



The Phantom Element in Shock and Vibration Isolation

HIDAMP Industrial Mountings Pvt. Ltd. — A practical product catalogue for immediate customer understanding of HIDAMP product families, selection logic and enquiry data.

COIMBATORE, INDIA

VIBRATION ISOLATION GROUP

ENGINEERING CATALOGUE

About HIDAMP & Our Vision

Our Vision

To become a trusted Indian engineering brand in vibration isolation, shock absorption and rubber bonded mounting solutions, serving industries that require reliable machine stability, reduced transmitted vibration and long operating life.

Our Mission

To design, manufacture and supply dependable vibration control products that solve real shop floor and field level problems. HIDAMP supports customers with product selection, material choice, load suitability, mounting guidance and practical engineering support.

About HIDAMP Industrial Mountings Pvt. Ltd.

HIDAMP is a **Coimbatore based manufacturer** of vibration isolation, shock absorption and rubber bonded engineering products. The range includes machine mounts, cup mounts, shear mounts, dampers, friction pads, buffers, foot mounts, beadings, hollow springs, sandwich mounts, couplings and custom rubber to metal bonded products.

Vibration Isolation Group

HIDAMP operates under the broader Vibration Isolation Group along with associated group entities **Louisons Engineering Works** and **Innoliev / JB Associates**. The group focuses on practical engineering, product development, manufacturing support and customer specific industrial solutions.

Digital Support

The Vibration Isolation Group mobile application is available on the **Google Play Store**, designed to measure and analyse vibration using built-in motion sensors on modern smartphones.

Understanding Vibration & Why It Matters

Vibration is the repeated movement of a machine or structure from its normal resting position. It may be caused by rotating parts, unbalanced loads, impact, reciprocating motion, eccentric movement or disturbance from the floor or foundation.

Vibration feedback also tells us something about machine condition: **imbalance, looseness, misalignment, bearing issues and structural weakness** often appear first as vibration behaviour.

- ❑ Vibration is a hidden cost inside every machine. It affects accuracy, foundation life, operator comfort, component wear, noise level and maintenance frequency.

Not All Vibration Is Bad

Crushers, vibrating screens, feeders and compactors require controlled vibration or eccentric motion to perform their operation. The engineering challenge is not to remove the useful vibration, but to **control where it goes**.

A proper vibration isolator allows the machine to do its required work while limiting the transfer of unwanted vibration to the supporting structure. Correct mount selection helps separate useful machine vibration from harmful vibration transfer.

Accuracy

Vibration degrades machining and measurement precision

Foundation Life

Transmitted vibration damages concrete and steel bases

Operator Comfort

Reduces fatigue and improves workplace safety

Maintenance

Reduces component wear and maintenance frequency

Product Selection Data Required

A mount is not selected only by looking at the product image. It must match the load, orientation, movement, environment and available installation space. Share the following data for accurate product recommendation.

→ Load Per Mount

Share total machine weight and number of mounting points. HIDAMP solutions cover approximately 30 kg per mount up to 45 tons. Mention uneven load, motor side, drive side and offset centre of gravity.

→ Height & Space

Mention available height under the machine, side access for installation, leveling allowance and any maintenance restriction. Low profile mounts may be required where height is limited.

→ Hole Pattern, PCD & Base Frame

For 2-hole designs: distance between holes, hole diameter, slot size and base plate size. For 3-hole designs: Pitch Circle Diameter, hole diameter, angular position and centre hole or bush details. For 4-hole designs: length and width between mounting holes, hole diameter, bolt size, base plate dimensions and whether the base is cast, fabricated, channel type or flat.

→ Mounting Point Condition & Orientation

Confirm whether mounting points are threaded holes, free holes, slotted holes, no holes, flat base, channel base or fabricated frame to determine the correct mount type. Mention if the mount works in compression, shear, tension, compression with rebound, static loading, dynamic loading, shock loading, mobile application or stationary application.

Selection Data – Continued

→ Static, Dynamic or Mobile Application

Mention whether the machine is permanently installed, moved frequently, installed on a fabricated skid, placed on concrete, mounted on a steel structure, used on a vehicle, or exposed to road, marine or construction shock.

→ Oscillation and Movement

Mention vertical oscillation, horizontal oscillation, radial movement, axial movement, rotational movement, side thrust, repeated impact, start-stop vibration, unbalanced movement or eccentric motion.

→ Application Objective

Confirm whether the goal is to reduce machine vibration, reduce floor vibration, reduce noise, protect sensitive equipment, prevent machine movement, absorb shock, support static load or improve operator comfort.

→ Photos, Drawings & Site Details

Share machine photos, base frame photos, existing mount photos, hole dimensions, machine drawing, load distribution, working video, foundation details and any previous mount failure details.

→ Environment and Exposure

Mention temperature range, oil, water, chemical exposure, ozone, outdoor weather, dust, food grade requirement, pharmaceutical requirement, corrosion risk, washdown requirement or salt/marine atmosphere.

❏ **Fast Enquiry Checklist:** Machine type | total weight | number of mounting points | load per mount | hole pattern and PCD | available height | orientation | movement type | static/dynamic/mobile condition | environment | photos/drawings.

Machine Mount Series – HDG, HDG-F, HDC & HDCF

HDG SERIES

HDG Machine Mounts – General Machine Mounts



Leveling machine mounts for milling machines, presses, generators, compressors and process machinery. Combines load support, leveling convenience and vibration isolation in one solution.

HDG-F SERIES

HDG-FLAT Series – Flat Machine Mounts



A compact HDG variant for machines requiring internal threaded provision where top level adjustment is not convenient. Suitable where restricted top access or layout limitations apply.

HDC SERIES

HDC Cushy Foot – Cast Iron Heavy Machine Mounts



Cast iron cushy foot mounts in VEE/shear configuration for heavy generators, blowers, pumps, centrifuges and crushers. Provides lateral stability and rugged vibration isolation for heavy rotating or reciprocating machines.

HDCF SERIES

HDCF Cushy Float – Mild Steel Heavy Machine Mounts



Low profile cushy float mounts for static and mobile equipment. Originally developed for marine engine applications, provides three-way control, bump support and rebound control for engines, blowers and compressors.

Mount Series – HDBL, HDU & HDP

HDBL SERIES

HDBL Low Profile – Foundation-Free Mounts



Direct installation mounts for machinery where foundation work, grouting or repeated layout changes must be avoided. The low profile rubber base improves floor grip, reduces machine travelling and supports vibration control. Useful for quick installation, relocation and layout flexibility.

HDU SERIES

HDU U-Shear Mounts – Shear Mounts



Double U-shear mountings for vertical and lateral vibration control in ships, power packs, blowers, fans, vibratory feeders and paver screens. The U shaped geometry provides a softer vertical spring rate with lateral damping, useful where both vertical and horizontal movement must be controlled.

HDP SERIES

HDP Friction Pads



Ribbed rubber pads for machinery without bolting provision or where a flat base requires cushioning. Support machines through grip, surface contact and load distribution rather than threaded fixing. Practical for gensets, textile machinery, laundry machines, presses and equipment with flat bases.

Mount Series – HDG-SS & HDWMC

HDG-SS SERIES

HDG-SS Stainless Steel Mounts – SS 304



SS 304 machine mounts for food processing, medical equipment, precision machinery and corrosive environments. Follows the HDC isolation concept while using stainless steel construction for hygiene, washdown and corrosion resistance. Preferred where mild steel finish is not suitable — food, pharmaceutical, water processing, medical and clean industrial environments.

HDWMC SERIES

HDWMC Cup Mounts – Captive Cup Mounts



Mechanically captive cup mounts for vibration isolation and shock protection in on-road vehicles, railways, windmills, generators, control cabinets, hydraulic pumps, naval and marine applications. The captive construction helps control rebound and multi directional movement for mobile, dynamic and shock exposed equipment.

Mount Series – HDCU & HD RH

HDCU SERIES

HDCU Universal Cup Mounts



Universal cup mounts that can be installed in different orientations for equipment exposed to shock, severe environments, high frequency vibration and structure borne noise. Useful for sensitive equipment protection where the mount may experience compression, rebound or angled loading. Selected when orientation flexibility and shock control are important.

HD RH SERIES

HD RH Rotohan Mounts



Rubber mount series for diesel engines, fans, pumps, generators, air conditioners, trapeze pipes and amusement equipment. The Rotohan style design provides resilient support for rotating or oscillating machinery, helping control radial movement, vibration feedback and structure borne noise. Suitable where equipment movement has both vertical and radial components.

Mount Series – HD HF, HD GB & HD Beedings

HD HF SERIES

HD HF High Frequency Mounts



Compact machinery mounts for high frequency shock and vibration isolation in generators, radar systems, sensitive equipment, machining centres and communication applications. Selected where compact space, fast vibration response and protection of sensitive components are more important than large static deflection.

HD GB SERIES

HD GB Giant Buffers – Shock Buffers



Heavy shock absorption buffers for ship mountings, naval equipment, concrete machines, high shock machines and aerospace applications. Intended to absorb impact energy, allow controlled deflection and reduce severe shock transfer to the base structure, skid or supporting frame. Selected where rugged protection is required more than fine leveling.

HD BEEDINGS SERIES

HD Rubber Beedings – Rubber Profiles



Rubber beedings and profiles for vibrating screens, crusher equipment, aluminium doors and windows, and industrial sealing or support needs. Help prevent metal to metal contact, improve grip, reduce rattle and provide cushioning at contact points. Useful where continuous vibration, weather exposure, abrasion or edge contact can damage equipment parts.

Mount Series – HDD & HDF

HDD SERIES

HDD Hollow Rubber Springs – Hollow Springs



Hollow rubber spring mounts for low frequency, high deflection applications such as vibratory screens, separators, vibrating tables, mobile equipment and construction machinery. The hollow geometry allows larger compression movement and energy absorption, useful where controlled deflection, self damping and repeated dynamic movement are required without using metal springs.

HDF SERIES

HDF Foot Mounts – Mild Steel Foot Mounts



Adjustable mild steel foot mounts with rubber base for mobile applications, automation setups, precision machines, construction equipment, food industry equipment and laboratory machinery. The threaded leveling arrangement supports height adjustment and machine alignment, while the rubber base helps reduce transmitted vibration and improves floor contact.

Mount Series – HDFP, HDI & HDSB-RB

HDFP SERIES

HDFP Nylon Swivel Foot Mounts



Swivel type leveling mounts with nylon pad base and angular adjustment capability. The swiveling foot adapts to uneven floors and angular surfaces, suitable for machine tools, electronic racks, precision machines, industrial equipment and laboratory setups where clean leveling, surface protection and simple adjustment are required.

HDI SERIES

HDI Cylindrical Dampers



Bonded cylindrical rubber dampers for motors, relays, control panels, air conditioners, lab equipment, compressors and centrifuges. Available in stud, bush and combination configurations, useful for small to medium loads where compression or shear damping is required in a compact rubber to metal bonded component.

HDSB-RB SERIES

HDSB-RB Heavy Buffers – Heavy Duty Buffers



Heavy duty SB and RB buffer series for mobile equipment, naval equipment, concrete machines, presses, high shock machines and road laying equipment. Selected for high static loads, repeated impact and rugged field service where strong compression resistance and shock absorption are required. Help protect the base frame from sudden load transfer.

Mount Series – HDJ, HDJB & HDSW

HDJ SERIES

HDJ Wedge Mounts



Free standing wedge mounts using the jack level principle for precision leveling and vibration isolation. Useful for CNC machinery, drilling machines, milling machines and machining centres where the machine must be leveled accurately while avoiding foundation bolts or permanent grouting. Supports machine alignment and passive vibration control.

HDJB SERIES

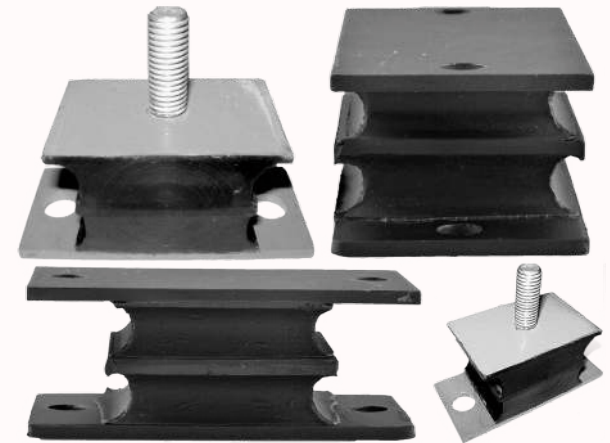
HDJB Firm Wedge Mounts



Jack bolt wedge mounts for firm machine mounting and high axial thrust applications such as die casting machines, shock testing machines and cold extrusion presses. Gives a stronger machine holding arrangement where thrust, impact and positional stability are critical. Suited for machines that cannot be allowed to creep or shift.

HDSW SERIES

HDSW Sandwich Bonded Rubber – Sandwich Mounts



Low profile bonded rubber sandwich mounts for compact vibration and shock protection. Rubber bonded between metal plates provides stable load support in a small height, useful for motors, relays, control panels, air conditioners, lab equipment, compressors and other compact equipment assemblies where height and space are limited.

Mount Series – HDB, HDHB & HDN

HDB SERIES

HDB Big Buffer Mounts



Rubber compression springs and big buffer range for vibrating screens, dewatering screens, crushers, conveyors, compactors and weighbridge machinery. Supports high deflection and heavy vibration conditions where the machine requires movement for operation but transmitted force to the frame or foundation must be limited.

HDHB SERIES

HDHB Hollow Block Mounts



Components and rubber feet for hollow block machines and industrial equipment. These hollow block mounts and bumper components provide cushioning, support and impact protection for machine frames, pallets, material handling trolleys and equipment where repeated contact, vibration or rough handling can cause wear or structural damage.

HDN SERIES

HDN Windmill & On-Road Spares



Shock and vibration isolation spares for windmills, on-road vehicles, railways, mobile equipment, construction equipment and naval applications. Intended for rugged outdoor and mobile service where vibration, road shock, weather exposure and dynamic loading must be considered together. Supports equipment working under changing field conditions.

Mount Series – HDA, HD TC, HDPM & HD Impact Pads

HDA SERIES

HDA Adaptor Mounts



Adaptor mounts for heavy duty on-road and off-road mobile applications, construction equipment, pumps and compressors. These mounts help interface machines or engines with the base frame, allowing vibration control and practical installation in truck, bus, marine, generator and off-highway equipment setups. Useful when standard mounting patterns need adaptation.

HD TC SERIES

HD TC Tyre Couplings – Couplings



Tyre coupling series for gensets, pump sets and drive mechanisms. The flexible tyre element absorbs shock, vibration and impact loads while allowing angular, parallel and axial misalignment. Helps protect connected shafts, bearings and drive components from harsh transmission forces and reduces maintenance issues in power transmission systems.

HDPM SERIES

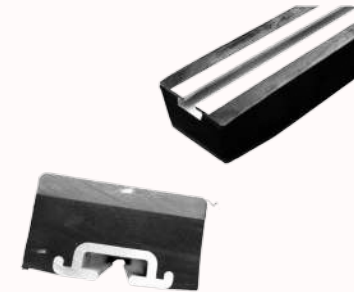
HDPM Bonded Tube Mounts



Bonded tube mounts for generators, HVAC equipment, electronic equipment, truck and off-highway cabs, machinery, pumps and compressors. The tubular rubber to metal bonded design supports load while allowing controlled deflection, suitable for equipment that needs vibration isolation with a compact cylindrical mounting format and dependable bonded construction.

HD IMPACT PAD SERIES

HD Impact Pads – Conveyor Impact Pads



Conveyor loading zone impact pads for absorbing transfer point impact, reducing belt damage, preventing sagging and lowering maintenance in conveyor belt systems. Positioned below the belt at loading points to absorb falling material energy, protect the belt structure and improve conveyor reliability in bulk handling applications.

Contact HIDAMP – Get a Recommendation

For faster recommendation, share machine weight, number of mounts, hole pattern, PCD, available height, mounting orientation, movement type, environment and photographs/drawings.

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Mobile App

The Vibration Isolation Group mobile application is available on the **Google Play Store** — measure and analyse vibration using your smartphone's built-in motion sensors.

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