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ТІТLE	S/V BEATRIX - KELLY-PETERSON 44 #286 (1980))		PAGE
	S/V BEATRIX - KELLY-PETERSON 44 #286 (1980) Running Rigging - Main, Jib & Staysail			1 OF 17
TITLE REV. D	S/V BEATRIX - KELLY-PETERSON 44 #286 (1980) Running Rigging - Main, Jib & Staysail DESCRIPTION) DATE 31/03/2022	BY	

There are two separate preventer lines for port and starboard tacks. Each line is separated into a 12-strand Dyneema segment that ends in an eye and clips to the side of the boom. The running segment of the preventer uses a carabiner to clip to that eye, runs outboard of all rigging to the padeye forward, and then is led down the deck to a winch.

The 12-strand Dyneema clipped to the boom has shock cord buried in the core to keep enough tension so it stays on its clip.

Note there are two alternate routings of this line, one leads aft through the double turning block and back to one of the two offside winches (purple dashed). The other routing leads directly from the bow to the secondary winch (solid blue).

Double turning block



Preventer line passes through custom-built 12mm padeye.

Note the conventional method runs the preventer line through the hawse pipe forward but that DOES NOT CHANGE THE ANGLE WITH THE BOOM. I.e. there is no reason to turn the preventer line at the bow. Moving the turning eye back increases leverage on the boom during a gybe and also allows a fair lead down the cabin side to the controlling winch.





DAGE

S/V BEATRIX - KELLY-PETERSON 44 #286	(1080)
3/V DEATRIA - RELLT-FETERSUN 44 #200	(1900)

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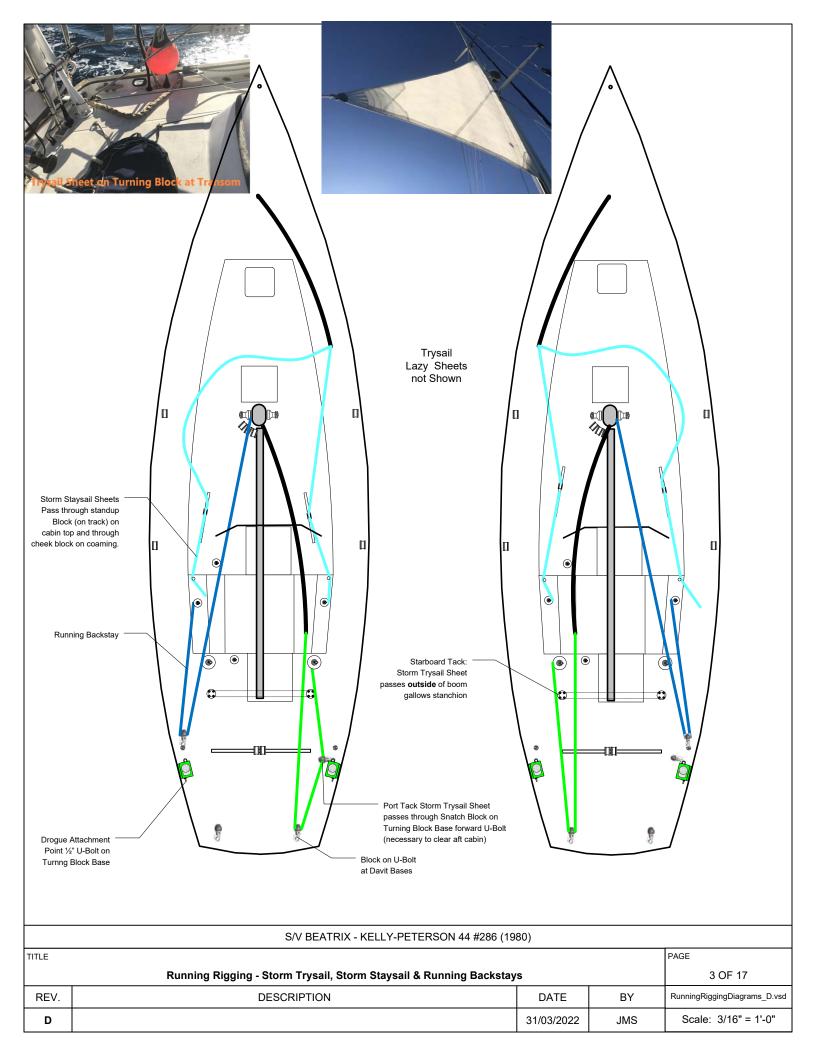
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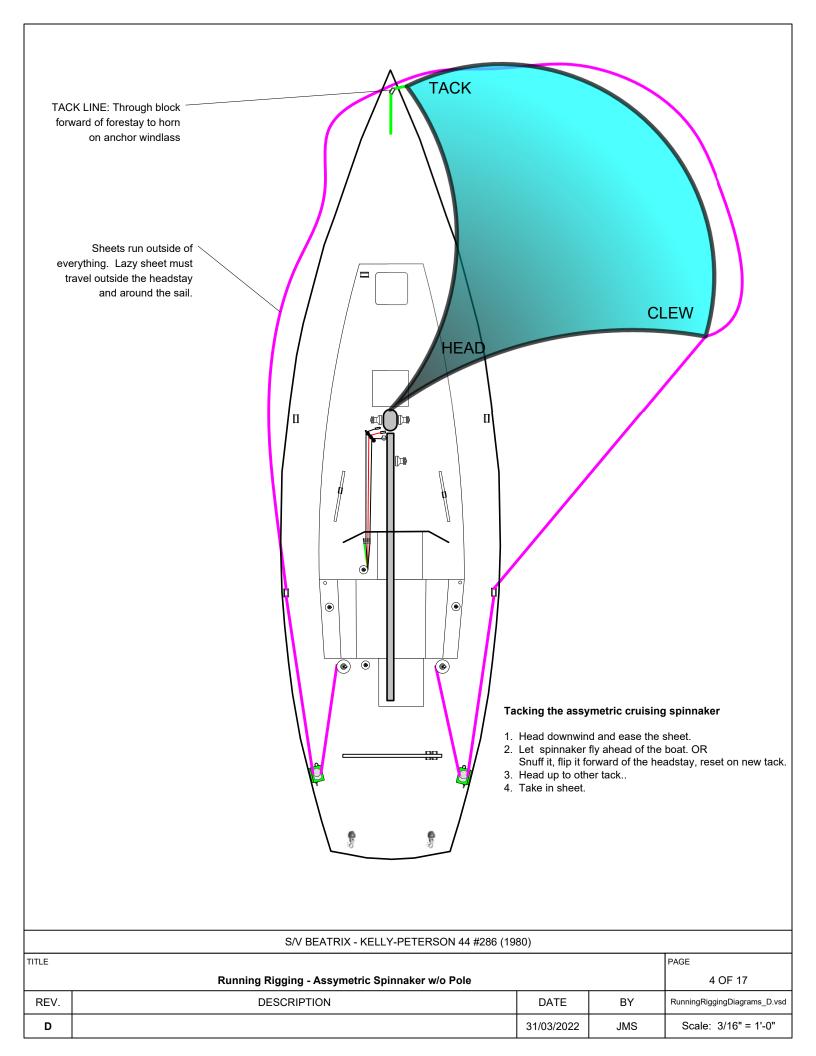
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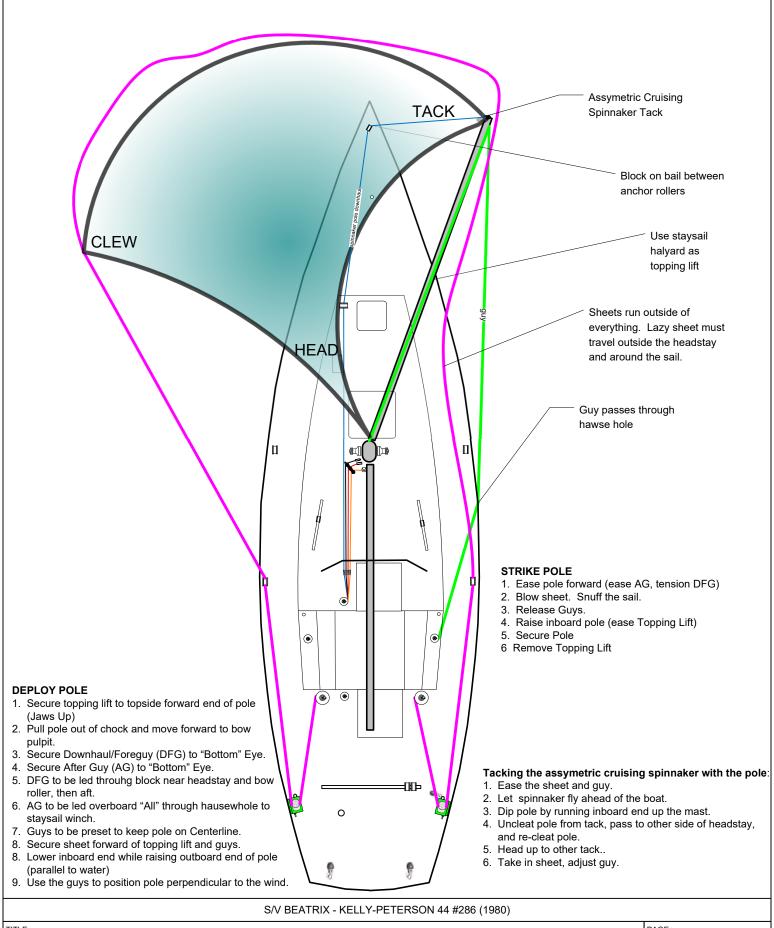
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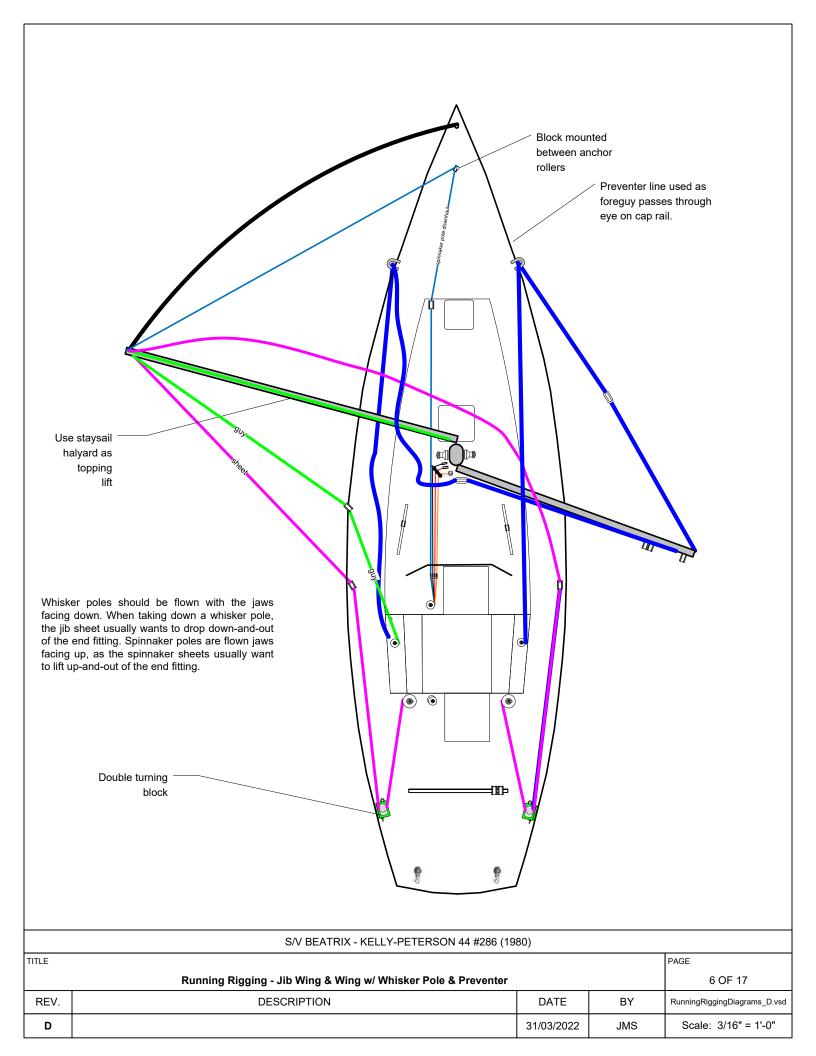
IIILE				PAGE					
	Running Rigging - Preventer								
REV.	DESCRIPTION	DATE	BY	RunningRiggingDiagrams_D.vsd					
D		31/03/2022	JMS	Scale: 3/16" = 1'-0"					

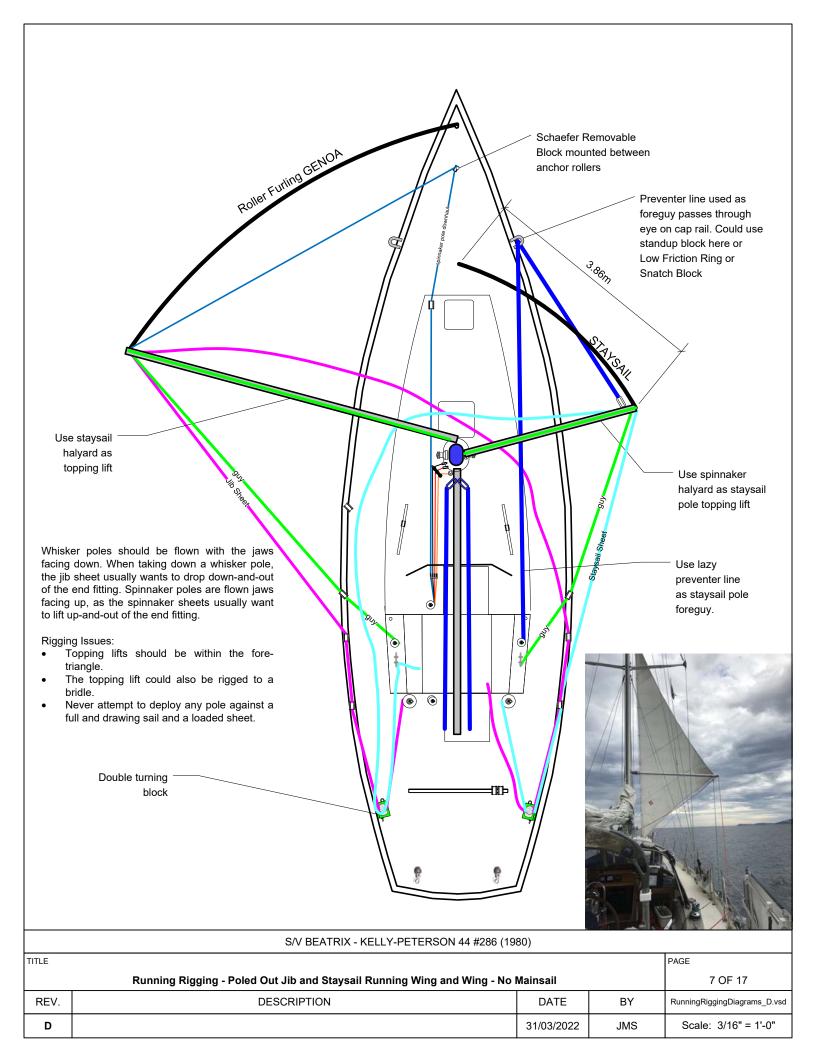


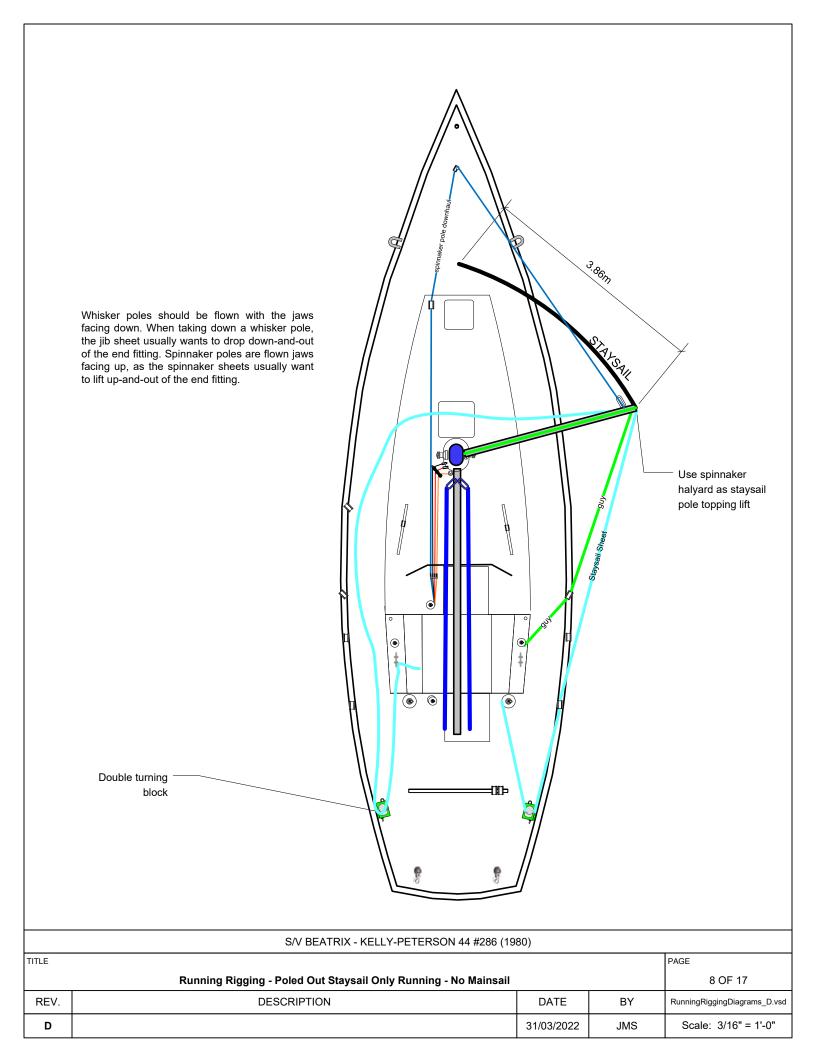


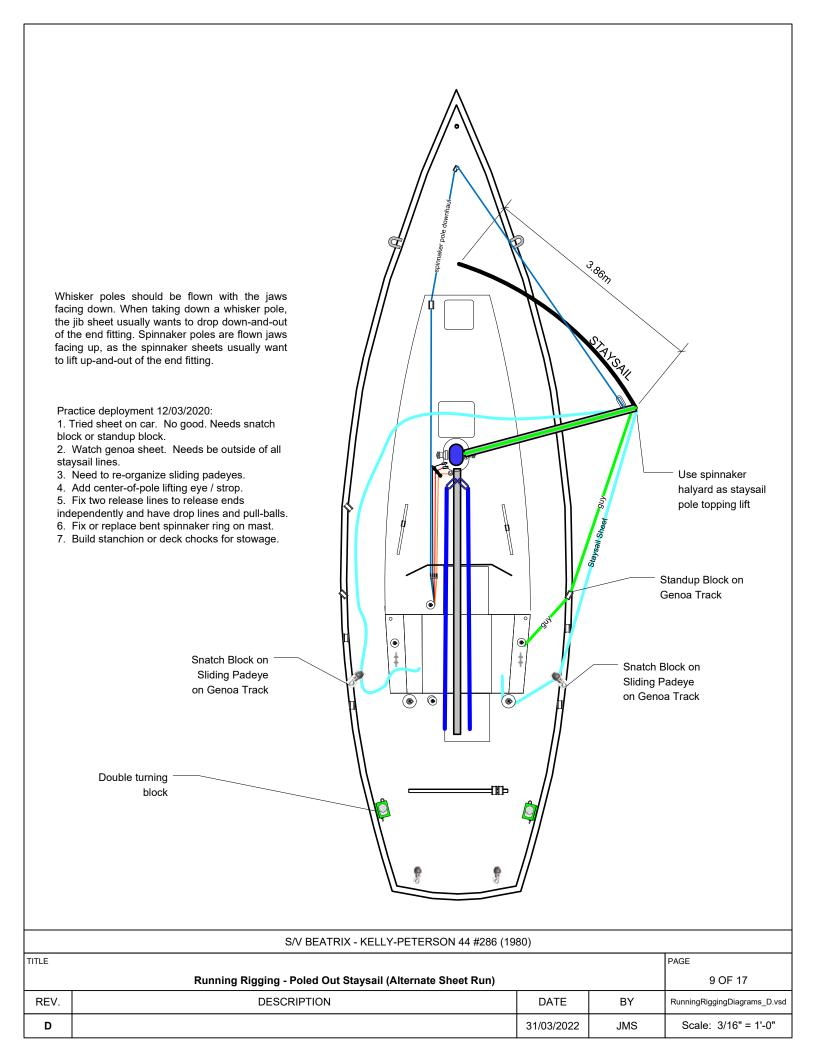


IIILE				PAGE
	Running Rigging - Assym.Spinnaker w/Pole			5 OF 17
REV.	DESCRIPTION	DATE	BY	RunningRiggingDiagrams_D.vsd
D		31/03/2022	JMS	Scale: 3/16" = 1'-0"

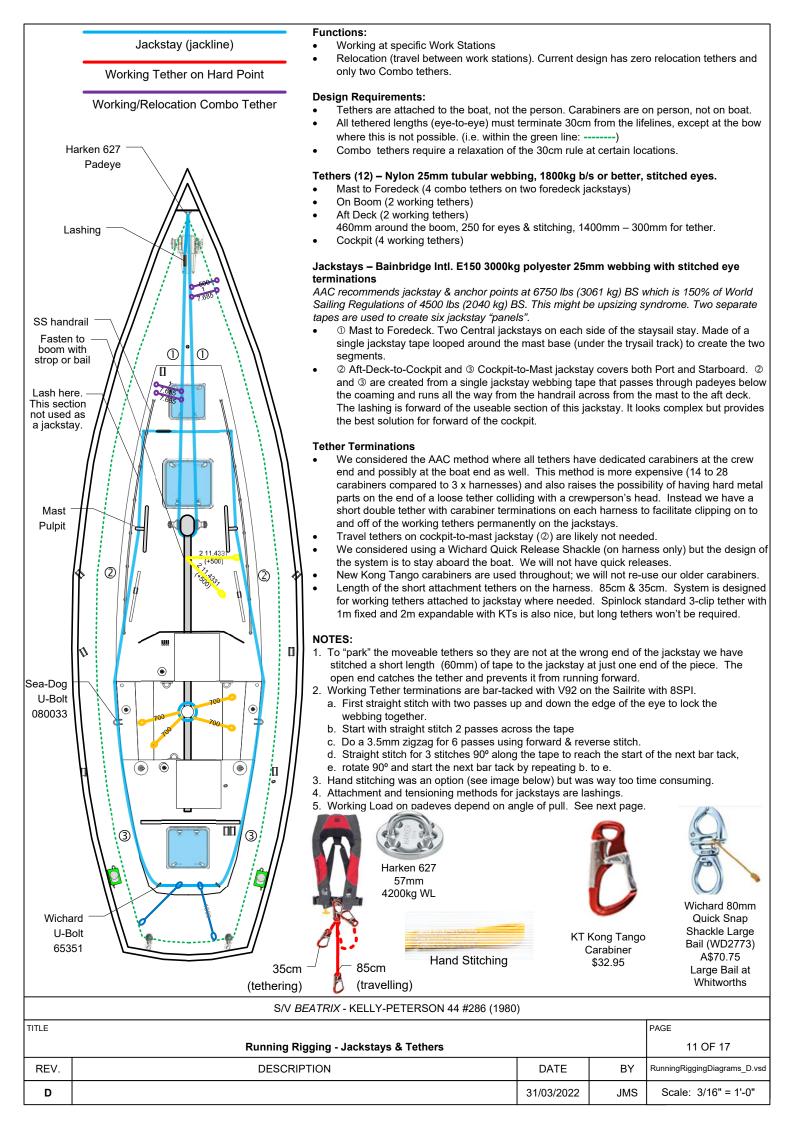








			Run jib sheet through snatch block or LFR on boom end.
S/V BEATRIX - KELLY-PETERSON 44 #286 (19	80)		
TITLE Running Rigging - Poled Out Jib using Boom - No Mainsail			PAGE 10 OF 17
REV. DESCRIPTION	DATE	BY	RunningRiggingDiagrams_D.vsd
	31/03/2022	JMS	Scale: 3/16" = 1'-0"



Padeyes

padeye bails to the load.

Padeyes are great for mounting blocks and are also used as attachment points for staysails, reefing blocks, and hundreds of other items.

Harken offers a range of stainless steel padeyes. The diamond-shaped padeves, 688 and 689, are 316 stainless and often used at mastbases where the diamond shape allows them to be mounted very close together. The 2759 is 316 cast stainless steel. The 627, 629, and 648 padeyes are 17-4 PH stainless.



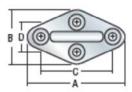
2759



Load

angle

Maximum working load



689

Maximum working load						Breaking load						Fasteners		
Part	1		2	2	3	3		1		2	1	3	(F	H)
No.	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	in	mm
627	5000	2270	4500	2040	4300	1950	10000	4535	9000	4080	8600	3900	1/4	6
629	20000	9070	12000	5440	14000	6350	40000	18140	24000	10890	28000	12700	1/2	12
648	11800	5358	10375	4705	8500	3855	23600	10716	20750	9430	17000	7710	3/8	10
688	3800	1770	5000	2270	4300	1950	7800	3540	10000	4535	8600	3900	1/4	6
689	8500	3855	8000	3628	7800	3540	19000	8618	17200	7800	15600	7075	5/16	8
2759	2550	1156	2392	1086	2450	1111	5100	2313	4784	2172	4900	2222	1/4	6

Part		A	1	В		C		D		E		F	:	G		We	ight
No.	Description	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	oz	9
627	Small round	2 1/4	57			1 1/16	27	1 3/16	30	1 3/16	30	5/8	16	1 5/16	24	4.16	118
629	Large round	3 3/4	95			1 3/4	44	17/8	48	2	51	1 1/16	27	1 3/4	44	23	652
648	High-load medium	3	76			1 5/16	33	1 9/16	40	1 15/16	50	1 1/8	29	1 7/16	37	11	312
688	Small diamond	3 1/8	79	2	51	2 3/8	60	1 1/4	32	1 3/16	30	9/16	14	7/8	22	4.75	135
689	Large diamond	37/8	98	2 5/16	59	2 7/8	73	1 3/8	35	1 9/16	40	7/8	22	1 1/16	27	7.5	213
2759	Padeye/fits 22 mm cars with sheaves	2 1/4	56	3/4	18	1 1/2	38			1	26	9/16	15	5/8	16	1.3	38

DO NOT use Harken equipment for human suspension unless product is specifically certified and labeled for such use.

JACKSTAYS (dimensions in mm) (Overall length may vary for individual boats)	EYE-TO- EYE LENGTH	WRAP AROUND MAST	ADD FOR 2 EYES	CUT LENGT H	QTY	TOTAL MATERIAL LENGTH	COLOR	ATTACHMENT
Mast to Bow	10000	570	440	11010	1	10440	WHITE	HARD POINT
Aft Cabin Top to Cockit to Handrails	10000	570	440	11010	1	10440	WHITE	HARD POINT

TETHERS (dimensions in mm)	EYE-TO- EYE LENGTH	WRAP AROUND BOOM	ADD FOR 2 EYES	CUT LEN	QTY	TOTAL MATERIAL LENGTH	COLOR	ATTACHMENT
Forward Deck	500		440	940	4	3760	PURPLE	JACKSTAY
Boom	900	500	440	1840	2	3680	YELLOW	HARD POINT
Cockpit	800		440	1240	4	4960	ORANGE	HARD POINT
Aft	1000		440	1440	2	2880	BLUE	JACKSTAY
Harness Long	850		220	1070	3	3210	YELLOW	CREW
Harness Short	350		220	570	3	1710	YELLOW	CREW
Harness Double Tether (shared eye at top)	1200		220	1420	3	4260	YELLOW	CREW

NYLON TETHER MATERIAL BY COLOR	LEN	ORDER(m)	COST	EXCESS
PURPLE	3760	4	\$ 12.76	240
YELLOW	7940	11	\$ 35.09	3060
ORANGE	4960	5	\$ 15.95	40
BLUE	2880	3	\$ 9.57	120
		SUBTOTA	\$ 73.37	

EQUIPMEN T	QTY	UNIT PRIC	NET PRICE
Kong Tango Caribiners	6	\$ 32.95	\$197.70
E150 Jackstay Webbing 25mm x 50m roll	1	\$ 75.00	\$ 75.00
Wichard 8mm U-Bolt 65651	2	\$ 40.00	\$ 80.00
Sea-Dog 3/8 " Bow Eye p/n 080033*	2	\$ 23.00	\$ 46.00
* substitue Wichard U-Bolt if desired		TOTAL	\$472.07

D



KT Kong Tango Carabiner \$32.95

31/03/2022

JMS



Wichard U-Bolt 316SS 8mm 2400kg WL 4800kg BS* 10mm 3600kg WL 7000 BS* p/;n 65351



Harken 627 57mm 4200kg WL*

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Sea-Dog Bow Eye 3⁄4" 7250kg BS 304SS p/n 080033

Scale: 3/16" = 1'-0"

S/V BEATRIX - KELLY-PETERSON 44 #286 (1980)				
TITLE				PAGE
Running Rigging - Deck Gear - Jackstay Tethers, Carabiners and Padeyes			12 OF 17	
REV.	DESCRIPTION	DATE	BY	RunningRiggingDiagrams_D.vsd

