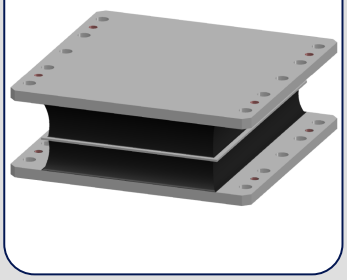
Rubber Design
vibration and noise control

DOCUMENTATION SHEET

Sandwich Mountings
Type 35L1

35L1

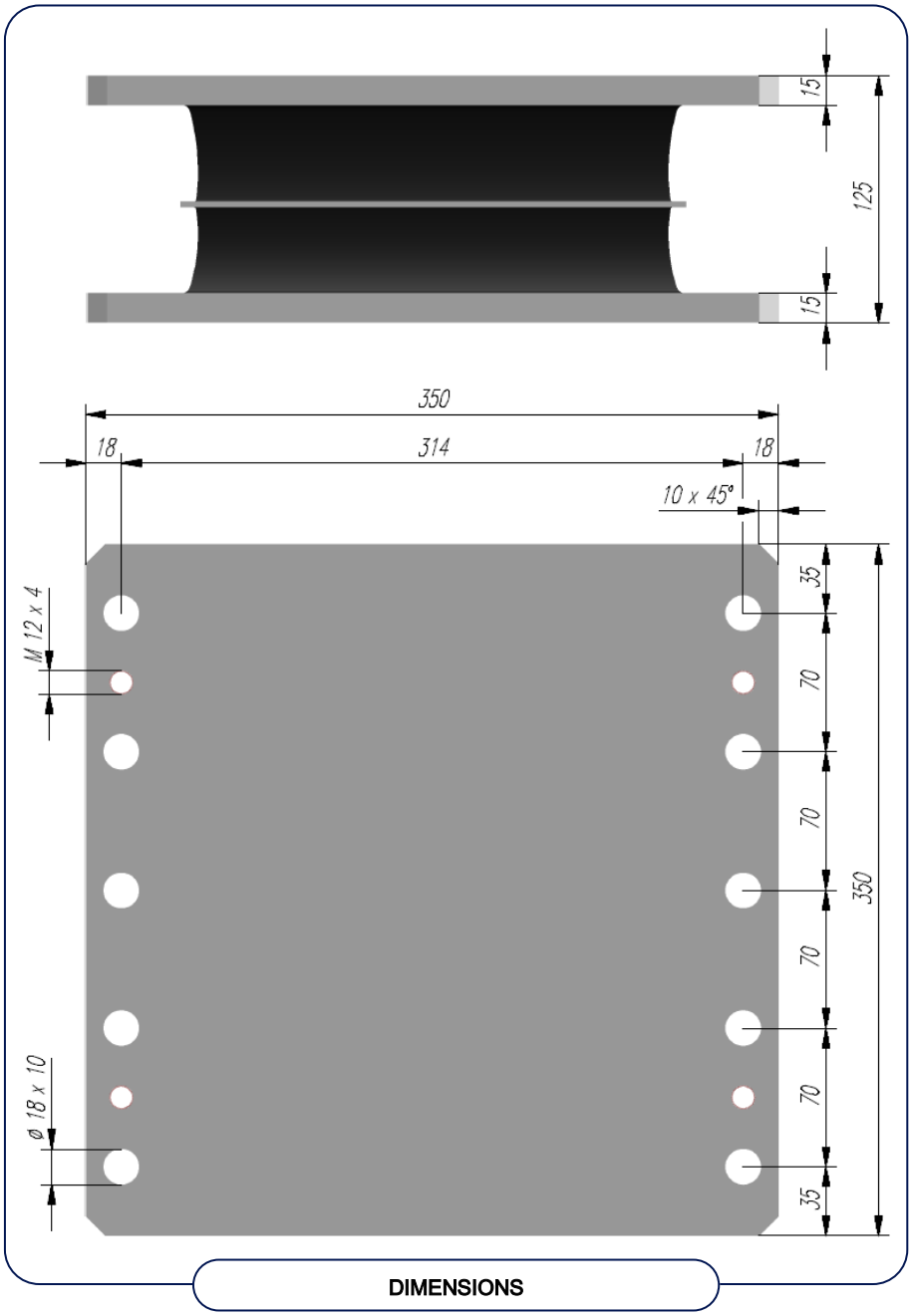


General

Available with or without interleaf, the VRD 35 type mountings are produced in a range of rubber hardness (MN45, MN50, MN55 and MN60) and sizes close to stiffness tolerances for use as main and auxiliary engine mountings. All mountings are individual tested and selected on stiffness.

A combination of sandwich mountings arranged in a ‘V ’ system allows considerable flexibility to the designer. The important natural frequencies can be positioned into the exicitation free frequency bands and in addition seaway and torque movements are relatively low at the coupling position.

A ‘V ’ system applies to the installation of a main engine and particularly to a medium speed engine. With high speed engines the design is in most cases much simpler than that of the medium speed engine.



DIMENSIONS

Shock / earthquake

The standard execution of the VRD 34/35 mountings can withstand shock-displacements up to 40% of the rubber height of the sandwich mount in lateral direction, and 20% in axial direction. This makes the mounting ideal for usage when equipment is placed in regions where earthquakes do occur. On application we can supply a special non-magnetic type manufactured in inoxida.

Acoustic

The acoustic properties of the sandwich mountings are excellent. The result of the measured structure borne vibration and noise transmission are available. In both the vertical and horizontal directions the transfer functions show in the low frequency range a decrease of 12 dB/ octave an 'ideal mass less spring characteristic'.

Hardness [°Sh. A]	Max Marine load [kN]	Max Static load [kN]	Max. Static vert. defl. [mm]
45°	185	230	15,5
50°	220	275	14,5
55°	260	315	14,0
60°	300	365	13,5
65°	340	410	12,5

CHARACTERISTICS

Mounting selection

The characteristics table is ideal for initial selection; however, it is advisable to seek expert advise before finalizing an installation design. Rubber Design is eager to support you by making 6 degrees of freedom calculations as a service, to ensure a proper functioning resilient mounted system.

Engineering

More detailed drawings and installation instructions, as well as specific mounting versions with alternative connection dimensions, tailored to your needs, can be provided upon request

Remarks

It is our intention to maintain the excellent standard of our products. Modifications and improvements may be made from time to time and it is therefore advisable to contact us before ordering against the specifications given in this sheet.

TYPE APPROVALS

Rubber Design B.V.
Industrieweg 21
2995BE Heerjansdam
The Netherlands
Phone: +31 (0) 78 677 87 78
Fax: +31 (0) 78 677 10 38
Email: info@rubberdesign.nl
Web: www.rubberdesign.nl