

DUTCH DESIGN
HIGH QUALITY



STAR-belay®

Auto Belay | Fall Arrest Descenders



STAR
belay

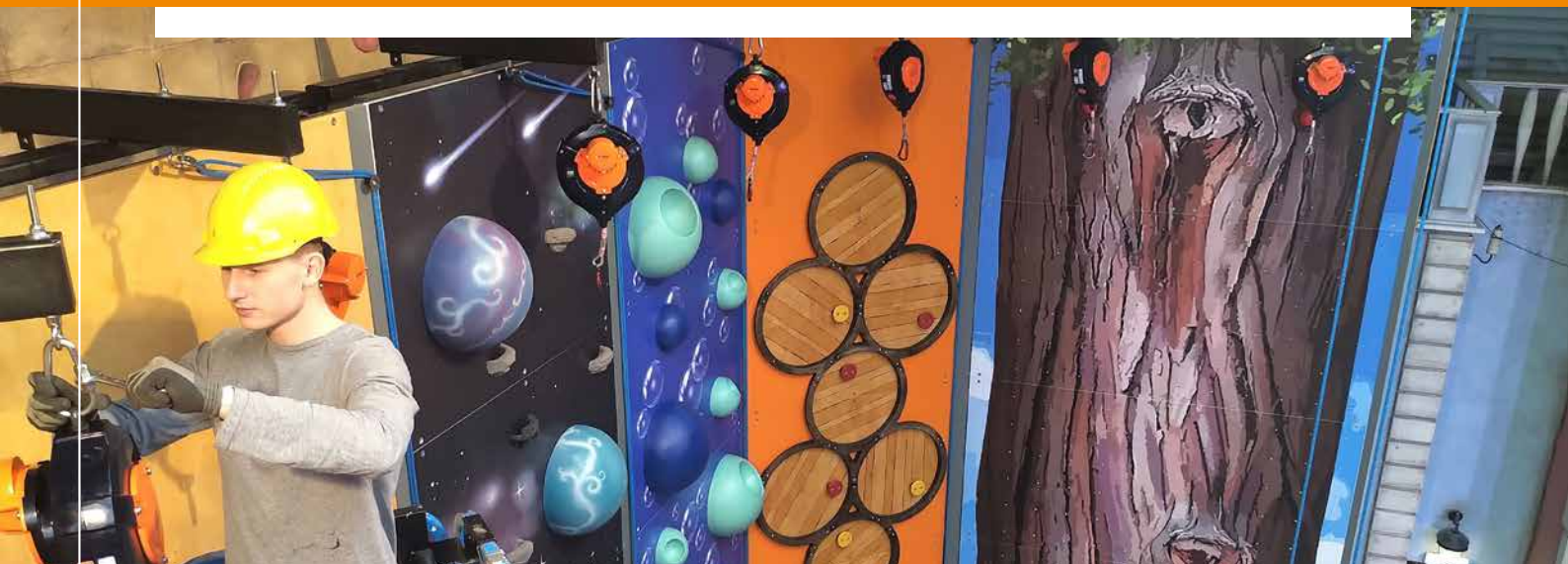


Powering your adventure experiences!





STAR-BELAY®
MAKE CLIMBING SAFE
AND ACCESSIBLE
FOR EVERYONE



About HONOR AdventureTech



HONOR AdventureTech is an internationally oriented Dutch company with over 70 years of in-house safety engineering experience in developing and manufacturing premium safety solutions in partnership with its clients.

Based near Amsterdam, we specialize in advanced safety equipment for the adventure and leisure industry, including our STAR-belay® models auto belay and ZIP-brake® zipline braking systems. Designed for operators who value reliability, riders comfort and operational efficiency, our solutions deliver smooth rider experiences while supporting high throughput and minimizing operational risk.

Our engineering roots go back to 1948, when we started designing optimum safety devices to solve real-world challenges for professional users. Today, we combine this proven safety heritage with modern industrial design and collaboration with adventure park operators, engineers and distributors worldwide.

The result: innovative, low-maintenance and premium devices built for demanding outdoor environments.

All HONOR products are developed and manufactured in-house in the Netherlands using virgin materials and sustainable production methods. HONOR production is certified by Notified Body DEKRA Testing and Certification GmbH according to Module C2 (4) of PPE (EU) Regulation (EU) 2016/425 and our quality management system according to ISO 9001:2015, ensuring consistent quality and full traceability.

Engineered for safety.
Built for performance.
Trusted worldwide.

Enjoy your Safety high-up!



STAR-belay®

A safer and more enjoyable climb

The STAR-belay automatically secures climbers and delivers a smooth, controlled descent — no free-fall, no sudden catch, no shock forces. The self-regulating system resets after every climb, making it suitable for all skill levels and ages.

Whether used in a climbing gym, family park or sport-climbing venue, STAR-belay creates a confident, enjoyable experience that keeps climbers longer and coming back more often. The result? A safe and enjoyable climbing experience that encourages climbers to climb again and again — making climbing accessible for everyone.

Why choose an automatic belay system

Modern climbing environments demand safety, efficiency and accessibility. Systems that rely on partner belaying require training, supervision and introduce human-error risk — especially for beginners.

With an automatic belay:

- Every descent is controlled and consistent
- No belayer or belay training required
- Guests climb independently and confidently
- Staff can focus on support and safety checks

More independence for climbers = more capacity, higher throughput and smoother operations.

How STAR-belay works

The STAR-belay uses a fully mechanical braking mechanism combined with a certified kernmantle rope. As the climber climbs, the rope retracts smoothly without slack. When they let go, the device instantly engages and lowers them at a steady, comfortable speed.

There are no electronics, no power requirements and no reset steps. It is ready for the next climber within seconds — engineered for continuous, all-day operation, indoors or outdoors.

**We've put over 70-years
safety engineering experience
in our STAR-belay devices!**



What makes STAR-belay unique

Where many auto-belays feel abrupt or allow a brief free-fall, STAR-belay provides a calm, predictable and reassuring descent from start to finish. It has extremely low arrest forces, engages immediately and maintains a natural, confidence-building motion. Its unique, reliable kernmantle rope and automatic fall arrest decent brake making the climb safe from first step to landing.

Developed and manufactured in the Netherlands using marine-grade components and PPE-certified production, STAR-belay is built for intensive-use environments. Its unique design with kernmantle rope, intensity of use counter and modular brake contribute to safety, long-term reliability, consistent performance with low total costs of ownership. Both indoor and outdoor.

STAR-BELAY OVERVIEW

- + RESEARCH, DEVELOPMENT AND **MADE IN HOLLAND**
- + FOR **SPORT AND RECREATIONAL** CLIMBING
- + FOR **ADULTS AND CHILDREN**
- + SIMPLE TO **INSTALL** AND **EASY TO RELOCATE**
- + PREMIUM QUALITY **KERNMANTLE ROPE**
- + UNIQUE **INTENSITY OF USE COUNTER** — CLIMBER PREFERENCE
- + **AUTOMATIC SMOOTH DESCENT**
- + **FALL ARREST — LOW FALL ARREST IMPACT** (FORCE) AND **NO FREE FALL DISTANCE**
- + UP TO **20 METER (65.6 FT)** DESCENT HEIGHT
- + **CLIMBERS FRIENDLY**
- + **FASTEST SPEED BELAY** — MINIMUM PULL EFFECT

Built for reliability

- Kernmantle Rope quality life line.
- Intensity of Use Counter offers data-driven insights into climbers preferences.
- Marine-grade materials for long outdoor life.
- Certified production according to Module C2 (4) of PPE (EU) Regulation (EU) 2016/425.
- ISO 9001 certified quality management system.
- Designed for intensive indoor and outdoor use.
- Extended service life and minimum total-cost-of-ownership.
- Developed and manufactured in the Netherlands.

Key specifications at a glance

- Models: CWD9, CWD16, CWD20 SPEED
- Descent height options: 9 m / 16 m / 20 m (29.5 / 52.5 / 65.6 ft)
- Max climber weight: 150 kg (331 lbs)

- Descent speed: approx. 1.0 m/s (max 2.0 m/s to EN341)
- Fast rope retraction (up to 5.0 m/s on SPEED model)
- Always-engaged descent brake — no free fall
- Non-resettable usage counter for compliance tracking
- High-strength EN 1891 Type-A kernmantle rope

A better experience for climbers

Confidence is everything in climbing — especially for children and beginners. With STAR-belay, guests never experience a drop sensation or abrupt catch. The descent feels controlled, gentle and safe, helping climbers relax, try again and build skills progressively.

The result is more enjoyment, more participation and more repeat climbs — the foundation of a great climbing experience and strong customer loyalty.

A better experience for staff & operations

Because climbers do not need a partner or belay instruction, staff can spend their time on safety supervision, coaching and guest interaction instead of rope handling. This leads to smoother operations, higher throughput and reduced staffing pressure. It also shortens the learning curve for new visitors, improves access for large school or group sessions and supports a more efficient, welcoming, beginner-friendly environment.

Protection for your facility & equipment

The controlled descent protects both climbers and facilities. The STAR-belay reduces forces, eliminates shock loads that can damage anchor points or structures. The kernmantle rope sheat protects the core so that the rope's strength remains 100% intact and optimum safety is guaranteed for climbers.

Over time, this results in:

- Kernmantle Rope is what climbers prefer and also means longer service life over other lifeline types!
- Reduced wear and tear on structures & anchor points.
- Extended hardware lifespan.
- Consistent safe and fun performance.

Service, inspection & long-term support

Like all professional safety devices, the STAR-belay requires periodic inspection. The device is designed for long service life, fast maintenance and minimal downtime. Annual examination is performed according to EN 365:2004 either at the HONOR Service Center in the Netherlands or an authorized

Service Center in your region. Each unit is registered within HONOR Service System and after inspection a certificate is provided — a useful document for your safety management records and audits. Our modular Fall Arrest Descent Brake ensures short downtimes, helping you keep your climbing walls in continuous operation.

Certified to the required standards

STAR-belay CWD-type devices are approved in accordance with the following required European law and standards:

- **European PPE Regulation 2016/425**
- **EN 360:2002:** Retractable type fall arresters — Personal protective equipment against falls from a height
- **EN 341:2011/1A:** Automatic descender devices for rescue Class-A (highest classification) — Personal fall protection equipment

Installation

Every climbing environment is unique and STAR-belay is designed to integrate seamlessly into both new and existing walls, towers and structures. Installation is straightforward and supported by clear guidance, ensuring correct mount-

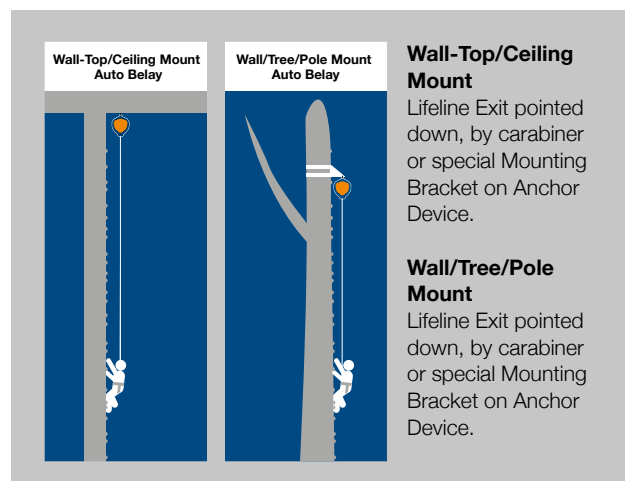


ing height, anchor configuration and operating angles. The unit attaches securely to a strength-calculated and system approved Device Bracket as an anchor device installed overhead and the rope is routed directly to the climbing line, remaining neatly retracted when not in use.

To guarantee full compliance and optimal performance, installation should be carried out by a qualified professional or competent installer familiar with climbing infrastructure. HONOR AdventureTech provides technical support, mounting advice and best-practice instructions to help ensure a safe, reliable setup from day one — whether for a single wall, multi-line gym, or high-volume adventure park.

In short: simple installation, professional guidance and peace of mind knowing it's configured correctly for your facility.

(HONOR AdventureTech joined CEN/TC 136/WG 5 "Mountaineering and climbing equipment" PG8 Autobelay Devices as an active member working on the development of the first international auto belay standard)



CWD9

IDEAL FOR KIDS AND
FUN CLIMBING



STAR®-belay type **CWD9**

Climbing wall descender with **kernmantel rope** up to **9 meter (29.5 ft)** descent height, integrated descent module and counter. Cost effective auto belay especially developed for fun and kids climbing walls.



Specifications CWD9:

- Low testing and inspection costs;
- Descent height: max. 9 m (29.5 ft);
- Capacity: max. climber weight 150 kg (331 lbs);
- Lifeline:
 - Kernmantle rope: 9.5 mm – EN 1891 Type-A;
 - Static strength with HoPress® eyelet >22 kN;
 - Self retracting;
- Modular descent brake,
 - Automatic;
 - Descent speed approx. 1.0 m/s (max. 2.0 m/s to EN341)
 - Always activated descent brake, no free fall distance;
 - Very low fall arrest forces onto body;
- Integrated intensity of use counter, non-resettable;
- Applied materials:
 - Housing & modules: lightweight, Marine-Grade alloys – powder coated;
 - Internal components: SS, Marine-Grade alloys;
- Operating Temperature: min. -10 °C – max. 55 °C
min. 14° F – max. 131° F
- Device Weight: 16.0 kg (35.3 lbs);
- Mounts:
 - Handle Mount (2x handle & 1x connecting eye);
 - Top-Eye (swivel);

Approvals and patents:

European standards: [EN 360:2002](#), [EN 341:2011/1A](#)

US standard: [ANSI / ASSE Z359.4-2007](#) pending

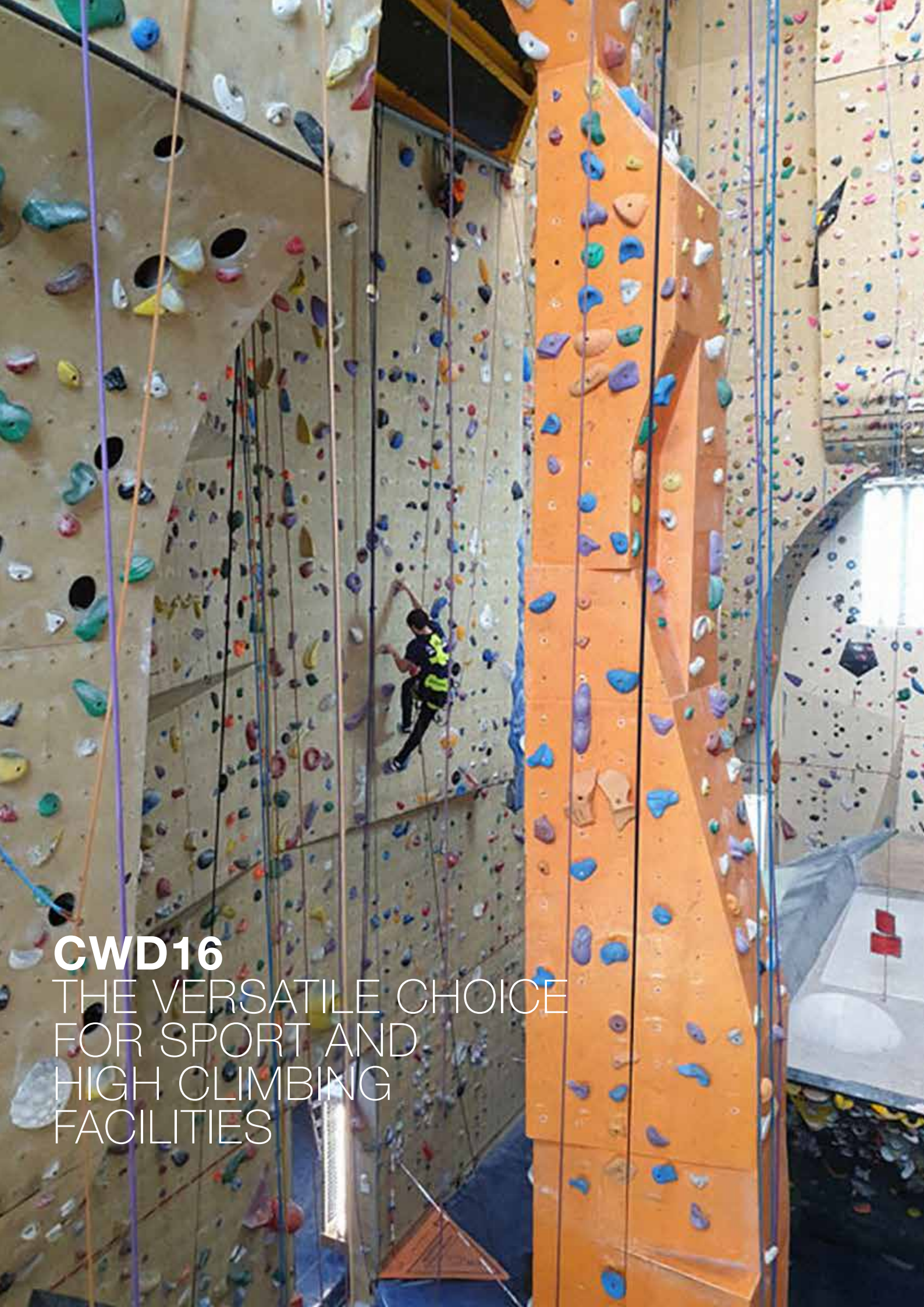
European patent number: [002503698-001](#)

USA patent number: [23-0825-0576900](#)

Art.no: R013.015.100 – CWD9 (Handle Mount)

Art.no: R013.015.000 – CWD9 (Top-Eye)



A large indoor climbing wall made of light-colored wood panels, densely covered with colorful climbing holds. A climber in a black and yellow shirt is visible on the left side of the wall. To the right, there is a prominent orange vertical structure also covered in holds. The background shows more climbing routes and a white padded landing area.

CWD16

THE VERSATILE CHOICE
FOR SPORT AND
HIGH CLIMBING
FACILITIES

STAR®-belay type CWD16

Auto descending belay with **kernmantel rope**, maximum **16 meter (52.5 ft)** descent height, integrated descent module and counter. The perfect auto belay for sport and recreational climbing.



Specifications CWD16:

- Low testing and inspection costs;
- Descent height: max. 16 m (52.5 ft);
- Capacity: max. climber weight 150 kg (331 lbs);
- Lifeline:
 - Kernmantle rope: 9.5 mm – EN 1891 Type-A;
 - Static strength with HoPress® eyelet >22 kN;
 - Self retracting;
- Modular descent brake,
 - Automatic;
 - Descent speed approx. 1.0 m/s (max. 2.0 m/s to EN341)
 - Always activated descent brake, no free fall distance;
 - Very low fall arrest forces onto body;
- Integrated intensity of use counter, non-resettable;
- Applied materials:
 - Housing & modules: lightweight, Marine-Grade alloys – powder coated;
 - Internal components: SS, Marine-Grade alloys;
- Operating Temperature: min. -4 °C – max. 55 °C
min. 24.8° F – max. 130° F
- Device Weight: 17.7 kg (39 lbs);
- Mounts:
 - Handle Mount (2x handle & 1x connecting eye);
 - Top-Eye (swivel);

Approvals and patents:

European standards: [EN 360:2002](#), [EN 341:2011/1A](#)

US standard: [ANSI / ASSE Z359.4-2007](#) pending

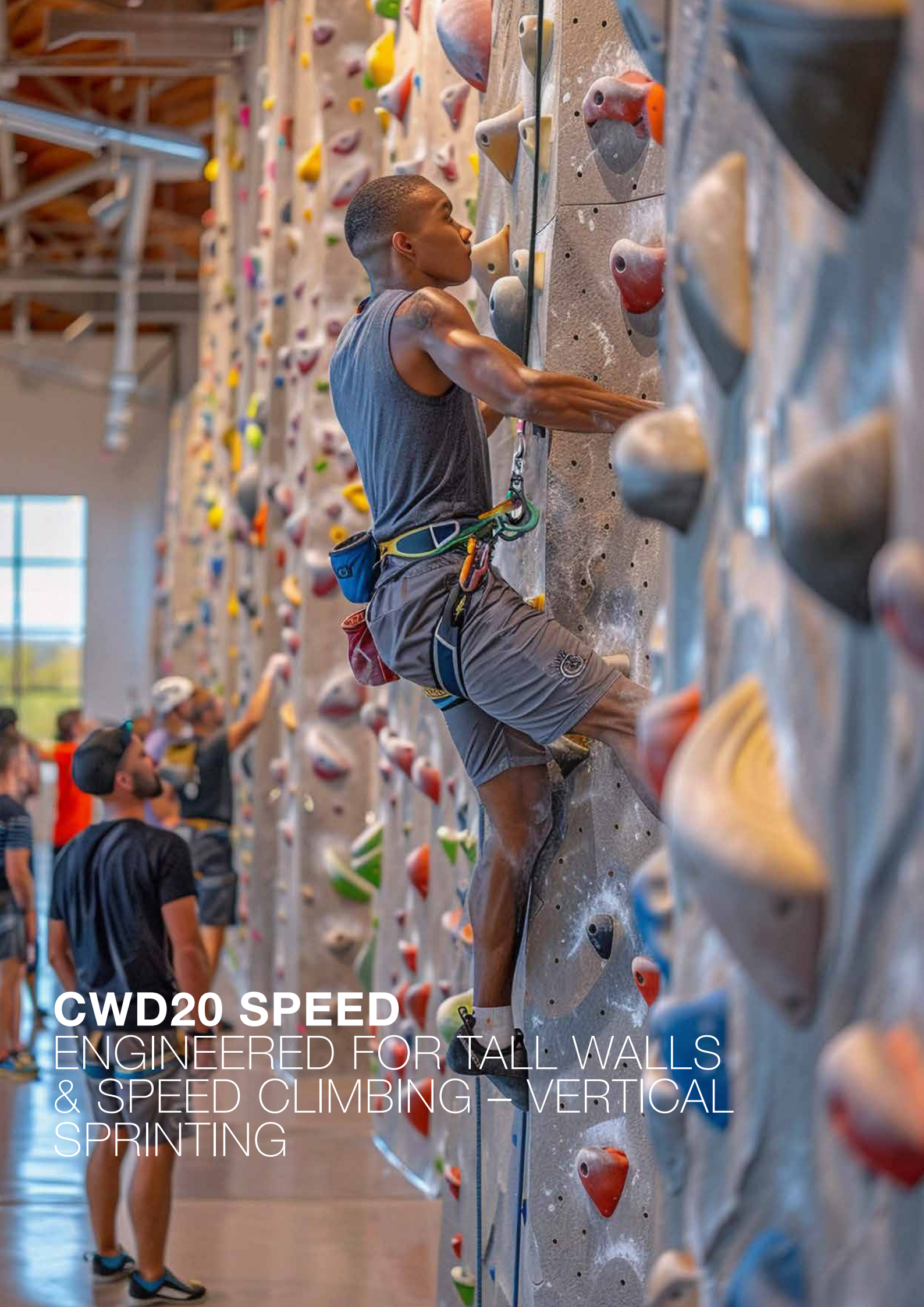
European patent number: [002503698-001](#)

USA patent number: [23-0825-0576900](#)

Art.no: R013.022.100 – CWD16 (Handle Mount)

Art.no: R013.022.000 – CWD16 (Top-Eye)





CWD20 SPEED

ENGINEERED FOR TALL WALLS
& SPEED CLIMBING – VERTICAL
SPRINTING

STAR®-belay type CWD20 SPEED

SPEED auto belay with **kernmantel rope** for routes up to **20 meter (65.6 ft)** descent height, integrated descent module and counter. The fastest retracting (Olympic) sport climbing auto belay!



Specifications CWD20 SPEED:

- Retraction speed: approx. 5.0 m/s (16.4 ft/s);
- Low testing and inspection costs;
- Descent height: max. 20 m (65.6 ft);
- Capacity: max. climber weight 150 kg (331 lbs);
- Lifeline:
 - Kernmantle rope: 9.5 mm – EN 1891 Type-A;
 - Static strength with HoPress® eyelet >22 kN;
 - Self retracting;
- Modular descent brake,
 - Automatic;
 - Descent speed approx. 1.0 m/s (max. 2.0 m/s to EN341)
 - Always activated descent brake, no free fall distance;
 - Very low fall arrest forces onto body;
- Integrated intensity of use counter, non-resettable;
- Applied materials:
 - Housing & modules: lightweight, Marine-Grade alloys – powder coated;
 - Internal components: SS, Marine-Grade alloys;
- Operating Temperature: min. -4 °C – max. 55 °C
min. 24.8° F – max. 130° F
- Device Weight: 23 kg (50 lbs);
- Mounts:
 - Handle Mount (2x handle & 1x connecting eye);
 - Top-Eye (swivel);

Approvals and patents:

European standards: [EN 360:2002](#), [EN 341:2011/1A](#)

US standard: [ANSI / ASSE Z359.4-2007](#) pending

European patent number: [002503698-001](#)

USA patent number: [23-0825-0576900](#)

Art.no: R013.025.100 – CWD20 SPEED (Handle Mount)

Art.no: R013.025.000 – CWD20 SPEED (Top-Eye)



STAR®-belay Accessories



Sidewinder Swivel Hook

Captive eye connector

Art.no: R024.001.035
Sidewinder Swivel Hook



Universal mount (wall, tree, pole)

Auto Belay Anchor device

Art.no: R010.210.039
Universel mount



Device Bracket

Auto Belay Mounting bracket

Art.no: R010.210.032
Device Bracket (Top-Eye)
Art.no: R010.210.033
Device Bracket (Handle Mount)

Belay Gate

SO YOU WON'T
FORGET TO CLIP-IN!

Art.no: R010.210.050B
Belay Gate



Dimensions:
(HxW) 150 x 100 cm
(HxW) 59.1 x 39.4 inch

READY FOR A CONFIDENT START?

LET'S DISCUSS YOUR AUTO BELAY
SETUP. WE'RE HERE TO HELP YOU
MAKE THE BEST DECISIONS
FOR YOUR LOCATION.

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HONOR AdventureTech
Safety engineered, adventure delivered.



YOUR DISTRIBUTOR



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