

SAFETY'S FIRST.

The world's first
friction adjustable
fall reduction system.
Hello safer gyms.





What is BelaySAFE

BelaySAFE is a friction adjustable fall reduction system designed to minimize the risk of human error in belaying. Safety is paramount in climbing gyms. But with poorly trained or inattentive belayers, falls and injuries can happen. This is where BelaySAFE comes in.

BelaySAFE's revolutionary anchor system makes use of friction to ensure a slow and controlled descent of the climber, in the event of a belaying error or top-rope fall. This also buys time for the belayer to react.

Belayers of all ages can look forward to a more enjoyable experience with the aid of BelaySAFE. The device disperses the climber's weight at the anchor point, thereby allowing a relatively lighter belayer to belay a heavier climber without the use of weight bags.



✓ CE and UIAA certified

✓ PCT patented in 152 countries

“BelaySAFE is thoughtfully designed to minimize the risk of human error in belaying. Once anchored and calibrated, BelaySAFE makes it easy for anyone to start belaying safely and confidently. There is no need to handle the device or spend hours to master belaying techniques. For first-timers, a 10-minute introduction to BelaySAFE would be beneficial.”

Halil Ngah

Inventor, and Founder of Climb Asia



Multiple Fail-safes

Has 4 sprag clutches to lock up the pulleys. Even with one functioning clutch, the braking force remains at 50%.



Friction Adjustable

Recommended for 10-11mm diameter dynamic single ropes. A quick and simple calibration is all you need to get started.



Cost Saving

Pays for itself by doubling the useful life of your ropes. The pulley system reduces shear forces on the rope.



Tried, Tested & Proven

With over 1,000,000 hours of real-world usage in climbing gyms across Singapore, Thailand and the Philippines.



CE and UIAA Certified

With strict compliance to EN 15151-2 and UIAA 129 standards for belay devices.



Patent Pending in USA

International PCT patent protection in 152 countries.



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Built for Safety

BelaySAFE helps everyone climb safe and belay safer. It is a game changer for gym owners and climbers alike. Developed by a gym owner for climbing gyms worldwide.

Sturdy & Durable Frame

4mm thick powder-coated steel plates help the device stand up to rigorous and repeated use over time



Easy to Install

Single installation point accommodates different types of anchor points in climbing gyms

Also compatible with the traditional anchor points of older gyms

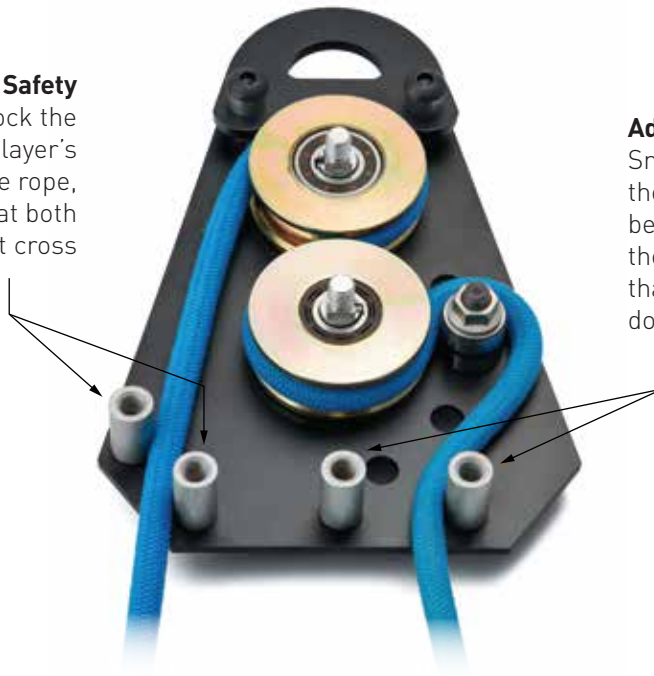
Friction Adjustable

The adjustable pulley wheel has four positions for the user to fine-tune the desired level of friction

The higher the position of the adjustable pulley wheel, the greater the assisted-braking forces generated to aid the belayer

Additional Safety

Smooth pins lock the climber's and belayer's ends of the rope, ensuring that both ends do not cross



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Using BelaySAFE

BelaySAFE has 2 modes of usage – Active and Passive. Once anchored and calibrated, BelaySAFE makes it easy for anyone to start belaying safely and confidently. In the event of a belayer error, BelaySAFE slows down the rate of descent to lower the risk of injury to the climber.

Active Mode

As a primary belay device in a top rope system. The active mode is great for first-time belayers who do not have to wear a harness or spend hours learning the correct belaying technique.

- 1 BelaySAFE is mounted to an anchor point atop the climbing wall. The rope goes through BelaySAFE instead of the regular anchor point or belay bar.
- 2 One end of the rope is tethered to the climber – the same as a regular top-rope setup.
- 3 The other end of the rope passes through another secondary belay device mounted to a floor anchor (installed as per EN 12572).
- 4 The rope is kept tight by the belayer pulling it through the floor-mounted belay device.

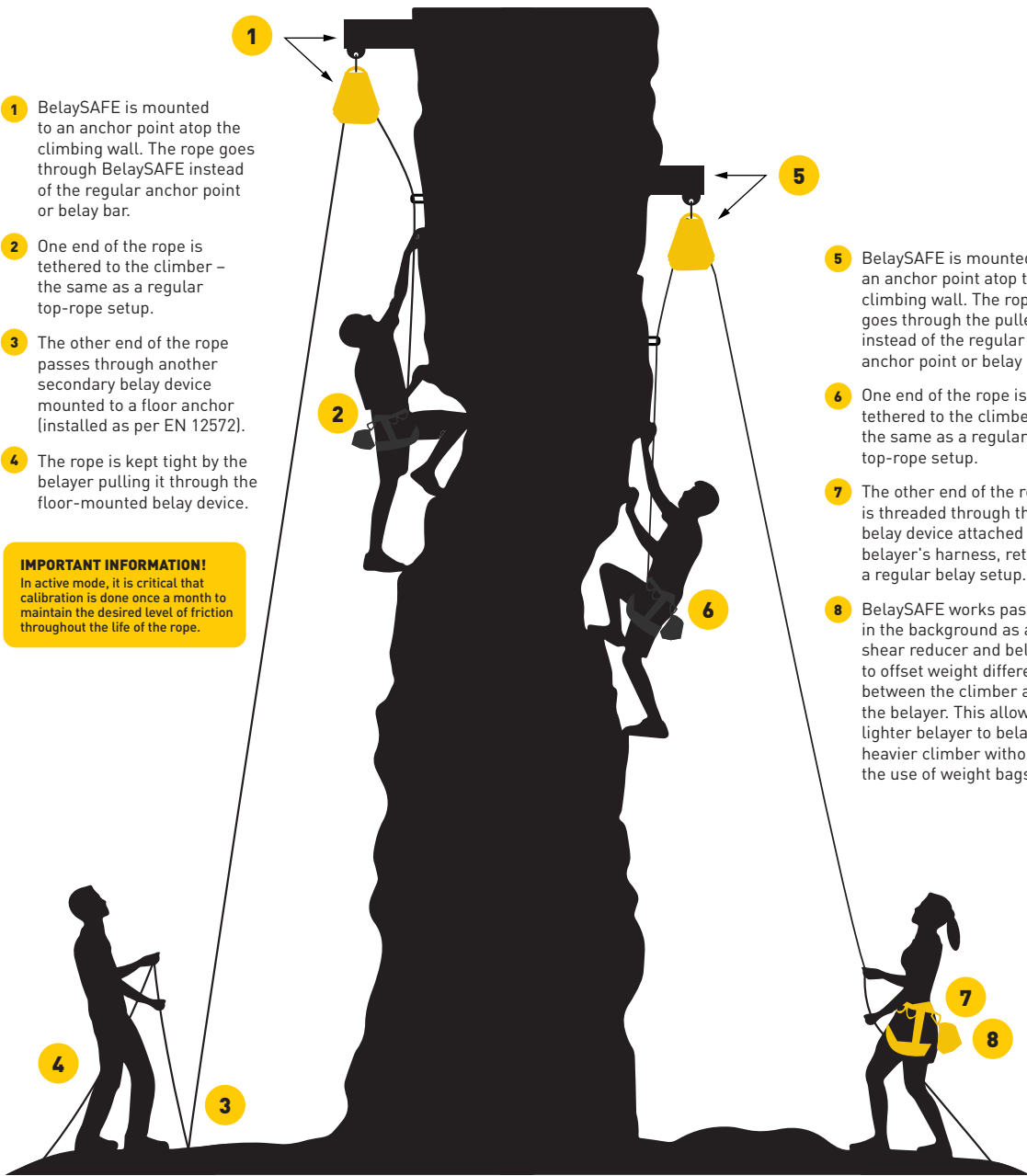
IMPORTANT INFORMATION!

In active mode, it is critical that calibration is done once a month to maintain the desired level of friction throughout the life of the rope.

Passive Mode

As a secondary fail-safe device when paired with a regular belay device. The passive mode protects the climber from belaying errors made by inexperienced or inattentive belayers.

- 5 BelaySAFE is mounted to an anchor point atop the climbing wall. The rope goes through the pulleys instead of the regular anchor point or belay bar.
- 6 One end of the rope is tethered to the climber – the same as a regular top-rope setup.
- 7 The other end of the rope is threaded through the belay device attached to the belayer's harness, retaining a regular belay setup.
- 8 BelaySAFE works passively in the background as a shear reducer and belay aid to offset weight differences between the climber and the belayer. This allows the lighter belayer to belay a heavier climber without the use of weight bags.



Safety Standards

BelaySAFE has been engineered and tested to meet EN 15151-2 and UIAA 129 standards for belay devices. It is currently patent pending in the USA, with International PCT patent protection in 152 countries.



“As a gym owner, safety is my utmost concern. But even with precautions in place, accidents do happen. The risks grow with fatigue, distractions, and new climbers who may lack safety knowledge and belaying experience. That inspired me to explore new ways to create a safer climbing experience. BelaySAFE became the answer. It allows for a controlled descent of the climber, even in the event of total belayer error. Whether your climbers are old, young or new to the sport, they too can enjoy the climb knowing that their safety is assured with BelaySAFE.”

Halil Ngah

Inventor, and Founder of Climb Asia

Manufacturer's Details

Climb Asia Pte Ltd
The Frontier
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Singapore 408867



climb-asia.com

Technical Specifications

Size	Device Weight	Housing Material	Pulleys	Collars and Spacers	Bolts and Connectors
250mm (height) 180mm (width) 50mm (thickness)	3.1kg	4mm thick powder-coated steel	Steel, yellow zinc-plated	Aluminum alloy	High tensile steel

Recommended Use

Top Rope Height	Rope Diameter	Rope Type	Climber's Weight
5-15m	10-11mm dynamic UIAA-rated single rope	Zero slippage	16 to 140kg



For more information, email us at enquire@belaysafe.com

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