



WHOLE BODY VIBRATION

WORKING TOGETHER FOR
SHOCK MITIGATING SOLUTIONS

LOKi
DYNAMICS



The SHOCK-WBV Products are specifically designed, tested and manufactured in the UK.



The company aim is to provide comfort by reducing whole body vibration for those spending time on the water, professionally, commercially or leisurely.



The Shock-WBV systems can be fitted new or retrospectively.



The Shock-WBV systems are extremely cost-effective and offer a straightforward fitting process.



Once the system is in place it can be tuned for different passenger weights and sea conditions.



The WBV systems provide a smoother, safer ride where shock and vibration are significantly reduced. This means longer time can be spent comfortably on the water.



All Shock-WBV parts and designs are rigorously tested with hundreds of hours on the water, and on Sea Sure's ISO drop test rig, giving utmost confidence in Shock-WBV's seat suspension system.

QUESTIONS

What is WHOLE BODY VIBRATION?

"Shock Mitigation is the process of reducing the impact of sudden forces or vibrations on an object or person."

What is SHOCK MITIGATION?

"Whole Body Vibration (WBV) is the vibration that travels through your body from the surface you are sitting, standing or laying on."

What is the purpose of SHOCK MITIGATION PRODUCTS?

"Shock mitigation products minimize whole-body vibration effects and proactively improve safety, comfort, performance, and long-term health by reducing sudden impacts and vibrations."

SEAT BASE SERIES

SHOCK-WBV is a seat suspension system designed and manufactured in the UK to significantly reduce wave shock. The system reduces Whole Body Vibration (WBV) and provides lateral stability for enhanced comfort, perfect for inland and coastal boats. The seat suspension units are created by the renowned marine equipment manufacturer Sea Sure Ltd in Southampton, U.K.

The SHOCK-WBV units come in three sizes (C, P, & R Series), sharing the same core design but varying to fit different seat types. The C/P/R base systems fit between the seat and boat structure, offering compact, adaptable shock mitigation for various boat types and needs.

They can be easily installed on both new and existing boats, offering a cost-effective way to reduce shock and vibration. Retro-fitting on commercial and leisure boats improves comfort, allowing users to stay on the water longer.

C // P // R



C

Designed for larger helm
& bucket seats.

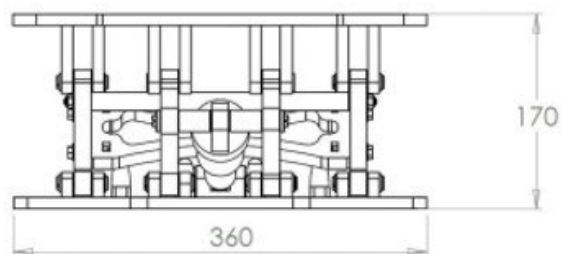
P

Designed for smaller
suspension seats.

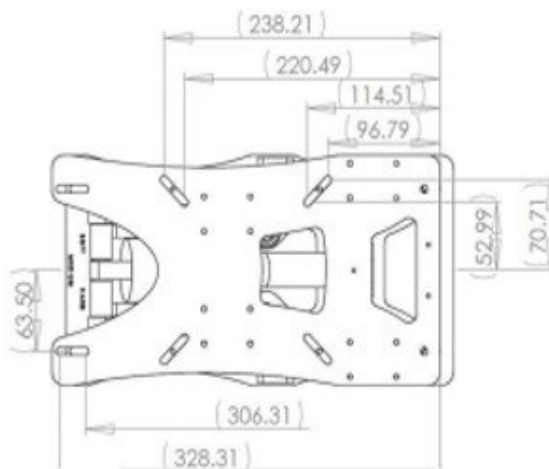
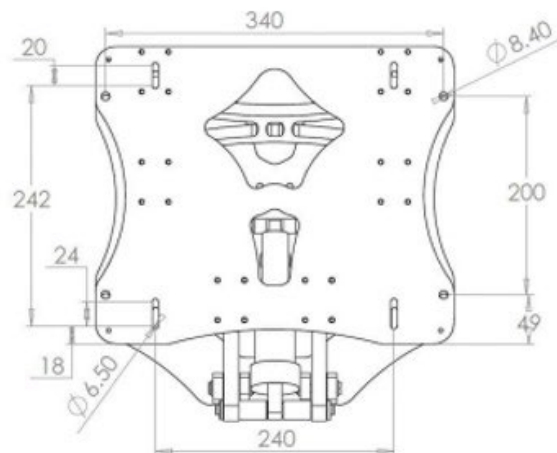
R

Designed for Rib or
Jockey seats

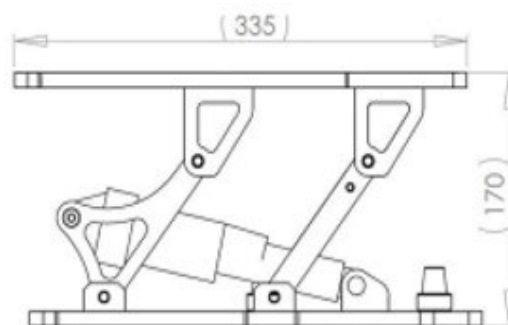




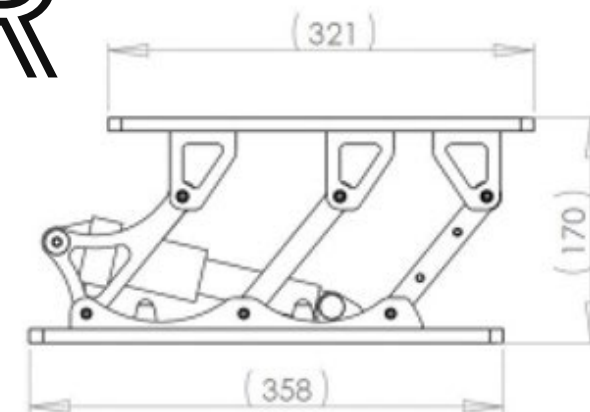
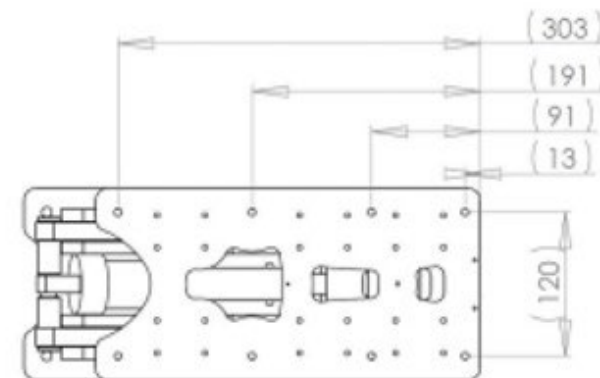
C



P



R



Travel	Vertical	Horizontal	Unit weight
•84mm	•72mm	•43mm	•7.4kg

Travel	Vertical	Horizontal	Unit weight
•84mm	•72mm	•43mm	•3.9kg

Travel	Vertical	Horizontal	Unit weight
•78mm	•67mm	•40mm	•5.2kg



American Magic, America Cup Chase Boat.

The WBV LT series is a high-performance seat designed to meet demanding requirements.

It was selected for use on the American Magic America's Cup chase boats.

FOX FACTORY

LT SERIES

ERGONOMICALLY DESIGNED JOCKEY SEAT



Alternate build configurations for varying uses

Tool-free adjustment with 3 ride settings

Solid deck mount or tracks option.



FOX FACTORY

Shock Mitigation

Features WBV's OMEGA Shock cushion inserts.

Dual air spring and velocity-sensitive damping.

FOX Float 3 EVOL QS3 shock absorber (higher performance).

Available with DNM Shock Absorbers also.

Construction & Durability

CNC machined 6061-T6 aluminum spine and body with A4 316 stainless steel fasteners.

Anodised aluminium with colour options (N.B. subject to order).

In-house designed internal bearing system using high-load yachting hardware.

Rigorously tested on water, and Sea Sure's ISO drop test rig.



A durable and versatile modular cushion insert that minimizes shock and body vibration, suitable for a wide range of seating applications, both marine and land-based.

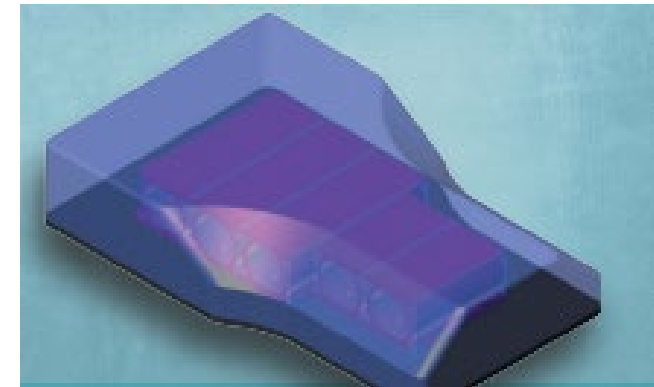
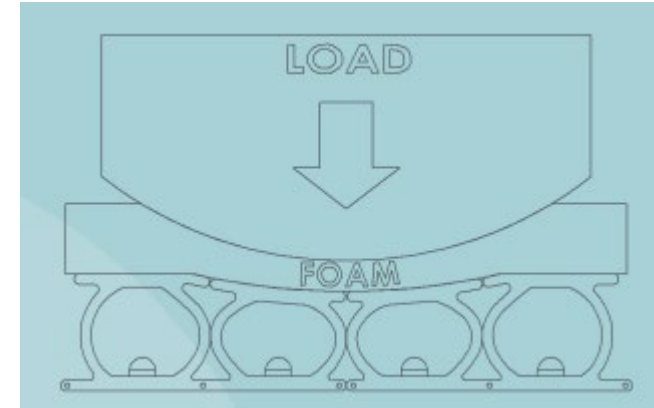
The patented WBV technology is designed to be fitted throughout a vessel and/or vehicle.
Its aim is to reduce the shock that an occupant or payload experiences.

Applications:

- Helm seats where conventional suspension seats will not fit
- Seat/deck/cargo
- Jet skis
- Military applications
- Off road vehicle seat cushion
- Classic cars

OMEGA's modular design means it can be incorporated into cushions of any size. The larger the cushion, the more units are required.

OMEGA allows you to spend between 3 - 5 times longer in the vehicle or craft before reaching the same level of shock and vibration exposure that you would see with a standard foam cushion.



INCREASE



DECREASE



“GO FURTHER FOR LONGER”



WHOLE BODY VIBRATION



DYNAMICS



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**“WORKING
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ΩMEGA
SHOCK MITIGATING SEAT INSERTS

FOX FACTORY