

RESILIENT
MOUNTS

DEFENCE INDUSTRY



STATE OF ART
VIBRATION
ISOLATION



THE IMPORTANCE OF HIGH QUALITY ANTI-VIBRATION MOUNTS IN THE DEFENCE INDUSTRY



What customers want

- protection of electronic devices
- resistance to heavy stresses (shocks, vibrations)
- minimal maintenance reducing service costs
- top performances and reliability

What Vibrostop offers

- several tests and inspections over the years: impacts, fatigue, insulation and ageing tests, statical characterization
- stainless steel product range
- engineering and production of customized products
- in-house technical support



APPLICATIONS



**DISTRETTO
AEROSPAZIALE
LOMBARDO**

- ✓ **NAVAL SYSTEMS**
- ✓ **LAND SYSTEMS**
- ✓ **AIRBORNE AND SPACE SYSTEMS**



✓ **QUALITY MANAGEMENT SYSTEM ACCORDING TO
ISO 9001 AND EN/AS 9100 FOR AEROSPACE
INDUSTRY**

✓ **NCAGE CODE A3290 AND A5799**

✓ **COMPLIANCE WITH THE FOLLOWING
DEFENCE STANDARDS**
MIL-STD-810, MIL-STD-167, MIL-S-901D,
MIL-STD-740, NAV-30-A001, NAV-30-A002,
BV-0230, BV-0240, STANAG-4141, STANAG-4142,
RTCA/DO-160, IEC EN 60068

ANTI-SHOCK AND -VIBRATION MOUNTS

WIRE ROPE

CAVOFLEX



FEATURES

6 fixing types, custom sizes

MATERIALS

Stainless steel wire rope, aluminium bars (steel u.r.)

STATIC LOAD

1-2000 daN

AVAUD



FEATURES

Dual isolation (shock and vibration)

MATERIALS

Stainless steel and CR rubber

STATIC LOAD

14-100 daN

AVAU



FEATURES

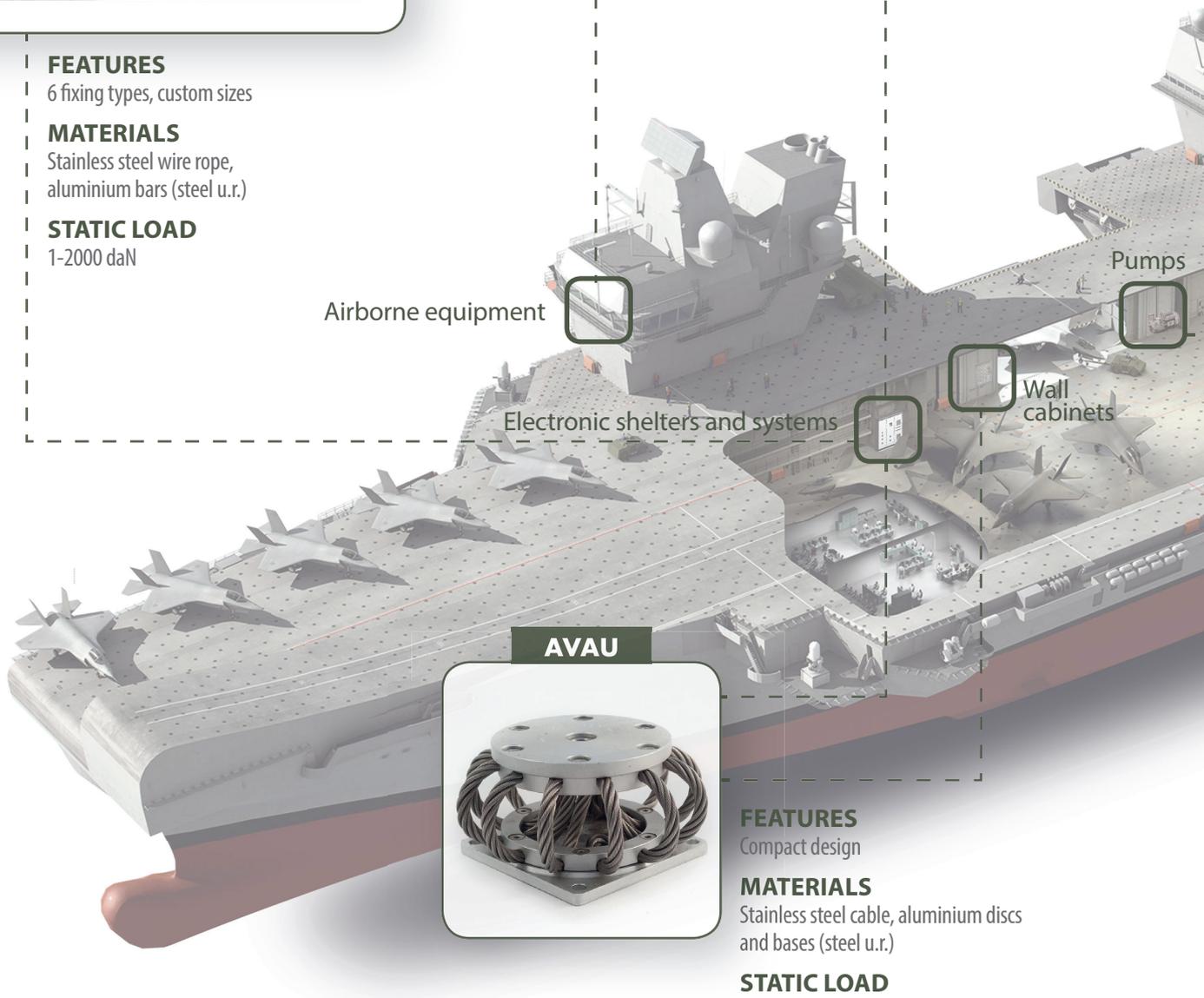
Compact design

MATERIALS

Stainless steel cable, aluminium discs and bases (steel u.r.)

STATIC LOAD

3-180 daN



ANTI-SHOCK AND -VIBRATION MOUNTS RUBBER

MMC



FEATURES

Isolation of structure-borne noise
Strong resistance to corrosion and shocks
2 sizes, 3 types of hardness (45, 55, 65°ShA)

MATERIALS

NR rubber and stainless steel

STATIC LOAD

20-230 daN

PGM



FEATURES

Aeronautical applications,
instrumentation
Small footprint
2 sizes, 3 types of hardness

MATERIALS

Vibrostop elastomer, plated steel

STATIC LOAD

0,5-15 daN

MM



FEATURES

Multidirectional operation

MATERIALS

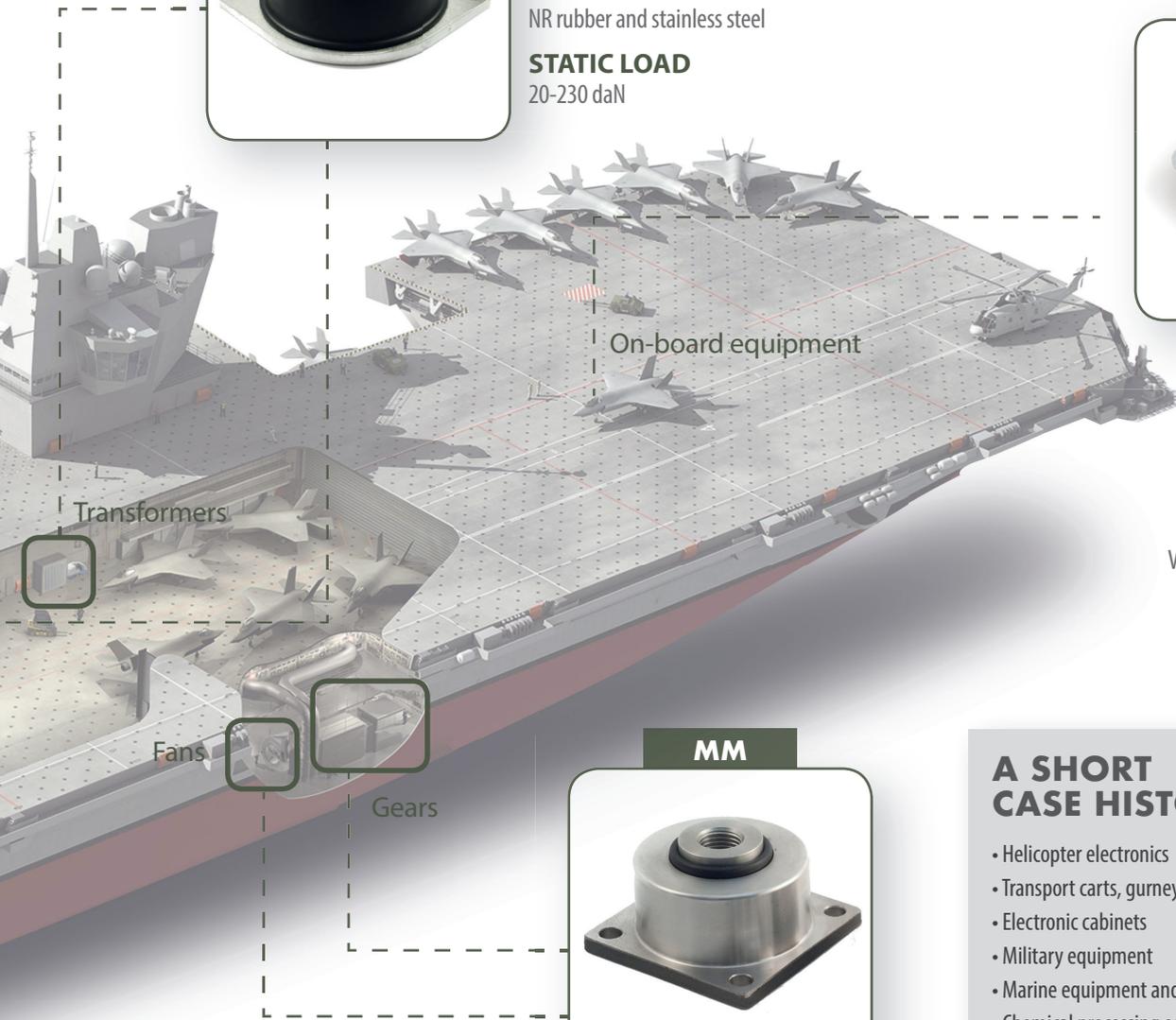
Steel cap to shelter elastomer,
to guarantee a long term and safe
performances of the equipments

STATIC LOAD

30-600 daN

A SHORT CASE HISTORY

- Helicopter electronics
- Transport carts, gurneys
- Electronic cabinets
- Military equipment
- Marine equipment and electronics
- Chemical processing equipment
- Chimneys, scrubbers & vessels
- Navigation equipment
- Road and shipping transport
- Power plant piping suspension
- Pump, generator & compressor
- Seismic restraints
- Shipping cases, skids & containers
- Transportable shelters
- Laboratory centrifuges
- Mobile electronic equipment
- Computer hardware, HDDs



WIRE ROPE MOUNTS

PRODUCT DETAILS



GENERAL FEATURES

- Extended producer's warranty up to 5 years
- No maintenance required
- Non-magnetic design
- High isolation from single or repeated shocks
- No ageing

■ CAVOFLEX

HELICAL wire rope isolators with stainless steel cable

- aluminum retaining bars with anti-corrosive film Surtec 650
- customizations according to customer's requirements (n° of loops, stainless steel bars)
- selection among over 2000 codes, including standard and special products
- operating temperature range: -100°C to +260°C
- 6 different mounting options

■ AVAU

Toric winding of a stainless steel cable. The isotropic design simplifies the installation.
Ideal application for device isolation on military land vehicles

■ AVAUD

Evolution of the AVAU line, able to separately provide both vibration and shock damping thanks to a second winding.
Vibrational frequency lower than shock response frequency (about 8 Hz VS 14 Hz).
Best solution for the global protection of equipments installed on military vessels

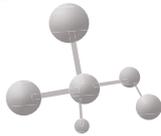
■ AVAU HF

Image-stabilizing mount for cameras on drones and land equipments.
Protection of lab instruments

TECHNICAL SUPPORT
techsupport@vibrostop.it

Check our website for the complete range of products for defense and industrial applications
www.vibrostop.it

WHY VIBROSTOP



Special treatments and compounds

- resistance to saltiness
- stainless steel components
- wide range of compound properties



Tested mechanical properties

- hardness test
- tensile and tear strength test
- static compression test



Extended warranty

warranty up to 5 years on metallic parts



Resistance to atmospheric agents

- ageing
- low temperatures
- ozone



Technical advice and engineering

- in-house laboratory
- release of customized products
- engineering consultancy

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