metal eyelets every 50 cm. Further technical data:
Breaking strength: approx. 600 N / 5 cm, UV-stabilised.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Dimensions</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>32001</td>
<td>Scaffold protection tarpaulin</td>
<td>2.60 x 10 m</td>
<td>White</td>
</tr>
<tr>
<td>32002</td>
<td>Scaffold protection tarpaulin</td>
<td>2.60 x 20 m</td>
<td>White</td>
</tr>
<tr>
<td>32003</td>
<td>Scaffold protection tarpaulin</td>
<td>3.10 x 10 m</td>
<td>White</td>
</tr>
<tr>
<td>32004</td>
<td>Scaffold protection tarpaulin</td>
<td>3.10 x 20 m</td>
<td>White</td>
</tr>
</tbody>
</table>

2 HUCK tarpaulins
Safety tarpaulins for use on scaffolding, approx. 150 g/ m², with aluminium eyelets every 100 cm and edged with PP cord. Additional technical data: tensile strength: approx. 750 N / 5 cm, UV-stabilised.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Dimensions</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>35101</td>
<td>Tarpaulin</td>
<td>6.00 x 10.00 m</td>
<td>Transparent</td>
</tr>
<tr>
<td>35102</td>
<td>Tarpaulin</td>
<td>8.00 x 10.00 m</td>
<td>Transparent</td>
</tr>
<tr>
<td>35103</td>
<td>Tarpaulin</td>
<td>10.00 x 12.00 m</td>
<td>Transparent</td>
</tr>
<tr>
<td>35104</td>
<td>Tarpaulin</td>
<td>10.00 x 15.00 m</td>
<td>Transparent</td>
</tr>
</tbody>
</table>
Applications
Guardrail nets are used primarily for roof work. Other areas of application include working on platforms, bridge building, etc. They are used to protect people who fall and fitted to roof scaffolding or at working height on façade scaffolding.

Applicable standards and net designs
EN 1263-1, DIN 4420 and German Safety Regulations BGR 179 and BGR 184 apply to guardrail nets. Guardrail nets are type U safety nets (a safety net for vertical use on load-bearing constructions). The middle rail is not required when using guardrail nets. The mesh size must not exceed 100 mm and rope is stitched into the nets all the way around the edge.

Assembly of guardrail nets
Guardrail nets must be secured to the scaffold rail. They must be kept taut and not allowed to sag. There are various ways of attaching them to the scaffold. We recommend Isilink clips, which are already sewn into your guardrail net at intervals of no more than 75 cm (in line with regulations).

Storage
• Store in a dry place
• Never store near a source of heat
• Avoid contact with aggressive substances such as acids, bases, etc.
• Do not expose to direct UV radiation

Faulty nets
Faulty nets (damaged mesh, defective rope edging) or nets that have already been used to break a fall must be withdrawn until they have been tested by the manufacturer or someone with appropriate specialist knowledge. Repairs may only be undertaken by such specialists.

Labeling
Every guardrail net must be labelled clearly in accordance with EN regulations. The label must include the following information:
• Date of manufacturer and name of manufacturer
• Net type in accordance with DIN EN 1263-1
• Precise item designation (item number)
• Minimum energy absorption capacity or minimum tensile load of test mesh in accordance with ISO 1806
• Number of the inspection authority that certified the net

Annual inspection
On every guardrail net, there are lead seals with the same identity number on the safety net label and test mesh (see photo 3). This ensures that the safety net and test mesh belong together. No more than 1 year after the date of manufacture, the first test mesh must be sent to an authorised tester (e.g. the manufacturer). This tester verifies whether the net still has the necessary strength/energy absorption capacity and produces documentary evidence of the results.

No. 9700 Net cost of inspection per test mesh
If the test results are positive, you will receive a new test badge bearing the identity number, which you then attach to the relevant net (see photo 2).
### 3.1 HUCK Safety And Industrial Nets
#### Technical Details

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description*</th>
<th>Colour</th>
<th>Material dia. (mm)</th>
<th>Mesh Size (mm)</th>
<th>Weight (g/ m²)</th>
<th>Maximum tensile strength of mesh (kN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-020</td>
<td>PP., ht., knl.</td>
<td>■■■■■</td>
<td>2.3</td>
<td>20</td>
<td>180</td>
<td>0.80</td>
</tr>
<tr>
<td>200-030</td>
<td>PP., ht., knl.</td>
<td>■■■■■</td>
<td>2.3</td>
<td>30</td>
<td>135</td>
<td>0.80</td>
</tr>
<tr>
<td>200-045</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>2.3</td>
<td>45</td>
<td>90</td>
<td>0.80</td>
</tr>
<tr>
<td>200-100</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>2.3</td>
<td>100</td>
<td>50</td>
<td>0.80</td>
</tr>
<tr>
<td>200-120</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>2.3</td>
<td>120</td>
<td>35</td>
<td>0.80</td>
</tr>
<tr>
<td>201-020</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>1.8</td>
<td>20</td>
<td>130</td>
<td>0.60</td>
</tr>
<tr>
<td>201-025</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>1.8</td>
<td>25</td>
<td>100</td>
<td>0.60</td>
</tr>
<tr>
<td>201-030</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>1.8</td>
<td>30</td>
<td>85</td>
<td>0.60</td>
</tr>
<tr>
<td>1202-020</td>
<td>PP., ht., knl.</td>
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<td>20</td>
<td>50</td>
<td>0.20</td>
</tr>
<tr>
<td>1202-030</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>1.0</td>
<td>30</td>
<td>50</td>
<td>0.20</td>
</tr>
<tr>
<td>1202-050</td>
<td>PP., ht., knl.</td>
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<td>50</td>
<td>20</td>
<td>0.20</td>
</tr>
<tr>
<td>1203-010</td>
<td>PP., ht., knl.</td>
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<td>10</td>
<td>150</td>
<td>0.25</td>
</tr>
<tr>
<td>203-020</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>1.5</td>
<td>20</td>
<td>80</td>
<td>0.25</td>
</tr>
<tr>
<td>203-030</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>1.5</td>
<td>30</td>
<td>50</td>
<td>0.25</td>
</tr>
<tr>
<td>203-050</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>1.5</td>
<td>50</td>
<td>35</td>
<td>0.25</td>
</tr>
<tr>
<td>203-060</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>1.5</td>
<td>60</td>
<td>30</td>
<td>0.25</td>
</tr>
<tr>
<td>203-100</td>
<td>PP., ht., knl.</td>
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<td>100</td>
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<td>100</td>
<td>60</td>
<td>1.00</td>
</tr>
<tr>
<td>205-120</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>2.8</td>
<td>120</td>
<td>50</td>
<td>1.00</td>
</tr>
<tr>
<td>207-045</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>3.5</td>
<td>45</td>
<td>200</td>
<td>1.40</td>
</tr>
<tr>
<td>207-100</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>3.5</td>
<td>100</td>
<td>100</td>
<td>1.40</td>
</tr>
<tr>
<td>207-120</td>
<td>PP., ht., knl.</td>
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<td>3.5</td>
<td>120</td>
<td>70</td>
<td>1.40</td>
</tr>
<tr>
<td>209-045</td>
<td>PP., ht., knl.</td>
<td>■■■■■■</td>
<td>3.0</td>
<td>45</td>
<td>150</td>
<td>1.25</td>
</tr>
<tr>
<td>209-100</td>
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<td>■■■■■■</td>
<td>3.0</td>
<td>100</td>
<td>75</td>
<td>1.25</td>
</tr>
<tr>
<td>209-120</td>
<td>PP., ht., knl.</td>
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<td>65</td>
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<tr>
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<td>35</td>
<td>350</td>
<td>2.00</td>
</tr>
<tr>
<td>210-045</td>
<td>Polyester, knl.</td>
<td>■■■■■■</td>
<td>4.0</td>
<td>45</td>
<td>285</td>
<td>2.00</td>
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<tr>
<td>210-100</td>
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<td>100</td>
<td>150</td>
<td>2.00</td>
</tr>
<tr>
<td>210-130</td>
<td>Polyester, knl.</td>
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<td>130</td>
<td>100</td>
<td>2.00</td>
</tr>
<tr>
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</tr>
<tr>
<td>212-050</td>
<td>PP., ht., knl.</td>
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<td>50</td>
<td>350</td>
<td>3.20</td>
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<tr>
<td>212-060</td>
<td>PP., ht., knl.</td>
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<tr>
<td>212-070</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>70</td>
<td>275</td>
<td>3.20</td>
</tr>
<tr>
<td>212-100</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>100</td>
<td>200</td>
<td>3.20</td>
</tr>
<tr>
<td>212-120</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>120</td>
<td>170</td>
<td>3.20</td>
</tr>
<tr>
<td>213-100</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>6.0</td>
<td>100</td>
<td>360</td>
<td>4.20</td>
</tr>
<tr>
<td>215-030</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>4.0</td>
<td>30</td>
<td>330</td>
<td>1.60</td>
</tr>
<tr>
<td>215-045</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>4.0</td>
<td>45</td>
<td>210</td>
<td>1.60</td>
</tr>
<tr>
<td>215-100</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>4.0</td>
<td>100</td>
<td>110</td>
<td>1.60</td>
</tr>
<tr>
<td>215-120</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>4.0</td>
<td>120</td>
<td>90</td>
<td>1.60</td>
</tr>
<tr>
<td>216-035</td>
<td>Polyester, knl.</td>
<td>■■■■■■■</td>
<td>3.0</td>
<td>35</td>
<td>230</td>
<td>1.10</td>
</tr>
<tr>
<td>216-045</td>
<td>Polyester, knl.</td>
<td>■■■■■■■</td>
<td>3.0</td>
<td>45</td>
<td>185</td>
<td>1.10</td>
</tr>
<tr>
<td>216-100</td>
<td>Polyester, knl.</td>
<td>■■■■■■■</td>
<td>3.0</td>
<td>100</td>
<td>90</td>
<td>1.10</td>
</tr>
<tr>
<td>216-130</td>
<td>Polyester, knl.</td>
<td>■■■■■■■</td>
<td>3.0</td>
<td>130</td>
<td>70</td>
<td>1.10</td>
</tr>
<tr>
<td>1903-045</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>45</td>
<td>475</td>
<td>3.20</td>
</tr>
<tr>
<td>1903-060</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>60</td>
<td>375</td>
<td>3.20</td>
</tr>
<tr>
<td>1903-100</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>100</td>
<td>275</td>
<td>3.20</td>
</tr>
<tr>
<td>2003-100</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>100</td>
<td>300</td>
<td>3.20</td>
</tr>
<tr>
<td>2007-020</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>1.8</td>
<td>20</td>
<td>170</td>
<td>0.60</td>
</tr>
<tr>
<td>3000-045</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>45</td>
<td>450</td>
<td>3.20</td>
</tr>
<tr>
<td>3000-060</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>60</td>
<td>350</td>
<td>3.20</td>
</tr>
<tr>
<td>3000-100</td>
<td>PP., ht., knl.</td>
<td>■■■■■■■</td>
<td>5.0</td>
<td>100</td>
<td>250</td>
<td>3.20</td>
</tr>
</tbody>
</table>

*Description:
- PP.: Polypropylene
- ht.: high tenacity
- knl.: knotless

All measurements are approximate values and subject to minor changes.

**Colour table**
- **-01** = Green
- **-015** = Dark Green
- **-02** = White
- **-03** = Orange
- **-04** = Blue
- **-05** = Yellow
- **-06** = Black
- **-07** = Red
- **-08** = Hemp Coloured
- **-09** = Violet
3.2 **HUCK Safety And Industrial Nets**

**Specifications**

- **No. 200** Green, knotless, high tenacity polypropylene, approx. 2.3 mm dia.

- **No. 200** White, knotless, high tenacity polypropylene, approx. 2.3 mm dia.

- **No. 200** Dark Green, knotless, high tenacity polypropylene, approx. 2.3 mm dia.

- **No. 200** Black, knotless, high tenacity polypropylene, approx. 2.3 mm dia.

- **No. 201** Black, knotless high tenacity polypropylene, approx. 1.8 mm dia.

- **No. 201** White, knotless high tenacity polypropylene, approx. 1.8 mm dia.

- **No. 203** Black, knotless high tenacity polypropylene, approx. 1.5 mm dia.

- **No. 205** Orange, knotless high tenacity polypropylene, approx. 2.8 mm dia.

- **No. 207** Violet, knotless, high tenacity polypropylene, approx. 3.5 mm dia.

- **No. 209** Green, knotless, high tenacity polypropylene, approx. 3 mm dia.

- **No. 209** W hite, knotless, high tenacity polypropylene, approx. 3 mm dia.

- **No. 209** Blue, knotless, high tenacity polypropylene, approx. 3 mm dia.

- **No. 209** Black, knotless, high tenacity polypropylene, approx. 3 mm dia.

- **No. 210** White, knotless polyester, approx. 4 mm dia.

- **No. 212** Green, knotless, high tenacity polypropylene, approx. 5 mm dia.

- **No. 212** W hite, knotless, high tenacity polypropylene, approx. 5 mm dia.
**3.3 HUCK Safety And Industrial Nets Specifications**

**No. 212** Orange, knotless, high tenacity polypropylene, approx. 5 mm dia.

**No. 212** Blue, knotless, high tenacity polypropylene, approx. 5 mm dia.

**No. 212** Black, knotless, high tenacity polypropylene, approx. 5 mm dia.

**No. 212** Red, knotless, high tenacity polypropylene, approx. 5 mm dia.

**No. 213** White, knotless high tenacity polypropylene, approx. 6 mm dia.

**No. 215** Green, knotless high tenacity polypropylene, approx. 4 mm dia.

**No. 215** Yellow, knotless high tenacity polypropylene, approx. 4 mm dia.

**No. 216** White, knotless Polyester, approx. 3 mm dia.

---

1 This safety net on a university building in Gießen is barely visible from a distance and protects passers-by from the possibility of falling slabs. It is fitted permanently.
3.4 HUCK Safety And Industrial Nets
Material Thickness From 1 - 3 mm

When ordering, please indicate the colour number!

Please indicate colour preference (see colour table).
Each table shows which colours are available.

Example Article No.: e.g. 209-045-01
Specification Mesh size Colour

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description*</th>
<th>Material dia. (mm)</th>
<th>Mesh size (mm)</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>1202-020</td>
<td>PP., ht., knl. (**)</td>
<td>1.0</td>
<td>20</td>
<td>■■</td>
</tr>
<tr>
<td>1202-030</td>
<td>PP., ht., knl. (**)</td>
<td>1.0</td>
<td>30</td>
<td>■■</td>
</tr>
<tr>
<td>1202-050</td>
<td>PP., ht., knl. (**)</td>
<td>1.0</td>
<td>50</td>
<td>■■</td>
</tr>
<tr>
<td>1203-010</td>
<td>PP., ht., knl. (***)</td>
<td>1.5</td>
<td>10</td>
<td>■ (diamond)</td>
</tr>
<tr>
<td>203-020</td>
<td>PP., ht., knl.</td>
<td>1.5</td>
<td>20</td>
<td>■</td>
</tr>
<tr>
<td>203-030</td>
<td>PP., ht., knl.</td>
<td>1.5</td>
<td>30</td>
<td>■</td>
</tr>
<tr>
<td>203-050</td>
<td>PP., ht., knl.</td>
<td>1.5</td>
<td>50</td>
<td>■ (while stocks last)</td>
</tr>
<tr>
<td>203-060</td>
<td>PP., ht., knl.</td>
<td>1.5</td>
<td>60</td>
<td>■</td>
</tr>
<tr>
<td>203-100</td>
<td>PP., ht., knl.</td>
<td>1.5</td>
<td>100</td>
<td>■</td>
</tr>
<tr>
<td>201-020</td>
<td>PP., ht., knl.</td>
<td>1.8</td>
<td>20</td>
<td>■</td>
</tr>
<tr>
<td>201-025</td>
<td>PP., ht., knl.</td>
<td>1.8</td>
<td>25</td>
<td>■ ■</td>
</tr>
<tr>
<td>201-030</td>
<td>PP., ht., knl.</td>
<td>1.8</td>
<td>30</td>
<td>■</td>
</tr>
<tr>
<td>200-020</td>
<td>PP., ht., knl.</td>
<td>2.3</td>
<td>20</td>
<td>■■ ■ ■</td>
</tr>
<tr>
<td>200-030</td>
<td>PP., ht., knl.</td>
<td>2.3</td>
<td>30</td>
<td>■■ ■ ■</td>
</tr>
<tr>
<td>200-045</td>
<td>PP., ht., knl.</td>
<td>2.3</td>
<td>45</td>
<td>■■ ■■ ■■</td>
</tr>
<tr>
<td>200-100</td>
<td>PP., ht., knl.</td>
<td>2.3</td>
<td>100</td>
<td>■■ ■■</td>
</tr>
<tr>
<td>200-120</td>
<td>PP., ht., knl.</td>
<td>2.3</td>
<td>120</td>
<td>■■ ■</td>
</tr>
<tr>
<td>205-100</td>
<td>PP., ht., knl.</td>
<td>2.8</td>
<td>100</td>
<td>■</td>
</tr>
<tr>
<td>200-120</td>
<td>PP., ht., knl.</td>
<td>2.8</td>
<td>120</td>
<td>■ ■</td>
</tr>
<tr>
<td>200-045</td>
<td>PP., ht., knl.</td>
<td>3.0</td>
<td>45</td>
<td>■■ ■■ ■ ■</td>
</tr>
<tr>
<td>209-100</td>
<td>PP., ht., knl.</td>
<td>3.0</td>
<td>100</td>
<td>■■ ■■</td>
</tr>
<tr>
<td>209-120</td>
<td>PP., ht., knl.</td>
<td>3.0</td>
<td>120</td>
<td>■■ ■ ■</td>
</tr>
<tr>
<td>216-035</td>
<td>Polyester, knl.</td>
<td>3.0</td>
<td>35</td>
<td>■</td>
</tr>
<tr>
<td>216-045</td>
<td>Polyester, knl.</td>
<td>3.0</td>
<td>45</td>
<td>■</td>
</tr>
<tr>
<td>216-100</td>
<td>Polyester, knl.</td>
<td>3.0</td>
<td>100</td>
<td>■</td>
</tr>
<tr>
<td>216-130</td>
<td>Polyester, knl.</td>
<td>3.0</td>
<td>130</td>
<td>■</td>
</tr>
</tbody>
</table>

(*) Description:
PP.: Polypropylene
ht.: high tenacity
knl.: knotless

Colour table
- 01 = Green
- 015 = Dark Green
- 02 = White
- 03 = Orange
- 04 = Blue
- 05 = Yellow
- 06 = Black
- 07 = Red
- 08 = Hemp coloured
- 09 = Violet

(**) Art.-No. 1202-020 to 1202-050 cut only edges.

If square mesh nets are required it is technically impossible to supply all net sizes without a seam.
All nets are manufactured with diamond mesh to the greatest possible width and then converted to square mesh.
The resulting seams cannot be avoided for technical reasons and do not reduce the quality of the net.

When ordering, please indicate the colour number!
3.5 HUCK Safety And Industrial Nets
Material Thickness From 3.5 - 6 mm

Small nets are subject to a surcharge:
100% surcharge per net for nets of less than 5 m²
35% surcharge per net for nets of less than 10 m²
20% surcharge per net for nets of less than 20 m²
The surcharge is based on the size of a single net and not the total order.

For loose hanging nets (curtain nets) the length should be longer than the surface to be covered depending on the mesh size of the net:
- a) up to 45 mm mesh size + 20%
- b) 50 - 100 mm mesh size + 15%
- c) 110 - 150 mm mesh size + 10%

For external use, polypropylene is recommended. All nets are fitted with a reinforced selvedge cord of approx. 5 - 7 mm dia. inclusive in the price per m², except 1202 and 1203-010. These are cut only!

Material thickness 15 mm (Mahulan)

<table>
<thead>
<tr>
<th>Art.-No.</th>
<th>Description</th>
<th>Material dia (mm)</th>
<th>Mesh size (mm)</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>4415-130</td>
<td>PP., knl.</td>
<td>15.0</td>
<td>130</td>
<td>on request</td>
</tr>
</tbody>
</table>

Colour table
- 01 = Green
- 015 = Dark Green
- 02 = White
- 03 = Orange
- 04 = Blue
- 05 = Yellow
- 06 = Black
- 07 = Red
- 08 = Hemp coloured
- 09 = Violet

Please indicate colour preference (see colour table). Each table shows which colours are available.

Example Article No.: e.g. 215-045-01

Specification Mesh size Colour
3.6  HUCK Safety And Industrial Nets  
In Standard Dimensions / Accessories

**Standard safety nets**

Safety nets, metre lengths in 5 m widths.  
Lengths: all

No. 2140-120  
High tenacity polypropylene,  
approx. 3 mm dia., approx. 120 mm mesh.  
-01: Green per m^2

No. 2142-120  
High tenacity polypropylene,  
approx. 4 mm dia., approx. 120 mm mesh.  
-01: Green per m^2

Small nets are subject to a surcharge:  
100% surcharge per net for nets of less than 5 m^2  
35% surcharge per net for nets of less than 10 m^2  
20% surcharge per net for nets of less than 20 m^2  
The surcharge is based on the size of a single net and not the total order.

For quality and colours of our safety and industrial nets see pages 3.2 and 3.3.

**Netting accessories**

Net surround cords attached to net

No. 2130  
6 mm dia. polyethylene rope  
-01: Green per metre  
-03: Orange per metre  
-06: Black per metre

If square mesh nets are required it is technically impossible to supply all net sizes without a seam. All nets are manufactured with diagonal mesh to the greatest possible width and then converted to square mesh. The resulting seams cannot be avoided for technical reasons and do not reduce the quality of the net.

No. 2131  
5 mm dia. nylon rope  
-02: W hit e per metre

All nets have a reinforced edge of approx. 5 - 7 mm dia., which is included in the m^2 price (see photo).

No. 2132  
8 mm dia. nylon rope  
-02: W hit e per metre

No. 2136  
12 mm dia. nylon rope  
-02: W hit e per metre

Safety nets are a reliable way to prevent pallets from sliding through racks during loading.

Net surround cords loose

No. 21300  
6 mm dia. polyethylene rope  
-01: Green per metre  
-03: Orange per metre  
-06: Black per metre

No. 21310  
5 mm dia. nylon rope  
-02: W hit e per metre

No. 21320  
8 mm dia. nylon rope  
-02: W hit e per metre

No. 21360  
12 mm dia. nylon rope  
-02: W hit e per metre

2 Safety nets are a reliable way to prevent pallets from sliding through racks during loading.
3.7 HUCK Safety And Industrial Nets

Accessories

Netting accessories

All safety nets can be equipped as follows:

For weighting the nets down:
a string of lead weights, sewn into a webbing hem fitted to the nets:

No. 2110
per metre 400 g in weight.

No. 2111
per metre 200 g in weight.

No. 2112
200 g in weight, leaded cord anchoring, not attached by band to the net.

For suspending the nets:
and so that they slide more easily aside on the steel wire rope:

No. 2122
open rings made from nylon, 9 mm dia., 53 mm long, 30 mm wide, inner length 35 mm, colour black, 3 rings per metre of netting.

No. 2123
open nylon rings, loose each

For additional protection
and securing the nets to existing borders or tape surrounds:

No. 2116
Net surround made of polyester webbing, 100 mm wide.
-02: White

To suspend and stretch the safety nets,
we recommend our galvanised steel wire ropes, which are fitted on both ends with loops and tensioners.

No. 2100
Steel wire rope, galvanised, 6 mm dia.

No. 2101
Additional: loops on both ends and tensioner for 6 mm rope.

No. 2102
Steel wire rope, galvanised, 4 mm dia.

No. 2103
Additional: loops on both ends and tensioner for 4 mm rope.

Ground Anchor
Consisting of a wire rope (steel or high-grade steel) of approx. 3 mm diameter, 40 cm long with swaged loops. With the aid of a 45 cm long round iron (nail) it can be hammered into the ground and then removed. By pulling the steel rope by the loop, the anchor positions itself slantwise in the ground and thereby becomes extremely firmly attached. Load resistance approx. 100 kg

No. 2109
with steel cable each

No. 21091
with high-grade steel cable each

---

1

2

3

4
4.1 HUCK Ropes For Industrial And Construction Sector

Synthetic ropes made of polypropylene, hemp-coloured

For the most varied fields of application in the industrial and construction sector we offer you synthetic ropes in cables of 2 standard lengths:

- Article No. 40201-08, 6 mm dia.
- Article No. 40208-08, 20 mm dia.

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Rope diameter</th>
<th>Weight per metre</th>
<th>Minimum breaking strength</th>
<th>Length of cable</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>40201-08</td>
<td>6 mm</td>
<td>17 g</td>
<td>590 daN</td>
<td>100 m</td>
<td>Cable</td>
</tr>
<tr>
<td>40202-08</td>
<td>8 mm</td>
<td>30 g</td>
<td>1040 daN</td>
<td>100 m</td>
<td>Cable</td>
</tr>
<tr>
<td>40203-08</td>
<td>10 mm</td>
<td>45 g</td>
<td>1530 daN</td>
<td>100 m</td>
<td>Cable</td>
</tr>
<tr>
<td>40204-08</td>
<td>12 mm</td>
<td>58 g</td>
<td>1950 daN</td>
<td>100 m</td>
<td>Cable</td>
</tr>
<tr>
<td>40205-08</td>
<td>14 mm</td>
<td>81 g</td>
<td>2690 daN</td>
<td>50 m</td>
<td>Cable</td>
</tr>
<tr>
<td>40206-08</td>
<td>16 mm</td>
<td>103 g</td>
<td>3330 daN</td>
<td>50 m</td>
<td>Cable</td>
</tr>
<tr>
<td>40208-08</td>
<td>20 mm</td>
<td>162 g</td>
<td>5120 daN</td>
<td>50 m</td>
<td>Cable</td>
</tr>
<tr>
<td>40210-08</td>
<td>24 mm</td>
<td>234 g</td>
<td>7170 daN</td>
<td>50 m</td>
<td>Cable</td>
</tr>
<tr>
<td>40212-08</td>
<td>28 mm</td>
<td>319 g</td>
<td>9440 daN</td>
<td>50 m</td>
<td>Cable</td>
</tr>
</tbody>
</table>
## 4.2 HUCK Ropes For Industrial And Construction Sector

**Braided lines made of polypropylene, high tenacity, green**

Polypropylene braided lines are well proven and tested aids for fastening in the industrial and construction sector. We offer them in a practical make-up on a 100 m reel:

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Rope diameter</th>
<th>Weight per metre</th>
<th>Minimum breaking strength</th>
<th>per 100 metre</th>
</tr>
</thead>
<tbody>
<tr>
<td>35211-01</td>
<td>3 mm</td>
<td>3 g</td>
<td>100 daN</td>
<td>per 100 m</td>
</tr>
<tr>
<td>35212-01</td>
<td>4 mm</td>
<td>6 g</td>
<td>150 daN</td>
<td>per 100 m</td>
</tr>
<tr>
<td>35214-01</td>
<td>6 mm</td>
<td>17 g</td>
<td>335 daN</td>
<td>per 100 m</td>
</tr>
<tr>
<td>35215-01</td>
<td>8 mm</td>
<td>30 g</td>
<td>625 daN</td>
<td>per 100 m</td>
</tr>
<tr>
<td>35216-01</td>
<td>10 mm</td>
<td>45 g</td>
<td>960 daN</td>
<td>per 100 m</td>
</tr>
<tr>
<td>35217-01</td>
<td>12 mm</td>
<td>65 g</td>
<td>1330 daN</td>
<td>per 100 m</td>
</tr>
</tbody>
</table>

- **No. 35211-01, 3 mm dia.**
- **No. 35216-01, 10 mm dia.**
- **No. 35214-01, 6 mm dia.**
- **No. 35217-01, 12 mm dia.**
4.3 HUCK Ropes For Industrial And Construction Sector

HUCK - Isilink (DBGM)
No limits to the possibilities for fixing and adjustment without metal components.

No. 38030
Isilink line in high tenacity polypropylene, 3 mm dia.
Breaking strain: 80 daN
Metres/reel: 1000 m
-01: Green per reel

No. 38040
Isilink line in high tenacity polypropylene, 4 mm dia.
Breaking strain: 100 daN
Metres/reel: 600 m
-04: Blue per reel

No. 38060
Isilink line in high tenacity polypropylene, 6 mm dia.
Breaking strain: 160 daN
Metres/reel: 500 m
-07: Red per reel

No. 38080
Isilink line in high tenacity polypropylene, 8 mm dia.
Breaking strain: 290 daN
Metres/reel: 250 m
-06: Black per reel

No. 38100
Isilink line in high tenacity polypropylene, 10 mm dia.
Breaking strain: 360 daN
Metres/reel: 150 m
-08: Hemp coloured per reel

No. 38999
Sales Stand in steel tube, white, powder-coated. To hold 5 different Isilink cords on disc type reels.
Stand dimensions: 50 cm x 50 cm x 190 cm each

1 - 4 Simply cut off the desired length and weld together quickly with a small flame (from a match or cigarette lighter). Then place both ends in the openings provided and pull tight.
4.4 HUCK Air Permeable Nets/Covers

Small covers are subject to a surcharge:
- 100% surcharge per cover for covers of less than 5 m²
- 35% surcharge per cover for covers of less than 10 m²
- 20% surcharge per cover for covers of less than 20 m²

The surcharge is based on the size of a single cover and not the total order.

Air permeable plastic covers in all measurements per m²

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description</th>
<th>Weight per m²</th>
<th>Colours</th>
</tr>
</thead>
<tbody>
<tr>
<td>720</td>
<td>Polyethylene</td>
<td>approx. 200 g</td>
<td>Dark green, Blue</td>
</tr>
<tr>
<td>765</td>
<td>Polyethylene</td>
<td>approx. 220 g</td>
<td>Dark green, Blue, Silver, Cream</td>
</tr>
<tr>
<td>760</td>
<td>Polyethylene</td>
<td>approx. 240 g</td>
<td>Black</td>
</tr>
<tr>
<td>775</td>
<td>Polyethylene</td>
<td>approx. 320 g</td>
<td>Blue (fire retardant)</td>
</tr>
<tr>
<td>790</td>
<td>Polyester mesh</td>
<td>approx. 400 g</td>
<td>Blue</td>
</tr>
<tr>
<td>795</td>
<td>Natural fibre</td>
<td>approx. 450 g</td>
<td>Hemp coloured (natural fibre!)</td>
</tr>
<tr>
<td>785</td>
<td>PP high tenacity</td>
<td>approx. 550 g</td>
<td>Green</td>
</tr>
</tbody>
</table>
4.5  **HUCK Impermeable Tarpaulins**

Impermeable tarpaulins as protection against wind and storm, dirt and dust. Environmentally friendly, recyclable and UV-stabilised.

No. 340-025 HDPE woven tape, approx. 190 g/m²

**HUCK tarpaulins in standard sizes**

| No. 35001 | Tarpaulin, 3 x 4 m | -04: Blue | each |
| No. 35002 | Tarpaulin, 4 x 5 m | -04: Blue | each |
| No. 35003 | Tarpaulin, 6 x 8 m | -04: Blue | each |
| No. 35004 | Tarpaulin, 6 x 10 m | -04: Blue | each |

No. 35001 to 35004 woven PP mesh, approx. 200 g/m²

**Fastening**

| No. 2126 | 6 mm thick elastic stretch rope, attached | Colour: Red/White | per metre |
| No. 2130 | 6 mm thick polyethylene rope, attached | -01: Green | per metre |

| N o. 35002-04 tarpaulin made of woven PP mesh, approx. 200 g/m² |

**HUCK tarpaulins in rolls**

| No. 34005-025 | Tarpaulin made of coated HDPE tape fabric, approx. 190 g per m², seamed all round as well as eyelets 50 cm apart. Tear strength lengthwise and across: approx. 850 N/5 cm. Temperature resistance: -40° to +80°. -025: Natural-coloured | 4 m x 100 m roll | each |

**HUCK tarpaulins any size**

| No. 340 | Tarpaulin made of coated HDPE tape fabric, approx. 190 g per m², seamed all round as well as eyelets 50 cm apart. Tear strength lengthwise and across: approx. 850 N/5 cm. Temperature resistance: -40° to +80°. -025: Natural-coloured | 4 m x 100 m roll | each |

Small covers are subject to a surcharge:
- 100% surcharge per cover for covers of less than 5 m²
- 35% surcharge per cover for covers of less than 10 m²
- 20% surcharge per cover for covers of less than 20 m²

The surcharge is based on the size of a single cover and not the total order.
4.6 Building-Site Fencing

This type of fence can be set up in a few minutes. The weather-proof barrier demarcates dangerous areas with high visibility, thus protecting passers-by and personnel, at minimum cost. The material is UV-stabilised, rot-proof, air-permeable and can be used many times. The fence is supplied on roll.

No. 7001
Building-site security fence in rolls of 50 m length and 1 m height. Weight per roll: 15 kg. Weight per m² approx. 250 g.
Size of opening: 35 x 85 mm.
Only available in rolls of 50 m x 1 m.
-03: Orange per roll

Building-site boundary fencing with integral polyester posts.

No. 7050
New building-site boundary fence, made from air-permeable PE Raschel tape knitted fabric with polyester posts already incorporated, with steel tips.
Posts:
1.10 m long, 12 mm dia.
Distance between posts:
2.50 m

Net: 85 cm high, orange safety colour
Fence length: 25 m
Weight (incl. posts): approx. 4 kg
Roll complete with 11 polyester posts
-03: Orange per item

No. 2159
Support post, made from T-iron, galvanised, 20 x 20 x 3 mm, pointed at one end, with 6 mm dia. transverse bolt, 130 cm high.
for fencing no. 7001.
per item
4.7 More Top Quality Products From HUCK

For industry:

Industrial nets - a world of nets for technology and the environment
Lifting, pulling, loading, covering, protecting, securing - in a technical world there is a world of nets. Scarcely any material meets the multiple demands of in company work as flexible and as cost effectively as the net. Order our special catalogue now.

In the sports sector:

Huck sports nets and ropes covering all ball games
In this special catalogue you will find nets for football, handball, volleyball, badminton and tennis as well as beach and fun games and every other type of sport imaginable. We will be pleased to send you this catalogue on request.

In the leisure sector:

Huck rope technology
We have extended our playground range again this year. The goods in this range such as climbing nets, swings, net bridges, rope ladders, climbing ropes and net sports equipment can be found in our catalogue ‘Huck Rope Technology’. Please request this special catalogue from us.
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