



ZODIAC

ZODIAC

CADET AERO
240 AERO - 260 AERO

CADET FAST ROLLER ACTI-V
CFR 285 ACTI-V - CFR 325 ACTI-V

CADET FAST ROLLER ACTI-V INT'L
CFR 360 ACTI-V INT'L

Tome 2 – Volume 2
Teil 2 – Tomo 2

ZT03745

Edition 8



LIRE ATTENTIVEMENT CE MANUEL AVANT LA MISE EN SERVICE DE VOTRE ZODIAC.
CAREFULLY READ THIS MANUAL BEFORE OPERATING YOUR ZODIAC.
LEGGERE ATTENTAMENTE PRIMA DE INIZIARE IL MONTAGGIO DEL VOSTRO ZODIAC.
VOR INBETRIEBNAHME IHRES ZODIAC VORLIEGENDES HANDBUCH AUFMERKSAM LESEN.
LEER CUIDADOSAMENTE ESTE MANUAL ANTES DE PONER EN SERVICIO SU ZODIAC.



- CAREFULLY READ THIS MANUAL BEFORE OPERATING YOUR BOAT.
- THIS OWNER'S MANUAL IS IN TWO VOLUMES THAT MUST BE KEPT TOGETHER.

NOTICE:

THE OWNER'S MANUAL IS IN TWO VOLUMES:

- **VOLUME 1**
DEALS WITH OPERATING PRECAUTIONS AND SAFETY RECOMMENDATIONS THAT MUST BE OBSERVED.
- **VOLUME 2**
DEALS WITH TECHNICAL SPECIFICATIONS AND ASSEMBLY PROCEDURE OF THE BOAT AND ITS EQUIPMENT.

VOLUME 2
TECHNICAL SPECIFICATIONS - ASSEMBLY PROCEDURE

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ASSEMBLY PROCEDURE

We recommend that you follow the specific order of the assembly procedure. Proceed step by step and refer to the corresponding pages.

PROCEDURE	PAGE	SECTION
1. inventory the elements composing your boat, and learn how to recognise them	2	CHECK ON UNPACKING
	I - V	DESCRIPTION
2. Install the stowage box (Model Int'L only)	3	ASSEMBLY
3. activate valves into inflating position	5	INFLATION SYSTEM
4. install the H2P floor in the boat	4	ASSEMBLY
5. Begin inflation of the boat. (not completely)	6	INFLATION
6. Inflate the H2P floor to correct pressure	6	INFLATION / PRESSURE
7. Install the seat	8	ASSEMBLY OF EQUIPMENT
8. finish inflation of the boat to the correct pressure	6- 7	INFLATION / PRESSURE
9. Install the oars	8	ASSEMBLY OF EQUIPMENT

CHECK ON UNPACKING

 CAUTION	DO NOT USE A SHARP TOOL
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The pack must contain: 1 buoyancy tube +

CADET	Aero 240	Aero 260	CFR 285 acti-v	CFR 325 acti-v	CFR 360 acti-v – Int'L
Inflatable floorboard H2P + keel	X	X			
Acti-V floorboard (built-in keel)			X	X	X
Repair kit	X	X	X	X	X
Owner's manual *	X	X	X	X	X

Standard equipment					
Removable wooden seat	X	X	X	X	X
Carry bag	X	X	X	X	X
Reinforced aluminium oar	2	2	2	2	2
Fuel tank strap	X	X	X	X	X
High pressure foot pump	X	X	X	X	X
Stowage box Int'L (with bag)					X

* 2 volumes

You can equip your boat with many optional accessories (transportation wheels, boarding ladder, lifting rings etc.). Ask your dealer to advise you.

BOAT ASSEMBLY



CHOOSE A SMOOTH, CLEAN SURFACE.
IF THE BUOYANCY TUBE WAS STORED AT A TEMPERATURE BELOW 0°C / 32°F,
LEAVE IT AT 20°C / 68°F FOR 12 HOURS BEFORE UNFOLDING.

INSTALLING THE REMOVABLE RECESSED STOWAGE BOX (INT'L SYSTEM ONLY).



THE STOWAGE BOX MUST BE INSTALLED ON ITS FLANGE BEFORE INFLATING THE MAIN BUOYANCY TUBE.

IF THE TUBE IS INFLATED WITHOUT THE BOX, THE POCKET PROVIDING SEALING INTEGRITY MAY BE DAMAGED.



TO LOCK THE BOX ON ITS FLANGE, INSERT THE BOX LUGS INTO THE CORRESPONDING SOCKETS ON THE FLANGE.
CAUTION THERE IS A PREFERENTIAL POSITION (LOCK SLOT TOWARDS THE INSIDE AND IN THE BOAT'S LONGITUDINAL CENTERLINE) TO ALLOW THE BOX TO BE TURNED TO ITS LOCKED POSITION.

CAUTION:
THE BOAT MUST BE DEFLATED FOR THE INSTALLATION
THE BOAT MUST NEVER BE INFLATED WITHOUT THE BOX BEING INSTALLED.

- 1- Insert the box into the buoyancy tube flange. The lock closing slot must be in the boat's longitudinal centerline and towards the inside of the deck
- 2- Lock the box by turning it through a 1/6th of a turn in the clockwise direction.
- 3- Make sure that the box is properly locked and fully home. You can then inflate the boat
- 4- Always use the key to open or close.



REMOVING THE REMOVABLE RECESSED STOWAGE BOX.



IT IS ESSENTIAL TO DEFLATE THE BOAT (ZERO PRESSURE) BEFORE REMOVING THE REMOVABLE BOX.

TO FOLD THE BOAT AFTER DEFLATING IT, FIRST REMOVE THE REMOVABLE BOX (following the assembly procedure in the reverse order).

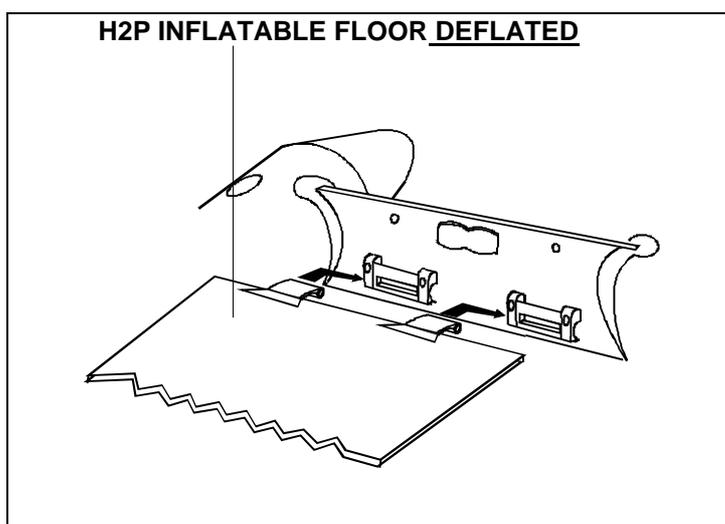
ASSEMBLY

Choose a smooth and clean surface.



IF THE BUOYANCY TUBE WAS STORED AT A TEMPERATURE BELOW 0°C / 32°F, LEAVE IT AT 20°C / 68°F FOR 12 HOURS BEFORE UNFOLDING.

THE H2P INFLATABLE FLOOR:



Your boat is delivered with the inflatable floor and its keel already assembled.



Cadet fast roller Acti-V - Air floor Inflating procedure:

- Before inflating, open out the boat and position the keel on the central band of the bottom and on the floorboard axis (centered between the positioning pins).
- **FIRST** inflate the keel-floorboard assembly to its rated pressure.
- Check that the keel inflated perpendicular to the floorboard and that it is still positioned on the central band of the bottom (otherwise, reposition).
- Inflate the main buoyancy tube.
- Press the floorboard down around the edges to fit it into the hollow of the angle.

MAINTENANCE / DISMANTLE OF THE H2P INFLATABLE FLOOR

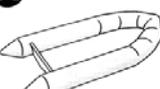
We recommend that you leave the H2P floor in the boat when folding.
To clean perfectly the boat proceed as follow :

Deflate the boat and the floor.
inflate again the boat a little.

Wash off with clear water, then raise the boat's nose to evacuate water and sand or rubbish.
Do not separate the keel from the floor nor from the bottom.

INFLATION SYSTEM

THE HIGH PRESSURE FOOT-PUMP

A  MAX  MAX PRESSURE 0,3 bar (4,4 psi)	B  MAX  MAX PRESSURE 1,0 bar (14,7 psi)	
A 	A + B 	C 

Position A

The pump has maximum flow but low pressure: this position is used to give shape rapidly to all inflatable parts of the boat.

Position B

The flow is inferior to position A, but provides pressure that is superior, with the same effort.

Position C

To deflate. Insert the tube as indicated in figure C and pump normally.

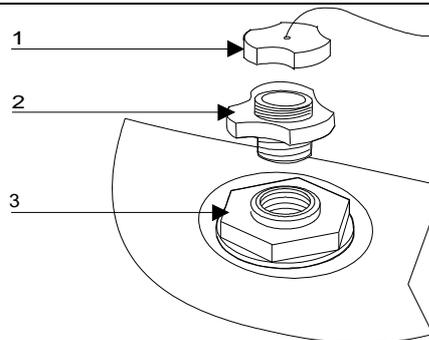
ENGLISH

THE STANDARD VALVES

(1) cap (2) valve insert (3) base

To activate the standard valves into INFLATION position:

- Free the valve insert from its protection.
- Unscrew the valve cap.
- Screw the valve support onto its base (screw it tight but without exaggeration, not to deteriorate the screw thread) and check that the valve cap stays accessible.

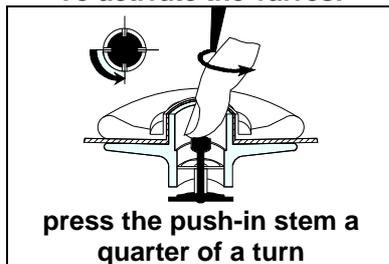


TO DEFLATE:

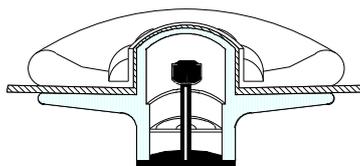
Unscrew the valve support from its base

THE SEMI-RECESSED VALVES

To activate the valves:

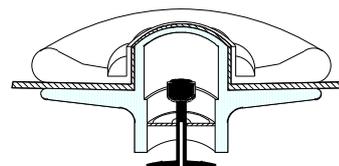


Inflation position



diaphragm closed, the inner button springs upwards

Deflation position



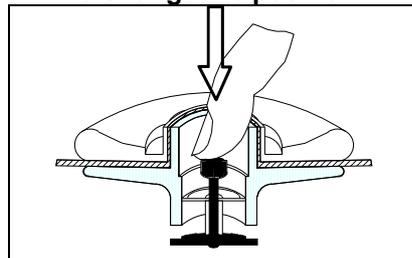
diaphragm open, the inner button goes down

NOTICE:

TO SCREW OR UNSCREW THE VALVE CAPS, TURN WITHOUT PRESSING OR FORCING (THIS COULD UNSCREW THE INNER VALVE SYSTEM).

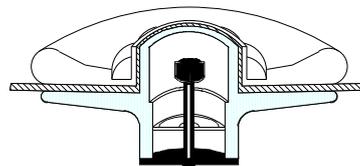
THE VALVES « EASY – PUSH ».

To change the position:



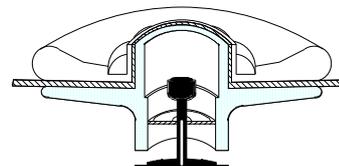
Push / Push

Inflation position



diaphragm closed, the inner button springs upwards

Deflation position



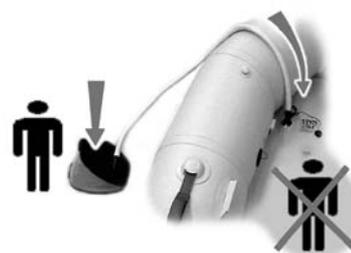
diaphragm open, the inner button goes down

INFLATION

Activate all valves into inflation position.

Fit the hose to the foot-pump.

To inflate your boat properly, the bottom side of the foot-pump must rest on a flat ground. Pump evenly to inflate rapidly.



 CAUTION	<p>DO NOT USE A COMPRESSOR OR A BOTTLE OF COMPRESSED AIR</p>
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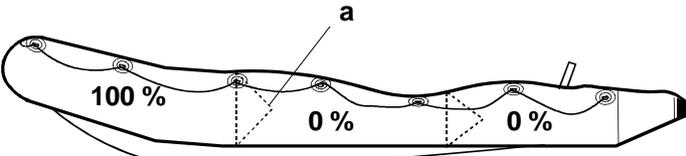
A - INFLATE THE FLOOR (AERO) OR THE ACTI-V FLOORBOARD / KEEL ASSEMBLY

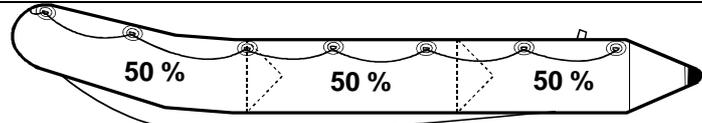
1. **Activate the valve into inflating position.**
2. **Inflate** in position **A (cap inserted)** until it becomes difficult to operate.
3. **Finish** inflation in position **B (cap removed)** until you reach correct pressure (800 mb–11.3 PSI)

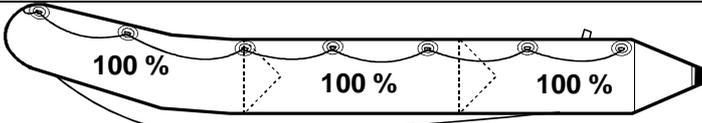
B - INFLATE THE MAIN BUOYANCY TUBE

 CAUTION	<p>MAXIMUM PRESSURE IN THE MAIN BUOYANCY TUBE: 240 MBARS (3.48 PSI)</p> <p><u>NEVER USE POSITION B TO INFLATE THE MAIN TUBE OR THE KEEL : THERE WOULD BE A RISK OF BURST.</u></p>
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1. Insert the pump hose end piece (add to the semi-recessed valve the correct connecting tip).
2. Inflate the main buoyancy tube and the keel (**in position A - cap inserted**) until it becomes difficult to operate. (correct pressure = 240 mb / 3.48 PSI), refer to PRESSURE section making sure that each compartment is equal. When correctly inflated, the compartments bulkheads are not visible.

	<p>NEVER INFLATE A COMPARTMENT TO FULL PRESSURE IF OTHER COMPARTMENTS ARE TOTALLY DEFLATED</p>	
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	<p>1</p>	
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	<p>2</p>	
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INFLATE THE KEEL (AERO RANGE only)

- **Once the H2P floorboard is installed, inflate the keel (240 mb).**

Inflation is over: fit the valve caps tight (clockwise).

<p>NOTICE :</p>	<p>A slight air-leak before screwing the valve caps is normal. ONLY THE VALVE CAPS CAN ENSURE FINAL AIR TIGHTNESS.</p>
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PRESSURE

The correct pressure for the buoyancy tube and the AirLite keel is 240 mb / 3,48 PSI, and 800 mb / 11,3 PSI for the H2P inflatable floor.

If your boat is not equipped with an **ACCESS** pressure indicator, we recommend that you purchase one from your Dealer. This will permit a quick and efficient control of the pressure during inflation. Without a pressure indicator, stop inflating when the foot-pump gets difficult to operate, and the boat is « hard » (you should not be able to bend the cone ends).

Ambient temperature of air and water have an effect on the boat's internal pressure

Ambient temperature	tubes' internal pressure
+1°C / +1,8°F	+4 mb / 0,06 PSI
-1°C / -1,8°F	-4 mb / 0,06 PSI

Therefore, it is important to anticipate:

Because of temperature variations (especially when this variation is important between the beginning and the end of the day, in hot areas) check and adjust the pressure in the inflated compartments by inflating or deflating. Be sure that pressure remains within the recommended pressure, between 220 mb / 3,10 PSI and 270 mb / 3,85 PSI.

RISK OF UNDERPRESSURE

EXAMPLE: Your boat is in direct sunlight on the beach (temperature =50°C/122°F) at recommended pressure (240 mb/3,48 PSI). after putting it in the colder water (temperature =20°C/68°F), the internal temperature and pressure of the tubes will both drop (up to 120 mb/1,7 PSI) and **YOU WILL HAVE TO INFLATE AGAIN** until you regain the lost pressure due to the difference in temperatures. Therefore, a loss of pressure, at the end of the day when ambient temperature drops, is perfectly normal.

NOTICE :

Proper inflation is critical to the performance of the boat. It is the pressure in the tubes that gives your boat the necessary rigidity to perform well. Under-inflation causes improper flexing of the tubes which will result in stress and chafe

RISK OF OVERPRESSURE

EXAMPLE: Your boat is inflated to the recommended pressure (240 mb/3,48 PSI) at the beginning of the day (low ambient temperature =10°C/50°F). Later in the day, your boat is in direct sunlight on the beach or on a yacht's deck (temperature =50°C/122°F). Internal temperature of all inflated compartments can then increase and reach up to 70°C/158°F (especially for dark-coloured tubes). The consequence will be a doubling of previous pressure (480 mb/6,8 PSI). **YOU WILL THEN HAVE TO DEFLATE** until you reach the recommended pressure.



WHEN YOUR BOAT IS OVER INFLATED, PRESSURE BECOMES TOO STRONG FOR THE INFLATABLE STRUCTURE, AND COULD CAUSE A BREAK IN THE FABRIC ASSEMBLY

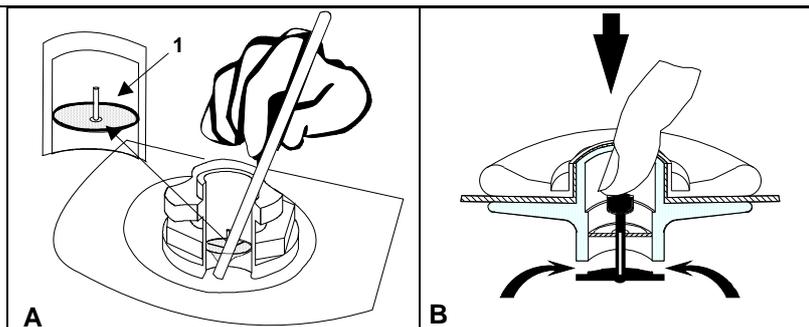
IN CASE OF OVERPRESSURE

STANDARD VALVE (A):

Free some air by pushing on the diaphragm (1) with a blunt object. Beware not to fold down the diaphragm.

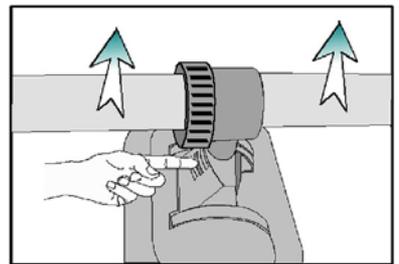
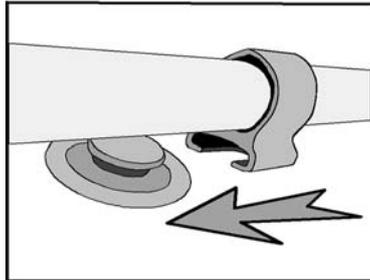
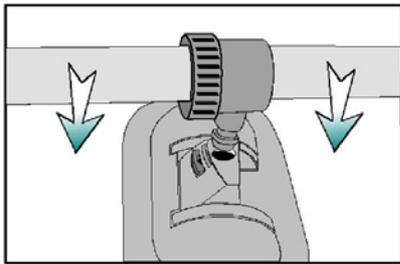
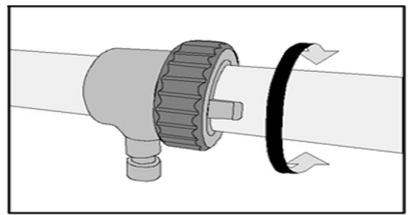
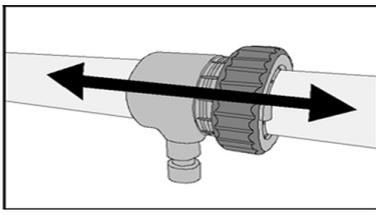
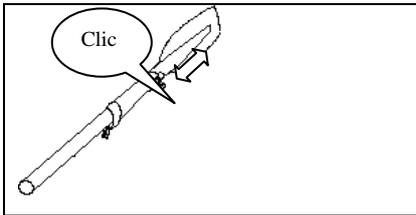
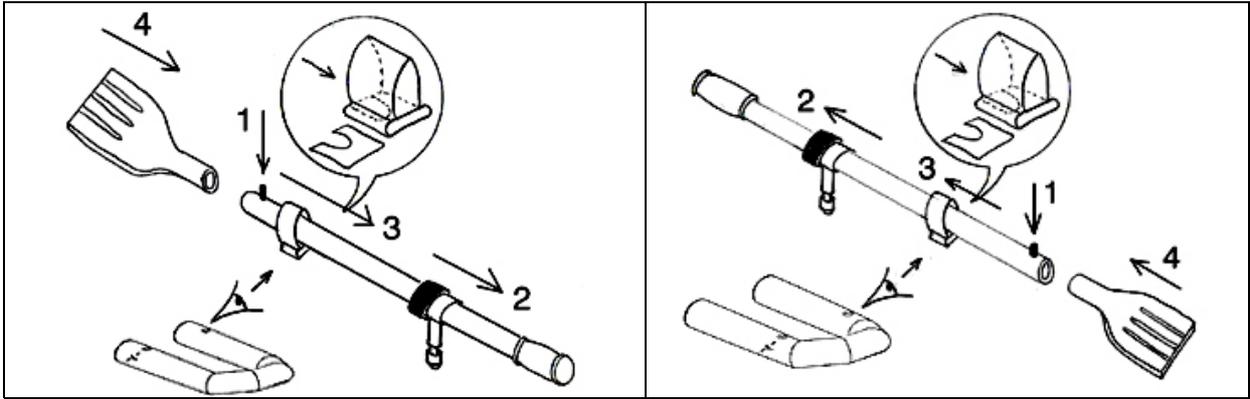
SEMI-RECESSED OR "EASY PUSH" VALVE (B):

Deflate by pressing the spring loaded button.



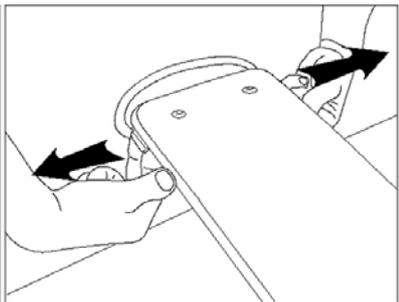
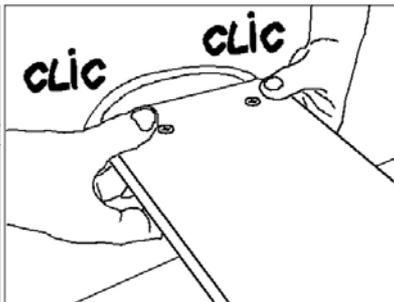
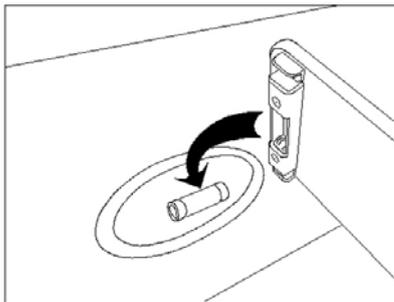
ASSEMBLY OF STANDARD EQUIPMENT

TO ASSEMBLE AND INSTALL THE OARS:



THE REMOVABLE SEAT

Install the seat before the boat is totally inflated.

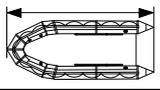
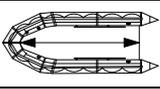
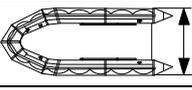
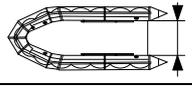
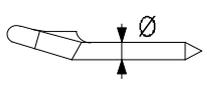




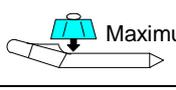
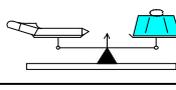
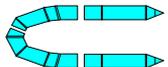
DESCRIPTION - DESCRIZIONE - BESCHREIBUNG - DESCRIPCIÓN

Cadet Aero Cadet FR Acti-V	240	260	285	325	360 – Int'L
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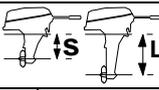
Dimensions - Dimensions - Dimensioni - Abmessungen - Dimenciones

	(m)	2.40	2.60	2.85	3.25	3.60
	(ft)	7'10"	8'6"	9' 4"	10' 8"	11' 10"
	(m)	1.55	1.72	1.91	2.29	2.67
	(ft)	5'1"	5'7"	6' 3"	7' 6"	8' 9"
	(m)	1.54	1.61	1.68	1.68	1.74
	(ft)	5'1"	5'3"	5' 6"	5' 6"	5' 9"
	(m)	0.70	0.70	0.78	0.78	0.84
	(ft)	2'3"	2'3"	2' 7"	2' 7"	2' 9"
	(m)	0.36	0.40	0.45	0.45	0.45
	(ft)	1'2"	1'3"	1' 6"	1' 6"	1' 6"
		1'3"	1'5"			

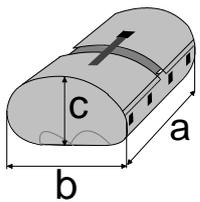
Capacité - Capacity - Capacità - Kapazität - Capacidad

 (ISO)		3	3+1	4	5	6
 Maximum	Kg*	290	370	450	490	750
	Lb.*	639	815	992	1080	1653
	Kg**	23	25	31	36	39
	Lb.**	51	55	68	79	86
		2+1+1	2+1+1	2+1	2+1	3+1

Motorisation - Outboard data - Motorizzazione - Außenbordmotor - Motorización

		S	S	S	S	S
	Maximum CV***	4	4	8	10	15
	Maximum kW***	3	3	6	7.5	12
	Medium CV***	4	4	6	8	10
	Medium kW***	3	3	4.5	6	8
	kg	27	27	27	42	52
	Lb	60	60	60	93	115

Encombremet - Storage dimensions - Ingombro - Packmaße - Dimenciones

	a	1.00	1.00	1.15	1.15	1.20
		3'3"	3'3"	3' 9"	3' 9"	3' 11"
	b	0.50	0.55	0.60	0.60	0.65
		1'8"	1'10"	2'	2'	2' 2"
	c	0.22	0.30	0.35	0.40	0.40
		9"	1'	1' 2"	1' 4"	1' 4"

 (94/25 – 03/44)	-	D	D	C	C
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DESCRIPTION - DESCRIZIONE - BESCHREIBUNG - DESCRIPCIÓN

NOTE NOTICE : NOTA : HINWEIS :	Toutes les mesures indiquées sont susceptibles de varier de + ou - 3% All dimensions indicated have a tolerance of +/- 3% Tutte le dimensioni indicate hanno una tolleranza del +/- 3% Alle angegebenen Abmessungen haben eine Toleranz von +/- 3%. Todas las dimensiones tienen una tolerancia de +/- 3% <i>Poids, weights, pesi, Gewichtsangaben : +/- 10 %</i>
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* The maximum payload has been calculated according to ISO standards. Operating at or near maximum payload is only advised in calm water and at reduced speeds.

** The weights indicated do not include any accessories except stowage box.

*** (CV=HP=PS) The spread of engine sizes corresponds to the efficient use of the boat with an average load. The minimum power is exploitable in relaxed activities, such as fishing, while the maximum recommended power is destined for performance activities such as water-skiing.

Where the maximum power exceeds the recommended power it must be treated with extreme care.

* La charge maximale autorisée a été calculée selon la norme ISO. Il est recommandé de naviguer avec précaution lorsque le bateau est chargé au maximum.

** Poids indiqués hors accessoires mais avec boîte de rangement

*** Les puissances conseillées correspondent à une exploitation optimale des capacités du bateau pour une charge moyenne. Selon l'utilisation, vous choisirez la puissance maximale (ski nautique) ou minimale (pêche, promenade).

Utilisez la puissance maximale autorisée avec une extrême prudence (voir Tome 1 du manuel chapitre "Conseils de navigation").

* La portata massima autorizzata è calcolata in conformità alla normativa ISO. In condizioni di massimo carico si raccomanda di navigare con particolare prudenza.

** Pesi s'intendono accessori esclusi

*** Le potenze suggerite corrispondono ad uno sfruttamento ottimale delle capacità del battello, in condizioni medie di carico. In funzione del tipo di utilizzo prevalente, potrà essere preferita la motorizzazione massima (sci nautico) o minima (pesca, impiego familiare).

La potenza massima autorizzata deve essere sfruttata con prudenza.

* Die zulässige Nutzlast wurde gemäß ISO-Normen berechnet. Fahren mit oder nahe der zulässigen Nutzlast ist nur empfehlenswert in ruhigem Wasser und mit reduzierter Geschwindigkeit.

** Die Gewichtsangaben beinhalten kein Zubehör

*** Die Bandbreite der Motorleistung entspricht einer optimalen Nutzung des Bootes bei durchschnittlicher Zuladung. Die minimale Motorleistung ist für entspannende Tätigkeiten wie Angeln, während die maximal empfohlene Motorleistung für hohe Fahrleistung wie Wasserski bestimmt ist.

Ist die zulässige Motorleistung größer als die empfohlene, muß mit äußerster Vorsicht gehandelt werden.

* La carga máxima autorizada se ha calculado según la norma ISO. Se recomienda navegar con precaución cuando la embarcación esté cargada al máximo.

** Pesi s'intendono accessori esclusi

*** Las potencias aconsejadas corresponden a una explotación óptima de las capacidades de la embarcación para una carga media. Según la utilización, escogerá la potencia máxima (esquí náutico) ó mínima (pesca, paseo).

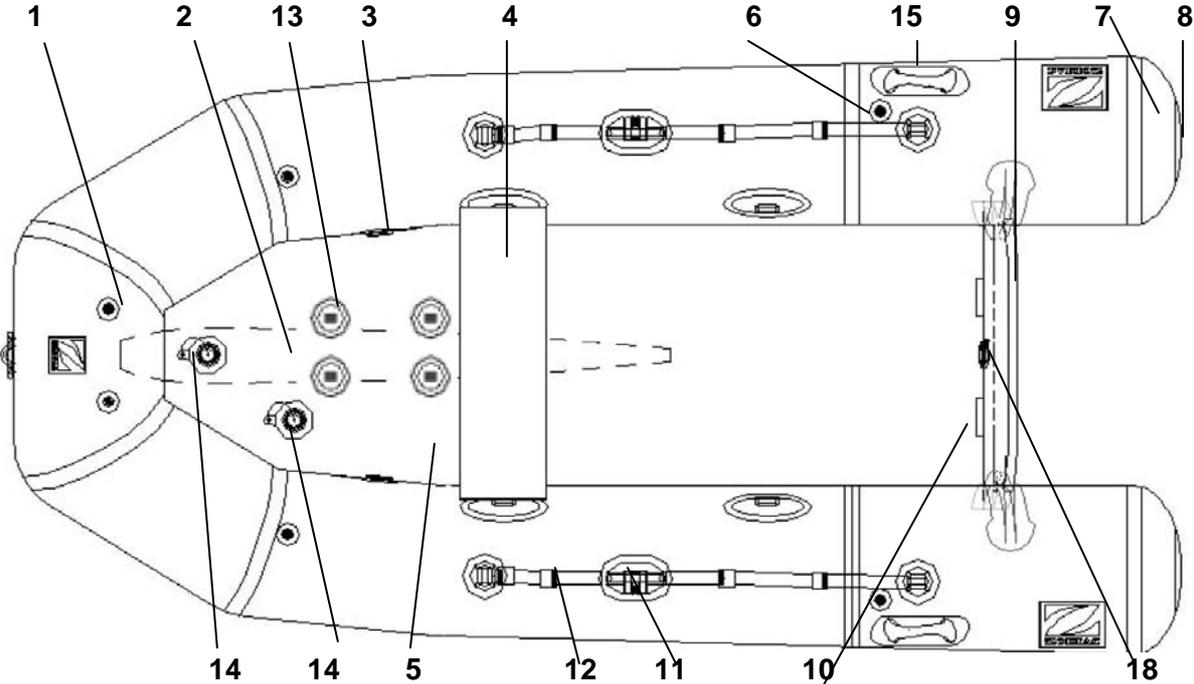
Utilice la potencia máxima autorizada con extrema prudencia.

DESCRIPTION - DESCRIZIONE - BESCHREIBUNG - DESCRIPCION

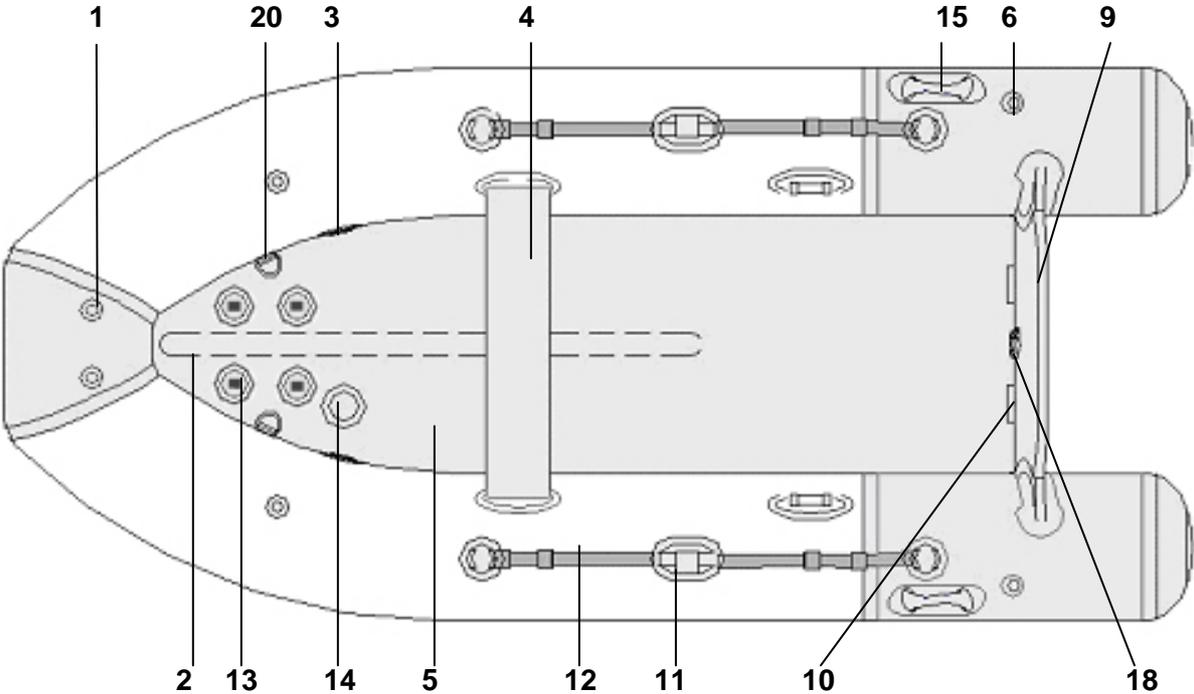
	Français	English	Italiano	Deutsch	Español
1	fixation sac avant (option)	bow bag fixation (option)	attacco (borsa di prua)	Befestigung (Bugstausack)	fijación bolsa de proa (opcional)
2	quille gonflable	inflatable keel	chiglia gonfiabile	Luftkiel	quilla hinchable
3	Valve de gonflement flotteur	main buoyancy tube valve	valvola di gonfiaggio tubolari	Ventile (Schauchköper)	válvula flotador principal
4	banc de nage amovible	removable wooden seat	Panchetta amovibile	heraus-nehmbare Sitzducht	banqueta de remo amovible
5	plancher H2P	H2P air floor	PagliolatoH2P	Herausnehmbarer H2P	suelo H2P
6	repos d'aviron	oar rest	Sistemi di fissaggio dei remi	Ruderfixierungen	sujeta remos
7	Cône tronqué	Truncated cone	Coni tronchi	Stumpfkegel	Conos truncados
8	Renfort de cône	Reinforced cone	Coni di poppa rinforzati	Verstärkte heckkonen	Reforzado de cono
9	tableau arrière	transom	specchio di poppa	Heckspiegel	tabla popa
10	Taquets tableau arrière	retaining batten	tasselli	Beiden Niederhalter	cuñas
11	supports dames de nage	rowlock blocks	Scalmi basculanti	klappbare Ruderrollen	soportes chumaceras
12	main courante	safety strap	tientibene	Sicherheitsgurte	sangla sujeción pasajeros
13	Fixation sangle réservoir	fuel tank strap	cinghie ferma serbatoio	Befestigungsgurt für Kraftstofftank	sangla depósito
14	valve de gonflement fond H2P / quille	Keel / H2P floor valve	valvola di gonfiaggio chiglia / Pagliolato H2P	Ventile (Luftkiel / Herausnehmbarer H2P)	válvula de la quilla / suelo H2P
15	poignée de portage	carrying handle	maniglie de trasporto	Tragegriffe	asa de transporte
16	Anneau de remorquage	towing ring	anelli di rimorchio	Schleppringe	anilla de arrastre
17	bande antiragage périmétrique nervurée	non-scutt rubbing strake	bottaccio di protezione piatto perimetrale	verstärkte Rundum-Scheuerleiste	defensa periférica
18	vide vite	self bailer	autovuotanti	selbstlenzende Ventile	desagües
20	Anneau de levage	Lifting ring	Anelli sollevamento	Hubringe	Anillo de elevacion
21	poignée avant	bow handle	maniglia anteriore	Buggriff	asa delantera
Cadet Fast Roller Acti-V Int'L					
22	Boite de rangement	Stowage Box	Vano amovibile	Herausnehmbare Box	cilindro de almacenamiento

DESCRIPTION - DESCRIZIONE - BESCHREIBUNG - DESCRIPCION

Cadet Aero 240 Aero – 260 Aero

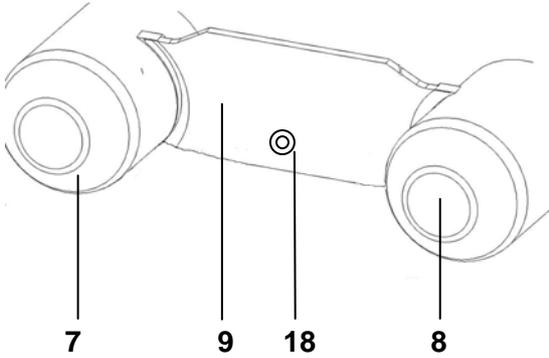
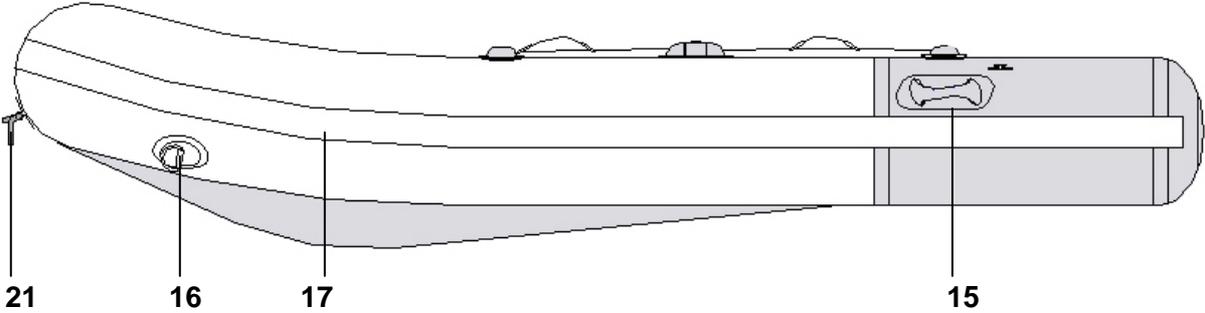
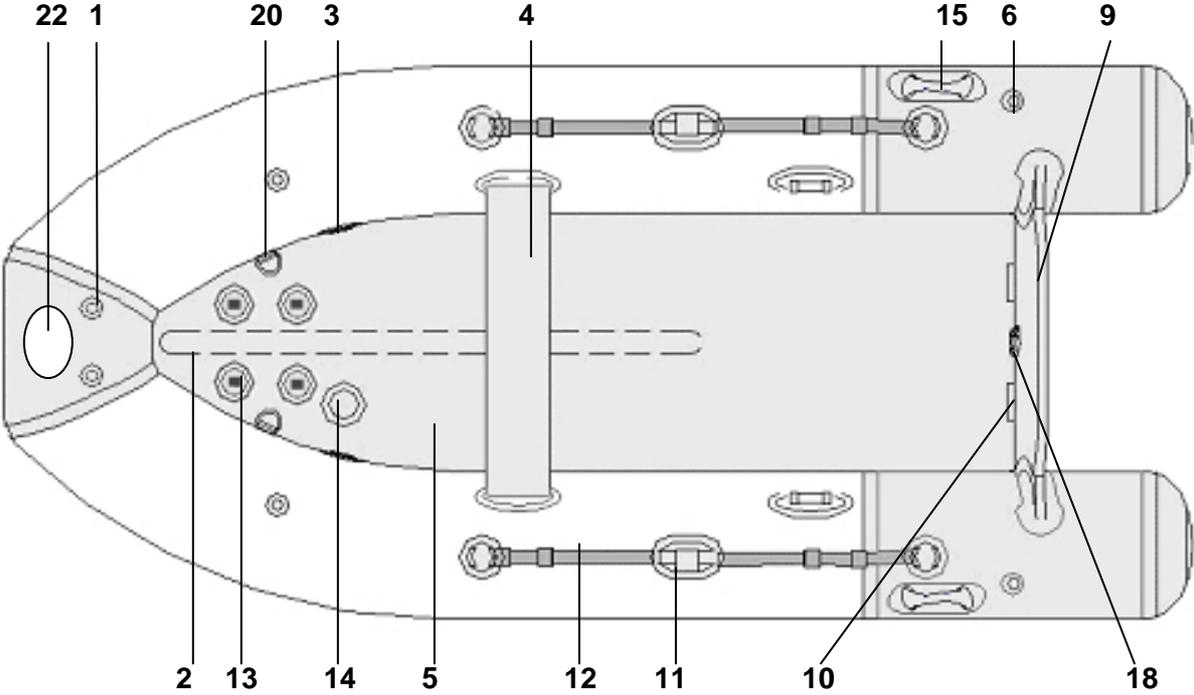


Cadet Fast Roller Acti-V 285 - 325



DESCRIPTION - DESCRIZIONE - BESCHREIBUNG - DESCRIPCION

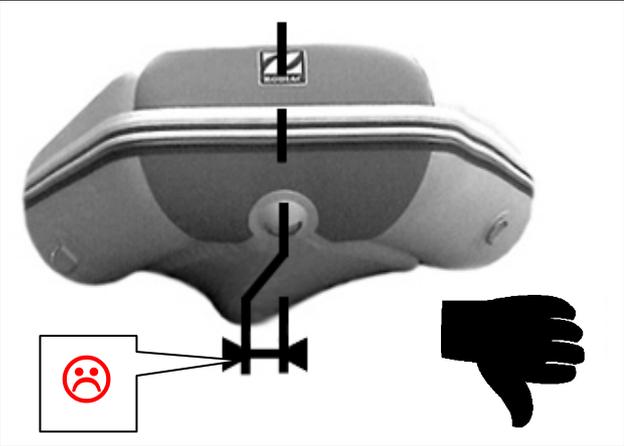
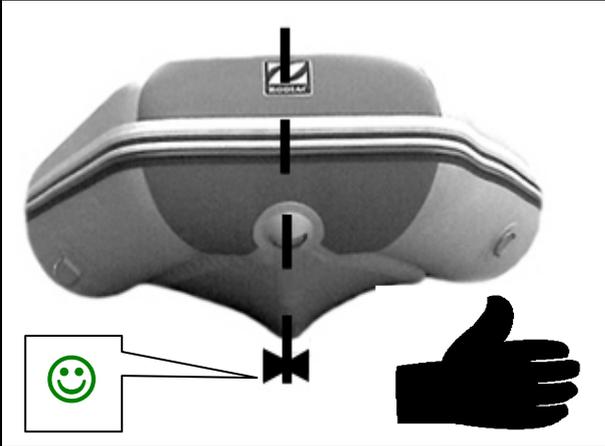
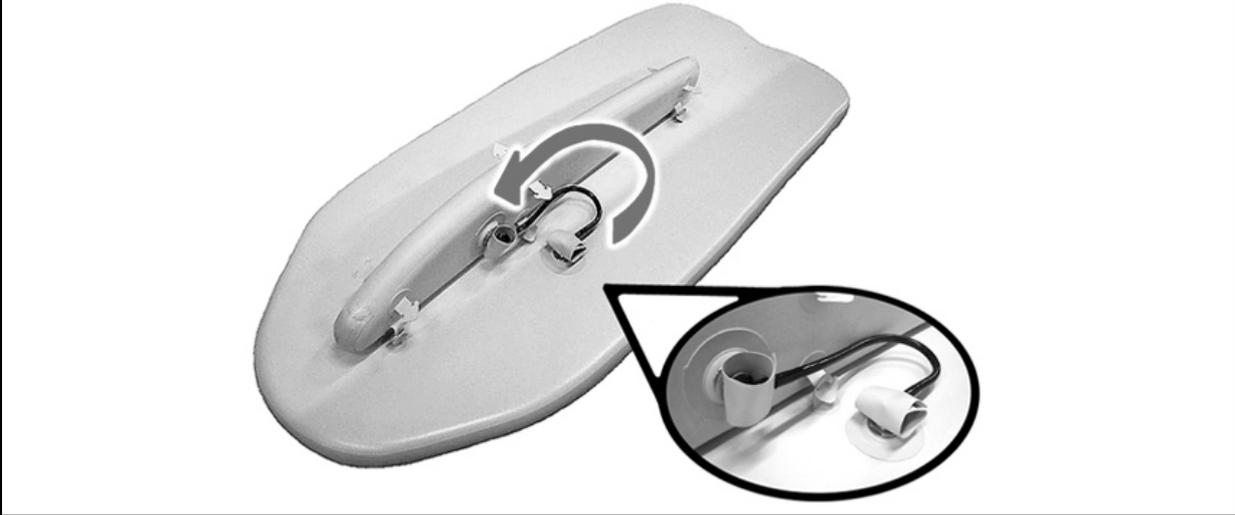
Cadet Fast Roller Acti-V 360 Int'L



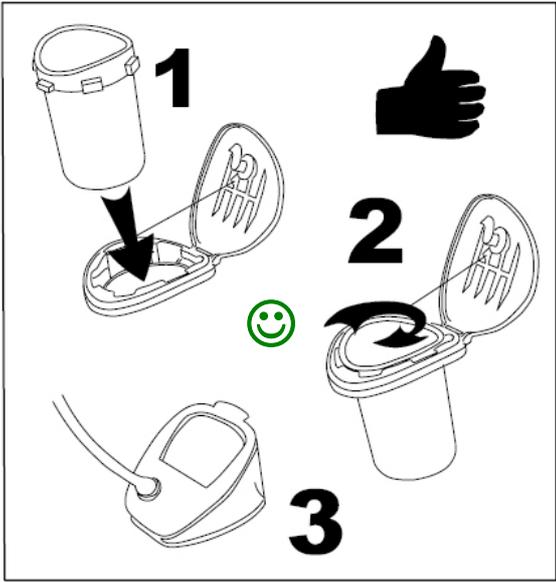
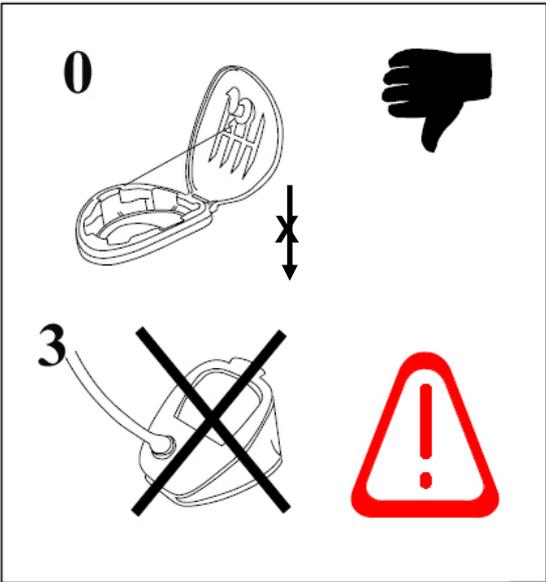
DESCRIPTION - DESCRIZIONE - BESCHREIBUNG - DESCRIPCION

Cadets Fast Roller Acti-V - Cadet Fast Roller Acti-V Int'L.

Plancher H2P - H2P air floor - PagliolatoH2P - Herausnehmbarer H2P - suelo H2P



Cadet Fast Roller Acti-V Int'L : Boite - Box – Koffer – Cilindro – Vano.





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