

Installation notes / Sparcraft Bowsprit

1. Kit components / Tools needed for assembly

List of standard kit components



- section with central collar & end fittings
- 2 working deck plates + 4x M8 screws + reinforcing plates



- 1 parking deck plate + 1x M10 screw + round reinforcing plates

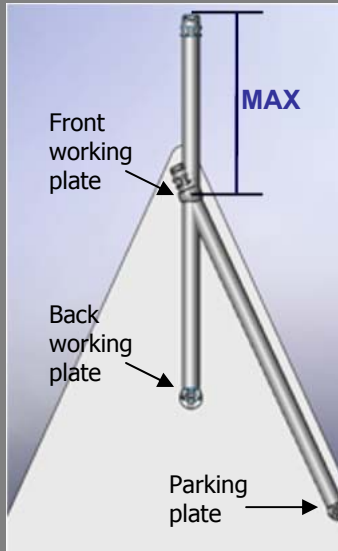


List of needed tools for assembly



- drill
- BTR 5 & 6 allen keys
- Ø8.5 & Ø10.5mm drill bits
- chamfer mills
- torque driver (socket drive Ø 10.7 & Ø13mm)
- silicone

2. Assembly drawing (example) / Marking the maximum outside length



Maximum outside length :

Ø bowsprit section	Longueur utile maximum
70mm	800mm
80mm	900mm
90mm	950mm
100mm	1000mm

Maximum sail area

Boat length	Ø bowsprit section	max asymmetric Spinnaker area	Max Gennaker area*
25'-36'	70mm	60m ²	37m ² *
36'-40'	80mm	82m ²	52m ² *
40'-47'	90mm	102m ²	65m ² *
48'-57'	100mm	130/150m ² *	105m ² *

Marking the maximum outside length (see chart against)

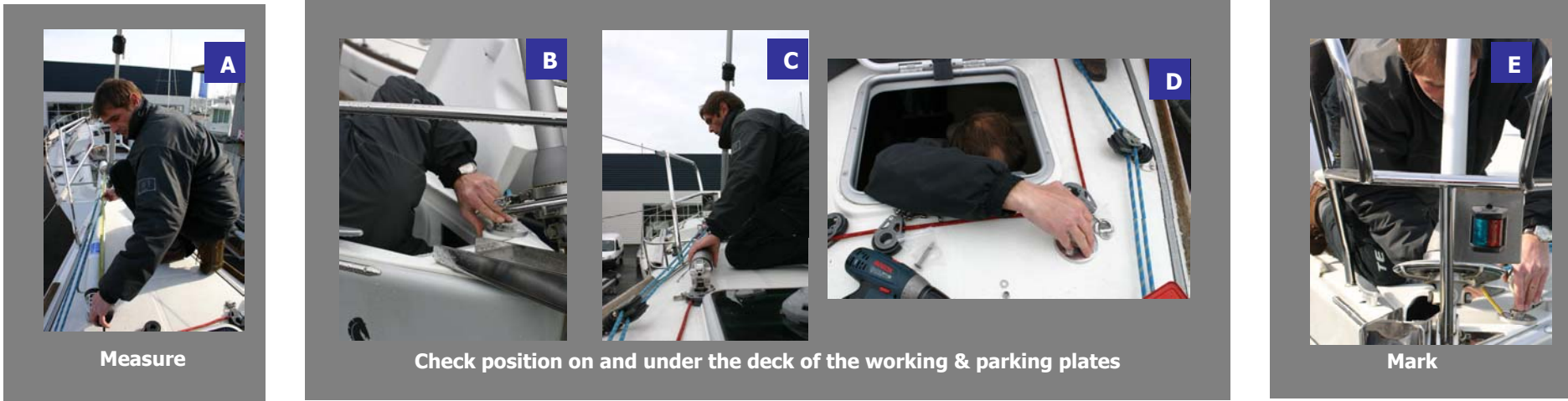


Measure

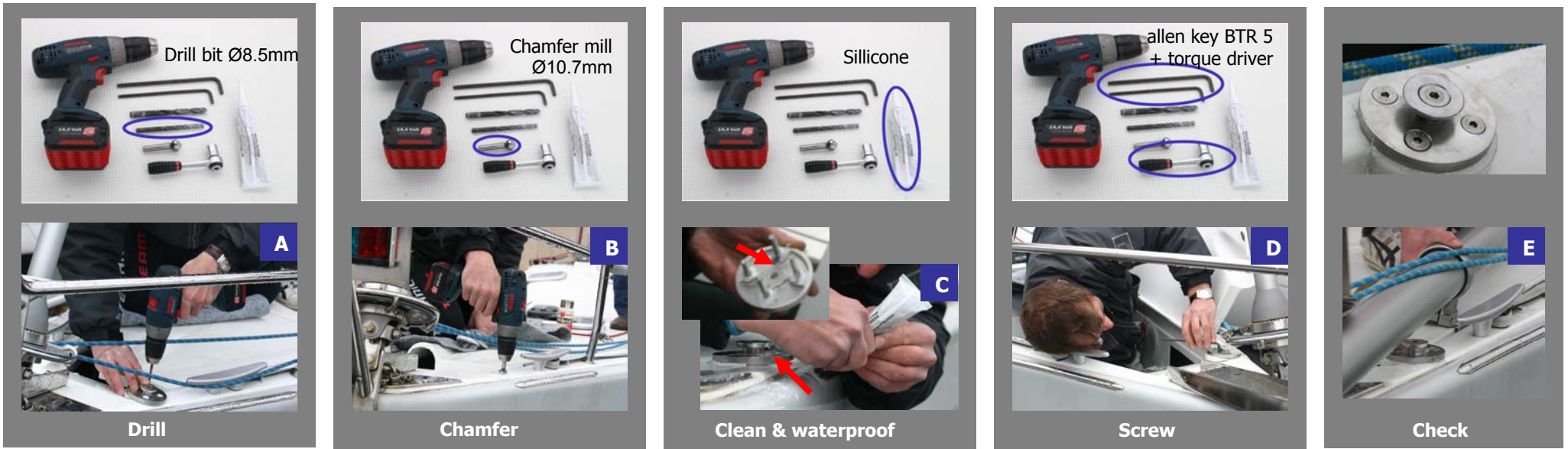


Mark with sellotape

3. Measure on deck and under deck to valid bowsprit position



4. Fixing the front working plate



5. Fixing the back working plate (same instructions as the §3.)

6. Fixing the parking plate



Drill



Chamfer



Clean & waterproof



Screw



Check

7. Installation is over (example on board of an First 36.7)



Working position

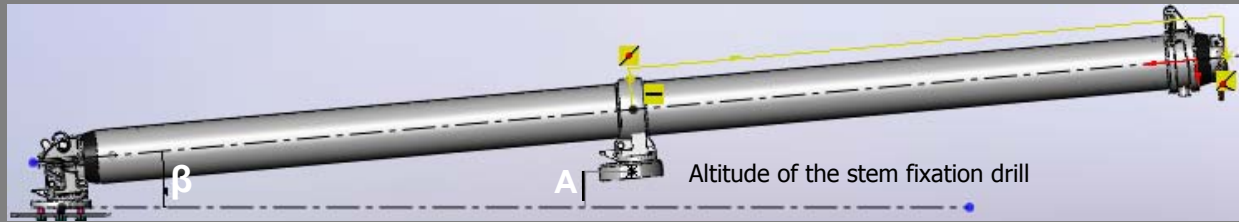


Parking position

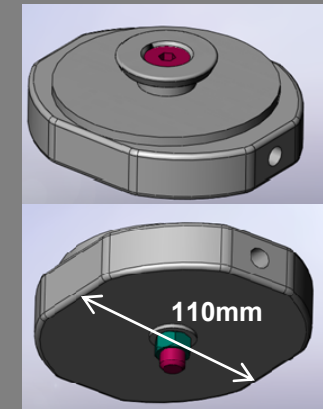


8. Options et accessories

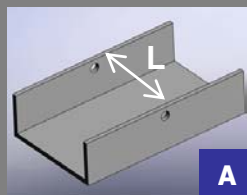
Stem adaptation option



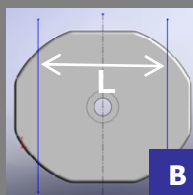
	BDH 70	BDH 80	BDH 90	BDH 100
Outside length	800mm	900mm	950mm	1000mm
β = maximum angle	5°	5°	3.15°	3.15°
A = Altitude of the stem fixation drill	38,5mm	53,5mm	28mm	31mm



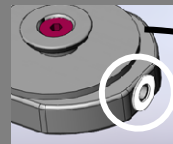
Stem plate delivered pre-fitted



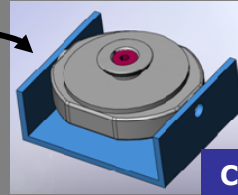
Measure



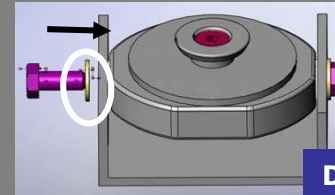
Cut



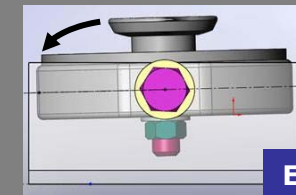
Position



Screw



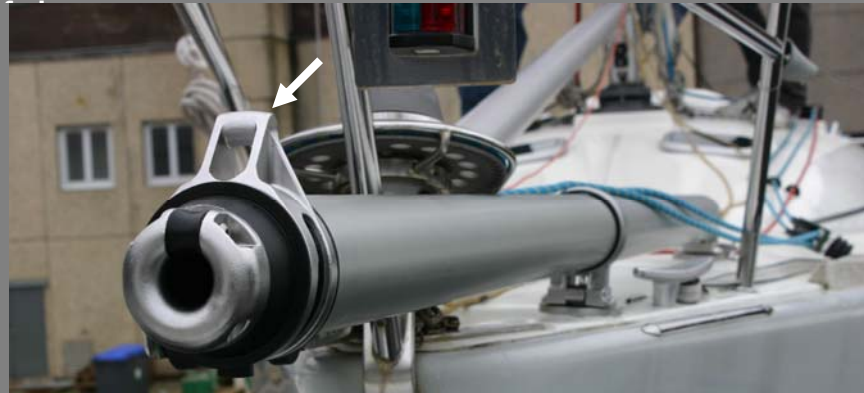
Lean



Secure

Nota: It is possible to fit extra plate underneath the back working plate in order to make it higher.

Option for fitting the Gennaker/Code Zero/Asymmetric Spinnaker



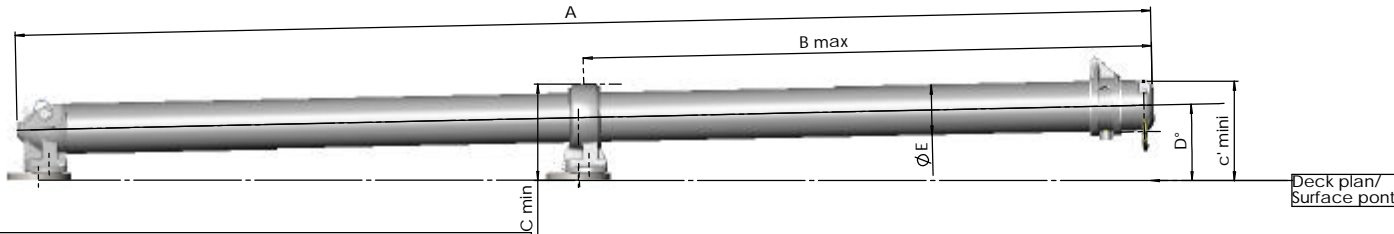
Accessory : plate cover





Bowsprit dimensions / Encombrement de la gamme bout-dehors

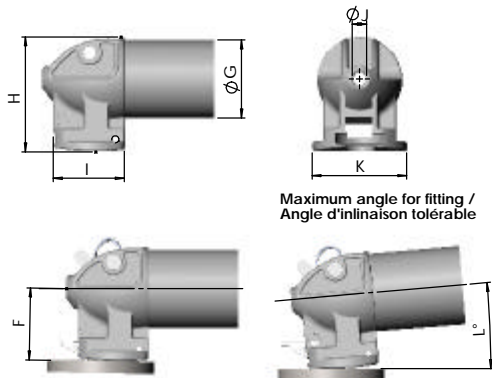
BOWSPRIT INSTALLATION ON DECK / MONTAGE BOUT DEHORS SUR PONT



On deck / Sur pont				
Cotes (mm)	Ø70	Ø80	Ø90	Ø100
A	1600	1800	1900	2000
B	800	900	950	1000
C mini	135,6	135,6	155,6	155,6
C' mini	139,5	151,9	159,8	166
D°	1,3°	1,2°	1,1°	1,1°
ØE	70	80	90	100

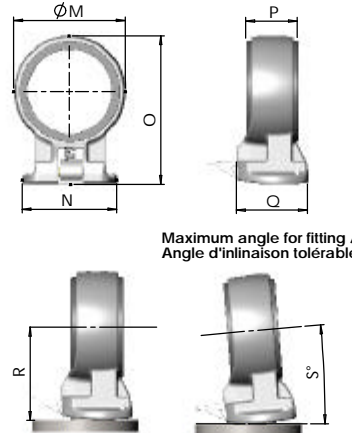
BOWSPRIT FITTING
EQUIPEMENT BOUT-DEHORS

BACK END FITTING / EMBOUT ARRIERE



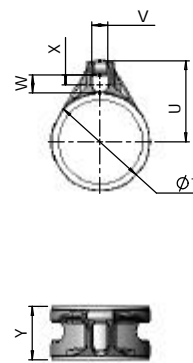
Maximum angle for fitting /
Angle d'inclinaison tolérable

CENTRAL COLLAR / COLLIER CENTRAL

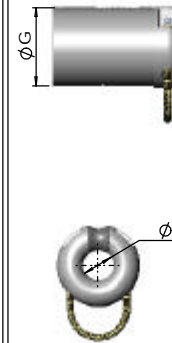


Maximum angle for fitting /
Angle d'inclinaison tolérable

FURLER FITTING RING
/ ATTACHE EMMAGASINEUR



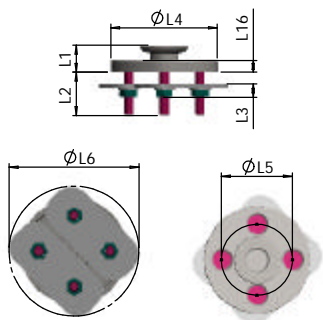
FRONT END FITTING /
EMBOUT AVANT



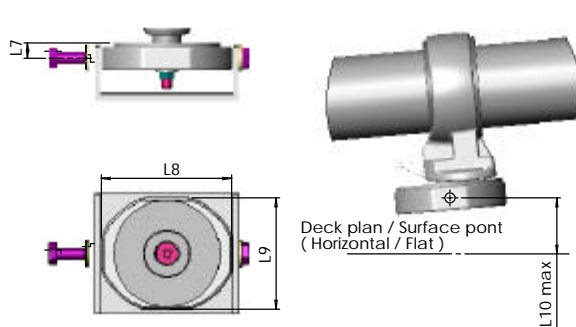
Bowsprit equipement / équipement bout-dehors				
Cotes (mm)	Ø70	Ø80	Ø90	Ø100
Back end fitting / Embout arrière				
F	61,8	61,8	72	72
ØG	66	66	84	84
H	97	97	117,5	117,5
I	60	60	60	60
ØJ	12	12	14	14
K	80	80	80	80
L°	5°	5°	3°	3°
Central collar / Collier central				
ØM	93	93	115	115
N	80	80	80	80
O	125,6	125,6	146	146
P	44	44	44	44
Q	60	60	60	60
R	78,6	78,6	88,5	88,5
S°	5°	5°	3°	3°
Furler fitting ring / Attache emmagasineur				
ØT	83	93	103	113
U	68,5	83,5	93,5	98,5
V	13,5	19	19	19
W	15	19	20	20
X	8,25	12	13,9	13,8
Y	45	45	55	55
Front end fitting / Embout avant				
ØZ	25,6	25,6	29,5	29,5

DECK FITTING
EQUIPEMENT FIXATION

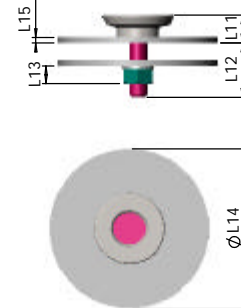
WORKING DECK FITTING / PLOT TRAVAIL



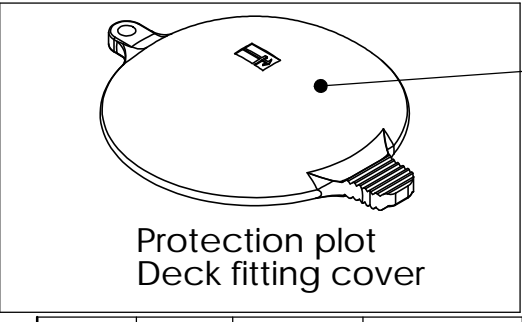
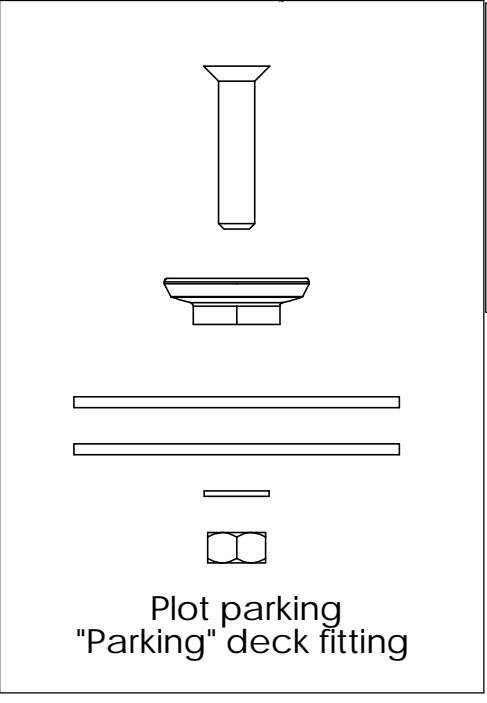
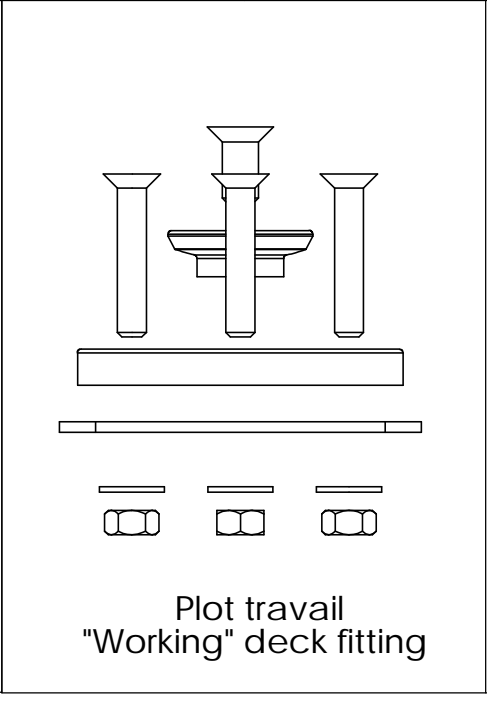
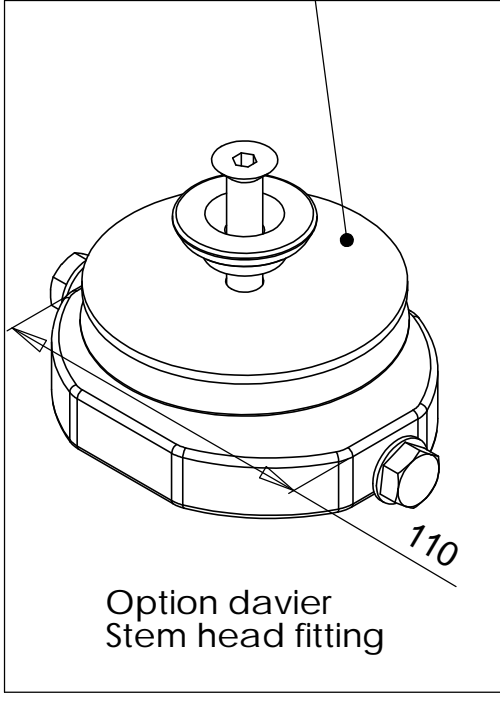
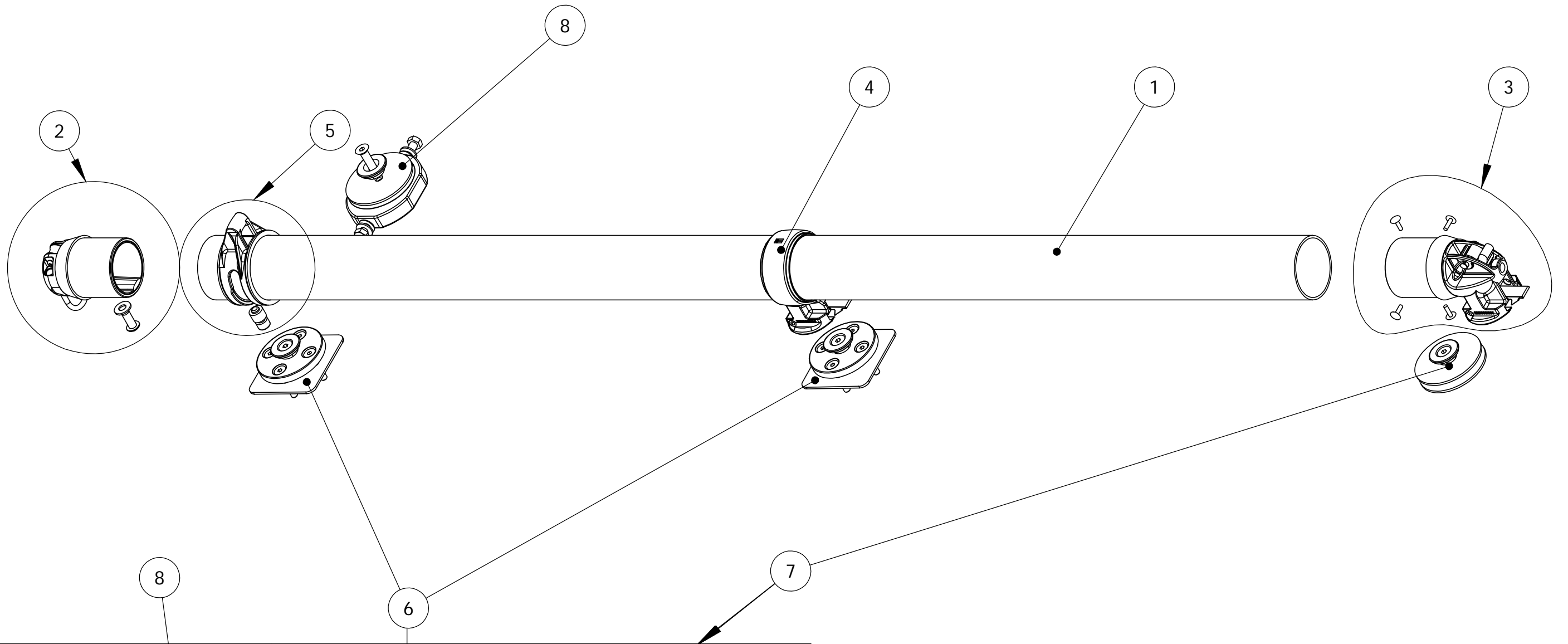
STEM HEAD FITTING / OPTION ADAPTATION DAVIER



PARKING DECK FITTING /
PLOT PARKING



Deck fitting / Equipement de fixation pont				
Cotes (mm)	Ø70	Ø80	Ø90	Ø100
working deck fitting / plot travail				
L1		22,75		
L2		39		
L3		12,3		
ØL4		90		
ØL5		60		
ØL6		109,7		
Stem head fitting / Adaptation Davier option				
L7		13		
L8		110		
L9		94		
L10 max	44,5	53,5	28	28
Parking deck fitting / Plot parking				
L11		15,75		
L12		32,7		
L13		13,3		
Ø L14		90		
L15		3		
L16		10		



Ind Vers.	Date	Auteur Author	Vérificat° Approved	Description de la modification: Change description:
Eclaté bout-dehors Bowsprit exploded drawing				A3
				Ech/Sc:1:5
Date:12/07/2010		Tol. Gén.:+/-0.14		Etude/project
Auteur:J.Chollet		Matière:		Prod°:
Appr.:		Finition/Finishing		Indice/Version:
<p style="text-align: right;">RDM SPARCRAFT Rue Blaise Pascal - ZI de PERIGNY F-17185 PERIGNY CEDEX tel. +33 (0)5 46 45 90 45 fax. +33 (0)5 46 45 36 59</p> <p style="font-size: small;">Ce plan est la propriété intellectuelle de Sparcraft SAS. Il ne peut être divulgué à des tiers sans notre autorisation écrite, ni servir à d'autres fabrications. This drawing strictly belongs to Sparcraft SAS. It cannot be disclosed without our written authorization nor can it be used for other manufactures.</p>				