



SEAQUEST
MARINE SYSTEMS
Smart Solutions. Proven Reliability.

KAG
Safety Rail

PRODUCT FACT SHEET



www.seaquestmarine.com.sg



Raising the bar

Using breakthrough technology and ingenious design, the KAG Safety Rail is simply your smartest step in safety.

With its unique swage design, it contours to the shape of a closed hand to dramatically reduce the risk of 'slip and fall' injuries. Unlike smooth rails that become slippery when wet, the KAG Rail provides real grip – whether it's dry, wet or greasy.

Our innovative technology transforms a conventional round tube into the uniquely contoured KAG Safety Rail. This changes its shape so it 'fits' any-sized hand to provide a new standard in grip and confidence.



Practical & Clever

Proven results in any conditions

- ▶ Independently tested by the Queensland University of Technology.
- ▶ Proven to increase grip by up to 80% in wet, up to 160% in dry and up to 300% in oily conditions compared to standard 'smooth' handrails.
- ▶ Demonstrated performance for real customers.

Versatility

- ▶ Wide range of sizes and materials, including stainless steel, aluminium, brass and copper.
- ▶ Designed to fit any hand size and available in left or right-handed configurations.
- ▶ Custom fabrication available.

Quality and durability

- ▶ Built to withstand tough conditions and demanding use.
- ▶ Australian-designed, premium materials, rigorous quality control and testing.
- ▶ Rust resistant.

Simplicity and style

- ▶ Easy to install, modern and stylish.
- ▶ Meets or exceeds all relevant regulations.
- ▶ Readily available and efficient turnaround.

Clean and hygienic rail

- ▶ Easy to clean, helping prevent the spread of bacteria.
- ▶ Meets infection control standards for health and aged-care facilities.
- ▶ Examined by infectious control at Redland Bay hospital, achieving a 5-star rating for cleanability.

Sustainability

- ▶ Low VOC and 100% recyclable.



More than a shining light in safety

The KAG Safety Rail is also available with smart value-added features such as fibre-optic end point lighting for low-lit or underground areas, and 24-hour operations.

Providing increased visibility for night staff, the in-built rail lighting also offers improved protection from 'no go' zones and added directions through different coloured lighting.

Lower power bills and a reduced carbon footprint are achieved with the KAG Safety Rail's innovative and efficient design.



Life-giving and life-saving

- ▶ Maximises hand grip on ladders, work platforms, stairs, grab rails, balustrading and walkways in all conditions.
- ▶ Minimises slips, accidents, injuries and strains.
- ▶ Provides reliable and critical assistance in emergency situations.
- ▶ Offers stability and support for the aged and frail, including shower rails, toilet rails, handicap rails, and bed rails.
- ▶ Improves everyday stability and sudden safety support for passengers on public transport and ships.
- ▶ Enhances safety on barriers, gantries, catwalks and platforms to help prevent falls from heights on worksites and offers grip for underground ladderways.
- ▶ Assists climbing into heavy machinery and vehicles.



Technical Specifications

At Acusafe, we know that every environment and purpose is different – so the KAG Safety Rail is easily adapted to suit your needs.

- ▶ Sizing From 19mm up to 50mm diameter tube.
- ▶ Swage pattern can start and stop at any point along the grab rail – allowing for standard fittings, tees, elbows, end caps and bends.
- ▶ Materials can be processed in left or right-hand configurations.
- ▶ Three different radii and three different helix angles available.
- ▶ Fibre-optic lighting is available to illuminate areas below the rail.
- ▶ Available in a wide range of materials, sizes and wall thicknesses – stainless steel, aluminium, steel, brass and copper.
- ▶ Compliance standards: AS 1428.1-2009

Materials	Details
Stainless Steel	304. 316. 409 in standard #320 or #600 mirror finishes – can be produced up to 4mm thick
Aluminium	All grades – some grades can be anodised (clear or coloured)
Steel	Mild; zinc plated; galvanised (can be powder coated)
Brass and Copper	Can be polished to mirror

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