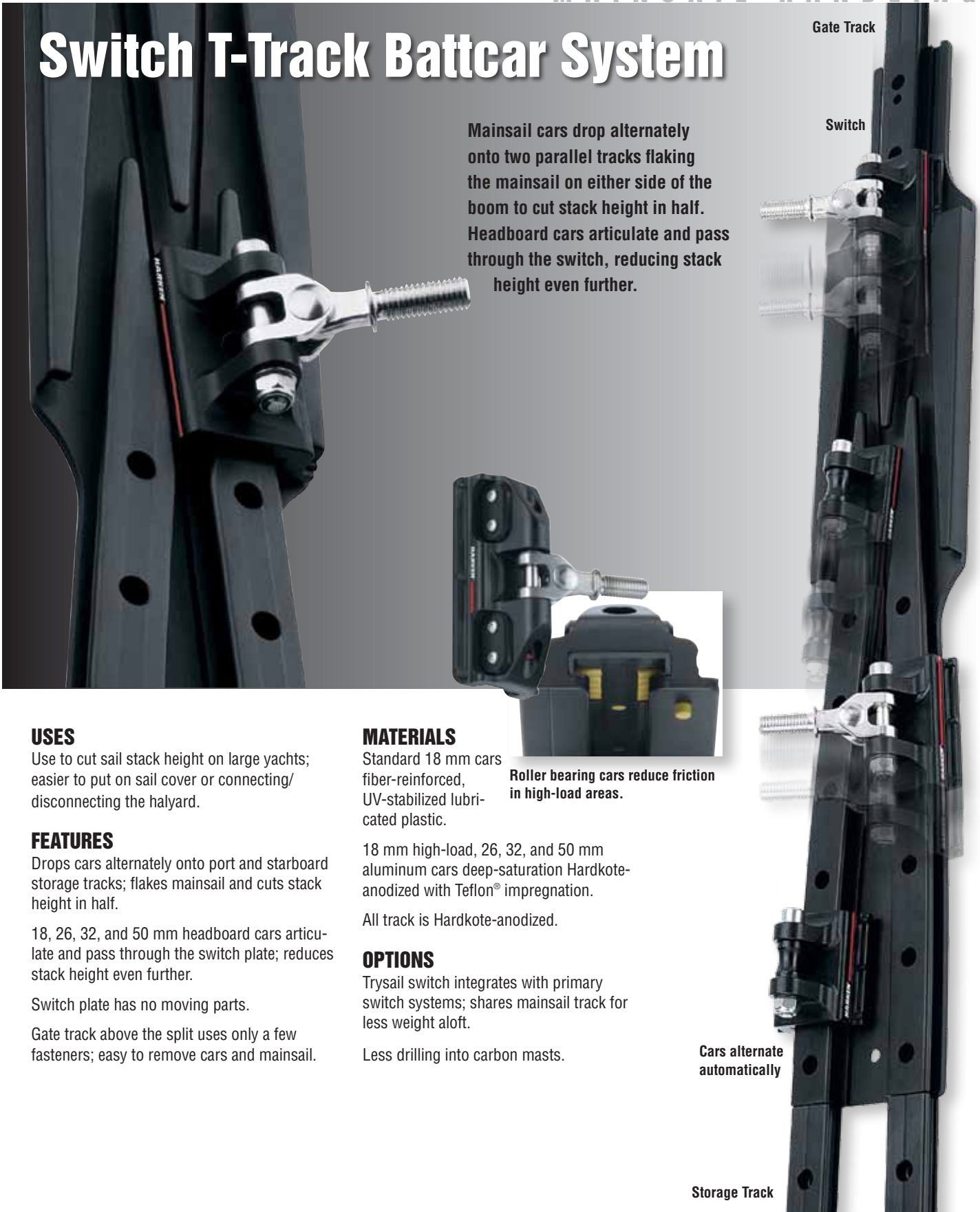


Switch T-Track Battcar System

Mainsail cars drop alternately onto two parallel tracks flaking the mainsail on either side of the boom to cut stack height in half. Headboard cars articulate and pass through the switch, reducing stack height even further.

Gate Track

Switch



USES

Use to cut sail stack height on large yachts; easier to put on sail cover or connecting/disconnecting the halyard.

FEATURES

Drops cars alternately onto port and starboard storage tracks; flakes mainsail and cuts stack height in half.

18, 26, 32, and 50 mm headboard cars articulate and pass through the switch plate; reduces stack height even further.

Switch plate has no moving parts.

Gate track above the split uses only a few fasteners; easy to remove cars and mainsail.

MATERIALS

Standard 18 mm cars fiber-reinforced, UV-stabilized lubricated plastic.

18 mm high-load, 26, 32, and 50 mm aluminum cars deep-saturation Hardkote-anodized with Teflon[®] impregnation.

All track is Hardkote-anodized.

OPTIONS

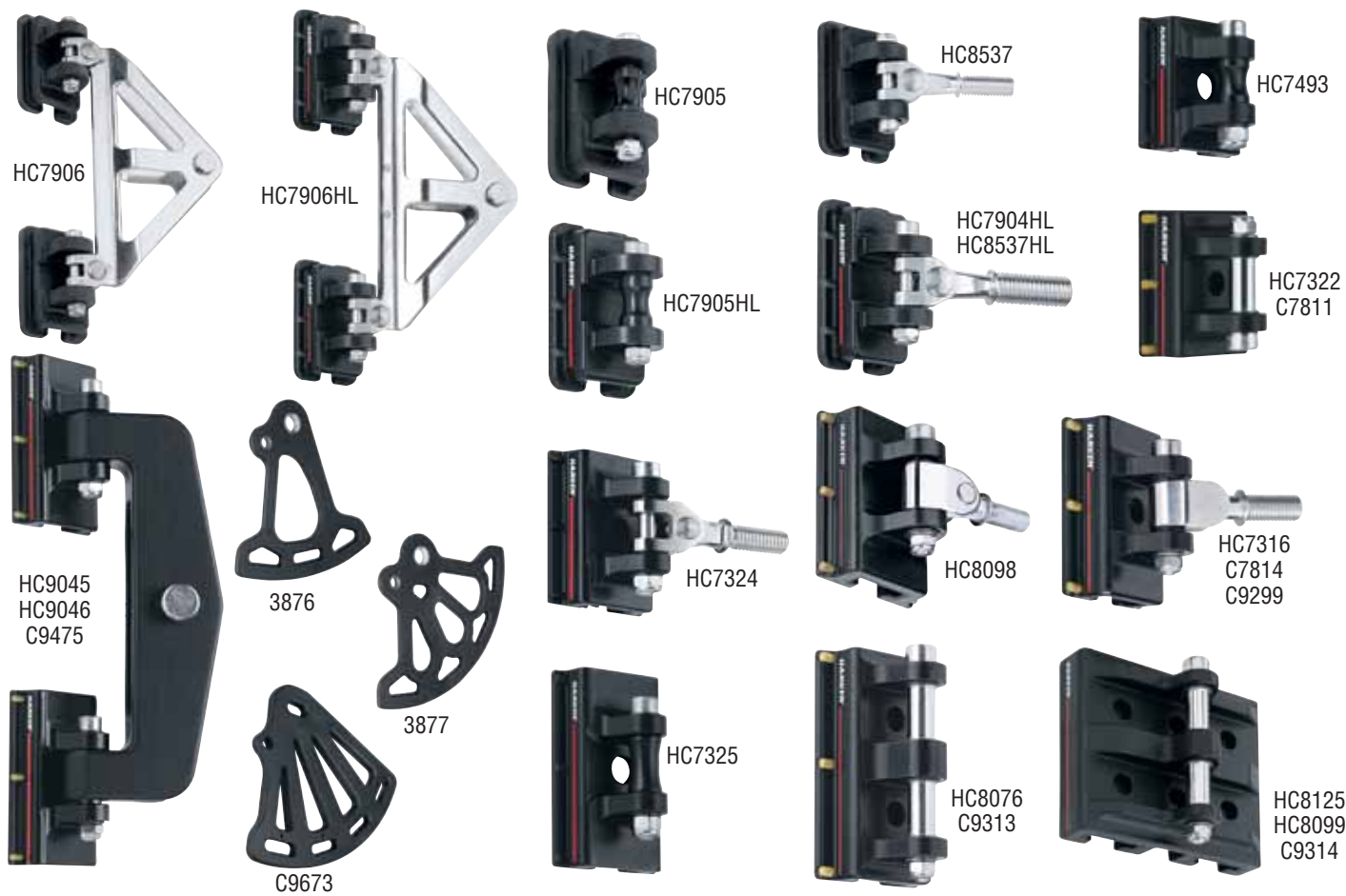
Trysail switch integrates with primary switch systems; shares mainsail track for less weight aloft.

Less drilling into carbon masts.

Roller bearing cars reduce friction in high-load areas.

Cars alternate automatically

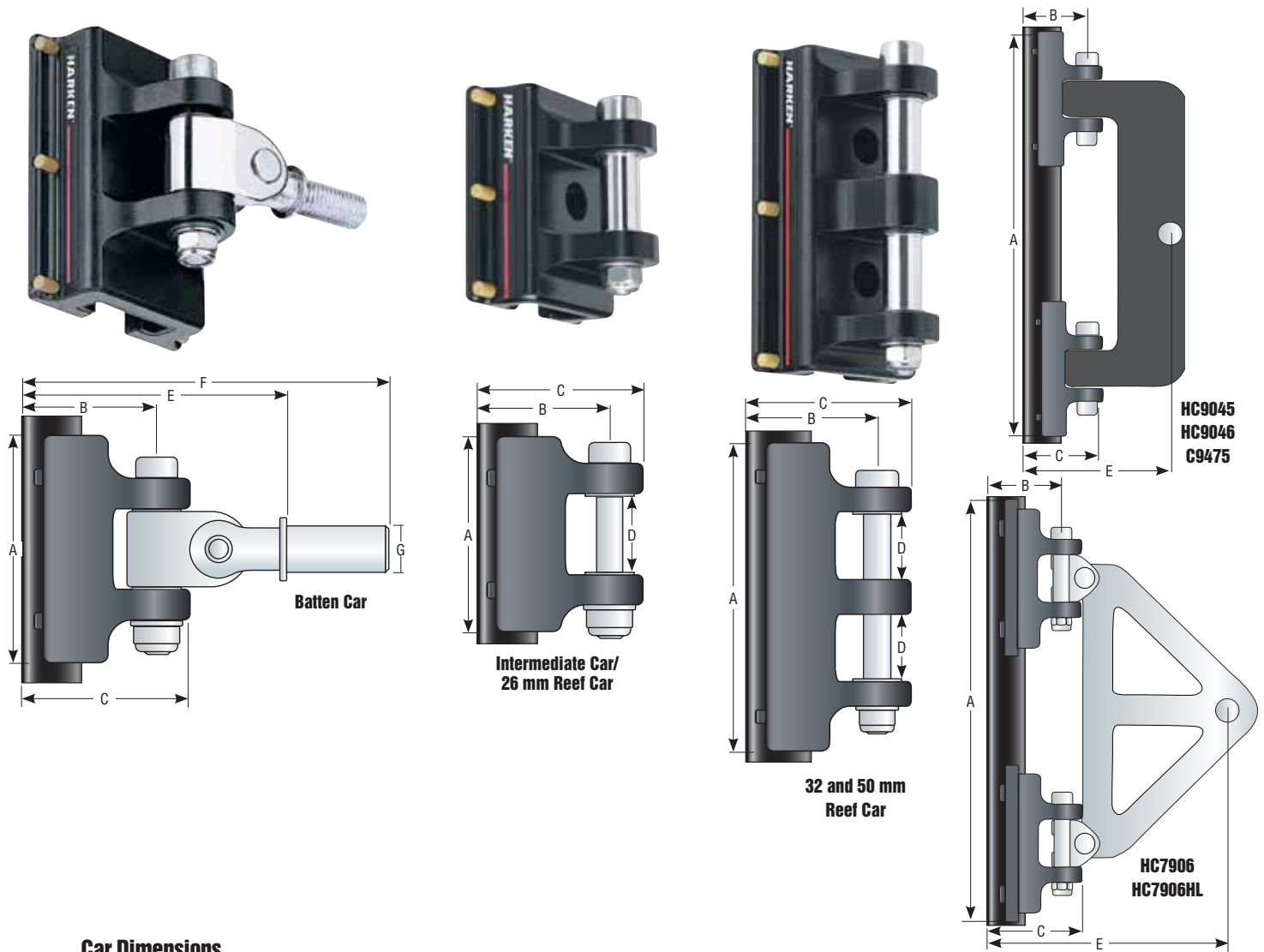
Storage Track



Cars and Plates

Part No.	Description	Length		Width		Weight		Max headboard thickness		Maximum sail area Monohull		Maximum sail area Multihull		Maximum working load	
		in	mm	in	mm	oz	g	in	mm	ft²	m²	ft²	m²	lb	kg
18 mm															
HC7906	Headboard car	7 ³ / ₁₆	198	1 ²¹ / ₃₂	42	12.8	359	9 ⁹ / ₁₆	14	450	40	325	30	700	318
HC7905	Intermediate car	2 ¹ / ₂	63	1 ²¹ / ₃₂	42	1.6	45	—	—	450	40	325	30	300	103
HC8537	Batten car/10 mm stud	2 ¹ / ₂	63	1 ²¹ / ₃₂	42	3.2	91	—	—	450	40	325	30	300	103
18 mm High-Load (HL)															
HC7906HL	Headboard car	7 ³ / ₁₆	198	1 ²¹ / ₃₂	42	14.4	408	9 ⁹ / ₁₆	14	610	55	500	45	1600	725
HC7905HL	Intermediate car	2 ¹ / ₂	63	1 ²¹ / ₃₂	42	3.2	91	—	—	610	55	500	45	600	272
HC7904HL	Batten car/12 mm stud	2 ¹ / ₂	63	1 ²¹ / ₃₂	42	4.9	139	—	—	610	55	500	45	600	272
HC8537HL	Batten car/10 mm stud	2 ¹ / ₂	63	1 ²¹ / ₃₂	42	4.8	136	—	—	610	55	500	45	600	272
26 mm															
HC9045	Headboard car*	10 ⁵ / ₈	270	2 ³ / ₈	60	34.3	973	2 ¹ / ₃₂	17	1730	160	1300	120	4500	2045
HC7493	Intermediate car	2 ³ / ₈	60	2 ³ / ₈	60	5.6	159	—	—	1730	160	1300	120	1000	455
HC7324	Batten car/12 mm stud	2 ¹⁵ / ₁₆	75	2 ³ / ₈	60	8.8	250	—	—	1730	160	1300	120	1500	682
HC7325	Reef car*	3 ¹⁷ / ₃₂	90	2 ³ / ₈	60	7.2	205	—	—	1730	160	1300	120	2100	955
HC8125	Tack car	3 ¹⁷ / ₃₂	90	4 ³ / ₈	111.2	14.4	409	—	—	1730	160	1300	120	3800	1727
32 mm															
HC9046	Headboard car*	11	280	2 ³ / ₄	70	44.7	1266	2 ¹ / ₃₂	17	3780	350	2400	225	8000	3635
HC7322	Intermediate car	2 ¹⁵ / ₁₆	75	2 ³ / ₄	70	10.4	297	—	—	3780	350	2400	225	2800	1273
HC8098	Batten car/12mm stud	3 ¹⁷ / ₃₂	90	2 ³ / ₄	70	11.2	319	—	—	3780	350	2400	225	4000	1818
HC7316	Batten car/14mm stud	3 ¹⁷ / ₃₂	90	2 ³ / ₄	70	11.2	319	—	—	3780	350	2400	225	4000	1818
HC8076	Reef car*	4 ¹⁷ / ₃₂	115	2 ³ / ₄	70	14.4	409	—	—	3780	350	2400	225	4000	1818
HC8099	Tack car	4 ¹⁷ / ₃₂	115	5 ¹ / ₁₆	132	29.2	830	—	—	3780	350	2400	225	7900	3590
50 mm															
C7811	Intermediate car**	3 ¹⁵ / ₁₆	100	4 ⁵ / ₁₆	110	36.8	1043	—	—	3780+	350+	2400+	275+	4500	2045
C7814	Batten car/16mm stud**	5 ⁹ / ₁₆	141	4 ⁵ / ₁₆	110	60.8	1724	—	—	3780+	350+	2400+	275+	7500	3408
C9299	Batten car/18mm stud**	5 ⁹ / ₁₆	141	4 ⁵ / ₁₆	110	63	1782	—	—	3780+	350+	2400+	275+	7500	3408
C9313	Reef car**	7 ¹ / ₈	200	4 ⁵ / ₁₆	110	168	4763	—	—	3780+	350+	2400+	275+	12500	5670
C9314	Tack car**	7 ¹ / ₈	200	8 ¹ / ₁₆	205.3	168	4763	—	—	3780+	350+	2400+	275+	19842	9000
C9475	Headboard car**	17 ¹ / ₄	450	4 ⁵ / ₁₆	110	214	6078	1	25	3780+	350+	2400+	275+	16500	7500
Headboard plates															
3876	Web-on headboard plate†	10 ⁹ / ₁₆	268	7 ¹⁵ / ₁₆	201	29	828	1/2	13	—	—	—	—	Fits HC9045/HC9046	
3877	Web-on headboard plate/flat-top†	10 ⁹ / ₁₆	273	11 ¹ / ₈	282	43	1343	1/2	13	—	—	—	—	Fits HC9045/HC9046	
C9673	Web-on headboard plate†	15 ¹ / ₂	394	16 ³ / ₈	416	195	5498	1	25.4	—	—	—	—	Fits C9475	

*May increase MWL by using track with closer hole spacing; contact Harken **Allow 8 weeks lead time †Contact Harken for headboard plate for older systems and boats with sail areas at the high and low ends of the size range ‡If your boat or sail area is larger than the lengths and sail areas listed, please contact Harken.



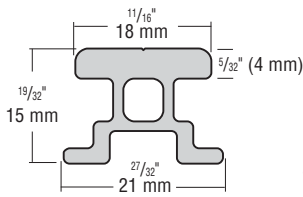
Car Dimensions

Part No.	Description	A		B		C		D		E		F		G Stud Ø
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm
18 mm														
HC7906	Headboard car assembly	7 ¹³ / ₁₆	198	1 ¹ / ₈	29	1 ¹ / ₂	38	—	—	4 ¹ / ₁₆	103	—	—	—
HC7905	Intermediate car	2 ¹ / ₂	63	1 ¹ / ₈	29	1 ¹ / ₂	38	3/4	19	—	—	—	—	—
HC8537	Batten car/10mm stud	2 ¹ / ₂	63	1 ¹ / ₈	29	—	—	—	—	2 ¹⁵ / ₃₂	62	3 ⁷ / ₁₆	87	10
18 mm High Load (HL)														
HC7906HL	Headboard car assembly	7 ¹³ / ₁₆	198	1 ¹ / ₈	29	1 ⁷ / ₁₆	36	—	—	4 ¹ / ₁₆	103	—	—	—
HC7905HL	Intermediate car	2 ¹ / ₂	63	1 ¹ / ₈	29	1 ⁷ / ₁₆	36	3/4	19	—	—	—	—	—
HC7904HL	Batten car/12mm stud	2 ¹ / ₂	63	1 ¹ / ₈	29	—	—	—	—	2 ¹⁵ / ₃₂	62	3 ²¹ / ₃₂	92	12
HC8537HL	Batten car/10mm stud	2 ¹ / ₂	63	1 ¹ / ₈	29	—	—	—	—	2 ¹⁵ / ₃₂	62	3 ⁷ / ₁₆	87	10
26 mm														
HC9045	Headboard car assembly	10 ⁵ / ₈	270	1 ⁷ / ₁₆	36	1 ¹³ / ₁₆	46	—	—	3 ⁵ / ₈	92	—	—	—
HC7493	Intermediate car	2 ³ / ₈	60	1 ⁷ / ₁₆	36	1 ¹³ / ₁₆	46	1 ³ / ₁₆	21	—	—	—	—	—
HC7324	Batten car	2 ¹⁵ / ₁₆	75	1 ⁷ / ₁₆	36	1 ¹³ / ₁₆	46	—	—	2 ²⁹ / ₃₂	73	4 ¹ / ₁₆	103	12
HC7325	Reef car	3 ¹⁷ / ₃₂	90	1 ⁷ / ₁₆	36	1 ¹³ / ₁₆	46	1	25	—	—	—	—	—
HC8125	Tack car	3 ¹⁷ / ₃₂	90	1 ⁷ / ₁₆	36	1 ¹³ / ₁₆	46	1	25	—	—	—	—	—
32 mm														
HC9046	Headboard car assembly	11	280	1 ⁷ / ₈	47	2 ³ / ₈	60	—	—	3 ¹⁵ / ₁₆	100	—	—	—
HC7322	Intermediate car	2 ¹⁵ / ₁₆	75	1 ⁷ / ₈	47	2 ³ / ₈	60	1	25	—	—	—	—	—
HC8098	Batten car/12mm stud	3 ¹⁷ / ₃₂	90	1 ⁷ / ₈	47	—	—	—	—	3 ⁷ / ₁₆	87	4 ¹⁹ / ₃₂	117	12
HC7316	Batten car/14mm stud	3 ¹⁷ / ₃₂	90	1 ⁷ / ₈	47	—	—	—	—	3 ⁷ / ₁₆	87	4 ²¹ / ₃₂	118	14
HC8076	Reef car	4 ¹⁷ / ₃₂	115	1 ⁷ / ₈	47	2 ³ / ₈	60	1	25	—	—	—	—	—
HC8099	Tack car	4 ¹⁷ / ₃₂	115	1 ⁷ / ₈	47	2 ³ / ₈	60	1	25	—	—	—	—	—
50 mm														
C7811	Intermediate car	3 ¹⁵ / ₁₆	100	2 ⁹ / ₁₆	65	3 ⁵ / ₁₆	85	1 ¹ / ₈	28	—	—	—	—	—
C7814	Batten car/16mm stud	5 ⁹ / ₁₆	141	2 ⁹ / ₁₆	65	—	—	—	—	5 ⁷ / ₃₂	128	6 ²¹ / ₃₂	177	16
C9299	Batten car/18mm stud	5 ⁹ / ₁₆	141	2 ⁹ / ₁₆	65	—	—	—	—	5 ⁷ / ₃₂	128	6 ²¹ / ₃₂	177	16
C9313	Reef car	7 ¹ / ₈	200	2 ⁹ / ₁₆	65	3 ⁵ / ₁₆	85	1 ¹ / ₈	28	—	—	—	—	—
C9314	Tack car	7 ¹ / ₈	200	2 ⁹ / ₁₆	65	3 ⁵ / ₁₆	85	1 ¹ / ₈	28	—	—	—	—	—

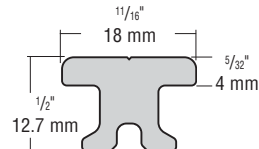
18 mm Switch System

Slug Mount

Drill/Tap



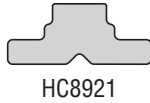
HC8800
HC8811



HC7827
HC9597



HC8798
HC8799



HC9106
HC9107
HC9108

Splice Links



HC8230



HC9106



HC9107



HC9108



HC10417

Mounting Kits: Slug Mount

Part No.	Description	Mounting slug		Mounting slugs/kit	Connector slug		Flat mast groove gap	
		Length in	Weight oz		Length in	Weight oz	Min in	Max in
HC8918	Round mast groove	2	.51	9	3	—	—	—
HC8919	Flat mast groove	1 3/4	.45	8	3	—	—	5/16 8 7/16 11
HC8921	Wide flat mast groove	1 3/4	.45	16	3	—	—	7/16 11 5/8 16
HC9106	Round mast groove	3/4	.19	4	19	2 5/8	.67	.54 15 1
HC9702	Round mast groove, extras*	3/4	.19	4	10	—	—	—
HC9107	Flat mast groove	3/4	.19	5	19	2 5/8	.67	.60 17 1 5/16 8 7/16 11
HC9703	Flat mast groove, extras*	3/4	.19	5	10	—	—	—
HC9108	Wide flat mast groove	3/4	.19	6	19	2 5/8	.67	.94 23 1 7/16 11 5/8 16
HC9704	Wide flat mast groove, extras*	3/4	.19	6	10	—	—	—

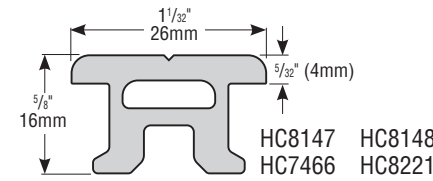
*Extra slug kit for HC8811 track. Order one kit in addition to HC9106, HC9107 or HC9108 for sail headboard location at full hoist and when sail is reefed.

Track

Part No.	Description	Length		Width		Weight		Fasteners mm	Fastener spacing mm
		in	mm	in	mm	oz	g		
Slug Mount									
HC8798	Switch/short	24	610	2 5/8	67	32	907	5	—
HC8799	Switch/long	33 3/4	857	2 5/8	67	47	1336	5	—
HC8800	T-Track	80 13/16	2051	2 1/32	21	27	758	5	100
HC8811	T-Track/high-load	80 13/16	2051	2 1/32	21	26	748	5	50
Drill/Tap									
HC10417	Switch**	33 25/32 *	858	3	76	26.7	758	5	75
HC7827	3 m T-Track	118 1/8	3000	2 3/32	18	38.9	1106	5	75
HC9597	2 m T-Track/high load	78 3/4	2000	2 3/32	18	25.5	723	5	50
HC8230	Splice link	7/8	22	1/8	3.2	.02	.57	—	—

**Switch may be shortened to 23 13/16" (605 mm)

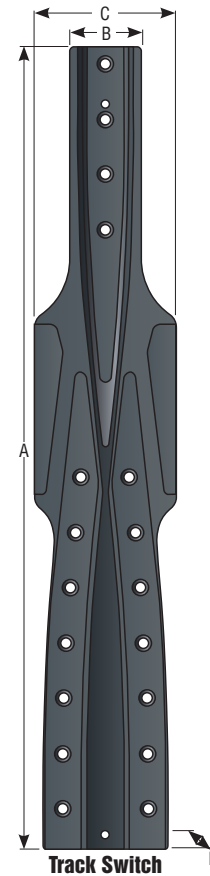
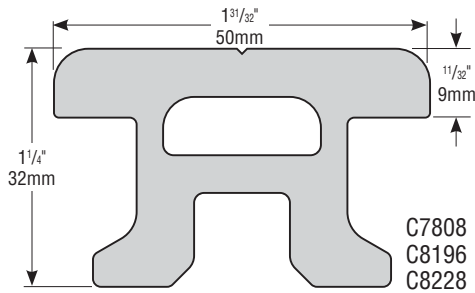
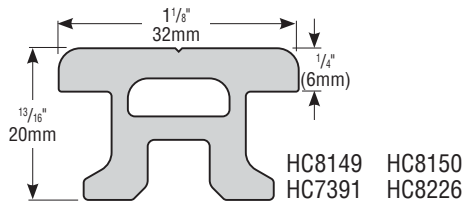
26 mm/ 32 mm/ 50 mm Switch Systems



HC7466
HC8221
HC8879
HC7391
HC8226

HC8880
C7808
C8196
C8228

HC8220
HC7382
C7807



Switch, Track and Accessories

Part No.	Description	Length (A)		Width (B)		Switch Width (C)		Height (D)		Weight		Fasteners	Fastener spacing
		in	mm	in	mm	in	mm	in	mm	oz	g		
26 mm													
HC8220	Switch*	25 1/4	641	4	102	4	102	5/8	16	43.1	1225	6	—
HC8147	500 mm Storage track*	19 11/16	500	1 1/32	26	—	—	5/8	16	10.2	291	6	50
HC8148	725 mm Storage track*	28 17/32	725	1 1/32	26	—	—	5/8	16	14.8	419	6	50
HC10060	725 mm Double Storage track*	28 17/32	725	3 11/16	93.3	—	—	5/8	16	57.2	1623	6	50
HC7466	3 m T-Track*	118 1/8	3000	1 1/32	26	—	—	5/8	16	61.1	1736	6	75
HC8879	2 m T-Track/high-load*	78 3/4	2000	1 1/32	26	—	—	—	—	40.3	1141	6	50
HC8221	Gate track*	11 13/16	300	1 1/32	26	—	—	5/8	16	6.1	174	6	75
HC8222	Splice link	—	—	1 1/32	26	—	—	—	—	0.1	3	—	—
1522A	Endstop	2 5/32	55	1 17/32	39	—	—	—	—	—	—	—	—
32 mm													
HC7382	Switch*	28 1/2	724	5	127	5	127	13/16	20	72.8	2068	8	—
HC8149	800 mm Storage track*	31 1/2	800	1 1/4	32	—	—	13/16	20	25.6	728	8	50
HC8150	1025 mm Storage track*	40 11/32	1025	1 1/4	32	—	—	13/16	20	32.8	933	8	50
HC7391	3 m T-Track*	118 1/8	3000	1 1/4	32	—	—	13/16	20	96.2	2734	8	75
HC8880	2 m T-Track/high-load*	78 3/4	2000	1 1/4	32	—	—	13/16	20	63.1	1790	8	50
HC8226	Gate track*	11 13/16	300	1 1/4	32	—	—	13/16	20	9.6	273	8	75
HC8227	Splice link	—	—	—	—	—	—	—	—	0.2	5	—	—
548A	Endstop	2 27/32	72	2 1/32	52	—	—	—	—	—	—	—	—
50 mm													
C7807	Switch*‡	44 1/2	1134	7 13/16	198.44	7 25/32	198.5	1 1/4	32	276	7838	12	—
C7808	3 m T-Track*‡	118 1/8	3000	1 31/32	50	—	—	1 1/4	32	232	6589	12	75
C8196	6 m T-Track*‡	236 1/4	6000	1 31/32	50	—	—	1 1/4	32	464	13173	12	75
C8228	Gate track*‡	11 13/16	300	1 31/32	50	—	—	1 1/4	32	23	659	12	75
C8229	Splice link ‡	—	—	—	—	—	—	—	—	0.46	13	—	—
C8217	Endstop*‡	2 3/4	70	3 23/32	94	—	—	—	—	19	537	12	—

*Available in black or clear anodized ‡Allow 8 weeks lead time

Trysail Switch System

Integrating a Harken trysail switch system with a Switch T-Track Battcar system is a great way to reduce weight aloft. Instead of two separate track systems, which could also require drilling extra holes into your carbon mast, the trysail and mainsail switch systems share a single mast track. Only trysail cars can travel onto the trysail track, while mainsail cars pass through to the standard switch and onto storage racks.



Trysail Switch System

USES

Reduces weight aloft by sharing track with Switch T-Track Battcar system.

FEATURES

Trysail switch function installs above standard system; allows trysail cars to cross over from extra track next to mainsail track and onto single mast track above mainsail.

Trysail can be safely loaded onto the track at deck level and raised while mainsail is flaked on boom.

MATERIALS

Cars are deep-saturation Hardkote-anodized, Teflon[®] impregnated for durability and low friction.

All track Hardkote-anodized

OPTIONS

Available in 26, 32, and 50 mm sizes

Trysail Switch System

Part No.	Description	Length		Width		Weight		Fasteners mm	Maximum working load	
		in	mm	in	mm	oz	g		lb	kg
26 mm										
C9493	Port Trysail Switch*‡	14½	368	4 ²⁵ / ₃₂	121	27	762	6	—	—
C9492	Starboard Trysail Switch*‡	14½	368	4 ²⁵ / ₃₂	121	27	762	6	—	—
C9494	Car body*‡	2 ⁷ / ₈	60	1 ¹ / ₃₂	26	5	143	—	1001	454
32 mm										
C9341	Port Trysail Switch*‡	16	406	5 ⁷ / ₈	149	43	1222	8	—	—
C9340	Starboard Trysail Switch*‡	16	406	5 ⁷ / ₈	149	43	1222	8	—	—
C9342	Car body*‡	2 ¹⁵ / ₁₆	75	3 ¹ / ₃₂	77	11	309	—	595	270
50 mm										
C9337	Port Trysail Switch*‡	25	635	8 ¹³ / ₁₆	223	158	4465	12	—	—
C9336	Starboard Trysail Switch*‡	25	635	8 ¹³ / ₁₆	223	158	4465	12	—	—
C9338	Car body*‡	3 ¹⁵ / ₁₆	100	4 ¹ / ₁₆	120	59	1658	—	4500	2041

*Available in black or clear anodized ‡Allow 8 weeks lead time

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