

UNION SCHWEIZERISCHER YACHTCLUBS

UNION SUISSE DU YACHTING

**Eignerwechsel**

**Changement de propriétaire**

Klasse ..... 5.5 m JI  
 Série .....  
 Segel-Nr. ..... 2 118  
 No de voile .....  
 bisheriger Bootsname ..... Keshan  
 ancien nom du yacht .....  
 neuer Bootsname ..... Hokai  
 nouveau nom du yacht .....  
 Baujahr ..... 1976  
 Année de constr. ....  
 Bauwertf ..... Sommerfeld, (J)  
 Chantier .....

Neuer Eigner .....  
 Nouveau propriétaire .....  
 Name ..... A. Schürch  
 Nom .....  
 Club ..... R.V.B.  
 Adresse .....  
 Adresse .....

Datum ..... 19.7.88  
 Date .....  
 Der Vermesser .....  
 Le jaugeur .....  
 O. Weber

CT. USY. 08.08.88  
 [Signature]

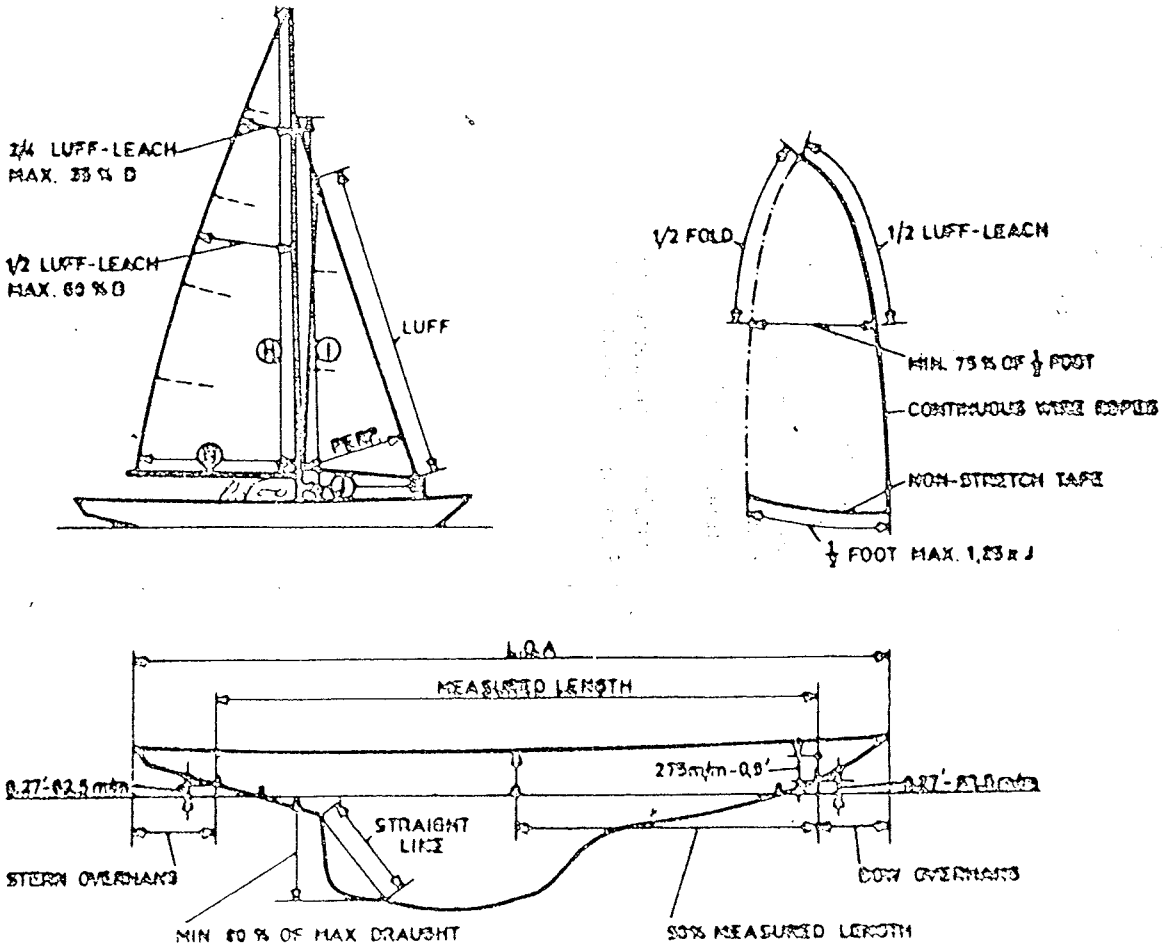
USY-Verm.  
 CH-8802 Kilchberg/ZH  
 Im USY-Register  
 eingetragen am  
 10. AUG. 1988

Nur gültig mit Registrierstempel der USY  
 Valable seulement avec timbre d'enregistrement de l'USY

# CL

Yacht's name	<i>Kestrel</i>	Classification society	<i>Berlin Verker, Tonn</i>
Permanent sail number	<i>Z 118</i>	Expiration date of classification certificate	<i>6. 19 28 / 1987</i>
Owner	<i>H. Hurdelt / H. Baumgart</i>	Measurements or partial remeasurements by N.A. Measurer, signature & date.	<i>USY-Verm.</i>
Owner's club	<i>Y.C.R.</i>		
Designer	<i>Driften Chance</i>		<i>O. Weber</i>
Builder	<i>Sciméfeld, Gernay.</i>		<i>CH-8802 Kilchberg/ZH</i>
Date completed	<i>25. 6. 76</i>		
Condition of water when marks were sighted	<i>fresh</i>		
State fresh or salt	<i>fresh</i>		
Difference in immersion (class rule 5)	<i>7mm</i>	(metres)	
Has designer's or builder's declaration been furnished	<i>yes</i>		
I declare that the particulars given on this certificate are correct at this date		Expiration date of rating certificate	<i>22. 6. 78</i>
Signature of designer or builder		Rated	
Signature of owner or his representative		for	
(The designer or builder is only responsible for measurements at the date they are taken)	<i>Techn. Rate</i>		
Certificate authorised by	<i>der U. Y. K. Flachsmann</i>	(National Authority)	

Im USY-Register  
 eingetragen am  
 7. JULI 1976



RATING FORMULA:  $0.9 \left( \frac{L\sqrt{S}}{12\sqrt{D}} + \frac{L+\sqrt{S}}{4} \right)$  not to exceed 5.5 m or 18.04 ft.

	Actual measures		Rule limits
<b>LENGTH L FOR RATING</b>			
Overall length L.O.A.		4.663	
Bow overhang to L <sub>1</sub>	0.783		
Stem overhang to L <sub>1</sub>	0.815		
Total overhang	add	1.604	
Measured length L <sub>1</sub>		subtract 7.462	
Girth at bow	0.715		
Twice vertical height at bow (=0.550 m or 1.804 ft.)	0.550		
Bow girth difference	subtract	0.165	min. 0.165 m or 0.541 ft. (rule 3)
Girth at stem	1.632		
Twice vertical height at stem	1.044		
Stern girth difference	subtract	0.636	
1/3 stern girth difference	div. by 3	0.212	min. 0.234 m or 0.768 ft. (rule 3)
Length L for rating formula		7.861	
<b>SAIL AREA FOR RATING</b>			
Largest headsail = 0.5 x _____ (luff) x _____ (pomp)		9.600	min. see next page
Mainsail = 0.5 x 10.600 (H) x 3.658 (B)		19.387	min. 26.5 m <sup>2</sup> or 235.0 sq. ft. (rule 7)
Total sail area S		add 28.987	max. 29.0 m <sup>2</sup> or 312.0 sq. ft.
$\sqrt{S}$		5.394	
<b>DISPLACEMENT</b>			
Weight of yacht (date when weighed 11.5.76)		2048	
Displacement D = weight div. by 1025.21 kg/m <sup>3</sup> or 64 lb/cu. ft.			min. 1.7 m <sup>3</sup> or 60.27 cu. ft. (rule 7)
$\sqrt[3]{D}$		1.260	max. 2.0 m <sup>3</sup> or 70.62 cu. ft.
<b>RATING</b>			
Rating calc'd according to formula		5.499	
3 x tumble home excess		-	(rule 14)
FINAL RATING		add 5.50	

RULE PARTICULARS

	Actual <sup>(x)</sup>	Rule limits	Rule No.
<b>HULL</b>			
Immersion checked in salt/fresh water	data 11.1.76		5;27
Weight of inside ballast placed at		xx)	6;33
Beam	4.912	min. 1.90m or 6.23 ft.	7;9
Draft	1.570	max. 1.35m or 4.43ft.	7
Freeboard at bow girth station	0.687		
"    at stern girth station	0.605		
"    at midship mark	0.576		
"    average	1.890	min. 0.63m or 2.06ft.	
Keel, ballast material	lead	lead or iron	10
"    ht. of round at bottom	0.075	max. 75mm. or 3 in.	10
"    width at max. section 1 metre below L.W.L.	0.175	min. 150mm. or 5.9in.	10
Stern angle	0.289	min. 1 in 5.5 = 0.182	12
Round of beams	∅	max. 7mm. in 305mm.	13
Tumble home	∅	or 00.25in. in 12in.	14
2% of max. beam	0.076		
Excess tumble home	subtract →	3 x excess added to rating	14
Area of deck openings	2.25 m <sup>2</sup>	max. 2.25m <sup>2</sup> or 24.25 sq. ft.	24
Cockpit forward of L1 mark	2.395	min. 1.75m or 5.74ft.	25
Breadth of side decks	0.365	min. 35cm or 1.15ft.	24
<b>SAILS &amp; RIGGING</b>			
Height of sailplan above covering board level	4.100	max. 11.10m or 36.4ft.	16
"    " boom (black band) above covering board level	0.502	max. 0.85m or 2.795ft.	17
"    " fore triangle above covering board level (1)	8.850	max. 8.88m or 29.11ft.	16
Base of fore triangle (J) (Deck black band to be checked)	2.692	max. 0.50 x 5	16
Min. headsail for measurement purposes = 0.5 x l x J x 80%	4.560 m <sup>2</sup>		15
Spinnaker, halliard above forestay	5	max. 10cm or 3.9in.	20
"    "    out from mast	30	max. 3cm or 1.18in.	20
"    "    breadth of half the foot	3.365	max. 1.25 x J	20
Storm spinnaker, breadth of half the foot	2.692	max. J	20
Spinnaker boom length	2680	max. J	21
Mast diameter at 1/2 ht. of fore triangle, round mast	136 x 100	min. 11.5cm or 4.52 in.	22
"    "    at deck	136 x 100	min. 10.9cm or 4.30in.	22
"    "    at jib halliards	134 x 88.5	min. 9.2cm or 3.62in.	22
"    "    at top	72 x 62	min. 5.8cm or 2.26in.	22
(The athwartship diameters of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
Weight of mast with fixed fittings	42 kg	min. 40 kgs or 88 lbs	22
Centre of gravity of mast above covering board level	4.875	min. 30% of mast ht.	22
Boom depth	0.501	max. 15.2cm or 6in.	23
Boom width	0.077	min. 3.8cm or 1.5in.	23
<b>MISCELLANEOUS</b>			
Weight of anchor	12 kg	max. 13kgs or 26.45lbs min. 11kgs or 24.24lbs	26
Length of warp	30 m	min. 30m or 16.4 fathoms	26
Top of l marks above water with yacht in racing trim	12		5