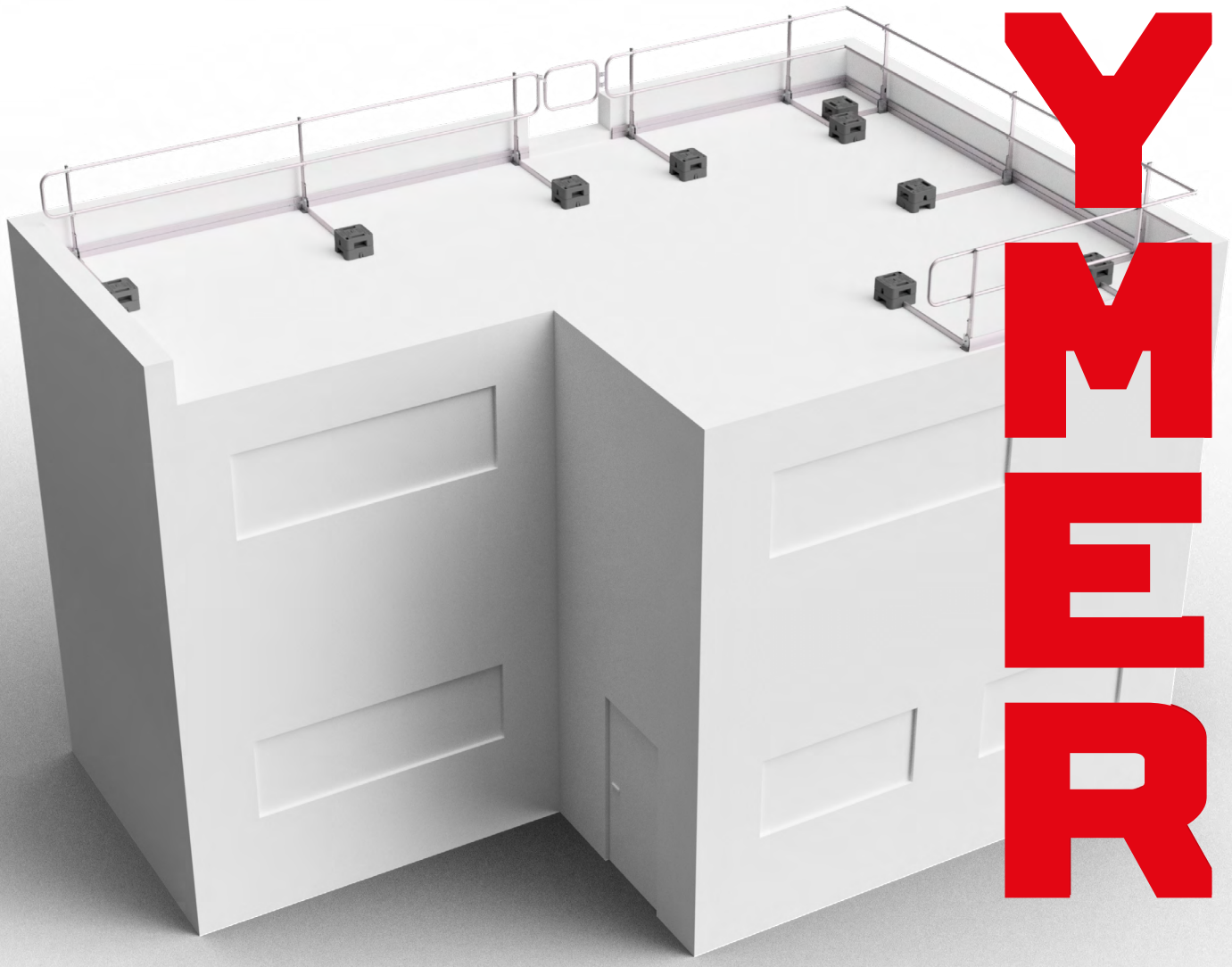
HYGHTS railing systems

HYMER



MADE FOR PEOPLE WHO GET THINGS DONE.

HYGHTS – Railing systems for maximum safety on the roof.

With our HYGHTS railing systems, you can secure roofs and fall edges reliably and permanently. Quick to assemble, flexibly adaptable and offering maximum safety, pre-assembled components and click systems enable effortless installation – clean, quick and without interfering with the roof cladding. Manufactured in Germany, our systems impress with their high quality and precise workmanship. For maximum safety in every work situation. True to our claim: HARD WORK MADE EASY.

MADE FOR PEOPLE WHO GET THINGS DONE.

WHY COLLECTIVE FALL PROTECTION

As flat roof areas are increasingly being used as usable and working surfaces, regular maintenance, repair, upkeep and snow clearance work is required. Building and roof area operators are obliged to secure roof areas in such a way that people are not endangered when using them for their intended purpose. This also applies to external companies, maintenance and service personnel.

Your advantages at a glance:

- **Maximum safety for all users:** A permanently installed railing system automatically protects against falls – regardless of training or experience.
- **Access for untrained personnel:** No training or special certificates required – even temporary or external teams can work safely.
- **Minimal follow-up costs:** Maintenance and regular inspections are simple and inexpensive, eliminating the need for expensive rescue equipment or individual PPE.
- **Efficient use:** No complicated installation of rope safety devices, no time-consuming preparations – ready for immediate use.
- **Long-term investment:** Robust materials and tested quality ensure lasting protection with minimal effort.

CHECKLIST: PLANNING RAILING SYSTEMS

1. Purpose and use

☐ Clarify the purpose of the roof area (maintenance and repair)
☐ Define the type of use (private, commercial, public)
☐ Identify the group of users
☐ Frequency of use
☐ Permanent or temporary use

2. Project and location analysis

☐ Roof pitch
☐ Roof covering: material and condition
☐ Check available installation area for ballast elements
☐ Structures to be taken into account (height offset, skylights, air conditioning/systems, pipes, etc.)
☐ Monument or design specifications (if relevant)
☐ Building height and location: include wind and snow loads in the planning
☐ Load capacity of the roof
☐ Dimensions

3. System planning and selection

☐ Select railing system according to requirements (locally applicable standards and regulations)
☐ Check compatibility with roof structure
☐ Consider access options for installation and maintenance

4. Installation, operation and safety

☐ Ensure fall protection for installation personnel
☐ Take emergency and rescue plans into account
☐ Clearly mark the railing system
☐ Document installation instructions and test reports
☐ Schedule regular inspections

INFOBOX: LEGAL COMPLIANCE

The selection and installation of fall protection systems on roofs is carried out in accordance with European occupational health and safety guidelines and the relevant national regulations.
Each project is based on a site-specific risk assessment that identifies potential risks and defines specific protective measures.

PRECEDENCE

- laws
- regulations
- technical rules
- national regulations
- national standards

Collective protective measures always have priority.

The following groups of people are obliged to observe and implement these requirements:

- Architects/planners
- Building and facility managers
- Owners/tenants
- Managing directors
- Health and safety officers
- Occupational safety specialists
- General contractors and subcontractors
- Facility management

In practice, there are various factors that influence the requirements for railing systems. These include, for example, the usage category of the roof area, the covering and the installation height, the available installation area for positioning ballasts, and the height of the building and its geographical location.

We will advise you in detail and clarify all technical details.

+49 7522 700-702 technical-sales@hymer-alu.de

Technically tested and officially certified

HYGHTS railing systems have been tested by independent, accredited testing institutes and certified in accordance with standards DIN EN ISO 14122-3, DIN EN 13374 – Class A and NF E85-015. The certificates are available on request.

ROOF EDGE PROTECTION AND FALL PREVENTION – EUROPEAN GUIDANCE

Key Principle: Collective protection measures always have priority over personal protective equipment (PPE). PPE is only used as a supplement when collective measures are not feasible or are disproportionate.

European standards and directives

- **EU Framework directive 89/391/EEC** – General obligations for occupational safety and health
- **EN 13374** – Temporary edge protection systems
- **ISO 14122-3 Safety of machinery** – Fixed means of access to machine systems part 3: stairs, step ladders and guardrails
- **National implementations** – Each country may define specific requirements

Hierarchy of fall protection (EU approach)

Level	Description	Example measures
I Collective Protection	Prevent fall at the source	Permanent guardrails, parapets, roof-edge barriers
II Collective temporary measures	Protect during maintenance / temporary work	Temporary railings, safety nets
III Personal protection (PPE)	Only if collective protection is not feasible	Safety harnesses, lanyards, anchor points

Note: National requirements may vary. Always consult local regulations and conduct a site-specific risk assessment.



Do‘s & Don‘ts

Do:

- Use permanent edge protection wherever possible.
- Conduct risk assessments for every new roof task.
- Mark restricted zones and hazards clearly.

Don’ts:

- Rely solely on PPE as the first line of defense.
- Ignore temporary gaps in guardrails.
- Allow untrained workers near unprotected edges.

HYGHTS RAILING SYSTEM

With our new railing system, we are setting new standards in ease of installation and adaptability. Developed for long-term use on roofs, the system offers maximum flexibility with minimal installation effort – no drilling required and reduced tool requirements. For maximum safety: Compliant with standards and flexible. HYGHTS railing systems offer 100% compliance with standards and certified quality assurance. The result: Quick to install, safe to use and permanently reliable.

Online configurator:
Online map service, simple data entry, standard-compliant planning.

Tiltable version:
For precise levelling of roof slopes.

Corrosion resistant:
All parts made of aluminium or stainless steel.

Non-penetrating:
No thermal bridges, no sound transmission.

Modular design:
Flexible adaptation to circumstances, easy adjustments possible in case of changes.

Height adjustment up to 200 mm:
For precise compensation of height differences.

Click system installation:
Pre-assembled post elements, no drilling, no damage to the roof covering.

On-site measurements:
Precise measurements for perfectly fitting fall protection.

Low dead weight:
And therefore low surface weight.

Find the right solution quickly: Measure buildings in the online map service or choose from predefined shapes – the online configurator makes it easy and precise to start planning.

THE RIGHT SOLUTION FOR EVERY SITUATION

HYGHTS standard



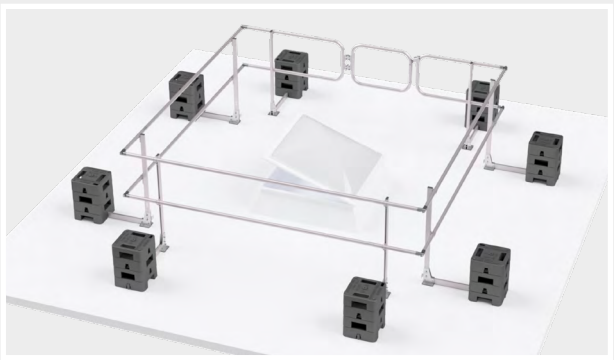
The standard railing system consists of rigid posts that can be individually adjusted in height. HYGHTS standard impresses with its ease of use and reliable stability – ideal for standard applications.

HYGHTS flex



Tiltable version for precise compensation of roof slopes.
The flexible railing system is suitable for flat roofs with a slope of up to 10° and ensures maximum adaptability. With adjustable posts that compensate for slopes from -5° to +30°, HYGHTS flex adapts to your roof slope. The adjustable posts can be flexibly adapted to different roof pitches and adjusted in height. This creates a safe and individually adaptable fall protection system for any roof shape.

HYGHTS skylights



Even special areas such as skylights can be safely implemented with HYGHTS railing systems. Configuration is easy using the configurator, where elements can be added and adjusted with a click.

COMPONENTS OF THE SYSTEM

1 Hand rail

2 Knee rail

3 Post

4 Toeboard

5 Angle connector

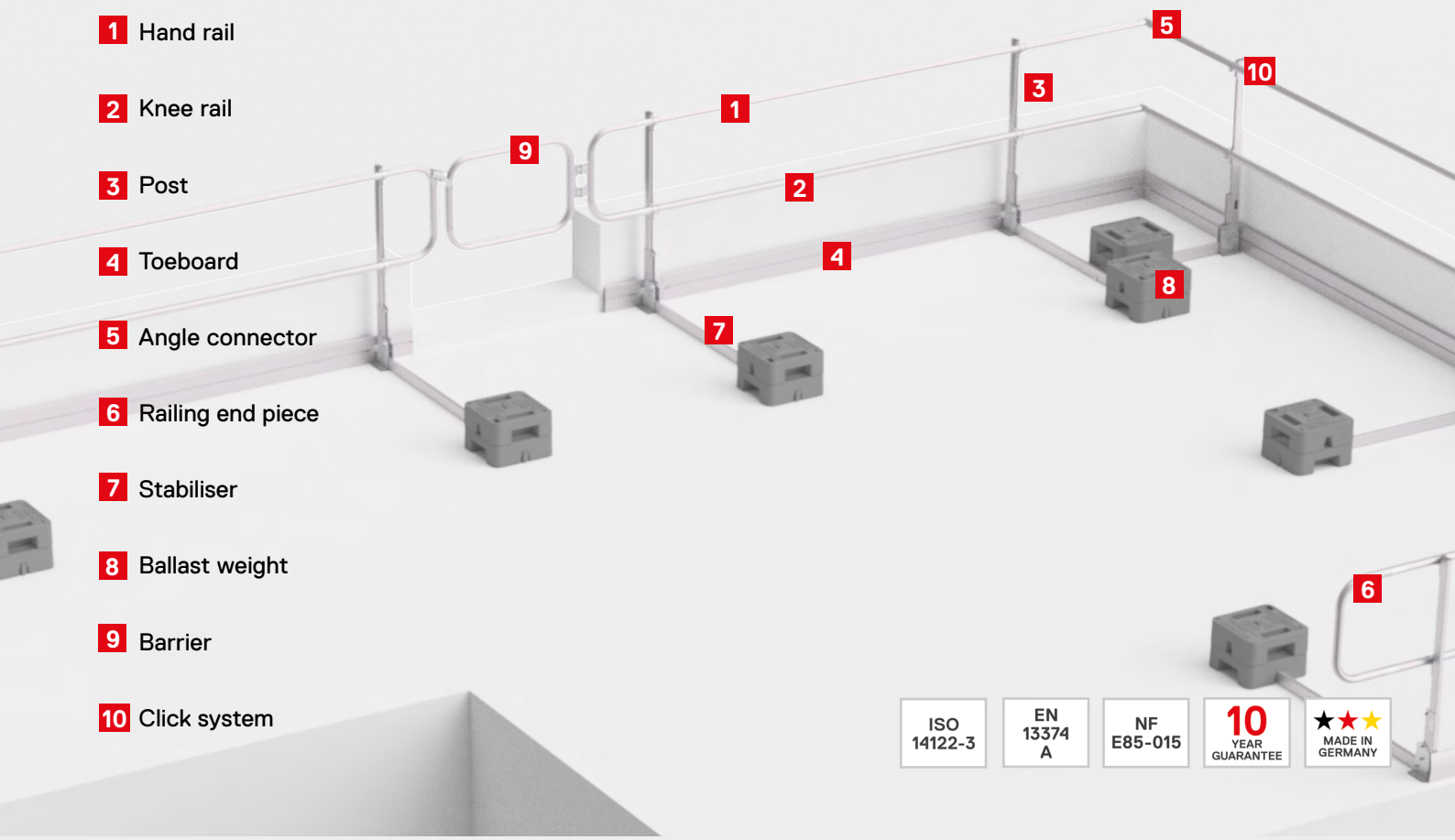
6 Railing end piece

7 Stabiliser

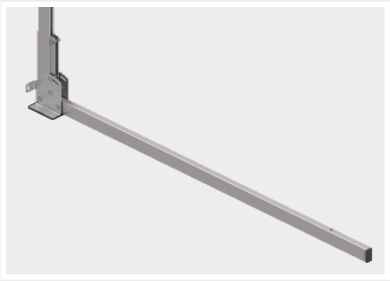
8 Ballast weight

9 Barrier

10 Click system



COMPONENTS



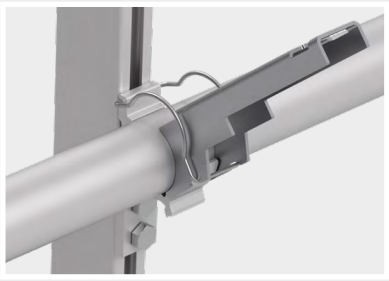
Stabiliser

Stabilisers in various lengths ensure a perfect fit for individual conditions – for maximum flexibility on site.



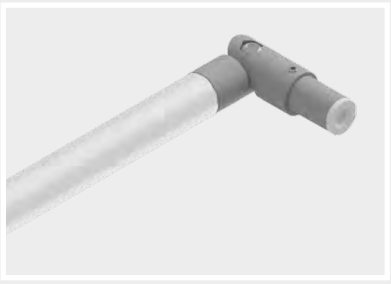
Ballasting

Solid plastic weights made from recycled material, weighing 12.5 kg and featuring ergonomic handles. Modular stackable, space-saving and flexible to combine. UV and weather resistant.



Click system

Pre-assembled post elements enable quick connection using a click system. No drilling, no chips, no damage to the roof covering. This saves you valuable installation time.



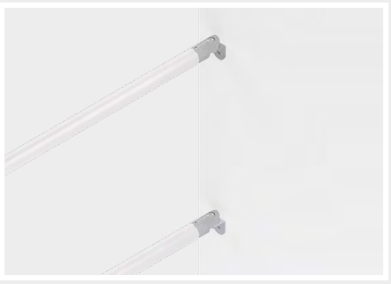
Connectors for rails

Linear and angle connectors for railings and knee rails offer maximum flexibility and enable continuous adjustment within a range of 90° to 180°.



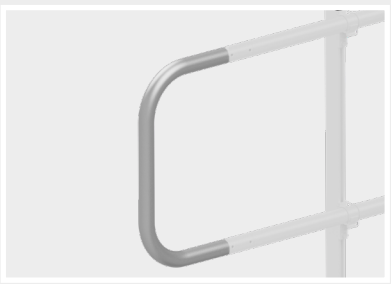
Connector for stabiliser

Corner connector for stabilisers enables secure installation in roof corners.



Wall mounting

Final connection to walls.



Railing end piece

The railing end piece forms the form-fitting end of the railing and knee rail.



Covers set

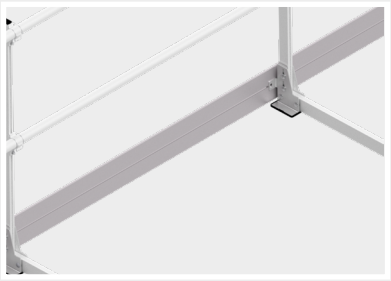
The covers set serves as a pipe end cap and is inserted into the guardrail tube.

ACCESSORIES



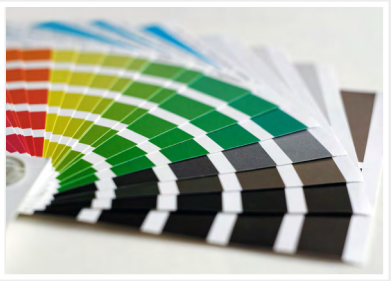
Barrier

Can be mounted to open flexibly to the left or right. Closes automatically for maximum work safety.



Toeboard

If there is no roof edge or if it is less than 150 mm high, a toeboard is required.



Colours

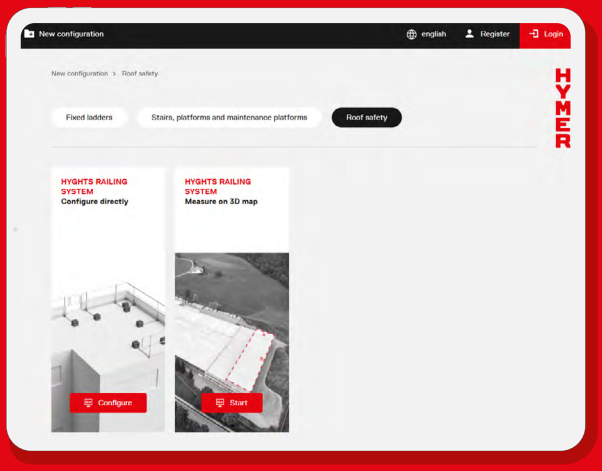
HYGHTS railing systems are available in all RAL colours as powder coating.

HYMER CONFIGURATOR FOR HYGHTS RAILING SYSTEMS

Easily configure your product now.

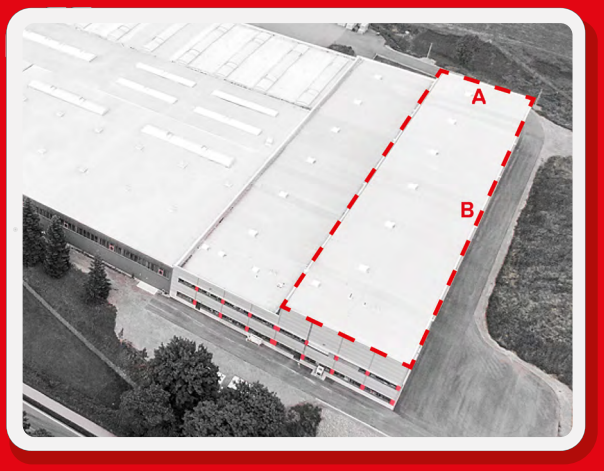
With our configurator, you can quickly and easily plan customised railing systems. In addition to configuration, roof areas of existing buildings can also be measured precisely. All entries are automatically checked for compliance with standards – ensuring that your project meets the applicable safety standards at all times.

01 Select variant.



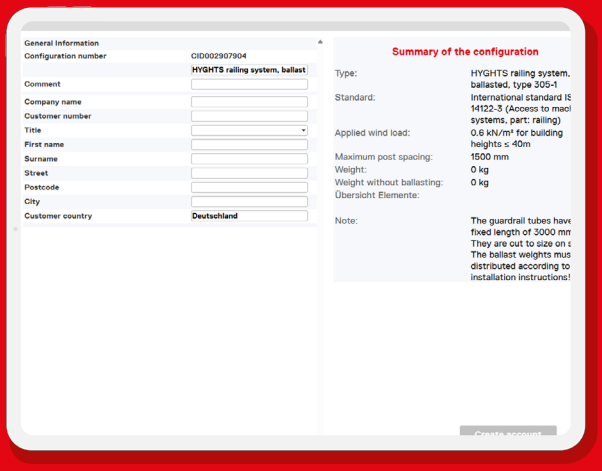
3D map view or selection of standard or free-form surface: Select the shape that suits you best or measure your existing building with the 3D map view and start the configuration.

02 Configure product features.



User-friendly configuration in just a few steps: After entering the dimensions, a 3D view of the configuration appears and individual adjustments can be made, such as adding a barrier, toeboards or guardrail sections around roof hatches.

03 Display detailed quote.



The configuration can be saved and retrieved at a later time. With just one click, a quote is created for instant viewing and you can easily place your order online.

04 Have roof railings delivered.

Your order will be processed immediately and your new fall protection equipment will be delivered quickly.

Configure now!

hymer-configurator.com

EXAMPLE APPLICATION: HYGHTS RAILING SYSTEM ON A HIGH-RISE FLAT ROOF







Maximum safety in minimum installation time.
It's that easy to assemble – watch the video now:

PRECONFIGURED MODULES AND COMPONENTS FOR HYGHTS ROOF RAILING SYSTEMS

14 HYGHTS railing system, standard, EN 13374 A

14 HYGHTS railing system, standard, ISO 14122-3 & NF E85-015

15 HYGHTS railing system, flex, EN 13374 A

15 HYGHTS railing system, flex, ISO 14122-3 & NF E85-015

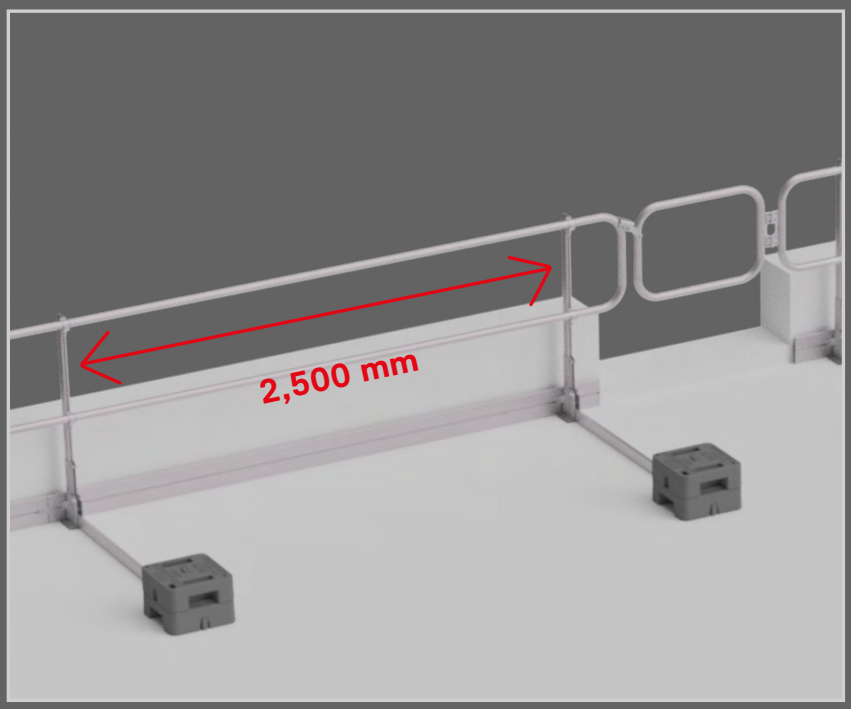
17 HYGHTS railing system, skylight railing without barrier

17 HYGHTS railing system, skylight railing with barrier

18 Individual components

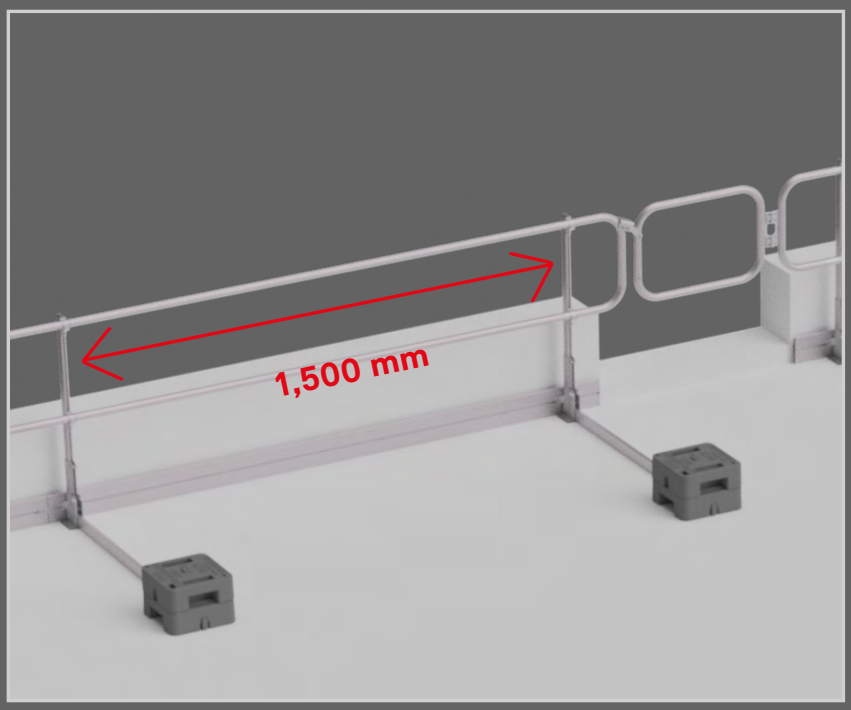
EN 13374 A

Temporary side protection systems

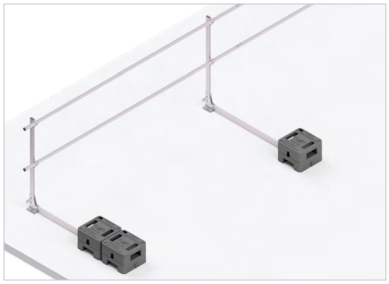


ISO 14122-3 & NF E85-015

Access to machine systems / industrial systems



EN 13374 A

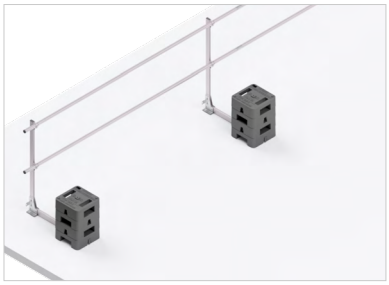


EN 13374 A

HYGHTS railing system, standard, with long stabiliser

- Includes posts, weights, hand and knee rail tubes, linear connectors and screw connections.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.
- Additional material is required for corner formations or barriers.
- Note: If the hand and knee rail tubes protrude more than 0.6 metres beyond the last post, a railing end piece (order no. 30510108) is required.

Linear metres	3	15	30	60	90
Weight (approx. kg)	111.6	275.5	473.5	867.2	1,263.8
Order no.	30511403	30511415	30511430	30511460	30511490



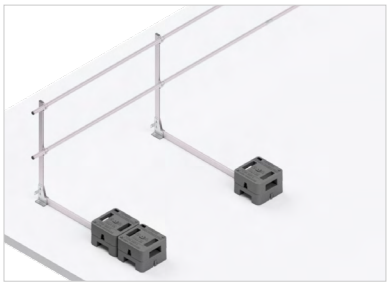
EN 13374 A

HYGHTS railing system, standard, with short stabiliser

- Includes posts, weights, hand and knee rail tubes, linear connectors and screw connections.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.
- Additional material is required for corner formations or barriers.
- Note: If the hand and knee rail tubes protrude more than 0.6 metres beyond the last post, a railing end piece (order no. 30510108) is required.

Linear metres	3	15	30	60	90
Weight (approx. kg)	210.8	497.7	843.3	1,532.2	2,224.0
Order no..	30511303	30511315	30511330	30511360	30511390

ISO 14122-3 & NF E85-015



ISO 14122-3 NF E85-015

HYGHTS railing system, standard, with long stabiliser

- Includes posts, weights, hand and knee rail tubes, linear connectors and screw connections.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.
- Additional material is required for corner formations or barriers.
- Note: If the hand and knee rail tubes protrude more than 0.6 metres beyond the last post, a railing end piece (order no. 30510108) is required.

Linear metres	3	15	30	60	90
Weight (approx. kg)	139.1	385.5	694.0	1,307.8	1,924.3
Order no.	33511403	33511415	33511430	33511460	33511490



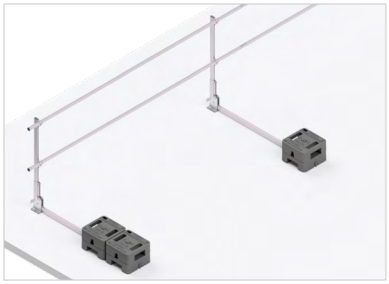
ISO 14122-3 NF E85-015

HYGHTS railing system, standard, with short stabiliser

- Includes posts, weights, hand and knee rail tubes, linear connectors and screw connections.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.
- Additional material is required for corner formations or barriers.
- Note: If the hand and knee rail tubes protrude more than 0.6 metres beyond the last post, a railing end piece (order no. 30510108) is required.

Linear metres	3	15	30	60	90
Weight (approx. kg)	262.9	706.1	1,260.6	2,366.4	3,474.9
Order no..	33511303	33511315	33511330	33511360	33511390

EN 13374 A



EN 13374 A

HYGHTS railing system, flex, with long stabiliser

- Includes posts, weights, hand and knee rail tubes, linear connectors and screw connections.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.
- Additional material is required for corner formations or barriers.
- Note: If the hand and knee rail tubes protrude more than 0.6 metres beyond the last post, a railing end piece (order no. 30510108) is required.

Linear metres	3	15	30	60	90
Weight (approx. kg)	112.4	278.3	478.7	877.2	1,278.6
Order no.	30512403	30512415	30512430	30512460	30512490



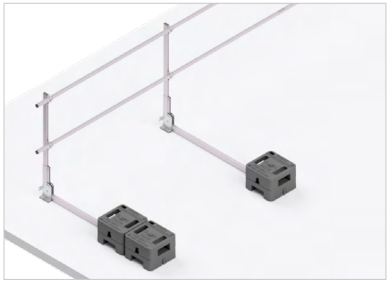
EN 13374 A

HYGHTS railing system, flex, with short stabiliser

- Includes posts, weights, hand and knee rail tubes, linear connectors and screw connections.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.
- Additional material is required for corner formations or barriers.
- Note: If the hand and knee rail tubes protrude more than 0.6 metres beyond the last post, a railing end piece (order no. 30510108) is required.

Linear metres	3	15	30	60	90
Weight (approx. kg)	211.6	500.5	848.5	1,542.2	2,238.8
Order no.	30512303	30512315	30512330	30512360	30512390

ISO 14122-3 & NF E85-015



ISO 14122-3 NF E85-015

HYGHTS railing system, flex, with long stabiliser

- Includes posts, weights, hand and knee rail tubes, linear connectors and screw connections.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.
- Additional material is required for corner formations or barriers.
- Note: If the hand and knee rail tubes protrude more than 0.6 metres beyond the last post, a railing end piece (order no. 30510108) is required.

Linear metres	3	15	30	60	90
Weight (approx. kg)	140.3	389.9	702.4	1,324.2	1,948.7
Order no.	33512403	33512415	33512430	33512460	33512490



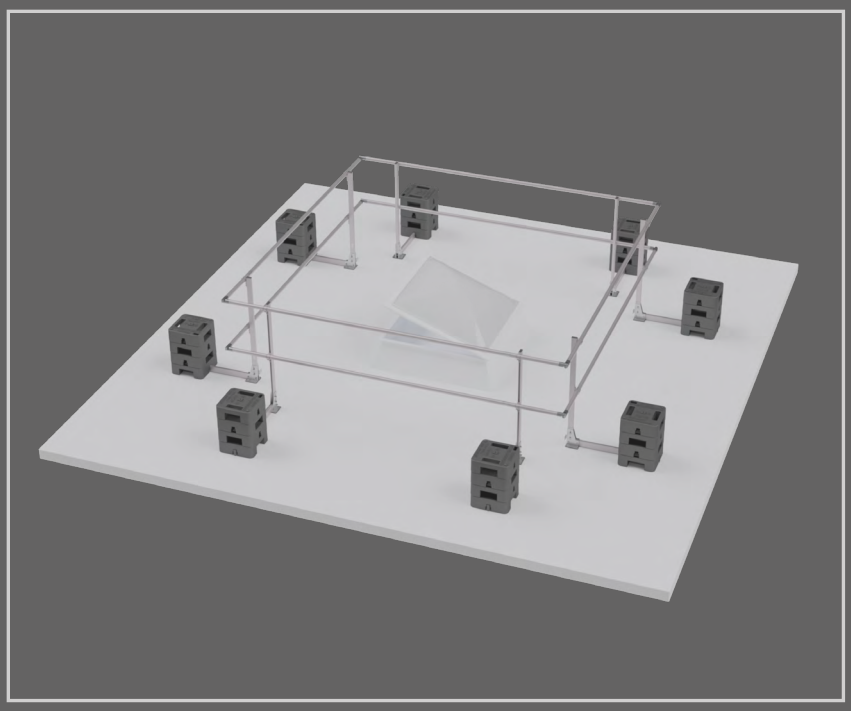
ISO 14122-3 NF E85-015

HYGHTS railing system, flex, with short stabiliser

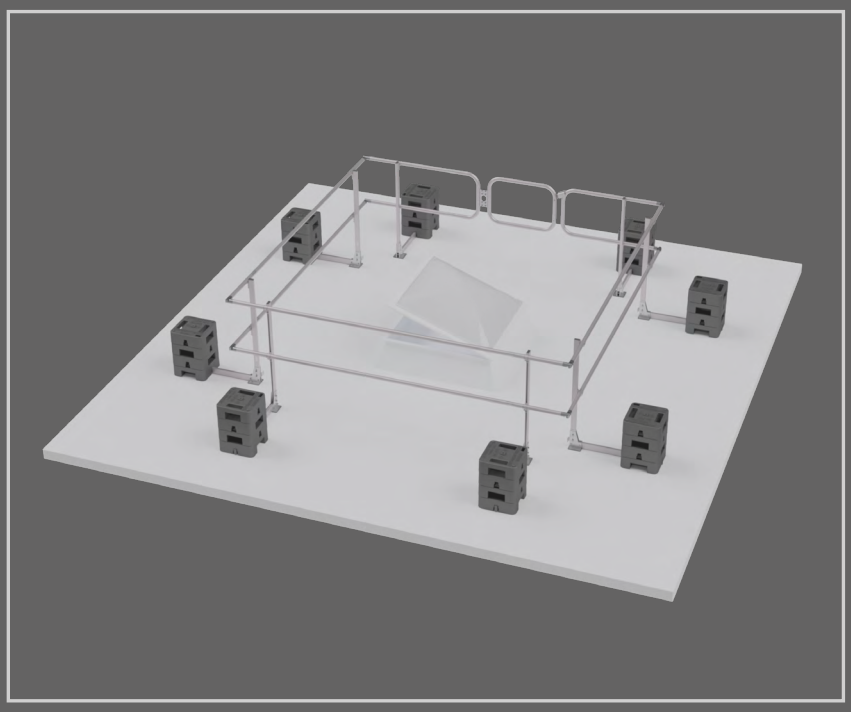
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- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.
- Additional material is required for corner formations or barriers.
- Note: If the hand and knee rail tubes protrude more than 0.6 metres beyond the last post, a railing end piece (order no. 30510108) is required.

Linear metres	3	15	30	60	90
Weight (approx. kg)	264.1	710.5	1,269.0	2,382.8	3,499.3
Order no.	33512303	33512315	33512330	33512360	33512390

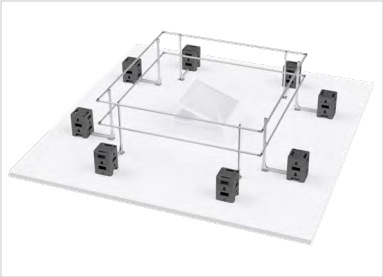
WITHOUT BARRIER



WITH BARRIER



EN 13374 A

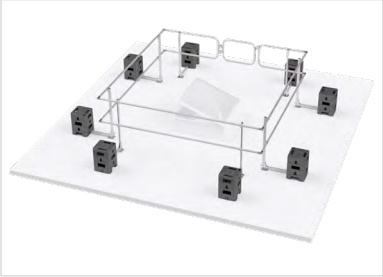


HYGHTS railing system, skylight railing without barrier

- Pre-configured modules for securing skyligts.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.

Size (approx. m)	2×2	3×3
Weight (approx. kg)	442.9	446.9
Order no.	30510302	30510303

EN 13374 A



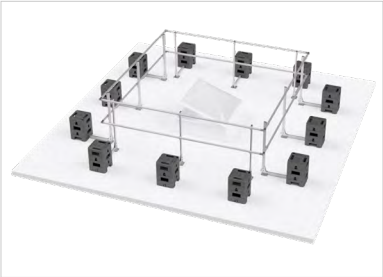
HYGHTS railing system, skylight railing with barrier

- Pre-configured modules for securing skyligts.
- Including self-closing barrier that can be mounted on both sides.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.

Size (approx. m)	2×2	3×3
Weight (approx. kg)	546.9	552.7
Order no.	30510312	30510313

EN 13374 A

ISO 14122-3 & NF E85-015

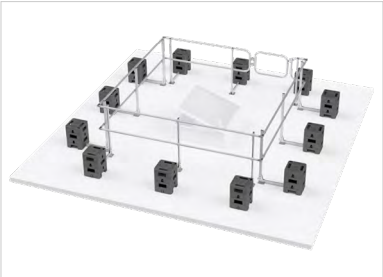


HYGHTS railing system, skylight railing without barrier

- Pre-configured modules for securing skyligts.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.

Size (approx. m)	2×2	3×3
Weight (approx. kg)	442.9	655.3
Order no.	30510302	33510303

ISO 14122-3 NF E85-015



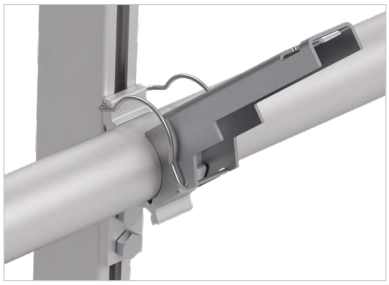
HYGHTS railing system, skylight railing with barrier

- Pre-configured modules for securing skyligts.
- Including self-closing barrier that can be mounted on both sides.
- The assembly tool (order no. 30510110) must be ordered in the required quantity separately.

Size (approx. m)	2×2	3×3
Weight (approx. kg)	546.9	761.1
Order no.	30510312	33510313

ISO 14122-3 NF E85-015

INDIVIDUAL COMPONENTS



HYGHTS assembly tool

- For the installation of the HYGHTS railing system.
- Legal warranty.

Material	alu
Order no.	30510110



Fixed post

- Standard type (90°) for particularly quick installation.
- Height adjustment up to 30 mm for easy compensation of height differences.
- Click system enables quick installation of railing and knee rails.

Material	alu/stainless steel	alu/stainless steel
Height (approx. mm)	1,100	1,100
Length of stabiliser (approx. mm)	1,500	840
Height adjustment (approx. mm)	30	30
Order no.	30511202	30511204



Adjustable post

- Variable inclination from -5° to 30°, individually adjustable inwards or outwards.
- Height adjustment up to 200 mm for precise compensation of height differences.
- Click system enables quick installation of railing and knee rails.

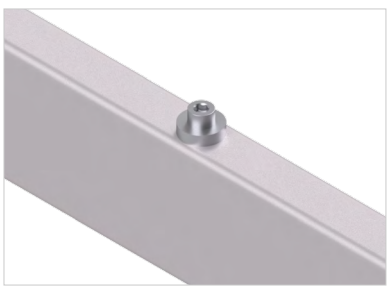
Material	alu/stainless steel	alu/stainless steel
Height (approx. mm)	1,100	1,100
Length of stabiliser (approx. mm)	1,500	840
Height adjustment (approx. mm)	200	200
Order no.	30512212	30512214



Screw connection for posts

- One screw with nut is required per railing post.

Material	stainless steel	stainless steel	stainless steel
Quantity (for number of posts)	15	30	50
Order no..	30510130	30510131	30510132



Positioning screws for stabilisers

- For securing weights.
- Necessary for freestanding railing ends.

Material	stainless steel
Quantity (for number of stabilisers)	2
Order no.	30510140

INDIVIDUAL COMPONENTS

NEW



HYGHTS fixed ladder connector

- For connecting HYMER fixed ladders to HYGHTS railing systems.
- Including fastening material.

Material	stainless steel
Order no.	30510114



Corner connector for stabiliser

- For connecting stabilisers in corners.
- Reduces the amount of ballasts required.

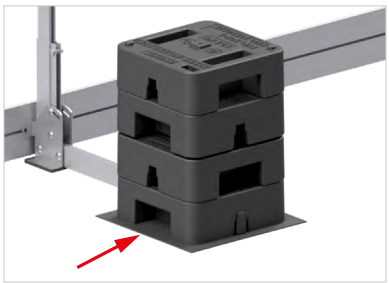
Material	alu
Order no.	30510107



Ballast weight

- Weighs only 12.5 kg and features ergonomic handles for comfortable handling.
- Modular stackable design saves space and allows for flexible combinations.
- Solid plastic weights made from recycled material.
- Two ballast weights are required for a 1,500 mm stabiliser, and four weights for a 840 mm stabiliser.
- Legal warranty.

Material	plastic
Weight (approx. kg)	12.5
Order no.	30510125



Building protection mat

- Maximum stability thanks to special building protection mats.
- Prevents slipping and protects the roof surface.
- Railings may only be installed with building protection mats. Original mats or equivalent alternatives may be used.
- Legal warranty.

Material	plastic
Dimensions (approx. mm)	400×400
Weight (approx. kg)	0.3
Order no.	30510111

INDIVIDUAL COMPONENTS



Hand and knee rail tube

- Easy cutting with pipe cutter for quick adjustments directly on site.
- Legal warranty.

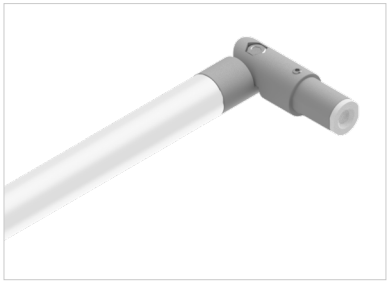
Material	alu
Length (approx. mm)	3,000
Order no.	30510100



Linear connector for railing

- For connecting railing and knee rail tubes.
- Easy installation: Simple to fix in place with just two screws.
- Legal warranty.

Material	alu
Order no.	30510103



Angle connector for railing

- For connecting railing and knee rail tubes.
- Maximum flexibility for all corners thanks to adjustment range from 90° to 180°.
- Legal warranty.

Material	alu
Order no.	30510102

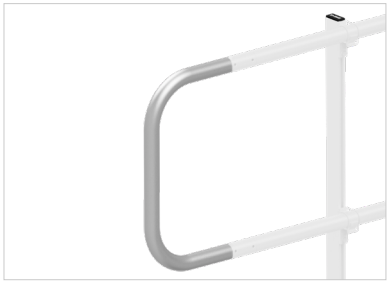
INDIVIDUAL COMPONENTS



Barrier

- Can be mounted to open to the left or right.
- Four linear connectors for railings (order no. 30510103) are required for installation.
- Including two railing end pieces.

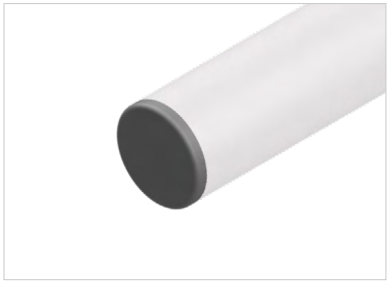
Material	alu
Passage width (approx. mm)	800
Overall dimensions LxH (approx. mm)	1,410 x 540
Order no.	30510106



Railing end piece

- For a stable connection between the railing and knee rail.
- Two additional linear connectors for railing (order no. 30510103) are required.

Material	alu
Order no.	30510108



Covers set

- For covering railing and knee rail tubes.
- Content: 2 covers.

Material	plastic
Diameter (approx. mm)	40
Order no.	30510127



Wall mountings kit

- For fastening the railing and knee rail to the wall.
- Individually adjustable fastening point thanks to the freely rotatable connection.
- Content: 2 wall mountings.

Material	alu
Order no.	30510109



Toeboard

- Required if there is no existing parapet ≥ 150 mm on site.
- A screw connection for toeboards (order no. 30510135) is required for installation.
- Linear and corner connectors for toeboards (order no. 30510104 and 30510105) are also required to connect the toeboards.
- Legal warranty.

Material	alu
Length (approx. mm)	3,000
Order no.	30510101



Screw connection for toeboards

- For mounting toeboards on railing posts.

Material	stainless steel
Quantity (pieces)	2
Order no.	30510135



Linear connector for toeboards

- For connecting toeboards lengthwise.
- Including fastening material.

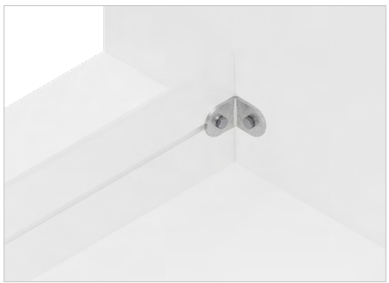
Material	stainless steel/alu
Order no.	30510104



Corner connector for toeboards

- For connecting toeboards in corners.
- Including fastening material.

Material	stainless steel/alu
Order no.	30510105



Wall mounting for toeboards

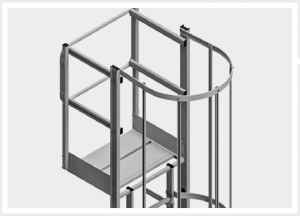
- For fastening the toeboard to the wall.

Material	stainless steel/alu
Order no.	30510113

COMPLETE SOLUTIONS FROM A SINGLE SOURCE

Maximum security and complete access from a single source:

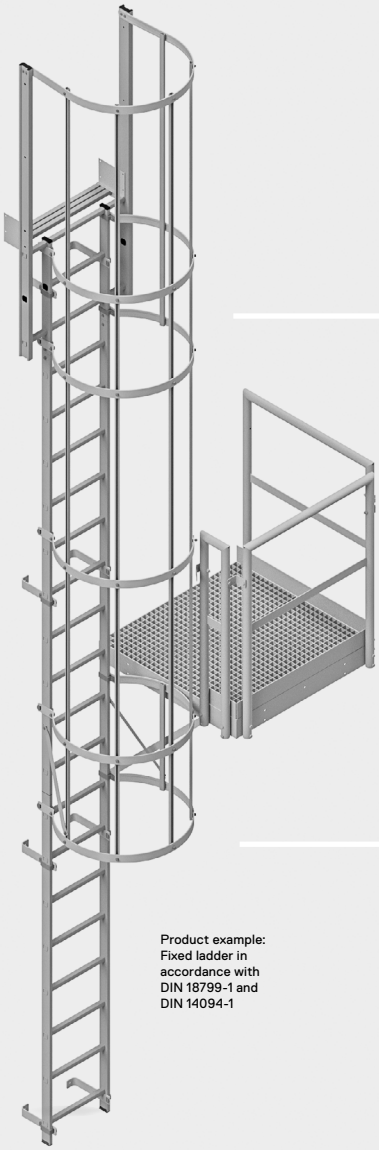
Our steel or aluminium fixed ladders perfectly complement our HYGHTS railing systems. This creates a complete, standard-compliant solution for roof access and fall protection. With our practical configurator, you can also plan your ladder individually – quickly, easily and reliably.



Various exit variants can be selected, such as exit with crossover, step, handrail or access aid.



Simple connections with screw-on ladder connectors.



Product example: Fixed ladder in accordance with DIN 18799-1 and DIN 14094-1

hymer-configurator.com



Quick and easy assembly using C-profiles. Later vertical shifting possible.



Individually selectable access with various locking options.

All our fixed ladders and railing systems are available with high-quality RAL coating on request. This allows the solutions to be visually adapted to your building – for a uniform appearance and professional look.

DIN 18799-1 | DIN 18799-3 | DIN 14094-1 | ISO 14122-4 | 10 YEAR GUARANTEE | ★★★ MADE IN GERMANY

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hymer-access.com

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