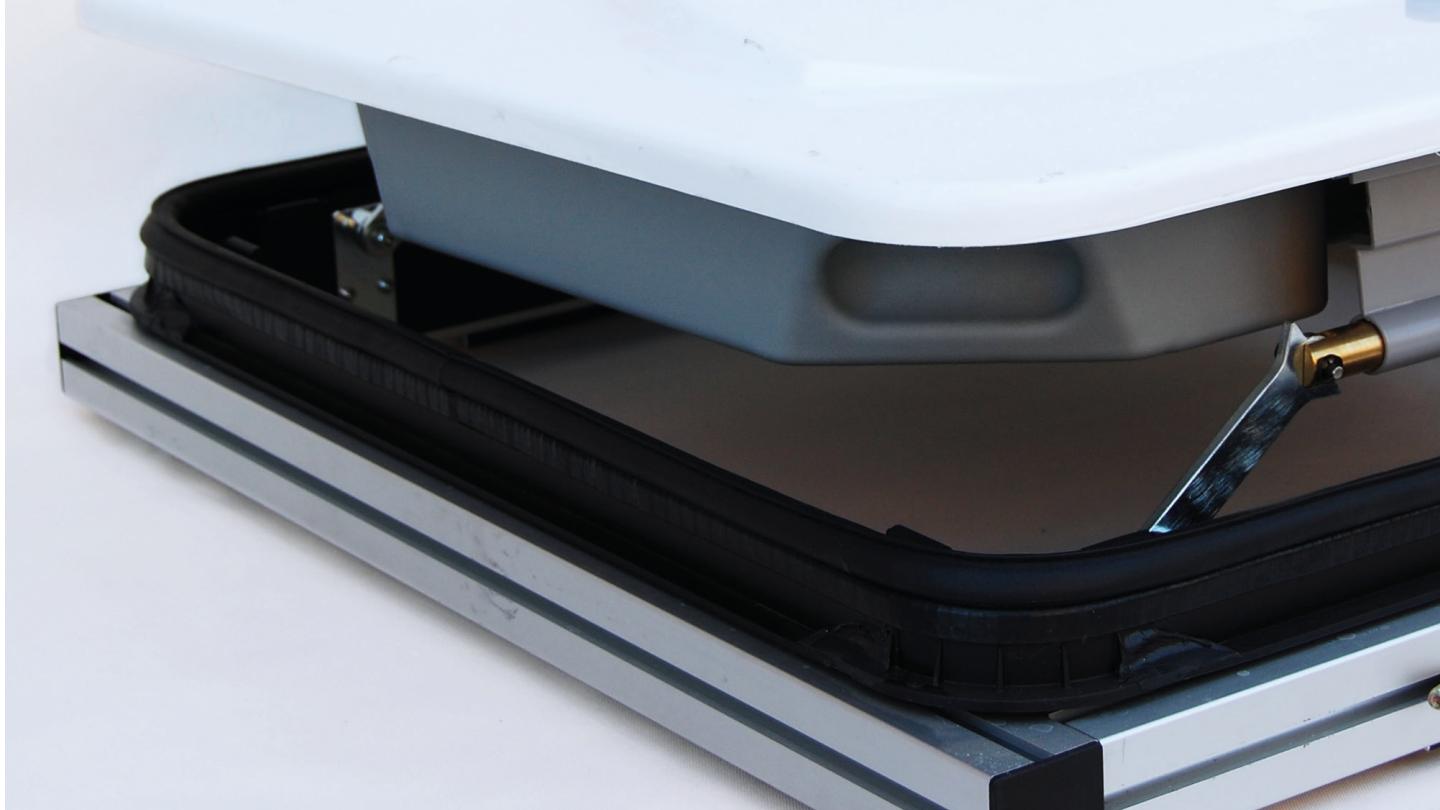


KONRAD ESCAPE HATCHES 90° TILTING

BOTOLE KONRAD RIBALTABILI A 90° ALL'AMERICANA

TRAPPES DE TOIT KONRAD OUVRANT A' 90° A' L'AMERICAINE

KONRAD DACHLUKE, 90° KLAPPBAR NACH AMERIKANISCHER NORM



Scalabros 90° tiltiting roof-hatches, comply with the North Amercian FMVSS 217 EMERGENCY EXITS Regulation. Being homologated according to R118.2 they match also with the requirements of the USA/Canadian Regulation FMVSS/CMVSS 302 regarding the flammability of materials. We have them in a nicely designed thermoformed ABS cover ref BT.11.1 as well as in transparent and darkened PMMA covers BT.11.9. Both the ABS and the PMMA Covers are UV protected.

Our light but strong aluminium frames are made in two versions: one with 90°-plastic corners and is ment for first production busses enabling the customers to avoid having to weld the corner flanges on their beam frames. This means big savings for them both in terms of labour and material. The other version BT.11.1.R for the ABS covers and BT.11.9.R for the PMMA cover is meant as a replacement on runnig busses which already have the weleded flange and for this it has 97° -corners.

The can be ordered with the optional external emergency handle BT.11.2. And BT.11.2R for the ABS cover, and BT.11.10 and BT.11.10.R for the PMMA cover.



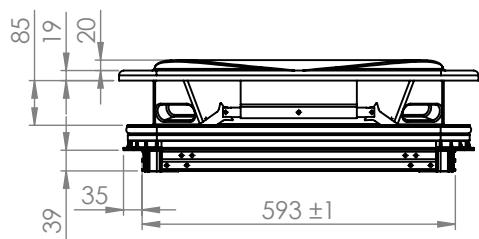
Le botole Scalabros ribaltabili a 90° all'americana, rispondono alla normativa nordamericana FMVSS 217 per le uscite d'emergenza e, per quanto riguarda l'infiammabilità dei prodotti, essendo omologate secondo la R118.2 sono conformi anche alla FMVSS/CMVSS 302. Queste botole sono disponibili con dei coperchi in ABS termoformato BT.11.1 dal design molto gradevole, oppure in PMMA trasparente ed oscurato BT.11.9. Entrambi i materiali sono protetti anti UV ed i telai in alluminio sono disponibili in due versioni: una destinata ad i bus di primo impianto, con i suoi angoli a 90° consente infatti ai clienti di evitare di dover saldare le flange nei quattro angoli del vano tetto, il che implica grossi risparmi in termini di manodopera e di componenti, l'altra versione (BT.11.1.R e BT.11.9.R) invece ha dei raggi a R97mm e serve come ricambio per i veicoli usati, già sono provvisti della flangia saldata.



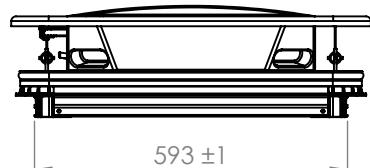
Les trappes de toit Scalabros ouvrantes à 90° à l'americaine, sont conformes à la reglementation nordamericaine FMVSS 217 pour les issues de secours et pour ce qui concerne l'inflammabilité des produits. Aussi comme elles sont homologuées selon la R118.2, elles sont conformes à la FMVSS/CMVSS 302. Ces toits-ouvrants sont disponibles avec des beaux couvercles en ABS thermoformé BT.11.1 ainsi que en PMMA transparent BT.11.9, les deux materiaux sont aussi protégés contre les UV. Les contrecadrés en aluminium sont disponibles en 2 versions: une destinée aux véhicules de première production, car grâce à leurs angles à 90° ils évitent aux clients de devoir souder de angles rayonnés sur leur toit. Ce qui donne lieu à des épargnes très importants en terme de travail et matière. L'autre version BT.11.1.R et BT.11.9.R a des angles à R97° et elle est idéale pour la recharge sur des véhicules déjà circulants ayant les angles déjà soudés.



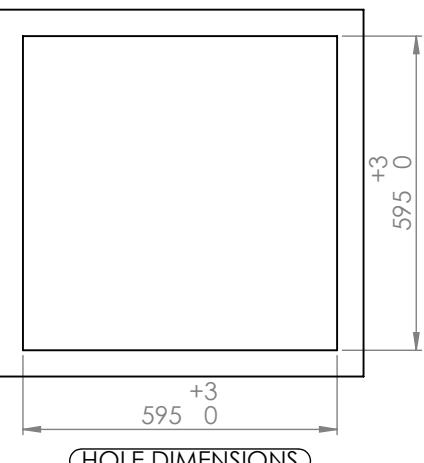
Die Scalabros 90° entklappbare Dachluken entsprechen der nordamerikanischen Norm FMVSS 217 für Notaustieg. Was die Brandprueungen betrifft, diese sind nach der R118.2 konform und somit entsprechen auch der FMVSS/CMVSS 302. Diese Dachluke ist mit ABS verformten ABS, bzw. mit dunkel durchsichtigem PMMA . Beide Materialien sind UV-beständig. Die Alu- Montagerahmen sind in zwei verschiedenen Versionen verfuegbar: Einmal mit 90° Ecken fuer neue Erstmontagen (somit werden die Montagezeiten Stark reduziert); Die zweite Version, fuer eventuellen Ersatzteilmarkt verfuegt ueber Ecken mit 96° Radien.



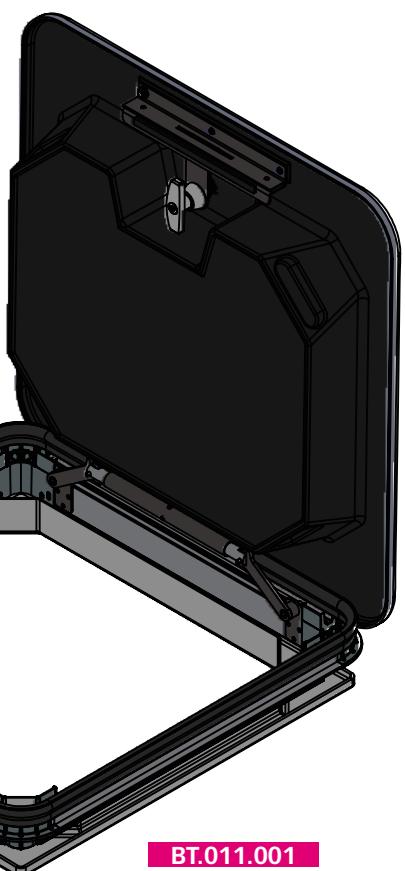
(OPENED ROOF HATCH)



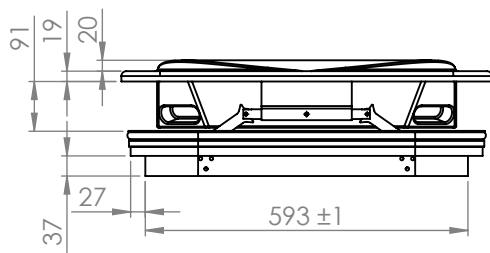
(ROOF HATCH OVERTURNED)



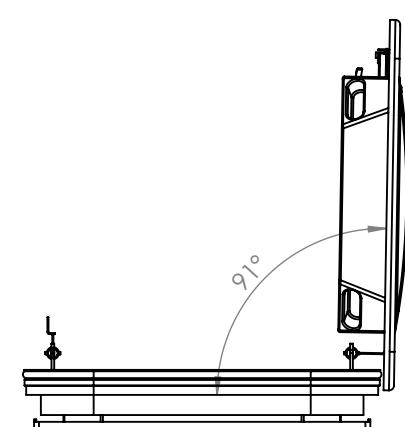
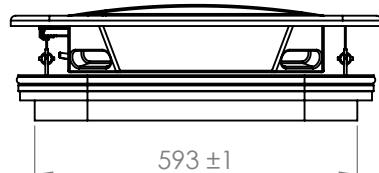
(OUTDER DIMENSIONS)



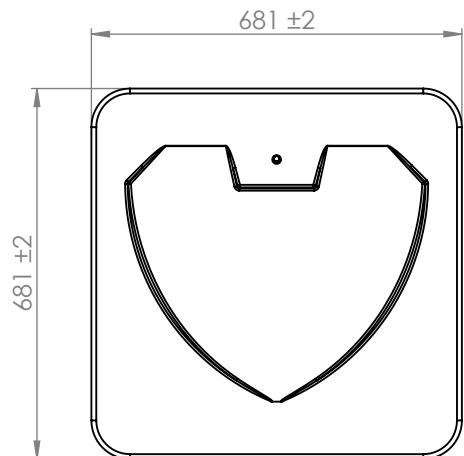
BT.011.001



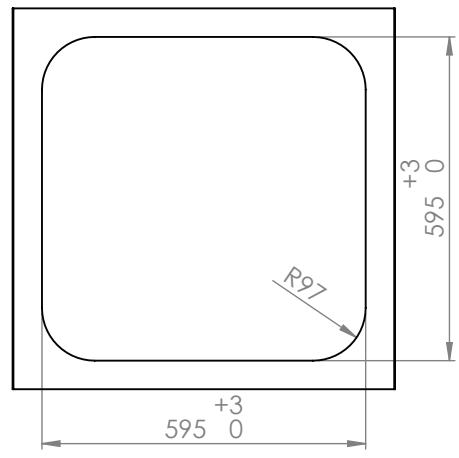
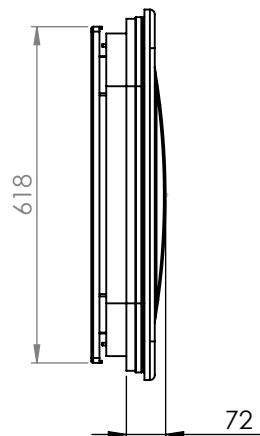
(OPENED ROOF HATCH)



(ROOF HATCH OVERTURNED)

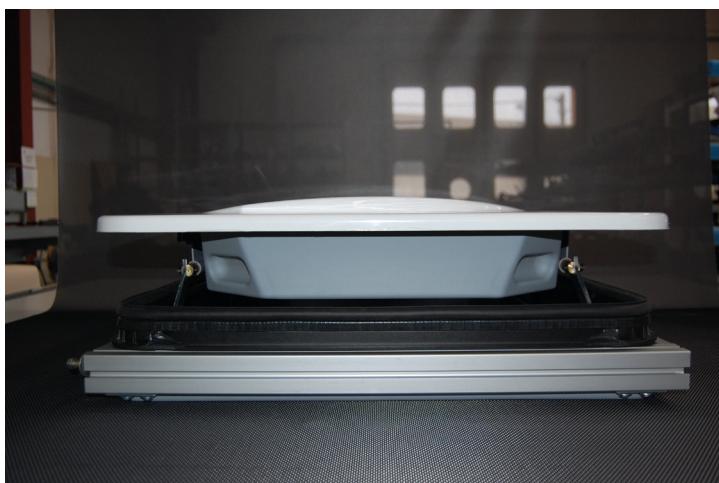
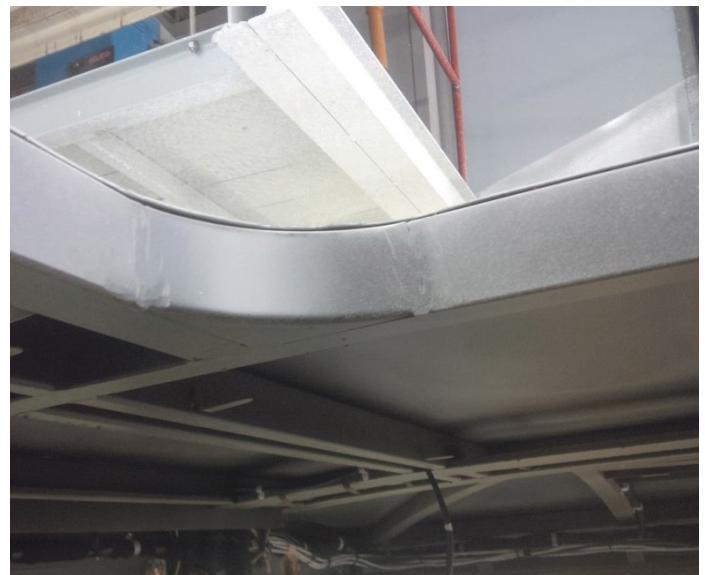


(OUTDER DIMENSIONS)



(HOLE DIMENSIONS)





CODES / CODICI / CODES / CODES [FMVSS 217 compliant]

	MATERIAL RADIUS	ABS	PMMA
INNER EJECTION SYSTEM	91°	BT.11.1	BT.11.9
	97°	BT.11.1.R	BT.11.9.R
INNER & OUTER EJECTION SYSTEM	91°	BT.11.2	BT.11.10
	97°	BT.11.2.R	BT.11.10.R