



Section B4 Goosenecks, Sail Entries

B4.1 Goosenecks

These high quality stainless steel goosenecks suit the Allyacht Spars range of mast sections. Cast or fabricated in stainless steel, they are robust, corrosion resistant, and consistent in tolerance. All standard goosenecks comprise a mast plate, a knuckle, a T-bar which provides the reefing horns, and a captive tack shackle. They are made for easy assembly and disassembly.


Variations

- Reinforcement** Reinforcement of the gooseneck is necessary for boats which generate high loads on the boom. This includes racing monohulls utilising high boom vang pressure, most severe when reaching, and multihulls with rotating masts. Reinforcement consists of plates welded on to either side of the gooseneck mast plate, spreading the boom forces over a wider area of the mast.
- AYS235 & AYS250** The mast plate to suit these masts is wider than normal, to fit the wide aft surface of these mast sections. The resulting extra stability does away with the need for reinforcement.
- Modified knuckle** This involves resizing the hole in the gooseneck knuckle, which may be necessary to suit non-Allyacht Spars booms, to accommodate the pin in the boom IBE (In Board End). This may also require reinforcing of the knuckle.
- Seldén booms** Seldén booms require modification of the knuckle as described above - resizing the hole and consequent reinforcing of the knuckle.

STANDARD GOOSENECKS		REINFORCING FOR GOOSENECKS (if required)	
	Standard Gooseneck		Gooseneck with side reinforcement
SUIT MAST SIZE	GOOSENECK PART NO.	SUIT MAST SIZE	REINFORCEMENT PART NO.
IM12 IM135 IM15	AYS200-WING AYS250-WING 004.020	IM12 IM135 IM15	AYS200-WING AYS250-WING 004.027
IM16L IM18L IM18R IM19	AYS300-WING 004.030	IM18R	004.036
		IM16L IM18L IN19	AYS300-WING 004.037
IM20 IM20W IM21R IM22W	AYS350-WING 004.040	IM21R	004.038
		IM20 IM20W IM22W	AYS350-WING 004.047
AYS235 AYS250	004.070	AYS235 AYS250	NA
AYS280 AYS310 AYS355	004.050	AYS280 AYS310 AYS355	004.057

B4.2 Gooseneck Parts

The component parts of goosenecks are available separately.

		 <p>Mast plate; T-Bar; Knuckle; Shackle</p>
GOOSENECK PART NO.	COMPONENT PART NO.	DESCRIPTION
004.020	004.021	Gooseneck mast plate 105 x 30 mm - hole for 12.7mm T-bar
	004.022	Gooseneck T-Bar - 12.7mm diameter
	004.025	Gooseneck knuckle - holes for 12.7mm T-bar and 12.7mm IBE pin
	RF0623	Shackle ¼" pin
004.030	004.031	Gooseneck mast plate 120 x 42 mm - hole for 12.7mm T-bar
	004.022	Gooseneck T-Bar - 12.7mm diameter
	004.025	Gooseneck knuckle - holes for 12.7mm T-bar and 12.7mm IBE pin
	RF0624	Shackle 5/16" pin
004.040	004.041	Gooseneck mast plate 140 x 50 mm - hole for 15.9mm T-bar
	004.042	Gooseneck T-Bar - 15.9mm diameter
	004.045	Gooseneck knuckle - holes for 15.9mm T-bar and 12.7mm IBE pin
	RF0624	Shackle 5/16" pin
004.070	004.071	Gooseneck mast plate 141 x 80 mm - hole for 15.9mm T-bar
	004.042	Gooseneck T-Bar - 15.9mm diameter
	004.045	Gooseneck knuckle - holes for 15.9mm T-bar and 12.7mm IBE pin
	RF0624	Shackle 5/16" pin
004.050	004.051	Gooseneck mast plate 182 x 60 mm - hole for 19.1mm T-bar
	004.052	Gooseneck T-Bar - 19.1mm diameter
	004.055	Gooseneck knuckle - holes for 19.1mm T-bar and 15.9mm IBE pin
	RF0625	Shackle 5/8" pin
Applicable to all sizes of gooseneck	004.065	Modify Gooseneck knuckle

B4.3 Sail Entries - RCB Tracks

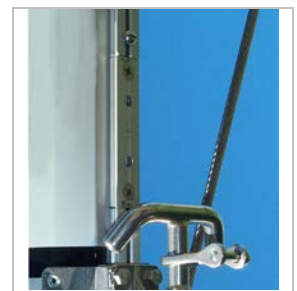
Allyacht Spars supplies a number of different RCB tracks to suit the various batten car systems that are available (see Section 28 for details of RCB tracks). The following items are allied to RCB tracks.

<u>Head Cover</u>	This is fixed to the top end of a 'push-up' track to prevent sails or ropes catching on the edges. The internal rubber blocks allow for track expansion and contraction. Two Part Nos. are available, 'small' and 'large' - see Table below.
RCB Gate	This allows the RCB cars or sliders to be fitted on to the track above the gooseneck.
<u>Variations</u>	Two Part Nos. are available, 'small' and 'large' - see Table below. For each Part No. ie. 'small' and 'large', there are four styles of RCB Gate. All four styles are designed to allow the RCB cars/sliders to be loaded on to the RCB track on the mast, with the variation designed to cater for the particular characteristics of each RCB car/slider.
Add-on-track gate	This is used for masts with an add-on RCB track, including Allyacht Spars push-up tracks (IMRCB.A, AYS-22R.A and AYS-26R.A - see Section 28) and any other commercially available screw-on tracks. A 330mm gap is left in the track, then the gap is filled with a piece of the same track which is screwed into place and remains removable for loading or unloading RCB cars/sliders.
Cut gate 330mm	This is used for masts with an integral RCB track (IM18R and IM21R). It is otherwise the same as the 'Add-on-track gate'.
Cut gate 130mm	This is used for masts with an integral RCB track (IM18R and IM21R) where there is NOT a double-car/slider arrangement on the headboard.
Single-side cut-out gate	This entry is made by altering a short section of the RCB track by removing one side of the top flange to enable the RCB cars/sliders to be put on to the track then moved up on to the full track. A removable screw is replaced in the entry to keep the cars/sliders in place above the entry.
<u>Assemble RCB Track</u>	This Part No. includes both Head Cover and RCB Gate, as well as the process of installing a 'push-up' track, with the Head Cover and the RCB Gate, on to a mast (note that the track itself is not included in this Part No. and must be ordered separately in the required length). Two Part Nos. are available, 'small' and 'large' - see Table below.

PART NO.	DESCRIPTION	TO SUIT BATTEN CAR SYSTEM
004.205	RCB Head Cover - small	Ronstan 22-R, 26-R, and RF7000 - see www.ronstan.com Other systems of a similar size
004.210	RCB Gate - small	
004.200	Assemble RCB Track - small	
004.305	RCB Head Cover - large	Ronstan 30-R - see www.ronstan.com Other systems of a similar size
004.310	RCB Gate - large	
004.300	Assemble RCB Track - large	






RCB Head Cover



RCB Gate
(Cut gate 130mm)

B4.4 Sail Track Accessories

<u>Sail Entries</u>	<p>The Sail Entry Slot is a modification to the mast track to enable fitting of sail slugs.</p> <p>The Bolt Rope Entry Ramp is a fitting, unique to Allyacht Spars masts, which ensures smooth feeding of a boltrope into the mast. It is made of stainless steel, is resistant to wear and has a smooth rounded head at the entry.</p>
Sail Slide Stops	<p>These devices are used for sails with slugs, and prevent the slugs from slipping out of the mast section when the sail has been pulled down. They are put into the bottom end of the track after the sail has been loaded, and fixed temporarily with a grub screw with a winged head (allowing it to be done by hand). If the sail is to be removed from the mast, the Sail Slide Stop is unscrewed by hand and removed, but is not lost as it is retained by a wire stop. There is a version that suits the Boltrope track (AYS-062.A) and one that suits the Trisail track (IMST-T.A).</p>
Track Ends	<p>This makes a neat end to a 32mm track, either the T-track 32mm (IMT32.A) or the Trisail track 7/8" (IMST-T.A), preventing ropes, sails or crew from catching on the ends.</p>

<u>DESCRIPTION</u>	<u>NOTES</u>	PART NO.	
Sail entry slot	Modification to mast track	004.099	 <p>004.101</p>
Bolt rope entry ramp	Suit Allyacht Spars mast sections with integral bolt rope track	004.101	
Sail Slide Stop	Suit Allyacht Spars mast sections with integral bolt rope track	004.100	 <p>004.100</p>
Sail Slide Stop	Suit Trisail track IMST-T.A	004.100T	
Track end		004.100S	 <p>004.100T</p>