



SERIES 32 I-TRACK

WORK BOAT SAFETY RAIL SYSTEMS



INCREASED PROTECTION & CREW SAFETY

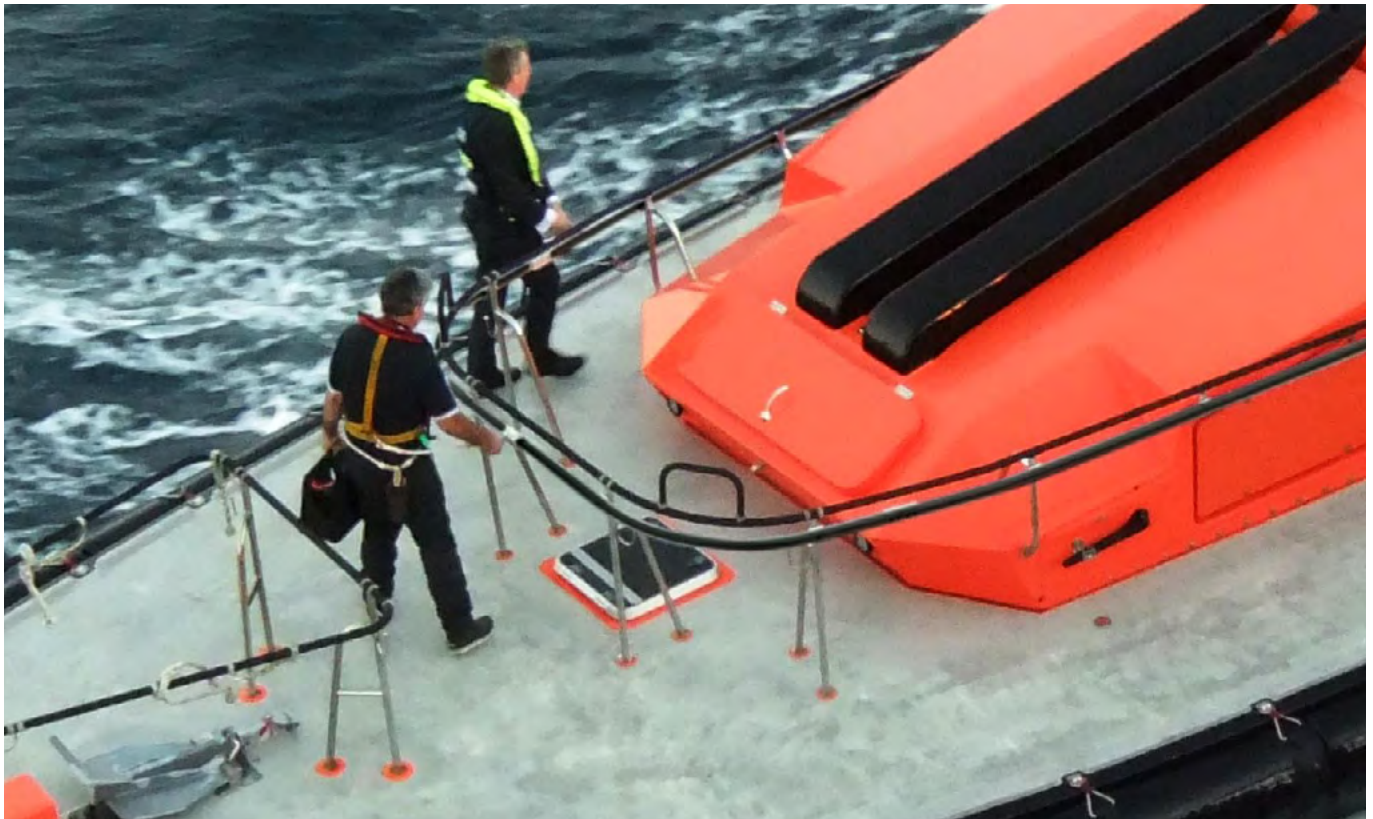


Photo © Wazza Sunderland

The Ronstan Series 32 I-Track Safety Rail System is designed to provide protection and safety for crew on commercial work boats when working on deck or outside the safety of the vessel's cabin.

The system has been tried and proven on many commercial vessels including but not limited to pilot boats, fire and rescue boats, police and military patrol boats and commercial fishing boats.

The safety rail system provides a method of attachment for use in conjunction with personal fall protection equipment to protect crew against falls and overboard situations and allows freedom to move about the workboat uninhibited and with ease in any sea conditions.

Thoroughly tested at the factory and in the field, Ronstan's Series 32 I-Track Safety Rail System meets the requirements of the Australian National Standards for Commercial Vessels (NSCV), Part C, Section 1, 6.17.3 (Pilot Launch – Equipment) and 6.12.7.5.6 (Clipping point strength).

Ideal for use on any vessel where the crew requires high levels of mobility to operate freely on deck, under all conditions.

MODULAR SYSTEM FOR EASE OF SPECIFICATION AND INSTALLATION

To achieve greater economy with the flexibility to adapt, we have created a modular system of standard components that make it easy to design, specify and install these systems to a wide range of commercial vessels.

For designers and builders, 2D drawings are available to assist and ensure it's a Ronstan safety rail system that you next specify. Customised track rails are available for vessels where standard track rail corners are not suitable.

MOUNTING OPTIONS FOR TRACK RAILS

Series 32 I-Track track rails can mount directly to the vessel handrails, to a separate substrate, or a series of supports. Due to the track rail's rigid profile it is possible to mount the track unsupported up to a maximum span of 1500mm (59 1/16"). Each span must be supported by a minimum of two fasteners at 100mm (3 15/16") centres, at each end, in combination with a joiner and a bracket or splice plate for maximum rigidity.

The system must be mounted such that the cars travel along the track rail in a horizontal plane (i.e. parallel to the water plane), within a tolerance of $\pm 5^\circ$. Exceptions may be made where necessary to maintain track position relative to the user in case of deck slope or camber. The track rail is ideally mounted with its fastenings perpendicular to the water plane as shown in the diagram below.



Talk to your Ronstan representative about the best solution for you.

SYSTEM FEATURES

- Track rails, rigid profile, marine grade aluminium (AL6061-T6), black anodised to 25 μ m.
- Track rails available in standard straight and curved lengths easily adapted to suit many workboat deck plans.
- 90-degree corner, 500mm radius bend can be trimmed to adapt to the required angle. These are primarily used for corners found at the front of the cabin.
- 90-degree corner, 125mm radius bend. These tight radius corners are excellent for applications where space on the side deck is limited or where track rails need to traverse around sharp corners.
- 15-degree track rail deflection lengths. These can be used where angle changes occur along the cabin side.
- Cars have strong grade 316 stainless steel bodies with flared sides and angled stainless steel bearing wheels to provide high load capacity, smooth operation, and require minimal maintenance.
- Cars are available in free running and plunger lock configurations with large lanyard take off points for easy attachment.

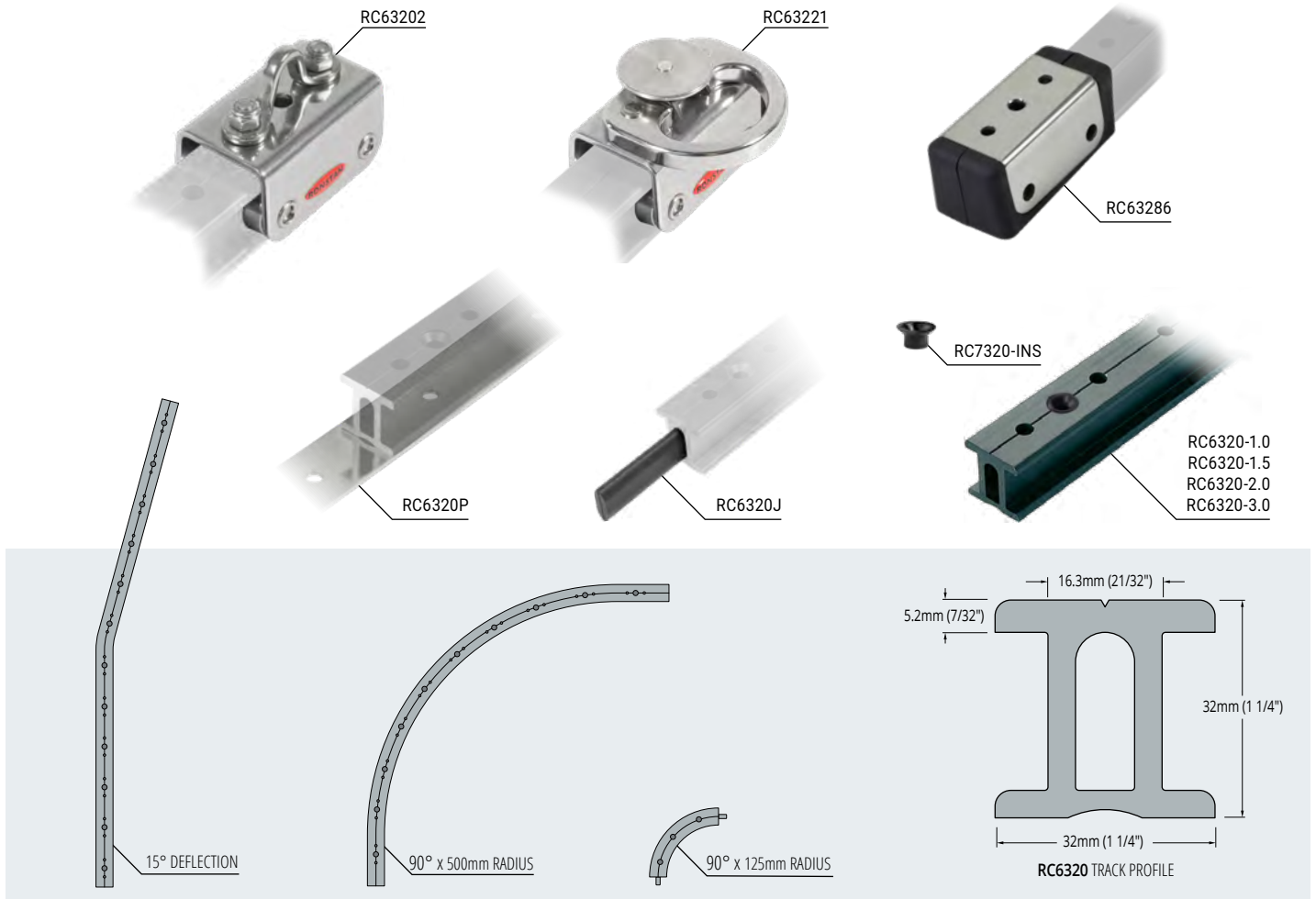
Full installation, usage and maintenance details available under the SUPPORT tab at www.ronstan.com.



Photo © Hans Fairhurst

WORK BOAT SAFETY RAIL SYSTEMS

SERIES 32 I-TRACK



- ✔ Strong stainless steel bodies.
- ✔ Flared sides and angled ball bearing wheels provide high load capacity and smooth operation.
- ✔ Please see ronstan.com for custom track bending.

- ✔ Meets the requirements of the Australian National Standards for Commercial Vessels (NSCV), Part C, Section 1, 6.17.3 (Pilot Launch – Equipment) and 6.12.7.5.6 (Clipping point strength).

- ✔ Commercial work boats and pilot boats.
- ✔ Grade 316 stainless steel car bodies, wheels, bearing races, and fixtures.
- ✔ Grade AL6061-T6 aluminium alloy track.

TRACK FASTENINGS – M6 (1/4") countersunk fasteners at 100mm (3 15/16") centres. Unsupported fastening span no greater than 1500mm (59 1/16"). Each span or join must be supported by a minimum of two fastenings at each end at a maximum of 100mm (3 15/16") centres.

Grade 316 stainless steel fasteners with a nominal minimum strength of 700MPa (101ksi), installed at a torque setting of no more than 7.1Nm (5.2 ft lbf) as per industry standards.

Strength of substrate, backing plates, brackets must be designed to support a minimum 600kg (1320lb) ultimate static load.

STOP HOLES – 50mm (2") centres.

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PRODUCT No.	DESCRIPTION	LENGTH	WEIGHT	LENGTH	WEIGHT
		mm	g	in	oz
Series 32 I-Track Safety Rail					
RC63202	Car, saddle top	76	320	3	11.3
RC63221	Car, single attachment point, plunger stop	76	461	3	16.3
RC63286	End stop, rubber buffer	98	260	3 7/8	9.2
Track – Supplied with RC7320-INS nylon track bolt insulators					
RC6320-1.0*	Track, 996mm (39 3/16"), black	996	1210	39 3/16	42.8
RC6320-1.5*	Track, 1496mm (58 7/8"), black	1496	1810	58 7/8	64.0
RC6320-2.0*	Track, 1996mm (78 9/16"), black	1996	2410	78 9/16	85.2
RC6320-3.0*	Track, 2996mm (117 15/16"), black	2996	3620	117 15/16	127.9
RC6320R125A	Track, 293mm (11 9/16"), black, 90° x 125mm radius, horizontal A-bend	293	444	11 9/16	15.7
RC6320R500A*	Track, 1196mm (47 1/16"), black, 90° x 500mm radius, horizontal A-bend	1196	1470	47 1/16	51.8
RC6320R515A*	Track, 1996mm (78 9/16"), black, 15° deflection, horizontal A-bend	1996	2410	78 9/16	85.2
RC6320P	Track splice plate, stainless steel	340	255	13 3/8	9.0
RC6320J	Track joiner	90	14	3 9/16	0.5
RC7320-INS	Track bolt insulator	-	3	-	0.1

*For standard length track rails, as delivered from the manufacturer, the centre of the last mounting hole at each end of the track rail is located at 48mm (1 29/32") from the end, and the distance between fasteners across a track join will be 96mm (3 25/32"). The distance between the two fasteners at the end of each track rail, whether across a join or at an end, must never exceed 100mm (3 15/16").