



Configured to suit your workplace perfectly

Don't be constrained by a catalogue. Your building, your tasks and your maintenance regime dictate the Defender Rail specification. Engineered to follow your chosen path and an array of intersections and switching points, Defender Rail is endlessly flexible.

Design by Australia's most highly credentialed fall prevention experts

Talk to Defender™ about designing a Defender Rail system tailor-made for your application.

Defender™ is a market leader in height safety, with:

- Australian Made and Owned
- tested in a NATA™-accredited facility
- independently certified to Australian Standard AS/NZS 4801, the benchmark for full compliance to WHS/OH&S regulations
- an ISO 9001 certified design quality system
- independently certified by globally recognised 3rd party certification bodies
- Australia-wide distribution reach.

Defender's in-house team of professionals comprises architects, engineers, OH&S professionals, mechanical draftsmen, builders, fabricators, electricians and carpenters for a design that is both well thought-out and eminently buildable.

FASTER. SAFER. **DEFENDER™** RAIL

Other **DEFENDER** safety products in the series:



Comparison Guides



Product Flyers



Specification Brochures

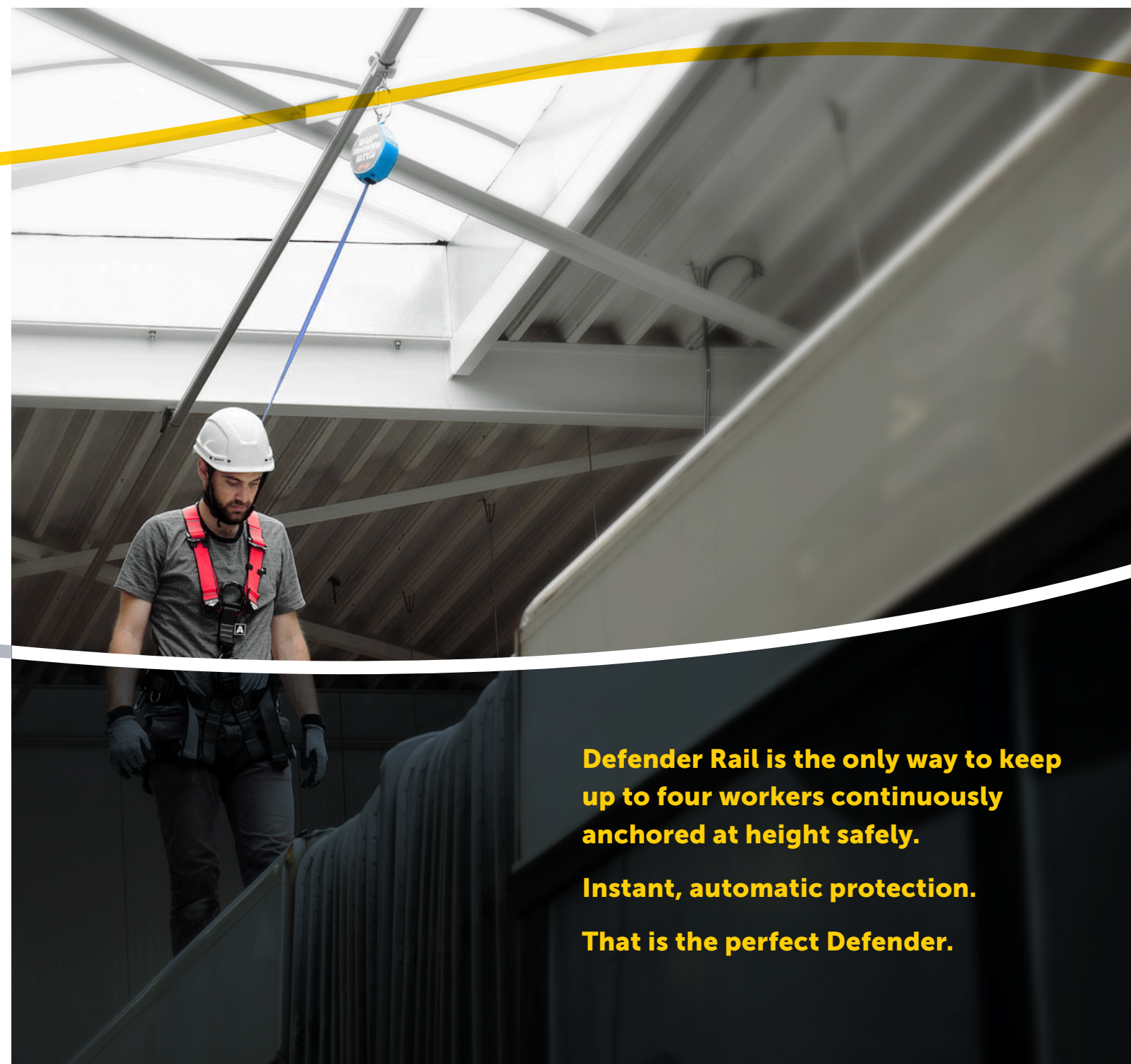
Get it done right, first time, for less. Defender equipment and installation is extraordinarily cost-effective. Why? Because smart design shouldn't cost extra.

CALL US TODAY ON 1300 013 794 TO ARRANGE A VISIT FROM A CERTIFIED DEFENDER™ CONSULTANT



To order, receive a quote, or for more information contact us today at:
enquiries@workplacedefender.com.au
 or call 1300 013 794
www.workplacedefender.com.au

Certified Defender™ Installer:
workplace access&safety®
 the fall prevention specialists
 Telephone 1300 552 984
www.workplaceaccess.com.au



Defender Rail is the only way to keep up to four workers continuously anchored at height safely.

Instant, automatic protection.

That is the perfect Defender.



Whether you need to scale a high-rise façade or walk across the top of a truck, Defender™ Rail is the secure, hands-free solution.

Secure, seamless, effortless safety

Safety is seamless with Defender Rail. Customised for the unique shape of your buildings, it can climb, bend and intersect to suit even the most architecturally adventurous façades.

Without all the stops to unhook and hook on again, there's less risk of human error and less time spent at height. The simplicity of a rail also keeps workers on the intended route without confusing anchor layouts or the need to down tools.

Use it overhead or at your feet for façade maintenance and window cleaning or safe work at heights over vehicles or industrial machinery.

In the event of a fall, Defender Rail again outperforms the alternatives. Unlike steel rope static lines, which can deflect by as much as a metre in the event of a fall, Defender Rail's rigid rail does not yield. The shorter fall distances and lower deceleration forces add up to fewer and less severe injuries. Especially where clearances are tight – whether on a machine or mezzanine – and every centimeter counts.

Figure 1 Section of rail
Anodized Aluminium Alloy 6060 T6

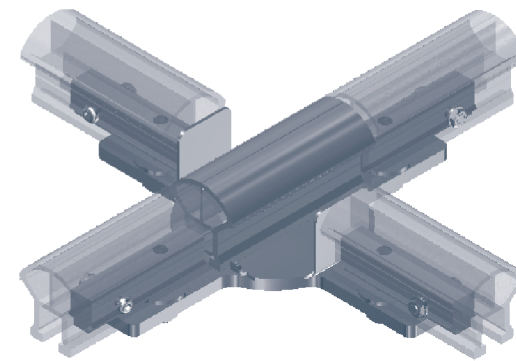
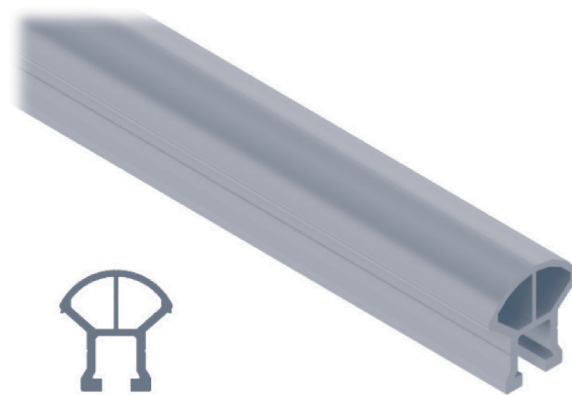


Figure 2 Rail Switch

Changing direction is a turn of the wrist away. Move the Granvia into the centre of the turn-table and turn your wrist to towards the chosen direction.

Tested and proven for fall arrest loads

Defender Rail is not an I-beam for good reason.

Defender Rail is tested and rated for fall arrest loads, whereas a building's I-beams are not.

Unlike an I beam's flanges, which collect contamination, corrosion and dirt, Defender Rail's protected surface naturally remains clean, so the traveller will continue to glide smoothly and easily for years to come.

Because the system is only as good as its foundations, your accredited Defender installer verifies the building structure supporting Defender Rail can adequately support fall arrest loads during the design phase.

Pragmatic and cost-effective

Great design shouldn't cost extra. In fact, for rapid, cost-effective installation with fewer penetrations, Defender Rail's engineering delivers 6-metre spans between brackets.

Don't be fooled by Defender Rail's lightweight construction, either. The system maintains its integrity in the event of a fall so only the affected section of rail needs to be replaced, returning your site to full operation in no time.



A traveller that's always ready to catch you

The Defender Rail traveller connecting your lanyard to the rail glides so smoothly, you could almost forget it was there. The rollers are made of stainless steel and coated with an elastomer.

You shouldn't have to think about safety. Nobody has time to activate a manual brake as they fall. We also know you need protection all the way up and down an incline, not merely while you're at your destination. That's why the absolutely dependable, totally automatic Defender Rail braking system is always ready to catch you. And if it does arrest a fall, Defender's unique claw-like design ensures the traveller simply cannot escape the rail. Nothing is left to chance.

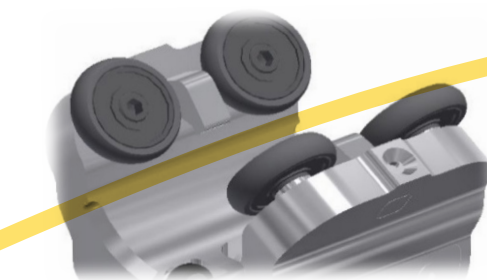
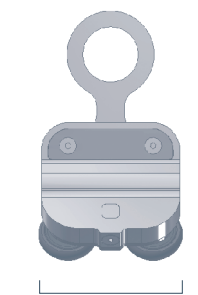
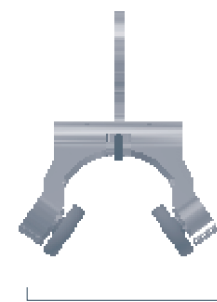
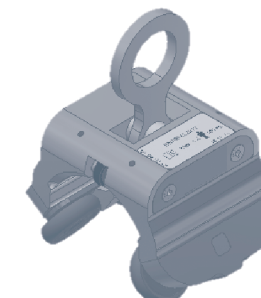
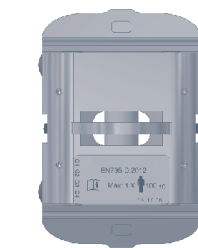


Figure 3 Granvia Trolley

The GRANVIA for Defender Rail is made of aluminum alloy. One trolley three configurations. The Granvia trolley be used in 3 configurations ground, wall or ceiling.



110.5mm

97.4mm

65mm

Figure 4 Granvia Trolley

Anti-derailment claws mounted between the rollers prevent the trolley from escaping from the rail in the event of a fall.

Technical Specifications	
Applications:	Fall arrest, fall restraint, abseil and works in suspension.
Configurations:	Horizontal, inclined, vertical, ceiling and wall.
Number of users:	4 users max. 2 users between two adjacent brackets at any one time.
Fixing structure:	Steel / Metal / Timber / Concrete / Tiled Roof / Slate
Rail:	Anodized Aluminium Alloy 6060 T6 1.7kg/m
Distance between brackets:	6 meters
Maximal Slope:	15
Deflection:	30cm Low deflection makes Defender Rail suitable when clearances are low.
Force applied to structure in the event of a fall:	7kN

