



Premium Woven Polyester Sailcloth

New **HSX** offers a super tenacity cloth which combines precision weaving with unique UV stabilised finishing to give a premium product in a choice of finishes.



HSX Premium Woven Polyester Sailcloth

A fully comprehensive range of superior weave sailcloth that delivers exceptional performance, durability and quality thanks to all super tenacity yarns and Bainbridge's unique finish.

Bainbridge **HSX** cloth is finished in our partnership production facility using the latest fill and digitally controlled finishing techniques. It harnesses countless years of experience, knowledge and expertise, combined with the very latest finish and UV inhibitors to provide a sailcloth which is tough and durable with a long service life.

HSX is a tightly packed premium woven cloth thanks to precision weaving techniques and exacting quality control. Offered in three different construction types:

- **Strong Fill**
- **Balanced**
- **Strong Warp**

Bainbridge's unique finishing process has been carefully reformulated to incorporate special UV inhibitors which effectively shield and protect **HSX** from harmful UV degradation, this finishing process has also been refined further to provide up to 4 different types of finish, allowing the sailmaker to select from Hard, Firm, Medium and Soft.

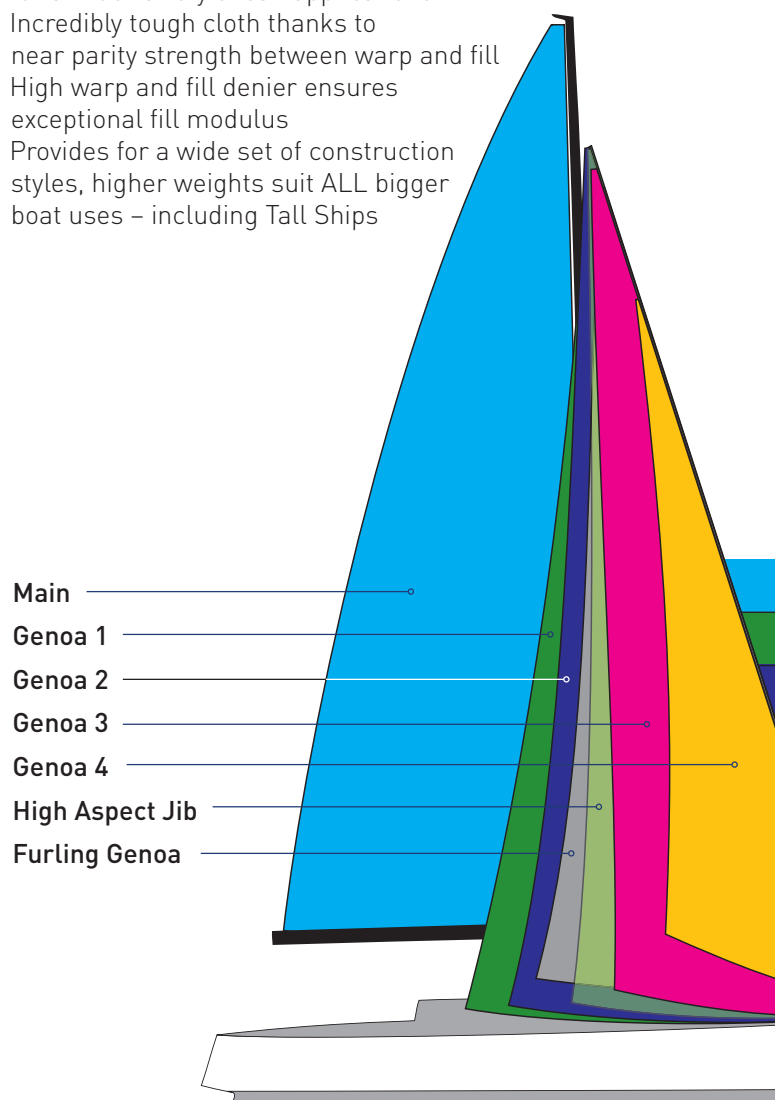
Finish	Handle	Suitability	Equivalent bias rating
H	Hard	One Design Racing	3-6
F	Firm	General use, Charter	6-9
M	Medium	Cruising	9-12
S	Soft	Ocean Cruising	12-15

Strong Fill > 56


- Exceptionally durable thanks to strong composition and special UV inhibitor incorporated in the finishing process
- Strength & Performance
- Multi stage finishing make sails easier to handle and delivers consistent performance
- High Sley fabric which features a high warp count matched with high fill denier to ensure an exceptional fill modulus

Balanced > 22


- Balanced denier construction which allows for a wide variety of sail applications
- Incredibly tough cloth thanks to near parity strength between warp and fill
- High warp and fill denier ensures exceptional fill modulus
- Provides for a wide set of construction styles, higher weights suit ALL bigger boat uses – including Tall Ships



- Super tenacity yarns used in the warp and fill of the construction
- UV shield inhibitors incorporated in the finishing to protect the cloth from harmful UV
- Available in 3 construction types – with menu selection for exact finish - feel/hand

 Natural	Count		Denier		dpi		Finished Weight		Part No:	Select finish: -replaces 'X' at end of part no
	W	F	W	F	W	F	g/m ²	Sm Oz		
HSX 756	89	38	297	850	29370	35889	329	7.6	FWP075600(X)	H/F/M/S
HSX 856	89	41	297	850	29370	38722	353	8.3	FWP085600(X)	H/F/M/S
HSX 956	80	38	450	846	40000	35720	415	9.7	FWP095600(X)	H/F/M/S
HSX 1056	80	35	450	1000	40000	38885	455	10.7	FWP105600(X)	H/F/M/S
HSX 1156	80	33	450	1300	40000	47667	480	11.2	FWP115600(X)	H/F/M/S

Note: All data based on griege unless stated otherwise

 Natural	Count		Denier		dpi		Finished Weight		Part No:	Select finish: -replaces 'X' at end of part no
	W	F	W	F	W	F	g/m ²	Sm Oz		
HSX 422	94	64	150	248	15695	17463	170	3.9	FWP042200(X)	H/F/M
HSX 522	97	46	252	300	27160	15333	223	5.2	FWP052200(X)	H/F/M
HSX 622	97	43	252	500	27160	23889	278	6.5	FWP062200(X)	H/F/M
HSX 722	109	41	300	600	36333	22796	325	7.6	FWP072200(X)	H/F/M/S
HSX 822	80	40	450	750	40000	33333	364	8.5	FWP082200(X)	H/F/M/S
HSX 922	80	38	450	850	40000	35889	415	9.7	FWP092200(X)	H/F/M/S
HSX 1022	58	35	750	1000	48314	38889	451	10.6	FWP102200(X)	H/F/M/S
HSX 1122	58	33	846	1000	54520	36667	483	11.3	FWP112200(X)	H/F/M/S
HSX 1222	47	33	999	1300	52170	47667	524	12.3	FWP122200(X)	H/F/M/S
HSX 1322	45	31	1296	1300	64800	44778	581	13.6	FWP132200(X)	H/F/M/S

Note: All data based on griege unless stated otherwise

Crosscut Sail Application

LOA ft	24-30	30-35	35-40	40-45	45-50	50-55
Main	622	756	856	956	1056	1156
Genoa 1	522	522	622	722	822	922
Genoa 2	622	722	822	922	1022	1122
Genoa 3	622	756	856	956	1056	1156
Genoa 4	756	856	956	1056	1156	1056
High Aspect Jib	622	756	856	956	1056	1156
Furling Genoa	622	722	822	922	1022	1122



Strong Warp > 15

- A warp orientated cloth with good warp modulus ideally suited for radial construction sail designs
- Matched styles allows for 'stepping down' in weight in radial construction
- Special construction featuring balanced denier produces a high warp EPI which ensures a good warp modulus
- Precision control of inline tension during digital finishing process to minimise warp crimp

	Count		Denier		dpi		Finished Weight		Part No:	Select finish: -replaces 'X' at end of part no
	W	F	W	F	W	F	g/m ²	Sm Oz		
HSX 615	105	45	280	556	29400	25000	253	5.97	FWP061500(X)	H/F/M
HSX 715	109	41	330	556	35970	22778	302	7.10	FWP071500(X)	H/F/M
HSX 815	109	36	330	944	35970	34000	342	8.05	FWP081500(X)	H/F/M
HSX 915	80	33	500	944	40000	31167	396	9.26	FWP091500(X)	H/F/M

Note: All data based on Grieg unless stated otherwise

Radial Sail Application

LOA ft	Main	Genoa 1	Genoa 2	Genoa 3	Genoa 4	High Aspect Jib	Furling Genoa
25 - 30	615	615	-	615	615	715/615	615
30 - 35	715/615	715/615	515	715/615	715/615	815/715	715/615
35 - 40	815/715	815/715	615/515	815/715	815/715	915/815	815/715
40 - 45	915/815	915/815	715/615	915/815	915/815	1015/915	915/815
45 - 50	1015/915	1015/915	815/715	1015/915	1015/915	-	1015/915
50 - 55	-	-	915/815	-	-	-	-



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Note: Bainbridge operates a policy of continual improvement and we reserve the right to change specifications without prior notice. In the case of this advance technical data we reserve the right to alter specifications following testing and or manufacturing improvements in the product. Performance data and weights are genuine averages based on a series of production lots - and should be used as a guide.