



140



141



146



147



148



168



169



Sakonnet 23, Edey & Duff, Ltd. — Chris Cunningham Photo



222



223



362

Part No.	Description	Sheave Ø		Length		Weight		Max line Ø		Shackle pin Ø		Max working load		Breaking strength	
		in	mm	In	mm	oz	g	in	mm	In	mm	lb	kg	lb	kg
140	Pivoting exit/cam**	1 1/2	38	3 1/8	79	8	227	3/8	10	—	—	300	136	2000	907
141	Pivoting exit/cam**	1 1/2	38	3 1/8	79	7	206	3/8	10	—	—	200	91	2000	907
146	Single/shackle	1 1/2	38	3 1/8	79	2	57	3/8	10	3/16	5	300	136	2000	907
147	Single/shackle/becket	1 1/2	38	4	102	2 1/4	64	3/8	10	3/16	5	300	136	2000	907
148	Traveler	1 1/2	38	4 1/4	108	2 1/2	71	3/8	10	—	—	300	136	2000	907
168	Single/swivel	1 1/2	38	3 1/4	83	2 1/4	64	3/8	10	3/16	5	300	136	2000	907
169	Single/swivel/becket	1 1/2	38	4	102	2 1/2	71	3/8	10	3/16	5	300	136	2000	907
222	Upright**	1 1/2	38	2 1/4	57	2 1/2	71	3/8	10	—	—	300	136	2000	907
223	Double upright**	1 1/2	38	2 1/4	57	3 1/4	92	3/8	10	—	—	600	272	2000	907
362	Single/cam/becket	1 1/2	38	4 3/16	106	5	142	1/4	6	3/16	5	150	68	2000	907

\*\*#10 (5 mm) RH fasteners

# Mid-Range Traveler Cars & Control Blocks

Use Mid-Range recirculating ball bearing traveler cars on offshore boats from 27 to 34' (8 to 10 m).

The 1561 stand-up toggle fits all Mid-Range cars and holds blocks in an upright position.

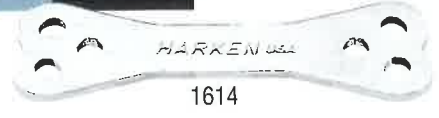
The 1557 coupler joins two 1508 cars to provide a high load assembly which rolls on radii as tight as 96" (2.44 m). The 1614 flat plate coupler joins two 1508 or 1509 cars when a block is secured to each car. You can use these couplers in conjunction with Mid-Range control blocks.

The 1536 traveler system is offered as a kit and builds 4:1 systems for offshore boats to 34' (10 m). Maximum mainsail area for end-boom sheeting is 275 ft<sup>2</sup> (25 m<sup>2</sup>). 225 ft<sup>2</sup> (21 m<sup>2</sup>) for mid-boom sheeting. Track and control lines sold separately.

Pivoting shackle for non-vertical loads



Use for:  
Mainsheet systems



Special features see pages 94-95. Suggested uses see page 96. Suggested traveler systems see page 202-203.

## Cars

Part No.	Description	Length		Width		Weight		Max load capacity		No. of balls	Ball Ø		Breaking strength	
		In	mm	In	mm	oz	g	lb	kg		In	mm	lb	kg
1508	Car	4 1/4	108	2 1/4	70	10	284	1800	816	48	7/16	8	5000	2268
1509	Long car	5 1/4	133	2 1/4	70	12	350	2300	1043	60	7/16	8	5000	2268
1557	Car coupler	5 1/8	130	2 1/4	70	7 1/2	194	2000	907	—	—	—	4000	1816
1594	Car/cams	9 1/8*	232	4 3/8	111	26	737	1800	816	48	7/16	8	5000	2268
1595	Long car/cams	9 1/8*	232	4 3/8	111	28	794	2300	1043	60	7/16	8	5000	2268
1604	2 toggle car	7 1/4	184	2 1/4	70	23	652	3000	1361	86	7/16	8	6000	2722
1614	Flat plate coupler	4 1/2	114	1 1/8	36	2 1/2	71	2760	1250	—	—	—	6000	2722

Coupler load 30% of mainsheet load. \* Length is measured to outer edge of cam plate assemblies.

## Accessories

Part No.	Description	Length		Weight each		Height above track		SWL		Breaking strength		Purchase
		In	mm	oz	g	In	mm	lb	kg	lb	kg	
1512	Control tang kit	2 3/8	67	1/2	14	3/4	28	1000	454	2000	907	1:1
1513	Single control blocks (pair)	2 3/8	67	2 1/2	71	1 1/4	32	300	136	2000	907	2:1
1514	Single control blocks/becket (pair)	2 3/8	67	3	85	1 3/4	44	300	136	2000	907	3:1
1515	Double control blocks (pair)	2 3/8	67	4	113	1 7/8	48	600	272	2000	907	4:1
1526	25 Torlon balls — 7/16" (8 mm)	Fit Mid-Range cars										
1536	Traveler kit	Purchase track and control lines separately										
1561	Stand up toggle*	2 1/8	59	3 1/2	99	—	—	2500	1134			

Fits all Mid-Range track. \*Accepts 3.00" Small Boat single, Fiddle, Mid-Range blocks and 57 mm AirBlocks.

# Mid-Range Track & Accessories

Mid-Range traveler track comes in either low profile or high beam configurations. Use low profile track where it's supported for its entire length. 1596 track has 3/8" (10 mm) holes spaced on 1 1/2" (34 mm) centers to accept 1597 adjustable pin stops.

1511 and 1610 tracks mount with bolts riding in a channel in the bottom of the track for a clean look and for easy installation. Use the 1511 to bridge cockpits and companionways and 1610 for mainsheet travelers or genoa tracks which are supported for their entire length.

## End Stops/Trim Caps

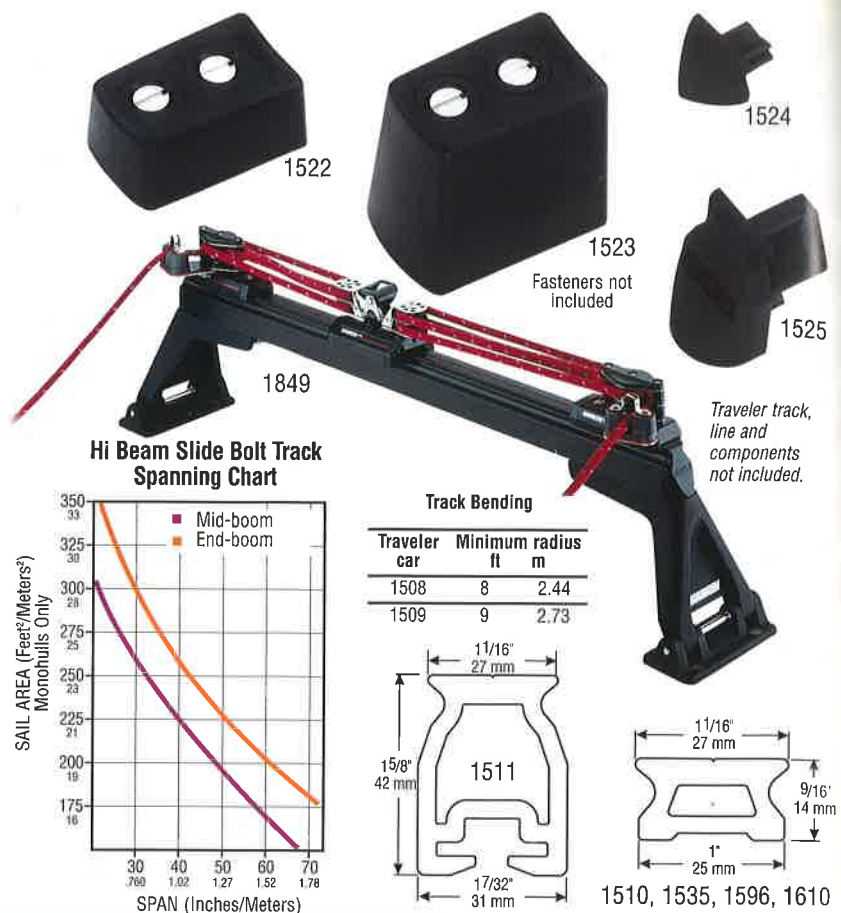
Polyurethane end stops absorb shock loads when control assemblies are not used. Trim caps finish track end when control assemblies are used. Sold in pairs.

## Splice Links

Splice links join track and keep it aligned during installation.

## Track Risers

Track risers come in pairs. They facilitate installation of mid-boom travelers which need to clear companionway hatches. Risers articulate for use with either straight or curved track and fit most cabin houses.



## American Track

Part No.	Description	Length ft-in	m	Hole spacing in	mm	Weight oz	g	Fasteners in	mm	End stop/ Trim cap	Splice link/ Track riser
1510.3	Low beam	3	.914	4*	101.6*	21	595	1/4	6	FH	1522/1524 1538/—
1510.4	Low beam	4	1.22	4*	101.6*	28	794	1/4	6	FH	1522/1524 1538/—
1510.5	Low beam	5	1.52	4*	101.6*	35	992	1/4	6	FH	1522/1524 1538/—
1510.6	Low beam	6	1.83	4*	101.6*	42	1191	1/4	6	FH	1522/1524 1538/—
1510.7	Low beam	7	2.13	4*	101.6*	49	1389	1/4	6	FH	1522/1524 1538/—
1510.8	Low beam	8	2.44	4*	101.6*	56	1588	1/4	6	FH	1522/1524 1538/—
1510.10	Low beam	10	3.05	4*	101.6*	70	1985	1/4	6	FH	1522/1524 1538/—
1510.12	Low beam	12	3.66	4*	101.6*	84	2382	1/4	6	FH	1522/1524 1538/—

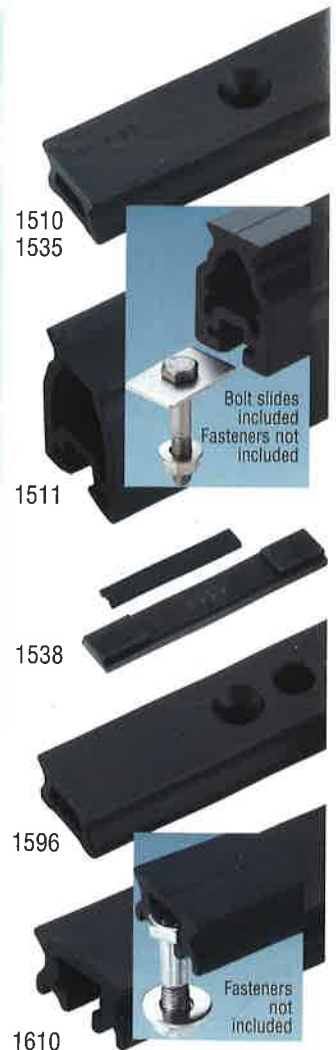
## Metric Track

1535-900mm	Low beam	2-11 1/4	.9	3 1/16	100**	20.7	586	1/4	6	FH	1522/1524 1538/—
1535-1.2m	Low beam	3-11 1/4	1.2	3 1/16	100**	27.6	781	1/4	6	FH	1522/1524 1538/—
1535-1.5m	Low beam	4-11	1.5	3 1/16	100**	34.0	977	1/4	6	FH	1522/1524 1538/—
1535-1.8m	Low beam	5-10 3/4	1.8	3 1/16	100**	41.3	1172	1/4	6	FH	1522/1524 1538/—
1535-2.1m	Low beam	6-10 3/8	2.1	3 1/16	100**	48.2	1367	1/4	6	FH	1522/1524 1538/—
1535-2.4m	Low beam	7-10 1/2	2.4	3 1/16	100**	55.1	1562	1/4	6	FH	1522/1524 1538/—
1535-3m	Low beam	9-10 1/16	3	3 1/16	100**	68.9	1953	1/4	6	FH	1522/1524 1538/—
1535-3.6m	Low beam	11-9 3/4	3.6	3 1/16	100**	82.7	2344	1/4	6	FH	1522/1524 1538/—
1535-6m	Low beam	19-8 1/4	6	3 1/16	100**	137.8	3906	1/4	6	FH	1522/1524 1538/—
1596-1.2m	Low beam/Pin stop holes	3-11 1/4	1.2	3 1/16	100**	25.6	726	1/4	6	FH	1522/1524 1538/—
1596-1.5m	Low beam/Pin stop holes	4-11	1.5	3 1/16	100**	32.0	908	1/4	6	FH	1522/1524 1538/—
1596-1.8m	Low beam/Pin stop holes	5-10 3/4	1.8	3 1/16	100**	38.4	1089	1/4	6	FH	1522/1524 1538/—
1596-3m	Low beam/Pin stop holes	9-10 1/16	3	3 1/16	100**	64.0	1815	1/4	6	FH	1522/1524 1538/—
1596-3.6m	Low beam/Pin stop holes	11-9 3/4	3.6	3 1/16	100**	76.8	2178	1/4	6	FH	1522/1524 1538/—
1596-6m	Low beam/Pin stop holes	19-8 1/4	6	3 1/16	100**	128.0	3630	1/4	6	FH	1522/1524 1538/—

## Variable Hole Spacing Track

1511.4	Hi-beam	4	1.22	Slide bolt	64	1815	1/4	6	HH	1523/1525	—/1849
1511.5	Hi-beam	5	1.52	Slide bolt	80	2268	1/4	6	HH	1523/1525	—/1849
1511.6	Hi-beam	6	1.83	Slide bolt	96	2722	1/4	6	HH	1523/1525	—/1849
1511.7	Hi-beam	7	2.13	Slide bolt	112	3175	1/4	6	HH	1523/1525	—/1849
1610-1.2m	Low beam	3-11 1/4	1.2	Slide bolt	22	624	1/4	6	HH	1522/1524	—/1849
1610-1.8m	Low beam	5-10 3/4	1.8	Slide bolt	33	936	1/4	6	HH	1522/1524	—/1849
1610-2.4m	Low beam	7-10 1/2	2.4	Slide bolt	44	1248	1/4	6	HH	1522/1524	—/1849
1610-3.6m	Low beam	11-9 3/4	3.6	Slide bolt	66	1872	1/4	6	HH	1522/1524	—/1849

\*1st hole 2" \*\*1st hole 50 mm



# Mid-Range Traveler Controls

Mid-Range traveler controls allow installation of purchases from 2:1 to 4:1. Assemblies secure to the traveler track so there is no need to make additional holes in the boat.

Ball bearing sheaves insure cars adjust under load and release instantly in a gust. Cams mount on pivoting arms so control lines can engage or release from a variety of positions in the cockpit.

Use the 1597 pin stop on 1596 track to provide a positive adjustable stop for genoa leads, traveler cars, self-tacking jibs and staysails.

### Use for:

- Traveler systems
- Genoa leads
- Self-tacking jibs/staysails



1516



1519



1520



1521



1597



Seals IMS 34 — Mikawa Boatbuilder Photo

Traveler Control Purchase Recommendations				
Sail area				
End-boom sheeting		Mid-boom sheeting		Purchase
ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	
Under 140	Under 13	Under 125	Under 12	2:1
140 — 235	13 — 22	125 — 200	12 — 19	3:1
235 — 275	22 — 25	200 — 250	19 — 23	4:1

Part No.	Description	Sheave Ø		Length		Width		Weight		Max line Ø		Height above track		SWL		Breaking strength		Purchase
		In	mm	In	mm	In	mm	oz	g	In	mm	In	mm	lb	kg	lb	kg	
1516	Single sheave‡*	1½	38	4½	114	1¼	44	9	255	¾	10	1½	38	300	136	1500	680	1:1/2:1
1519	Double sheave‡*	1½	38	4½	114	1¼	44	10½	298	¾	10	2½	54	600	272	1500	680	3:1/4:1
1520	Double sheave/cam (port)‡*	1½	38	4½	114	1¼	44	16½	468	¾	10	2¾	60	600	272	1500	680	3:1/4:1
1521	Double sheave/cam (stbd)‡*	1½	38	4½	114	1¼	44	16½	468	¾	10	2¾	60	600	272	1500	680	3:1/4:1
1597	Mid-Range pin stop**	1½	38	4½	114	1¼	44	5	142	¾	10	1¾	35	—	—	—	—	—

‡ Fasteners included Fits Mid-Range track \* 5/16" (8 mm) RH fasteners \*\* Requires 1596 track

# Big Boat Car Couplers

Couplers join two cars to form high load assemblies and are especially useful on curved tracks. The 580 and 752 are high load couplers and are useful for single point attachments though multiple sheet blocks may be used. They are typically used to join 515 and 1928 cars only. When using the 580 or 1812 couplers use appropriate control blocks like the 1515 or 1799. Use single, double or triple 57 mm Black Magic AirBlocks with the 752.



580



Cars not included

584



752



1770



Sunbeam 44, Schöchl Yacht Bau — Wascher Photo



Part No.	Description	Length		Weight		SWL		Breaking strength	
		in	mm	oz	g	lb	kg	lb	kg
580	Coupler for 515 cars	7 $\frac{1}{4}$	184	21	595	6000	2722	12000	5443
584	Mainsheet carrier	10	254	44	1247	6000	2722	12000	5443
752	Coupler for 558 cars	10 $\frac{3}{4}$	273	28	794	9000	4082	18000	8165
1770	Flat plate coupler	4 $\frac{3}{8}$	111	3	84	3600	1630	8400	3810

Custom coupler/car assemblies available for 558/1929 cars upon request

# Traveler Kits, Track Risers & Dodger Blocks

## Traveler Kits

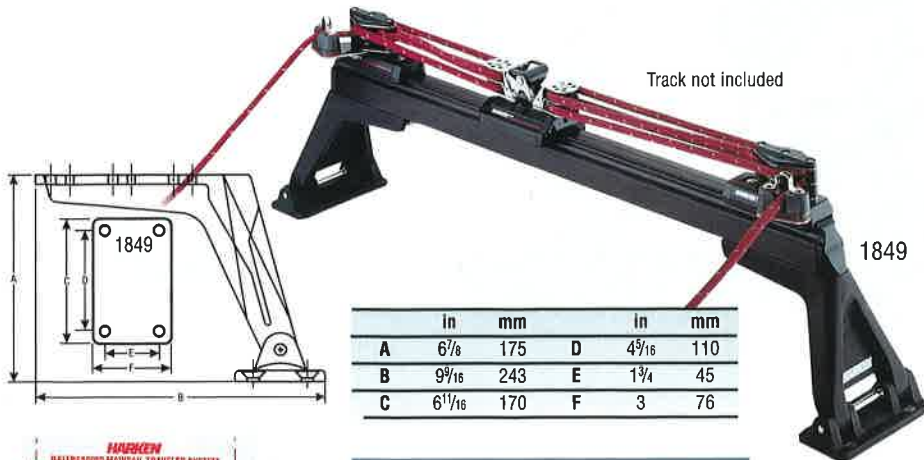
The 561 traveler kit is a 4:1 system suitable for offshore boats to 43' (13 m). Maximum mainsail area is 400 ft<sup>2</sup> (37 m<sup>2</sup>) for end-boom sheeting and 300 ft<sup>2</sup> (28 m<sup>2</sup>) for mid-boom sheeting.

## Track Risers

1849 track risers permit easy installation of mid-boom travelers which need to clear companionway hatches. Risers articulate for use with either straight or curved track.

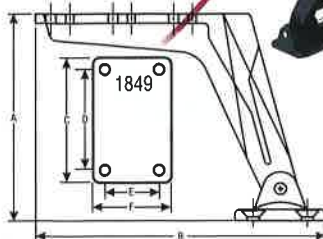
## Dodger Blocks

Dodger blocks route traveler control lines to the deck from bridge mounted travelers so they can pass under the dodger to cam cleats mounted within easy reach of the crew. Both kits are sold as a pair; the 1892 kit includes fasteners and spacers.



Track not included

1849



	in	mm	in	mm
A	6 $\frac{1}{8}$	175	D	4 $\frac{9}{16}$
B	9 $\frac{9}{16}$	243	E	1 $\frac{3}{4}$
C	6 $\frac{1}{16}$	170	F	3



561



1892  
1985

Part No.	Description	Fits	Weight	
			lb	kg
561	Big Boat traveler kit	516, 560, 758, 759 or 1847 Track. Track and control lines sold separately	—	—
1849	Track riser (pair)	560	8.2	3.72
1892	4:1 Dodger block conversion kit (pair)	563, 564, 565, 566 Traveler control blocks	10.5 oz	.298
1985	6:1 Dodger block conversion kit (pair)	1893, 1982, 1983 Traveler control blocks	8 oz	.227