Aluminium Bowsprit kit

595-246-E
2023-08-18

Assembly instruction

Tools Required:

Saw	Screwdriver torx
Drill	Hammer
Ø 6.5 mm drill bit	Pop Rivet Gun

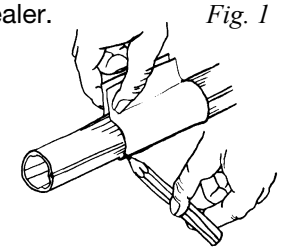
Parts included in kit

Extrusion with outboard end fitted
Inboard end
Fasteners
Pad eyes (screw M6 not incl.)

Assembly

1. Find the correct length, see table 2 (DBS + USL). When in doubt, contact dealer.
2. Mark the length of the extrusion, see table 1 for reductions.
   (Use a paper as a guide as fig. 1). Cut the extrusion.
3. Mark the holes for the rivets, according to table 1.
4. Drill the holes with a Ø 6.5 mm drill bit.
5. Fit the inboard end with pop-rivets and punch out the mandrel heads.

Fig. 1



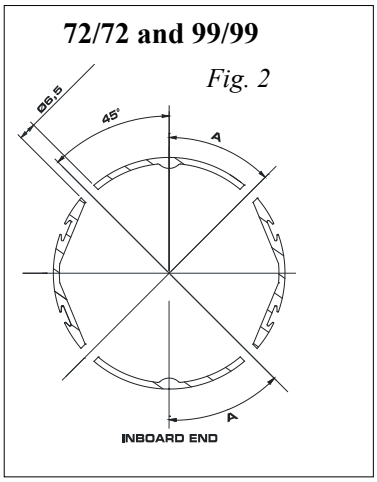


Fig. 2

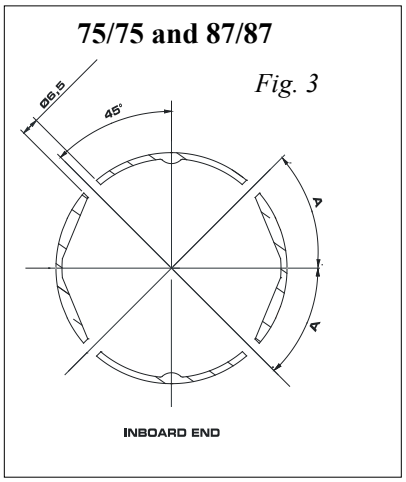
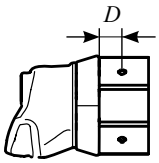
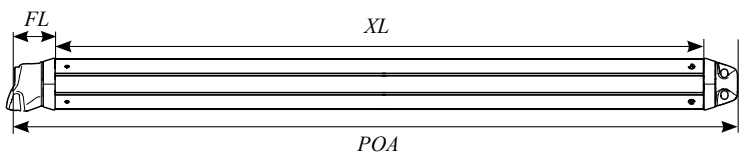


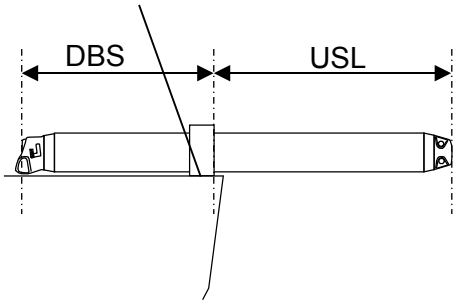
Fig. 3





Bowsprit size	A	D	Extrusion length
G072	29	40	XL = POA - 78
G075	30	40	XL = POA - 78
G087	34	20	XL = POA - 122
G099	39	20	XL = POA - 158
G120	47	25	XL = POA - 63

Tab. 1



Dimensioning (Not appliable for "Code 0" = straight luff)

Tab. 2

RM	Approx. Displ. (Tonnes)	Aluminum Max unsupported lenght. USL					Carbon Max unsupprted length. USL		
		G072	G075	G087	G099	G120	76/76	88/88	89/89
8	1.7	1280					1500		
10	2.1	1090					1500		
12	2.4	960	1700				1462	1500	
14	2.8	860	1520				1311	1500	
16	3.1	790	1390				1194	1500	
18	3.4	720	1280	1640			1098	1453	1500
20	3.7	670	1180	1520			1020	1349	1500
25	4.5	570	1010	1300	1710		871	1152	1452
30	5.2	500	890	1140	1510		76	1013	1277
35	5.9		800	1020	1350		687	909	1145
40	6.7		730	930	1230		626	827	1043
45	7.3		670	850	1130		576	762	959
50	8.0		620	790	1050		535	707	891
55	8.7		580	740	980			661	833
60	9.3		550	700	930			622	783
65	10.0			660	870			588	740
70	10.6			630	830			558	703
75	11.3			600	790			531	669
80	11.9			570	750			508	640
85	12.5			550	720				613
90	13.1			530	700				597
95	13.8				670				589
100	14.4				650				547
105	15.6				630				528
110	16.0				600				511
115	16.1				590				
120	16.7				570				
125	17.3				550				
130	17.9				540				
135	18.5				520				
140	19.0				510				
145	19.6				500				
150	20.2				490				
155	20.7				480				
Min. Distance between support. DBS (mm)		**580**	**600**	**700**	**800**		**620**	**710**	**720**
MSL at inner end (kn)		**2.9**	**4.9**	**5.4**	**6.2**		**2.0**	**2.4**	**2.9**

MSL = Max Service Load. based on minimum DBS. MSL at bow bracket = MSL at inner end x (1 + DBS/USL)