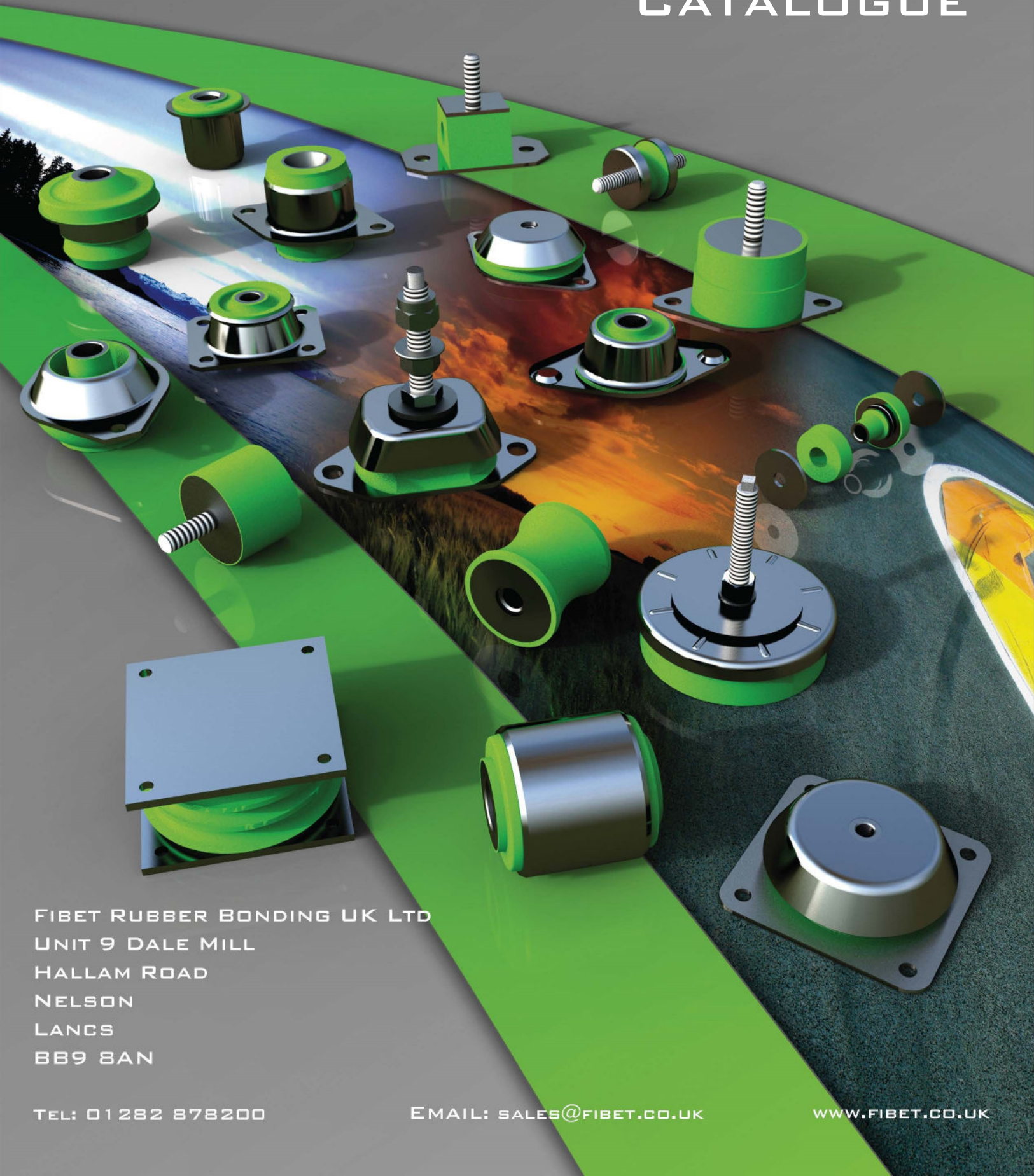




VIBRATION ISOLATION

SYSTEMS & COMPONENTS

# CATALOGUE



FIBET RUBBER BONDING UK LTD  
UNIT 9 DALE MILL  
HALLAM ROAD  
NELSON  
LANCS  
BB9 8AN

TEL: 01282 878200

EMAIL: [SALES@FIBET.CO.UK](mailto:SALES@FIBET.CO.UK)

[WWW.FIBET.CO.UK](http://WWW.FIBET.CO.UK)



## Our Trademarks

**fiviSTOP®**

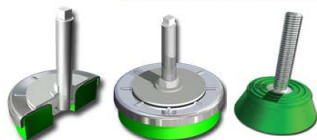
The FIVISTOP® range of antivibration mountings are intended to reduce vibrations and structure borne sounds.

This comprehensive range of mounts has been designed to offer a solution to any vibration problem.

**FIBEL®**

Our FIBEL® range of bushes is the widest selection in the UK – available in a range of different types to suit the assembly onto the application, and can be offered in either semi-bonded, fully bonded or un-bonded.

In addition, if you can't find a solution within our standard range, Fibet are also able to manufacture Bushes to specific requirements.

**fiviLEVEL®**

Although our FIVISTOP® range of products can be used as isolation feet, our FIVILEVEL® range is a specific series of adjustable Levelling Feet to support free standing plant and machinery.

To ensure that Fibet are able to offer the largest range, we are also the UK distributor for MARTIN® range of Levelling Feet.

**ASP®**

The ASP refers to our bespoke range of products specifically developed for each particular OEM customers' requirements.

Our highly skilled team of Engineers can support the customer throughout their new product development process.



**FIBET**  
GROUP

## Who We Are

### Overview

The Fibet Group was formed in 1952 – initially focussed on supporting the Automotive Industry with the development and manufacturing of rubber to metal bonded parts and other elastomer components.

In the mid seventies, in addition to the existing range, FIBET started to develop and manufacture a large selection of rubber to metal bonded anti vibration and isolation components for other areas outside the automotive sector including earthmoving and off road machines, agricultural machinery, generators, railway industries, compressors, wind turbines to name a few.

Fibet have now been operating as an independent family run business for over 60 years, with sites in Italy, China and the UK, and are now renowned as one of the world leaders in the field of the mechanical application of elastomer.

The level of experience developed throughout these years complete with the close liaisons with reputable research institutes, has ensured that the Fibet Group remain at the forefront of the Technological advances, both in product application as well as in the raw material technology used for the development of the optimum solutions.

This knowledge is unsurpassed within the industry, and is necessary to ensure that all customers' requirements relative to vibration isolation are achieved at the highest levels.

### Manufacturing

Fibet have two manufacturing sites - one as part of our Headquarters in Turin, Italy - which focuses on the development/ manufacture of medium – high technology AVM's - produced in volumes from small batch quantities, through to significantly high volumes.

We also have a second site based in Zhongshan, China - which focuses on low technology, very high volume/ low cost products.

These facilities provide Fibet with an extensive range of machines and capabilities that provides flexibility in terms of aligning the process choice with the customers' volume and cost requirements.

This capacity assures inhouse control of all key processes and provides high capabilities to respond to customers' urgent requirements within the shortest leadtime.

Our inhouse toolrooms assure that we can minimise tooling capital outlay, optimise batches to suit required production volumes, and resultantly align process with customers' requirements.

### Accreditations

All Fibets' activities are closely controlled in accordance with ISO9001:2008 & ISO/TS16949:2009







## Our Expertise

### Technical Competence

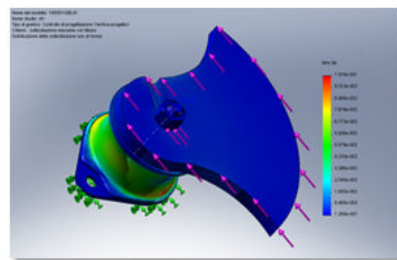
Our technical expertise is market leading, with high levels of experience gained over many years in all applications.

The technical resources available includes product conceptualisers, design & development for our products ( using the latest CAE & FEA techniques), tooling & processes – supported by our inhouse Toolroom & Laboratory testing to provide any level of life cycle/ durability testing to assure the performance of the product in application.

As a result, our NPI leadtimes are unbeatable within the industry, with our ability to work from the concept stage, through to initial prototypes within a small number of weeks following the initial project start. We are then able to proceed with production volumes inline with the customers' timeplans.

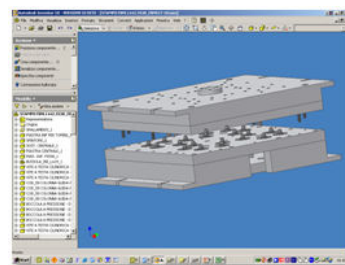
### Project and Co-design

MATLAB dedicated applications;  
 Specialized CAE & FEA software to predict stiffness;  
 Options to work in partnership with POLITECNICO  
 of Turin and CNR



### Tool Design, Development & Manufacture

CAD-CAE: Autodesk Inventor and Mechanical Desktop stations  
 CAD-CAM: Vero International stations  
 Full inhouse toolroom facilities



### Quick Prototypes and Production Optimization

Prototype moulding machines;  
 Prototypes laboratory facilities;  
 Prototype Quality Control Plans

### Inspection Capabilities

Mechanical test on raw materials, semi-finished parts, normalized materials (durability and life test, tensile stress test, compression test, hardness test) - Rheometric characteristics Integrated testing software  
 Conformity Certification Document Management  
 Dimensional measurement  
 PPAP Samples management







## **Vibration Overview**

Vibration is an unacceptable but inevitable side effect that is generated by the operation of any plant, equipment or other application - irrespective of whether they are mechanically or electrically driven.

Excessive vibration is undesirable to the manufacturer as well as the end user, as it increases maintenance costs and associated downtime and it reduces the overall lifespan of the application.

As a result, the correct selection of Vibration Isolation Mounts is critical to the correct functioning of the application, its' longevity from a lifecycle point of view and for the acceptance to the end user.

However, the choices of Anti Vibration Mounts available on the Market are significant – with the result that careful selection is critical towards selecting the right solution for your application.

This selection process needs to take account of a number of factors, which include:-

### **Core elements**

- The basic design of the application - specifically its function, mass, operation and centre of gravity.
- The available number of positions for securing the Mounts on the application, as well as the dimensional constraints around each position.
  - N.B. It is critical to select a Mount type that achieves the desired level of isolation within the working envelope (physical size during operation) available.
- Whether the application requires a fail-safe solution to protect the mount, application and/or the user in event of any abuse, shock or failure conditions.

### **Location**

- The intended location and installation method of the application relative to other factors.
    - i.e. Will the application be floor, wall, roof mounted or hung?
- This is critical towards determining which Mount design should be used.

### **Environment**

- The environmental conditions are a critical element in the selection process for a Mount. These include :-
  - Temperature
    - Consideration for the transient temperature passing from the application into the Mount is required, as well as the temperature local to the Mounting positions.
    - The general ambient temperatures also need consideration including any sporadic temperature peaks (or lulls) resulting from other adjacent components, equipment (i.e. Exhausts) etc.
  - Exposure
    - Consideration for any other factors including Fluids (Oil, Fuel, Chemicals, Water) etc.

### **Dynamic forces**

- Whilst the physical mass in static mode is quite easy to determine, there is a need to consider the other forces that come into play during operation of the application.
- The forces that will be introduced; in addition to the vertical forces may include lateral, transverse or cyclical forces – each of which requires careful consideration in the choice of mount.

Dependant on these forces, there may be a requirement for a Mount that can operate in all directions (Axial, Radial, Torsional and/or Conical) to differing degrees of stiffness.

Unfortunately, as you can see, the subject of vibration can be quite complex with many variable factors - each of which may dictate a different Mount solution.

However, if you're happy to select a Mount option following consideration of these factors, Fibet has one of the most extensive range of products that will cover every requirement you have.

Alternatively, if you'd like Fibet to assist you in this process and direct you to the optimum solution at the lowest price, please do not hesitate to contact us.



## Contents

### Standard Mounts

Page 8 - 23

(Including Replacement Bell  
Mount Quick Reference Table)



### High Deflection Mounts

Page 24 - 26



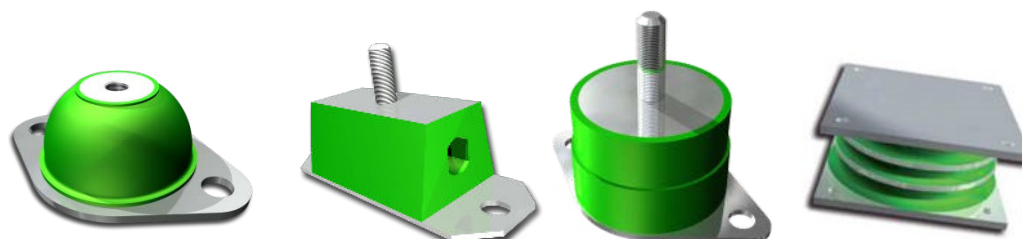
### Height Adjusters

Page 27 - 29



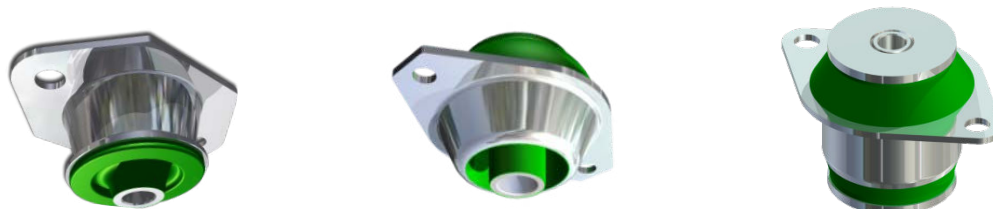
### Pedestal Mounts

Page 30 - 43



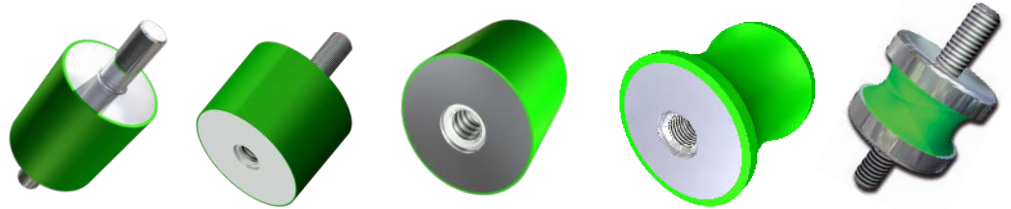
### Cab/ Cone Mounts

Page 44 - 58





**Bobbin Mounts**  
Page 59 - 84



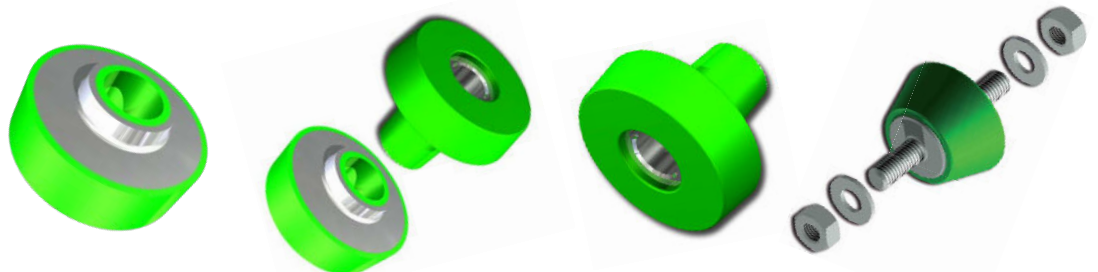
**Buffers/ End Stops**  
Page 85 - 105



**Bushes**  
Page 106 - 122



**Universal**  
Page 123 - 133

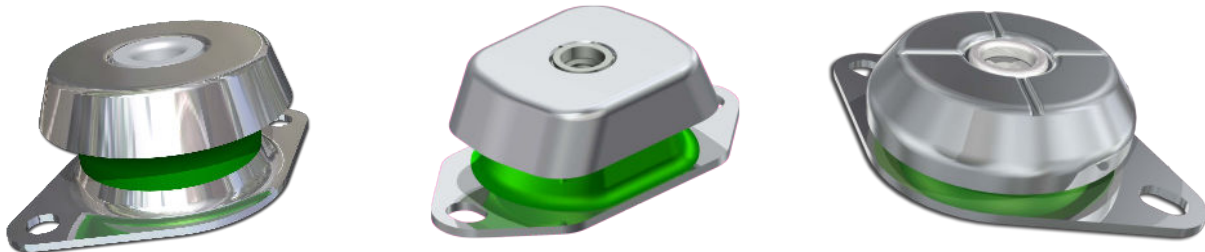


**Levelling Feet**  
Page 134 - 137





## **Quick Reference Guide to assist you in choosing a Replacement Bell Mount**



When selecting Mounts for new applications, it is critical to select a Mount that achieves the desired level of isolation within the dimensional constraints appertaining to the application.

In these instances, our team at Fibet UK are more than happy to support you in choosing the right product to satisfy your requirements.

However, there are occasions where you may already have a mount on your application that is in need of replacement.

Under these circumstances, Fibet appreciates that as we have such a large and extensive range, it is at times difficult to find a Mount that will be the closest to the Mounts you're replacing.

As such, we have created this quick reference table to guide you towards our recommended solution based on a small number of key factors.

Please note that whilst this table will guide you to a solution based on only 3 key factors, please refer to respective Data Sheet to ensure that all the other dimensions and load characteristics of the Mount are suitable for your application.

In addition, if the application is currently exhibiting vibration issues, is subject to any harsh environmental conditions, or if you have any further questions - please do not hesitate to contact us.

### **Stage 1 - Load Per Mount**

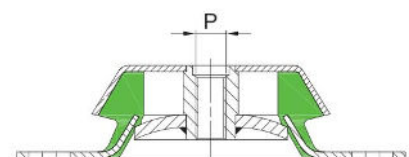
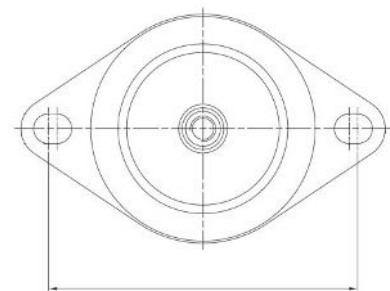
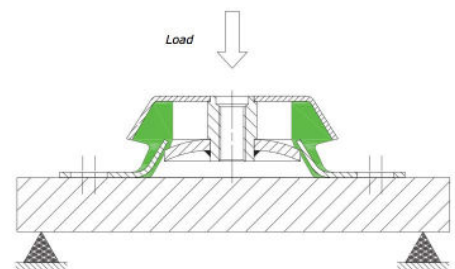
Calculate the static load that your application will apply onto each Mount.

Refer to the "Optimum Load" value to select the mount that is closest to this load.

Please note that "Optimum Load" equates to approx. 60% of the Mounts normal working field. This allows the Mount to function during overload or abuse conditions (i.e. start/stop etc.)

Please note that in the majority of instances, the Mount chosen from this table will provide an isolation level of between 60 - 99.5%.

However, this is dependant on the frequency of the application, so if it is below 16.7Hz (1,000RPM), please contact Fibet for a more accurate Mount selection.



### **Stage 2 - Baseplate Securing Hole Centres**

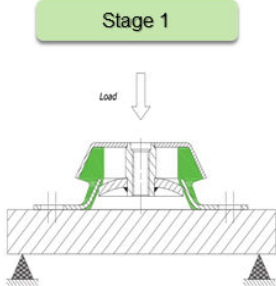
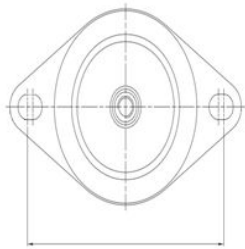
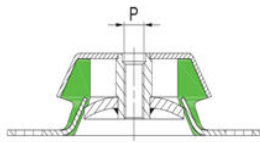
Measure the securing hole centres for the Base Plate. Refer to the "Securing Hole Centres" column for the Mounts alongside the "Optimum Load" you need.

### **Stage 3 - Centre Securing Hole**

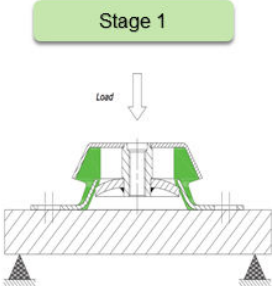
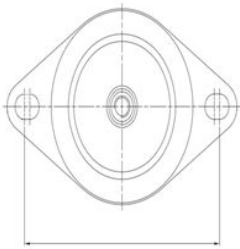
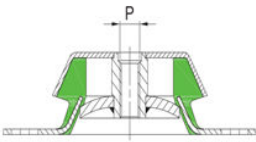
Decide which thread you need for the Centre Securing Hole. Refer to the "Centre Hole" column for the Mounts alongside the "Optimum Load" you need.

Refer to the respective Data Sheet to confirm that all other dimensions are inline with your requirements.

# REPLACEMENT BELL MOUNT

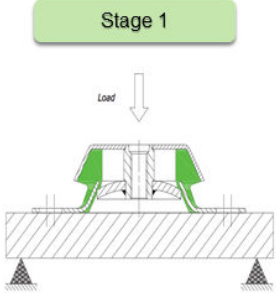
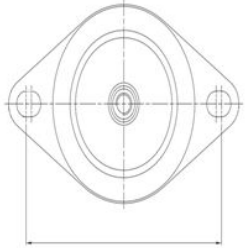
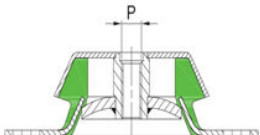
Part Ref:	Max load (Kg)	1 Optimum Load (Kg)	2 Securing Hole Centres (mm)	3 Centre Hole (mm)	Page Ref.	Schematic
CFE623110XW	25.5	15.3	75 - 90	M10	13	<div>Stage 1</div>  <div>Optimum Load</div>
CFBMS633510W	30.6	18.4	88	M10	25	
CFE623110W	34.7	20.8	75 - 90	M10	13	
CFE623112W	34.7	20.8	75 - 90	M12	13	
CCFQ804012W	36.0	21.6	100	M12	23	
CFE623110K	43.8	26.3	75 - 90	M10	13	
CFE623112K	43.8	26.3	75 - 90	M12	13	
CCFQ804012K	52.0	31.2	100	M12	23	
CFE623110M	54.0	32.4	75 - 90	M10	13	
CFE623112M	54.0	32.4	75 - 90	M12	13	
CFBMS633510M	61.2	36.7	88	M10	25	
CCFQ804012M	64.0	38.4	100	M12	23	
CFAB-3	71.4	42.8	76	M12	15	<div>Stage 2</div>  <div>Securing Hole Centres</div>
CCFQ1045016XW	80.0	48.0	140	M16	23	
CFBMS833510W	81.6	48.9	110	M10	25	
CFBMS833512W	81.6	48.9	110	M12	25	
CFE623110H	84.6	50.8	75 - 90	M10	13	
CFE623112H	84.6	50.8	75 - 90	M12	13	
CCFQ804012H	96.0	57.6	100	M12	23	
CFBMH783010W	110.1	66.1	110	M10	20	
CFBMH783012W	110.1	66.1	110	M12	20	
CCF603510W	112.2	67.3	75 - 90	M10	17	
CCF603512W	112.2	67.3	75 - 90	M12	17	
CFAB-2	112.2	67.3	76	M12	15	
CCFQ1045016W	120.0	72.0	140	M16	23	<div>Stage 3</div>  <div>Centre Hole</div>
CCF623110W	127.5	76.5	75 - 90	M10	17	
CCF623112W	127.5	76.5	75 - 90	M12	17	
CFAB-0	132.6	79.5	76	M12	15	
CCFS1064212W	142.8	85.7	138 - 146	M12	25	
CCFS1064216W	142.8	85.7	138 - 146	M16	25	
CCF773010W	149.9	89.9	110	M10	17	
CCFS823510H	163.2	97.9	110	M10	25	
CCFS823512H	163.2	97.9	110	M12	25	
CFBMS1064212W	170.3	102.2	137-149	M12	25	
CFBMS1064216W	170.3	102.2	137-149	M16	26	
CFBMH923510W	178.5	107.1	123.5	M10	20	
CFBMH923512W	178.5	107.1	123.5	M12	20	

# REPLACEMENT BELL MOUNT

Part Ref:	Max load (Kg)	1 Optimum Load (Kg)	2 Securing Hole Centres (mm)	3 Centre Hole (mm)	Page Ref.	Schematic
CFBMS833510M	183.5	110.1	110	M10	25	<div>Stage 1</div>  <div>Optimum Load</div>
CFBMS833512M	183.5	110.1	110	M12	25	
CCFQ1045016M	190.0	114.0	140	M16	23	
CCF603510M	193.7	116.2	75 - 90	M10	17	
CCF603512M	193.7	116.2	75 - 90	M12	17	
CCF823510W	203.9	122.4	110	M10	18	
CCF623110M	216.2	129.7	75 - 90	M10	17	
CCF623112M	216.2	129.7	75 - 90	M12	17	
CFBMH1063812W	257.0	154.2	137-149	M12	20	
CFBMH1063816W	257.0	154.2	137-149	M16	21	
CFBMH783010M	272.3	163.4	110	M10	20	<div>Stage 2</div>  <div>Securing Hole Centres</div>
CFBMH783012M	272.3	163.4	110	M12	20	
CCFS1064212M	280.4	168.3	138 - 146	M12	25	
CCFS1064216M	280.4	168.3	138 - 146	M16	25	
CCF773010M	285.5	171.3	110	M10	17	
CCF603510H	295.7	177.4	75 - 90	M10	17	
CCF603512H	295.7	177.4	75 - 90	M12	17	
CCFQ1045016H	300.0	180.0	140	M16	23	
CCF924512W	305.9	183.5	110	M12	18	
CCF623110H	318.2	190.9	75 - 90	M10	17	
CCF623112H	318.2	190.9	75 - 90	M12	17	<div>Stage 3</div>  <div>Centre Hole</div>
CFBMH923510M	321.2	192.7	123.5	M10	20	
CFBMH923512M	321.2	192.7	123.5	M12	20	
CCFQ1307020W	330.0	198.0	182	M20	23	
CFBMS1064212M	341.6	205.0	137-149	M12	25	
CFBMS1064216M	341.6	205.0	137-149	M16	25	
CCF823510M	351.8	211.1	110	M10	18	
CFBMH1254316W	358.9	215.4	156	M16	21	
CCF1085016/5W	407.9	244.7	160	M16	18	
CCF1063812W	428.3	257.0	138 - 146	M12	18	
CCF1063816W	428.3	257.0	138 - 146	M16	18	
CCF773010H	428.3	257.0	110	M10	17	
CCFS1064216H	433.4	260.0	138 - 146	M16	25	
CCFS1505016W	448.7	269.2	132	M16	26	
CFBMH1063812M	458.9	275.3	137-149	M12	20	
CFBMH1063816M	458.9	275.3	137-149	M16	21	
CFBMS1505416W	458.9	275.3	182	M16	26	



# REPLACEMENT BELL MOUNT

Part Ref:	Max load (Kg)	1 Optimum Load (Kg)	2 Securing Hole Centres (mm)	3 Centre Hole (mm)	Page Ref.	Schematic
CCFQ1045016XH	475.0	285.0	140	M16	23	<div>Stage 1</div> 
CCFS1214216W	509.9	305.9	158	M16	26	
CCFS1444816XW	537.4	322.4	179 - 186	M16	26	
CCFQ1307020M	540.0	324.0	182	M20	23	
CCF924512M	596.5	357.9	110	M12	18	
CCFS1064212XH	611.8	367.1	138 - 146	M12	25	
CCFS1064216XH	611.8	367.1	138 - 146	M16	25	
CCF1063812M	673.0	403.8	138 - 146	M12	18	
CCF1063816M	673.0	403.8	138 - 146	M16	18	
CCF1085016/5M	673.0	403.8	160	M16	18	
CCFS1444816W	713.8	428.3	179 - 186	M16	26	<div>Optimum Load</div>
CFBMH1444816W	713.8	428.3	182	M16	21	
CFBMH1254316M	754.6	452.8	156	M16	21	
CCFS1214216M	775.0	465.0	158	M16	26	
CCFQ1307020H	810.0	486.0	182	M20	23	
CFBMS1505416M	815.8	489.5	182	M16	26	
CFBMH1605820W	856.6	513.9	140	M20	21	
CCFQ1307020XH	880.0	528.0	182	M20	23	
CCFS1505016M	897.4	538.4	132	M16	26	
CFBMS1808620W	917.7	550.6	146	M20	26	
CCF924512H	948.3	569.0	110	M12	18	<div>Stage 2</div>  <div>Securing Hole Centres</div>
CCF1063812H	978.9	587.4	138 - 146	M12	18	
CCF1063816H	978.9	587.4	138 - 146	M16	18	
CCF1085016/5H	978.9	587.4	160	M16	18	
CFBMH1806620W	1142.1	685.2	160	M20	21	
CCFS1214216H	1182.9	709.7	158	M16	26	
CCFS1505016H	1264.4	758.7	132	M16	26	
CCFS1444816M	1366.4	819.9	179 - 186	M16	26	
CFBMH1444816M	1366.4	819.9	182	M16	21	
CFBMH1605820M	1570.4	942.2	140	M20	21	
CFBMS1808620M	1733.5	1040.1	146	M20	26	<div>Stage 3</div>  <div>Centre Hole</div>
CFBMS22010524W	1733.5	1040.1	180	M24	26	
CCFS1444816H	1988.4	1193.1	179 - 186	M16	26	
CFBMH1806620M	2284.2	1370.5	160	M20	21	
CFBMS22010524M	3467.0	2080.2	180	M24	26	



## LIGHT DUTY BELL MOUNTS

## Type CFE

This mount offers a low profile, easy to install design with an integral fail-safe device to provide shock and failure protection for mobile, marine or seismic stationary applications.

When the rubber works in shear and compression it provides large static deflections, low natural (to 8 hz) and high isolation.

Our CFE range is designed with a fail-safe function making it an ideal solution for applications where safety is paramount and can accommodate loads between 7.5daN (approx. 7kg) to 83 daN's (approx. 84kg) per Mount.



### STANDARD PRODUCTION

Bell and flange: DD13 or DC04 steel (UNI EN 10111 ALT UNI EN 10130)

Fail-safe device: 11SMnPb37 (UNI EN 10087)

Natural rubber NR

Zinc plated in accordance with CE standard CHROME VI free, white

Stiffness tolerance +/- 15%

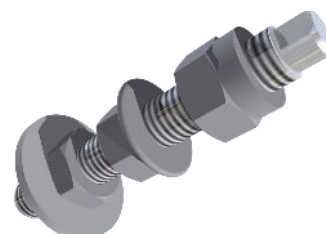
### APPLICATIONS

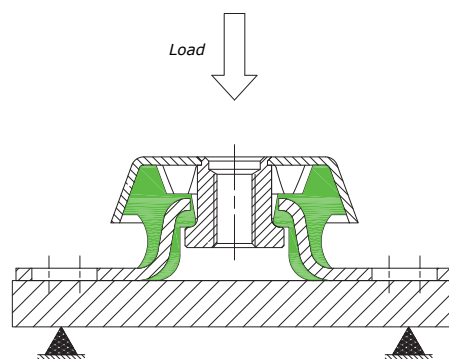
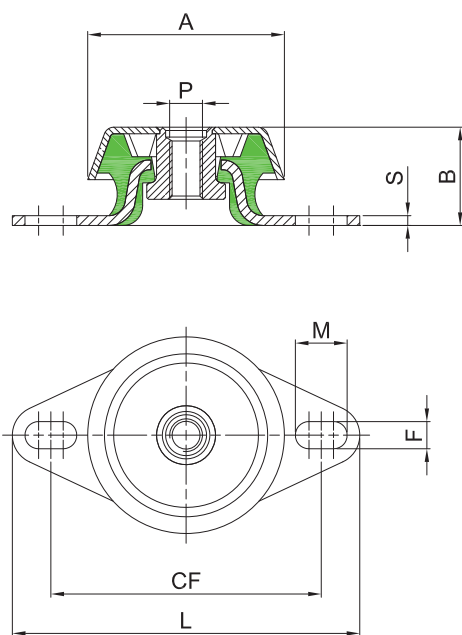
- Gensets • Marine power engines
- Diesel engines • Pumps • HVAC

### OPTIONS & ADDITIONAL PARTS

Stainless steel version

Height adjuster





Bell Mounts can withstand up to 2g of shock forces or 5g occasional shock forces with regard to the load without permanent deformation or failing .

(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	P	FxM	CF	L	S	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
<b>CFE623110XW</b>	35	60	31	M10	8,3X16	75 90	106	3	7,5	25	3,3
<b>CFE623110W</b>	45								10,0	34	3,4
<b>CFE623110K</b>	50								13,0	43	3,3
<b>CFE623110M</b>	60								16,0	53	
<b>CFE623110H</b>	70								25,0	83	
<b>CFE623112W</b>	45	60	31	M12	8,3X16	75 90	106	3	10,0	34	3,4
<b>CFE623112K</b>	50								13,0	43	3,3
<b>CFE623112M</b>	60								16,0	53	
<b>CFE623112H</b>	70								25,0	83	





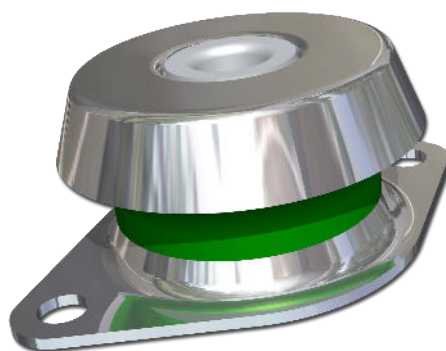
## MEDIUM DUTY BELL MOUNTS

## Type CFAB

This mount offers a low profile, easy to install design with an integral fail-safe device to provide shock and failure protection for mobile, marine or seismic stationary applications.

When the rubber works in shear and compression it provides large static deflections, low natural (to 8 hz) and high isolation.

Our CFAB range is designed with a fail-safe function making it an ideal solution for applications where safety is paramount can accommodate loads between 20daN (approx. 20kg) to 130 daN's (approx. 132kg) per Mount.



### STANDARD PRODUCTION

Bell and flange: DD13 or DC04 steel (UNI EN 10111 ALT UNI EN 10130)

Fail-safe device: 11SMnPb37 (UNI EN 10087)

Natural rubber NR

Zinc plated in accordance with CE standard CHROME VI free, white

Stiffness tolerance +/- 15%

### APPLICATIONS

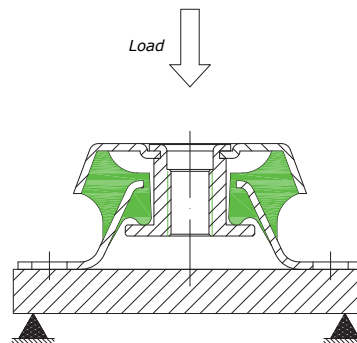
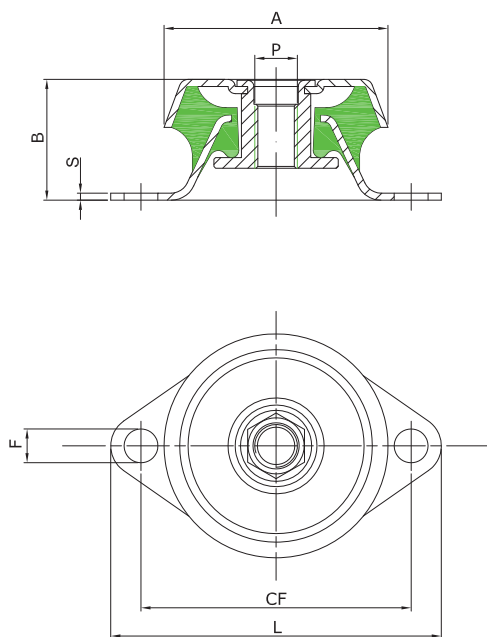
- Gensets • Marine power engines
- Diesel engines • Pumps • HVAC

### OPTIONS & ADDITIONAL PARTS

Stainless steel version

Height adjuster





*Bell Mounts can withstand up to 2g of shock forces or 5g occasional shock forces with regard to the load without permanent deformation or failing .*

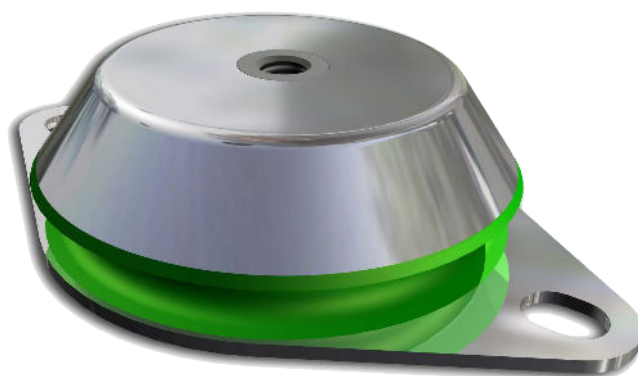
(N.B. 1 daN = 1.0197 kgf)

Item	A	B	P	F	CF	L	S	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
<b>CFAB-3</b>	63	34	M12	9,5	76	93	2	20	70	3,5
<b>CFAB-2</b>	63	34	M12	9,5	76	93	2	30	110	3,5
<b>CFAB-0</b>	63	34	M12	9,5	76	93	2	37	130	3,5

The CCF range of Mounts allow a high level of insulation especially when used on generators, engines and systems with an operating frequency at around 25 Hz (1500 rpm).

Axial stresses are perfectly absorbed and side deflections limited to guarantee good stability.

These Bell mounts are designed with a fail-safe function making it an ideal solution for applications where safety is paramount, and can accommodate loads between 45daN (approx. 46kg) to 960 daN's (approx. 978kg) per Mount.



### STANDARD PRODUCTION

Bell and flange: DD13 or DC04 steel (UNI EN 10111 ALT UNI EN 10130)

Fail-safe device: 11SMnPb37 (UNI EN 10087)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 15%

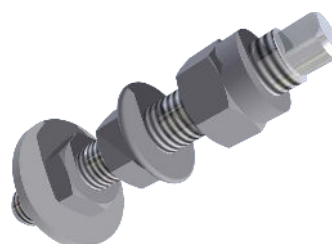
### APPLICATIONS

- Gensets • Engines • Tooling machinery
- Pumps • Special equipment • HVAC

### OPTIONS & ADDITIONAL PARTS

Stainless steel version

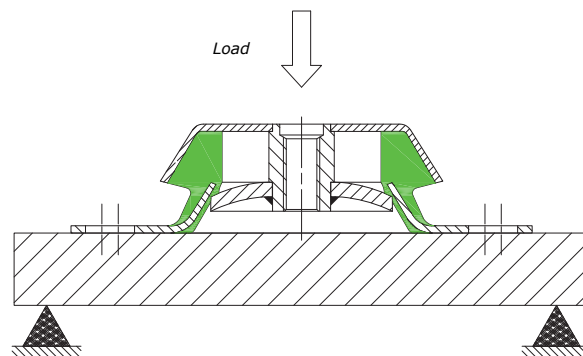
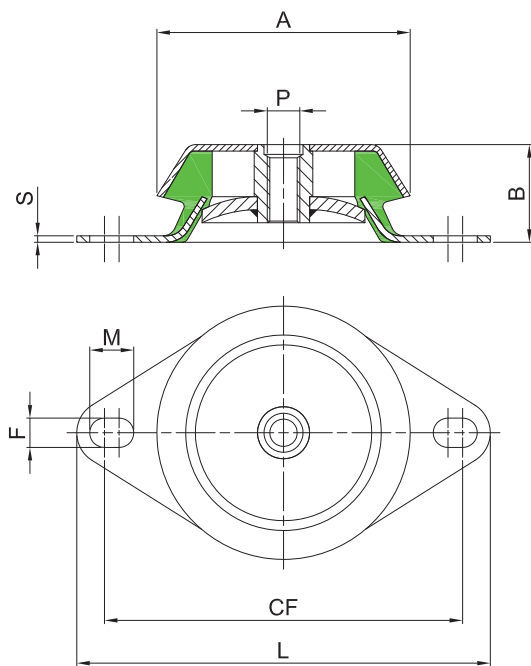
Height adjuster





# HEAVY DUTY BELL MOUNTS

## Type CCF



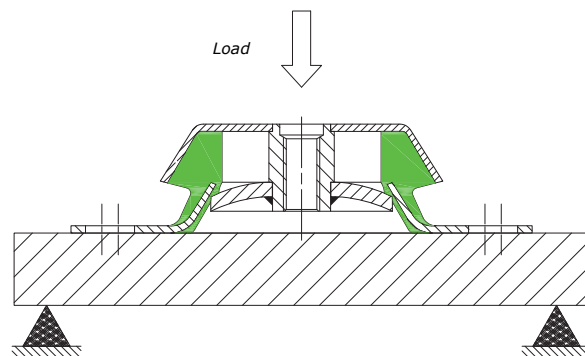
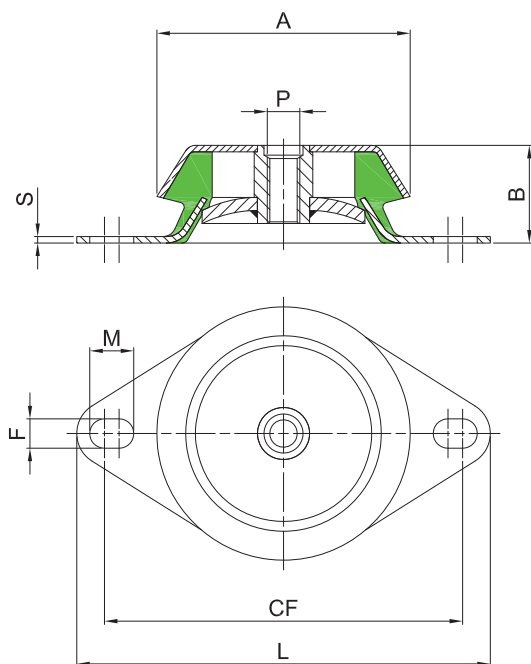
Bell Mounts can withstand up to 2g of shock forces or 5g occasional shock forces with regard to the load without permanent deformation or falling .

(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	P	FxM	CF	L	S	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
CCF603510W	45	60	35	M10	8,3X16	75 90	106	2	45,0	110,0	2,4
CCF603510M	60								80,0	190,0	
CCF603510H	70								120,0	290,0	
CCF603512W	45	60	35	M12	8,3X16	75 90	106	2	45,0	110,0	2,4
CCF603512M	60								80,0	190,0	
CCF603512H	70								120,0	290,0	
CCF623110W	45	60	31	M10	8,3X16	75 90	106	3	50,0	125,0	2,5
CCF623110M	60								85,0	212,0	
CCF623110H	70								125,0	312,0	
CCF623112W	45	60	31	M12	8,3X16	75 90	106	3	50,0	125,0	2,5
CCF623112M	60								85,0	212,0	
CCF623112H	70								125,0	312,0	
CCF773010W	45	77	30	M10	9	110	128	2	42,0	147,0	3,5
CCF773010M	60								80,0	280,0	
CCF773010H	70								120,0	420,0	

# HEAVY DUTY BELL MOUNTS

## Type CCF



Bell Mounts can withstand up to 2g of shock forces or 5g occasional shock forces with regard to the load without permanent deformation or failing .

(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	P	FxM	CF	L	S	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
CCF823510W	45	82	35	M10	11	110	128	2	65,0	200,0	3,0
CCF823510M	60								115,0	345,0	
CCF924512W	45	92	45	M12	10,5	110	138	3	100,0	300,0	3,0
CCF924512M	60								195,0	585,0	
CCF924512H	70								310,0	930,0	
CCF1063812W	45	106	38	M12	14X18	138 146	172	3	120,0	420,0	3,5
CCF1063812M	60								220,0	660,0	
CCF1063812H	70								320,0	960,0	
CCF1063816W	45	106	38	M16	14X18	138 146	172	3	120,0	420,0	3,5
CCF1063816M	60								220,0	660,0	
CCF1063816H	70								320,0	960,0	
CCF1085016/5W	45	108	50	M16	16,5	160	190	5	120,0	400,0	3,3
CCF1085016/5M	60								220,0	660,0	
CCF1085016/5H	70								320,0	960,0	

## HEAVY DUTY BELL MOUNTS

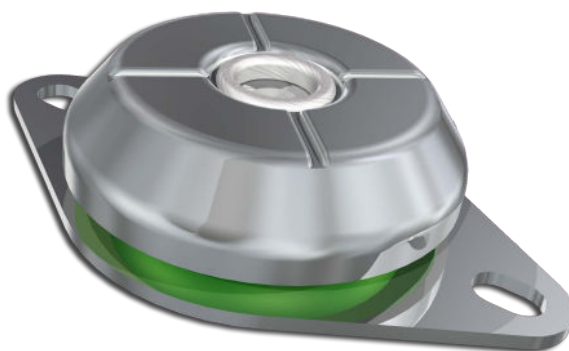
## Type CFBMH

The CFBMH range of Mounts allow a high level of insulation especially when used on generators, engines and systems with an operating frequency at around 25 Hz (1500 rpm).

Axial stresses are perfectly absorbed and side deflections limited to guarantee good stability.

These Bell Mounts are designed with a fail-safe function making it an ideal solution for applications where safety is paramount, and can accommodate a wider range of loads than our CCF range at between 47daN (approx. 49kg) to 2,240 daN's (approx. 2,284kg) per Mount.

Finally, they also incorporate drain channels embossed within the Bell section to assist removal of oil and other contaminants - preventing contact with the Rubber Section.



### STANDARD PRODUCTION

Bell and flange: DD13 or DC04 steel (UNI EN 10111 ALT UNI EN 10130)

Fail-safe device: 11SMnPb37 (UNI EN 10087)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 15%

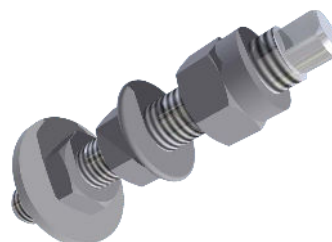
### APPLICATIONS

- Gensets • Engines • Tooling machinery
- Pumps • Special equipment • HVAC

### OPTIONS & ADDITIONAL PARTS

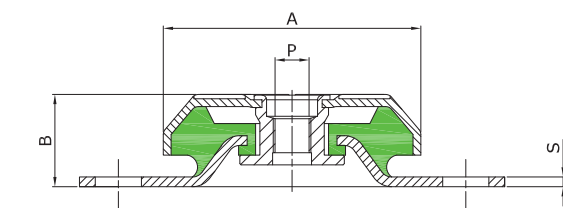
Stainless steel version

Height adjuster

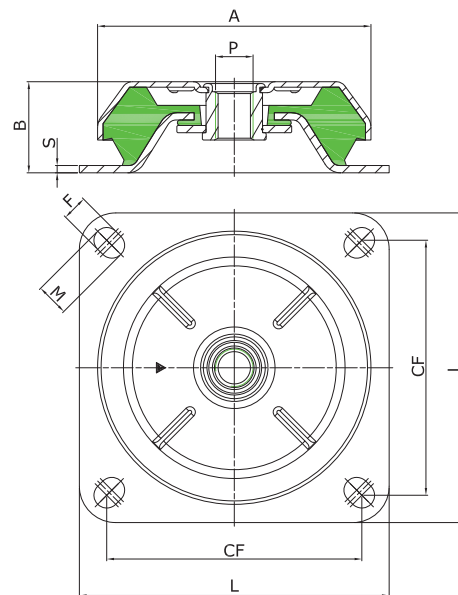


# HEAVY DUTY BELL MOUNTS

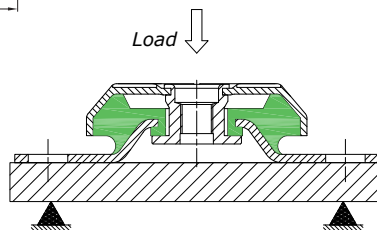
## Type CFBMH



Type 1



Type 2



Bell mounts can withstand up to 2g of shock forces or 5g occasional shock forces with regard to the load without permanent deformation or failing .

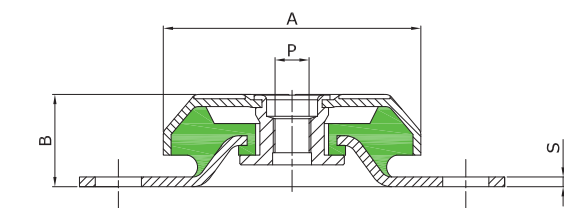
(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	P	FxM	CF	L	S	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	Type
CFBMH783010W	45	78	30	M10	9X12	110	135	2,5	47,0	108,0	2,3	1
CFBMH783010M	60								116,0	267,0	2,3	
CFBMH783012W	45	78	30	M12	9X12	110	135	2,5	47,0	108,0	2,3	1
CFBMH783012M	60								116,0	267,0	2,3	
CFBMH923510W	45	92	35	M10	10X15	123,5	150	3	50,0	175,0	3,5	1
CFBMH923510M	60								90,0	315,0	3,5	
CFBMH923512W	45	92	35	M12	10X15	123,5	150	3	50,0	175,0	3,5	1
CFBMH923512M	60								90,0	315,0	3,5	
CFBMH1063812W	45	106	38	M12	13X19	143	175	4	70,0	252,0	3,6	1
CFBMH1063812M	60								150,0	450,0	3,0	

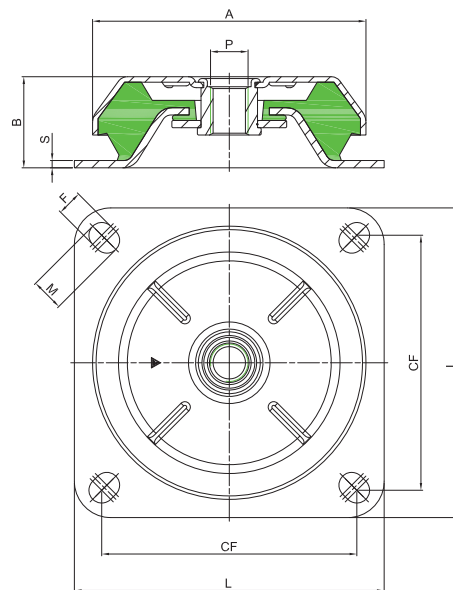


# HEAVY DUTY BELL MOUNTS

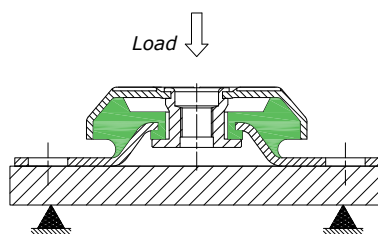
## Type CFBMH



Type 1



Type 2



Bell Mounts can withstand up to 2g of shock forces or 5g occasional shock forces with regard to the load without permanent deformation or failing.

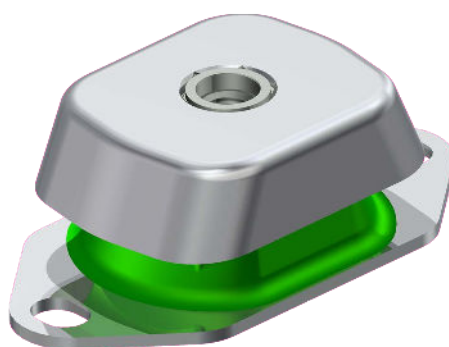
(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	P	FxM	CF	L	S	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	Type
CFBMH1063816W	45	106	38	M16	13X19	143	175	4	70,0	252,0	3,6	1
CFBMH1063816M	60								150,0	450,0	3,0	
CFBMH1254316W	45	125	43	M16	14,5X20	156	192	4	88,0	352,0	4,0	1
CFBMH1254316M	60								185,0	740,0	4,0	
CFBMH1444816W	45	144	48	M16	14,5X18	182	215	5	100,0	700,0	7,0	1
CFBMH1444816M	60								200,0	1340,0	6,7	
CFBMH1605820W	45	160	58	M20	14,5X18	140	170	5	120,0	840,0	7,0	2
CFBMH1605820M	60								220,0	1540,0	7,0	
CFBMH1806620W	45	180	66	M20	14,5	160	190	5	160,0	1120,0	7,0	2
CFBMH1806620M	60								320,0	2240,0	7,0	

This mount offers a low profile, easy to install design with an integral fail-safe device to provide shock and failure protection for mobile, marine or seismic stationary applications.

When the rubber works in shear and compression it provides large static deflections, low natural (to 8 hz) and high isolation.

Our CCFQ range is designed with a fail-safe function making it an ideal solution for applications where safety is paramount, and can accommodate loads between 9daN (approx. 9kg) to 880 daN's (approx. 897kg) per Mount.



### STANDARD PRODUCTION

Bell and flange: DD13 or DC04 steel (UNI EN 10111 ALT UNI EN 10130)

Fail-safe device: 11SMnPb37 (UNI EN 10087)

Natural rubber NR

Zinc plated in accordance with CE standard CHROME VI free, white

Stiffness tolerance +/- 15%

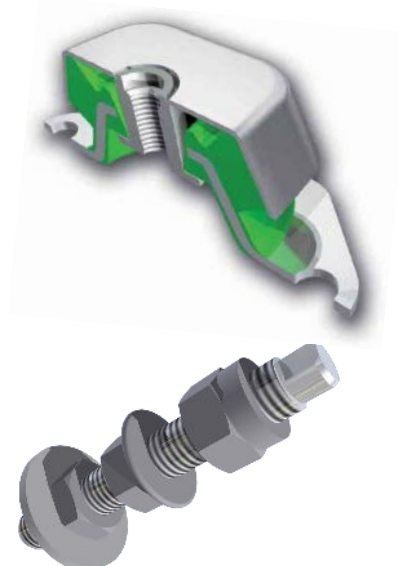
### APPLICATIONS

- Gensets • Marine power engines
- Diesel engines • Pumps • HVAC

### OPTIONS & ADDITIONAL PARTS

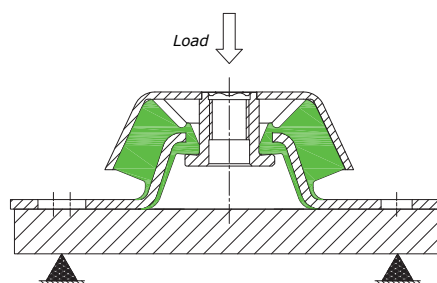
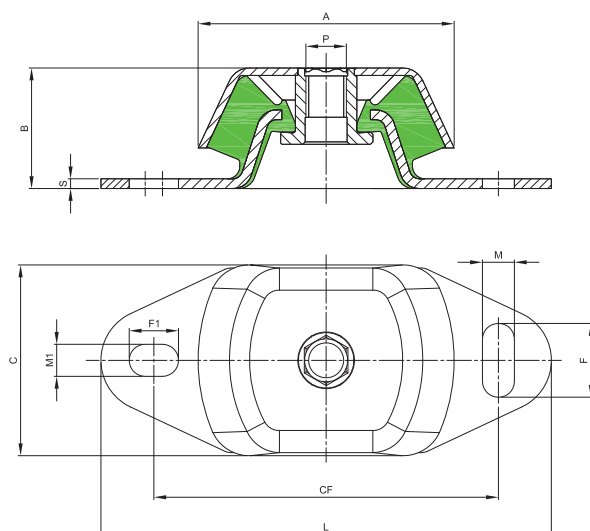
Stainless steel version

Height adjuster



# MARINE MOUNTS

# Type CCFQ



Hard bell mounts can withstand up to 2g of shock forces or 5g occasional shock forces with regard to the load without permanent deformation or failing .

(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	C	P	FxM (F1xM1)	CF	L	S	Average (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	Average weight (kg)
CCFQ804012W	45	80	38	60	M12	14X11	100	120	3	9,0	36,0	4,0	0,35
CCFQ804012K	50									13,0	52,0		
CCFQ804012M	60									16,0	64,0		
CCFQ804012H	70									24,0	96,0		
CCFQ1045016XW	35	104	49	75	M16	30X13 (20X13)	140	183	4	16,0	80,0	5,0	0,85
CCFQ1045016W	45									24,0	120,0		
CCFQ1045016M	60									38,0	190,0		
CCFQ1045016H	70									60,0	300,0		
CCFQ1045016XH	80									95,0	475,0		
CCFQ1307020W	45	132	71	112	M20	34X18 (26X18)	182	230	5	55,0	330,0	6,0	2,35
CCFQ1307020M	60									90,0	540,0		
CCFQ1307020H	70									135,0	810,0		
CCFQ1307020XH	80									220,0	880,0	4,0	

This range of Bell Mounts offer high deflection to provide a high level of insulation especially when used on generators, engines and systems with an operating frequency at around 25 Hz (1500 rpm).

Axial stresses are perfectly absorbed and side deflections limited to guarantee good stability.

Whilst both CCFS & CFBMS ranges of Bell Mounts are designed with a fail-safe function making it an ideal solution for applications where safety is paramount, the CFBMS range also has the added benefit of an embossed Bell to increase strength as well as provide drain points for any oil spillages. Fibet have an extensive range of Mounts that can accommodate loads between 7daN (approx. 7kg) to 3,400 daN's (approx. 3,465kg) per Mount.



## STANDARD PRODUCTION

Bell and flange: DD13 or DC04 steel (UNI EN 10111 ALT UNI EN 10130)

Fail-safe device: 11SMnPb37 (UNI EN 10087)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 15%

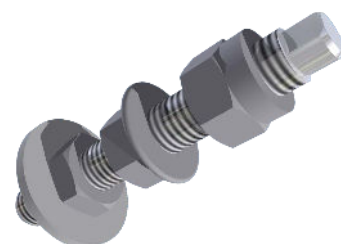
## APPLICATIONS

- Gensets • Engines • Tooling machinery
- Pumps • Special equipment • HVAC

## OPTIONS & ADDITIONAL PARTS

Stainless steel version

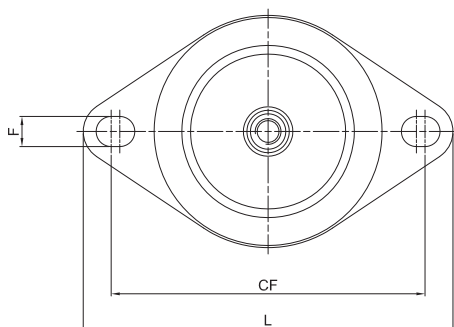
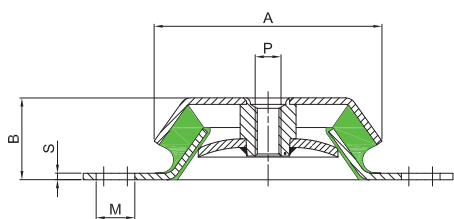
Height adjuster



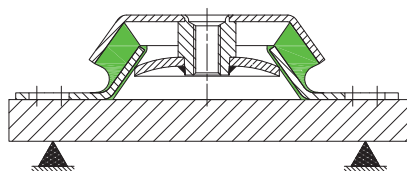


## HIGH DEFLECTION BELL MOUNTS

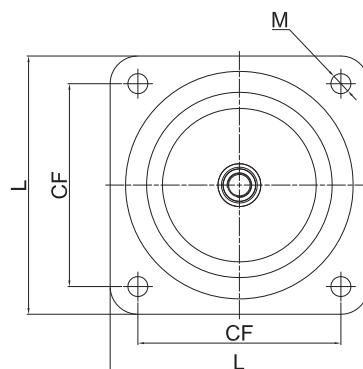
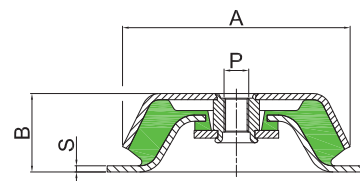
## Type CCFS/CFBMS



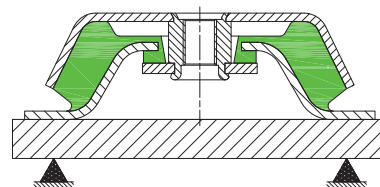
Load ↓



Type 1



Load ↓



Type 2

Bell Mounts can withstand up to 2g of shock forces or 5g occasional shock forces with regard to the load without permanent deformation or failing .

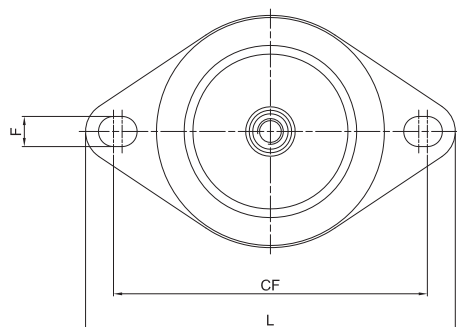
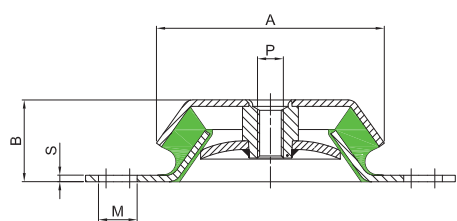
(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	P	FxM	CF	L	S	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	Type
CFBMS633510W	45	63	35	M10	9x12	88	110	2	7.0	30.0	4.3	1
CFBMS633510M	60								15.8	60.0	3.8	1
CFBMS633610W	45	63	36	M10	11x15	100	120	2.5	14.0	60.0	4.3	1
CFBMS633610M	60								31.5	120.0	3.8	1
CFBMS833510W	45	83	35	M10	11.5x15	110	135	3	17.8	80.0	4.5	1
CFBMS833510M	60								44.5	180.0	4.0	1
CFBMS833512W	45	83	35	M12	11.5x15	110	135	3	17.8	80.0	4.5	1
CFBMS833512M	60								44.5	180.0	4.0	1
CFBMS1064212W	45	106	42	M12	13x19	143	175	4	33.5	167.0	5.0	1
CFBMS1064212M	60								67.0	335.0	5.0	1
CCFS1064212W	45	106	42	M12	14x18	138 146	172	3	28.0	140.0	5.0	1
CCFS1064212M	60								55.0	275.0	5.0	1
CCFS1064212H	70								85.0	425.0	5.0	1
CCFS1064212XH	75								120.0	600.0	5.0	1
CCFS1064216W	45	106	42	M16	14x18	138 146	172	3	28.0	140.0	5.0	1
CCFS1064216M	60								55.0	275.0	5.0	1
CCFS1064216H	70								85.0	425.0	5.0	1
CCFS1064216XH	75								120.0	600.0	5.0	1

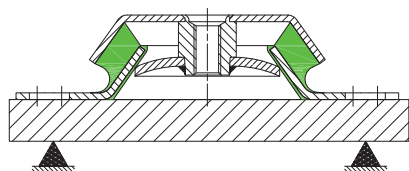
FIBET GROUP operates a policy of continuous improvement and development. We reserve the right to change design and specification of our products without prior notification or alteration of literature.

# HIGH DEFLECTION BELL MOUNTS

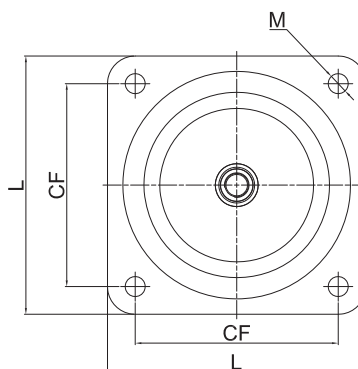
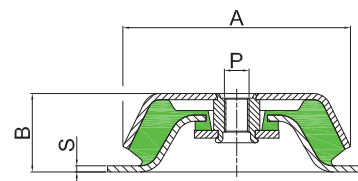
# Type CCFS/CFBMS



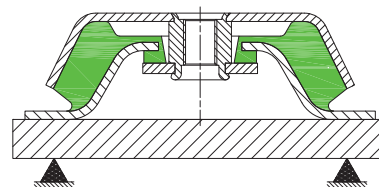
Load ↓



Type 1



Load ↓



Type 2

Bell mounts can withstand up to 2g of shock forces or 5g occasional shock forces with regard to the load without permanent deformation or failing .

(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	P	FxM	CF	L	S	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	Type
CFBMS1064216W	45	106	42	M16	13x19	143	175	4	33.5	167.0	5.0	1
CFBMS1064216M	60								67.0	335.0	5.0	1
CCFS1214216W	45	121	42	M16	13.5	158	188	3	125.0	500.0	4.0	1
CCFS1214216M	60								190.0	760.0	4.0	1
CCFS1214216H	70								290.0	1160.0	4.0	1
CCFS1444816XW	35	144	48	M16	14x18	179 186	216	4	85.0	527.0	6.2	1
CCFS1444816W	45								100.0	700.0	7.0	1
CCFS1444816M	60								200.0	1340.0	6.7	1
CCFS1444816H	70								300.0	1950.0	6.5	1
CFBMS1505416W	45	150	54	M16	14x18	182	218	4	37.5	450.0	12.0	1
CFBMS1505416M	60								78.7	800.0	10.2	1
CCFS1505016W	45	150	51	M16	No.4 X 13	132	168	4	110.0	440.0	4.0	2
CCFS1505016M	60								210.0	880.0	4.2	2
CCFS1505016H	70								310.0	1240.0	4.0	2
CFBMS1808620W	45	180	86	M20	14.5	146	190	5	59.2	900.0	15.2	2
CFBMS1808620M	60								127.0	1700.0	13.4	2
CFBMS22010524W	45	220	105	M24	17.5x20	180	220	5	95.0	1700.0	17.9	2
CFBMS22010524M	60								195.0	3400.0	17.4	2

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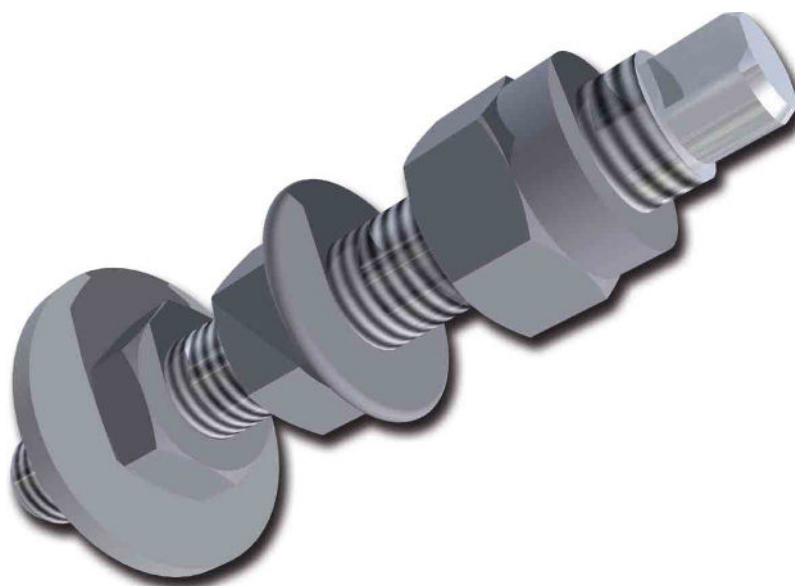


## HEIGHT ADJUSTERS

## Type KIT

Height adjusters are available in various sizes to suit a wide range of mounts as listed in the table.

The kits are supplied complete with a washer and nut for fastening to the mounting, as well as two nuts c/w lock washer for the engine foot fastening.



### STANDARD PRODUCTION

Washers: Steel DD12 (UNI EN 10111)

Nuts: Resistance class 4    Bolts: Resistance class 4.8

Zinc plated in accordance with CE standard CHROME VI free, white

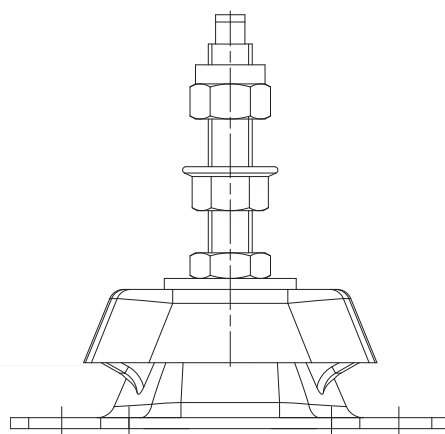
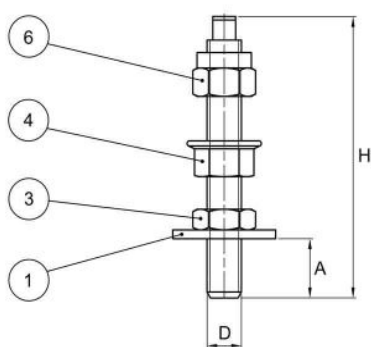
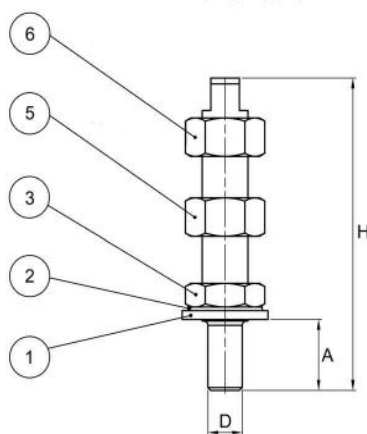
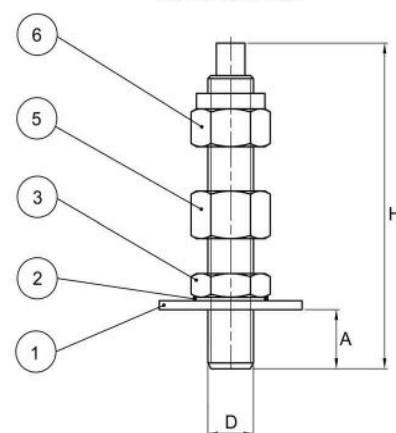
### OPTIONS & ADDITIONAL PARTS

Stainless steel version

Screws and nuts higher class resistance version

# HEIGHT ADJUSTERS

## Type KIT


**KIT12/12/95**

**KIT12/16/105.5**

**KIT16/16/110**  
**KIT20/20/135**


Nr.	Item	H	D	A	1 washer	2 locking washer	3 bottom nut	4 flange nut	5 adjusting nut	6 top nut
1	<b>KIT12/12/95</b>	95	M12	20	36X14X3		M12	M12		M12
2	<b>KIT12/16/105.5</b>	105,5	M12	24	28X15X2,5	•	M16		M16	M16
3	<b>KIT16/16/110</b>	110	M16	20	48X17X3	•	M16		M16	M16
4	<b>KIT20/20/135</b>	135	M20	30	60X22X3,5		M20		M20	M20





## HEIGHT ADJUSTERS

## Type KIT

Item	Height Adjuster			
	1	2	3	4
7050DBL12	•	•		
7050DBLS12	•	•		
8550DBL12	•	•		
10580DBL20				•
12564DBL20				•
15280DBL20				•
7050DBLR12	•	•		
7050DBLRS12	•	•		
8550DBLR12	•	•		
10580DBLR20				•
12564DBLR20				•
CF603512	•	•		
CF623112	•	•		
CF924512	•	•		
CF1063812	•	•		
CF1063816			•	
CF1085016/5			•	
CCF603512	•	•		
CCF623112	•	•		
CCF924512	•	•		
CCF1063812	•	•		
CCF1063816			•	
CCF1085016/5			•	
CCFQ804012	•	•		
CCFQ1045016			•	
CCFQ1307020				•

Item	Height Adjuster			
	1	2	3	4
CCFS1063812	•	•		
CCFS1063816			•	
CCFS1064212	•	•		
CCFS1064216			•	
CCFS1214216			•	
CCFS1444816			•	
CCFS1505016			•	
CFAB-0	•	•		
CFAB-2	•	•		
CFAB-3	•	•		
CFBMH783012	•	•		
CFBMH923512	•	•		
CFBMH1063812	•	•		
CFBMH1063816			•	
CFBMH1254316			•	
CFBMH1444816			•	
CFBMH1605820				•
CFBMH1806620				•
CFBMS833512	•	•		
CFBMS1064212	•	•		
CFBMS1064216			•	
CFBMS1505416			•	
CFBMS1808620				•
CFE623112	•	•		
CFQ1505016			•	
CFQ1776020				•



## LIGHT DUTY MOUNTS

## Type SEM

Low frequency elastomeric noise and vibration isolators for industrial equipment and machinery.

The Fibet SEM range of mounts are normally used to insulate the transmission of noise and vibration in vertically applied loads.

Their applications can include generators, blowers, pumps, road machines or any equipment that by design is unbalanced.

They can also be used for isolating instrumentation in mobile, military or road and can accommodate loads between 1.5daN (approx. 1.5kg) to 170daN's (approx. 173kg) per Mount.



### APPLICATIONS

- Measurement equipment • Instruments • Small machinery
- Engines • Pumps • Radiators

### STANDARD PRODUCTION

Plates: DD12 or DD13 steel (UNI EN 10111)

Nuts: Resistance class 4      Screws: Resistance class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

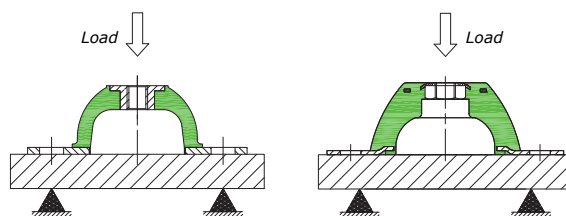
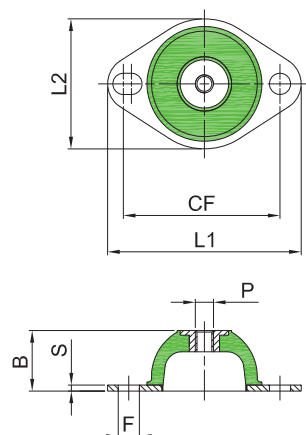
Stiffness tolerance +/- 20%

### OPTIONS & ADDITIONAL PARTS

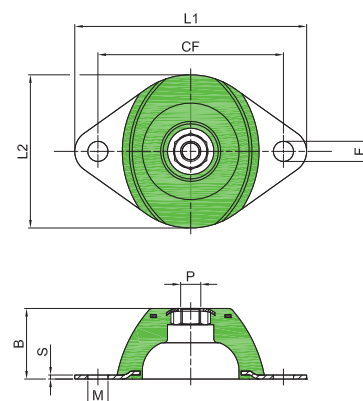
Alternative elastomeric hardness and compounds available

# LIGHT DUTY MOUNTS

# Type SEM



Type 1



Type 2

(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	B	L1	L2	P	CF	F(xM)	S	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	Type
SEM-6420W	45	20	64	43	M6	50	7	2	1,5	4,5	3,0	1
SEM-6420M	60								3,0	9,0		
SEM-6420H	70								5,5	16,5		
SEM-8525W	45	25	88	59	M8	65 73	08X12	2,5	4,0	26,5	7,5	1
SEM-8525M	60								6,0	43,0		
SEM-8525H	70								10,0	75,0		
SEM-8525/1W	45	25	88	59	M10	65 73	08X12	2,5	4,0	26,5	7,5	1
SEM-8525/1M	60								8,0	43,0		
SEM-8525/1H	70								12,0	75,0		
SEM-10027W	45	27	100	70	M8	76	7	3	15,0	75,0	5,0	2
SEM-10027M	60								24,0	120,0		
SEM-10027H	70								35,0	170,0		
SEM-10027/1W	45	27	100	70	M8	76	10	3	15,0	75,0	5,0	2
SEM-10027/1M	60								24,0	120,0		
SEM-10027/1H	70								35,0	170,0		
SEM-11435RW	45	35	115	76	M10	92	10	2	7,0	40,0	5,6	2
SEM-11435RM	60								11,0	60,0		
SEM-11435RH	70								24,0	135,0		

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## MEDIUM DUTY MOUNTS

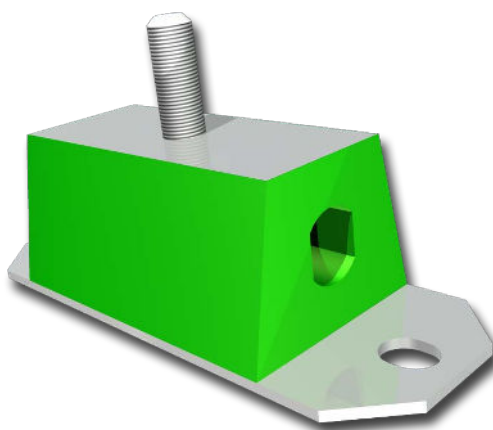
## Type ZTV/ZTD

Low frequency elastomeric noise and vibration isolators for industrial equipment and machinery.

The Fibet ZTV/ZTD range of mounts are normally used to insulate the transmission of noise and vibration in vertically applied loads.

Their applications can include generators, blowers, pumps, road machines or any equipment that by design is unbalanced.

They can also be used for isolating instrumentation in mobile, military or road and can accommodate loads between 19daN (approx. 19kg) to 460daN's (approx. 469kg) per Mount.



### APPLICATIONS

- Measurement equipment • Instruments • Small machinery
- Engines • Pumps • Radiators

### STANDARD PRODUCTION

Plates: DD12 or DD13 steel (UNI EN 10111)

Nuts: Resistance class 4

Screws: Resistance class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

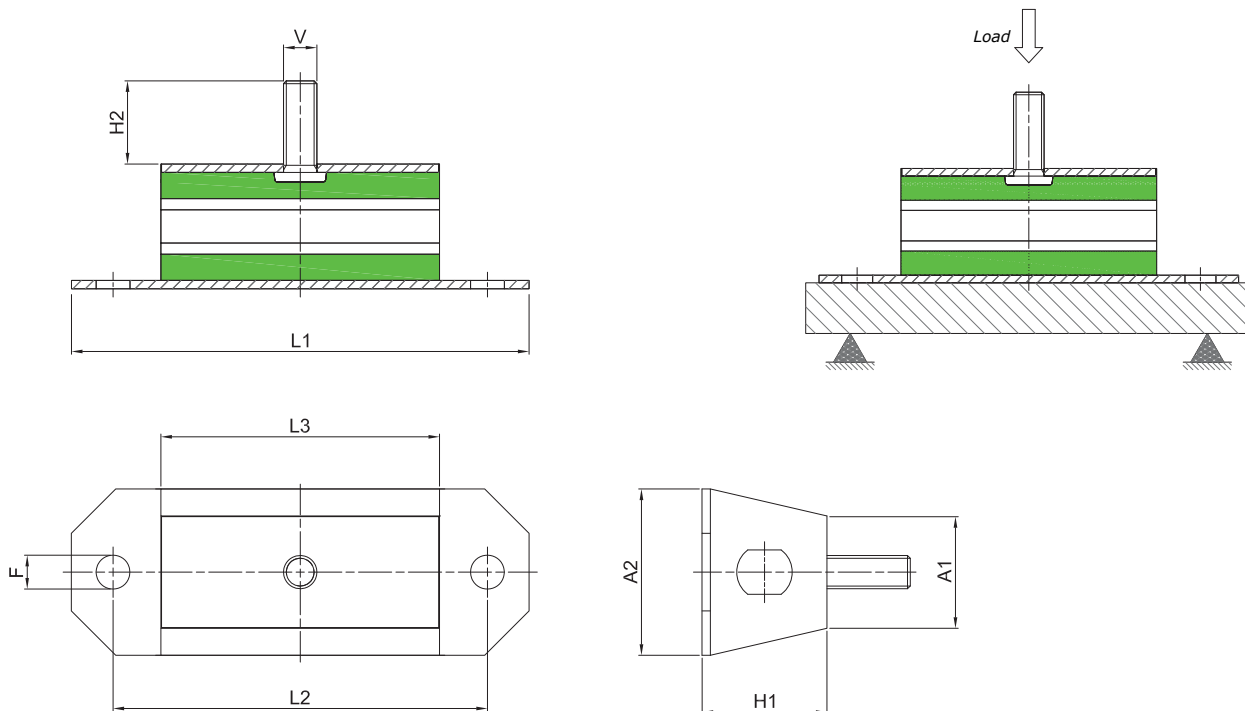
Stiffness tolerance +/- 20%

### OPTIONS & ADDITIONAL PARTS

Alternative elastomeric hardness and compounds available

# MEDIUM DUTY MOUNTS

# Type ZTV



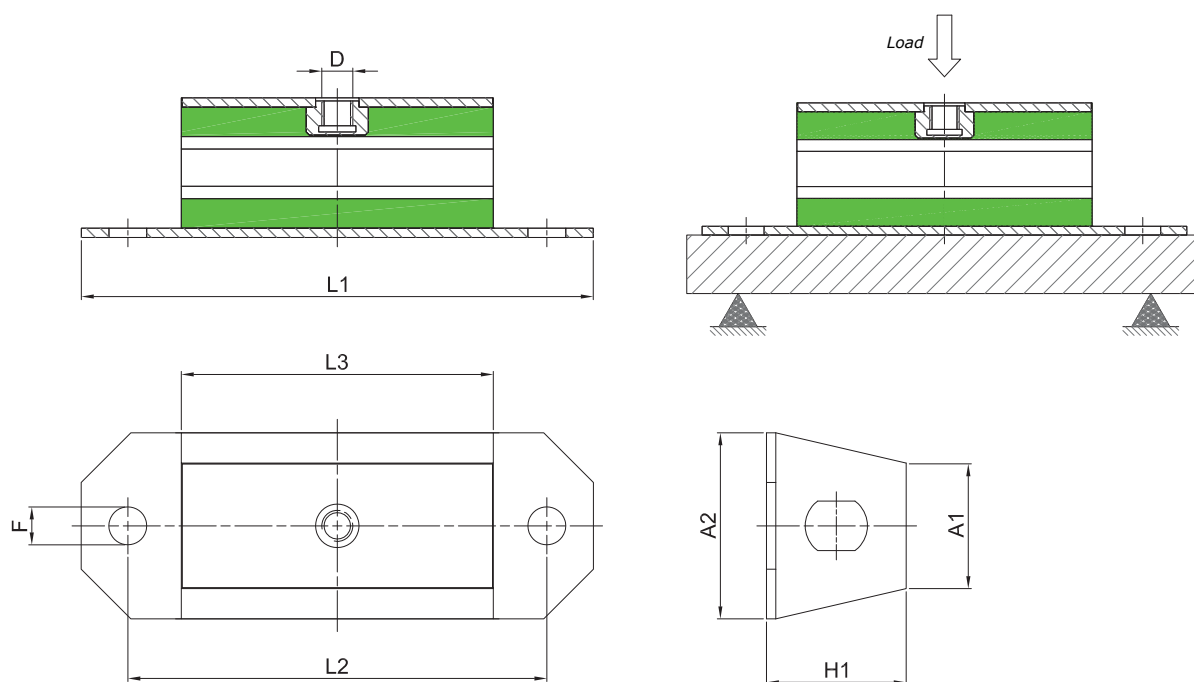
(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A1	A2	V	H1	H2	F	L1	L2	L3	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
<b>11550ZTV37M</b>	60	40	60	M12	45	37	13,2	115	85	50	19,0	150	8,0
<b>165100ZTV37M</b>	60	40	60	M12	45	37	13,2	165	135	100	42,0	320	7,7
<b>215150ZTV37M</b>	60	40	60	M12	45	37	13,2	215	185	150	62,0	460	7,4



# MEDIUM DUTY MOUNTS

## Type ZTD



(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A1	A2	D	H1	F	L1	L2	L3	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
<b>11550ZTD12M</b>	60	40	60	M12	45	13,2	115	85	50	19,0	150	8,0
<b>165100ZTD12M</b>	60	40	60	M12	45	13,2	165	135	100	42,0	320	7,7
<b>215150ZTD12M</b>	60	40	60	M12	45	13,2	215	185	150	62,0	460	7,4

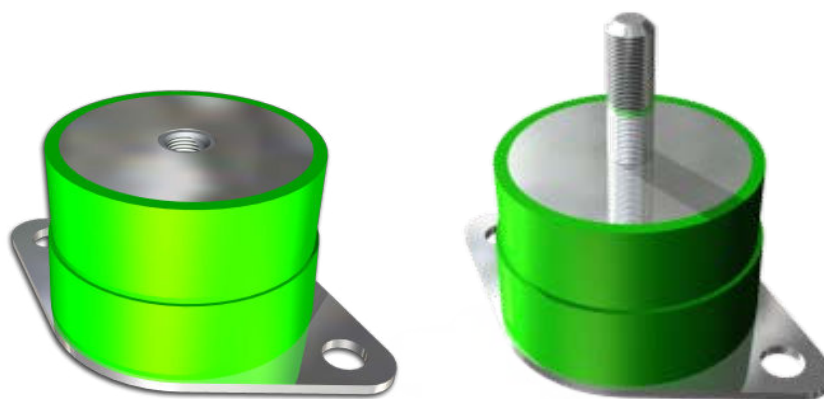


## HEAVY DUTY MOUNTS

## Type VBL/DBL

The VBL/DBL range of mounts is extremely versatile and can be used in various applications that only need to overcome compression forces (i.e. generators, pumps, compressors etc.). They are a simpler and cost effective alternative to more traditionally complicated mounts.

These mounts can be supplied with either a male screw (VBL) or with a threaded insert (DBL), and are designed with a flanged base to simplify installation to the end product. This range of Mounts can accommodate loads between 20daN (approx. 20kg) to 3,850daN's (approx. 3,925kg) per Mount.



### STANDARD PRODUCTION

Flange and washer: DD12 or DD13 steel (UNI EN 10111)

Nuts: Resistance class 4      Screws: Resistance class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

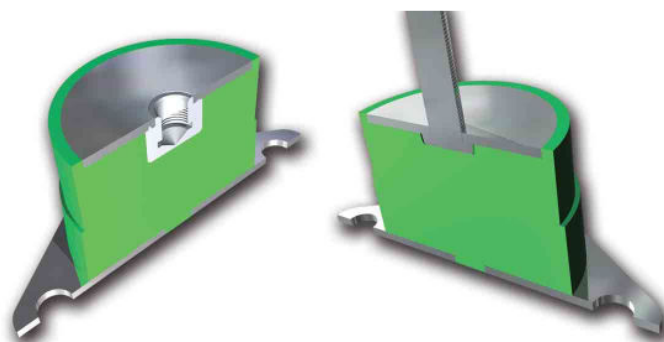
Stiffness tolerance +/- 20%

### APPLICATIONS

- Measurement equipment
- Instruments • Small machinery
- Engines • Pumps • Radiators

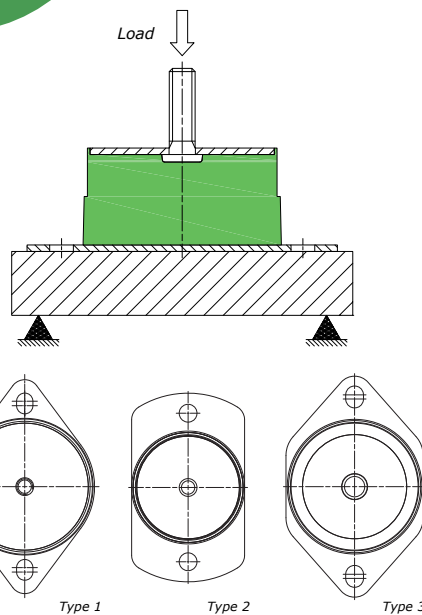
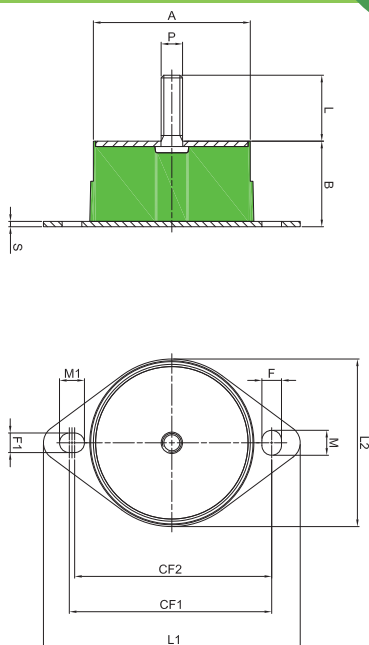
### OPTIONS & ADDITIONAL PARTS

NEOPRENE CR version Height adjuster (DBL Version)



# HEAVY DUTY MOUNTS

## Type VBL



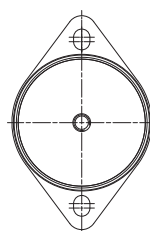
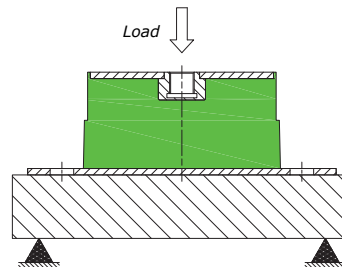
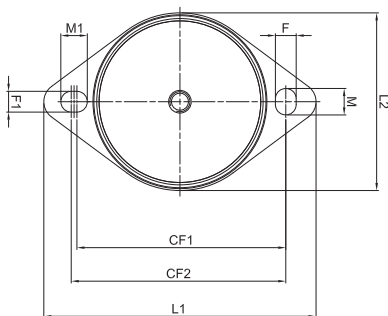
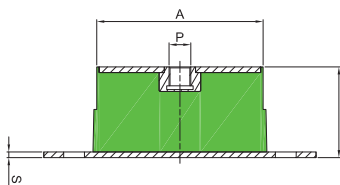
(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	L	P	F FXM (F1XM1)	CF1	CF2	L1	L2	S	Average Stiffness (daN/mm)	Max Load (daN)	Max Deflec. (mm)	Type
7050VBL38W	45	71	50	37	M12	12	100	-	127	77	3	20,0	160,0	8,0	1
7050VBL38M	60											40,0	320,0	8,0	
7050VBL38H	70											60,0	480,0	8,0	
7050VBL38W	45	71	50	37	M12	12	100	-	127	76	3	20,0	160,0	8,0	2
7050VBL38M	60											40,0	320,0	8,0	
7050VBL38H	70											60,0	480,0	8,0	
8550VBL38W	45	88	48	37	M12	11	112	-	144	94	3	55,0	440,0	8,0	1
8550VBL38M	60											90,0	720,0	8,0	
8550VBL38H	70											130,0	1040,0	8,0	
10580VBL38W	45	100	80	38	M20	(14X17,25)	138	144,5	174	108	4	50,0	600,0	12,0	3
10580VBL38M	60											90,0	1080,0	12,0	
10580VBL38H	70											145,0	1750,0	12,0	
12564VBL42W	45	124	64	42	M20	18 X 23 (18X23)	177	182	215	144	4	85,0	850,0	10,0	1
12564VBL42M	60											140,0	1400,0	10,0	
12564VBL42H	70											220,0	2200,0	10,0	
15280VBL38W	45	152	80	38	M20	(18X21,75)	190	197,5	232	168	4	105,0	1250,0	12,0	3
15280VBL38M	60											200,0	2200,0	12,0	
15280VBL38H	70											320,0	3850,0	12,0	

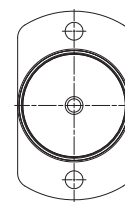
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# HEAVY DUTY MOUNTS

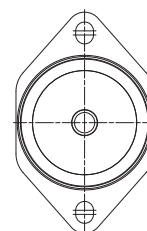
## Type DBL



Type 1



Type 2



Type 3

(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	P	F FXM (F1XM1)	CF1	CF2	L1	L2	S	Average Stiffness (daN/mm)	Max Load (daN)	Max Deflec. (mm)	Type
7050DBL12W	45	71	50	M12	12	100	-	127	77	3	20,0	160,0	8,0	1
7050DBL12M	60										40,0	320,0	8,0	
7050DBL12H	70										60,0	480,0	8,0	
7050DBLS12W	45	71	50	M12	12	100	-	127	76	3	20,0	160,0	8,0	2
7050DBLS12M	60										40,0	320,0	8,0	
7050DBLS12H	70										60,0	480,0	8,0	
8550DBL12W	45	88	48	M12	11	112	-	144	94	3	55,0	440,0	8,0	1
8550DBL12M	60										90,0	720,0	8,0	
8550DBL12H	70										130,0	1040,0	8,0	
10580DBL20W	45	100	80	M20	(14X17,25)	138	144,5	174	108	4	50,0	600,0	12,0	3
10580DBL20M	60										90,0	1080,0	12,0	
10580DBL20H	70										145,0	1750,0	12,0	
12564DBL20W	45	124	64	M20	18 X 23 (18X23)	177	182	215	144	4	85,0	850,0	10,0	1
12564DBL20M	60										140,0	1400,0	10,0	
12564DBL20H	70										220,0	2200,0	10,0	
15280DBL20W	45	152	80	M20	(18X21,75)	190	197,5	232	168	4	105,0	1250,0	12,0	3
15280DBL20M	60										200,0	2200,0	12,0	
15280DBL20H	70										320,0	3850,0	12,0	

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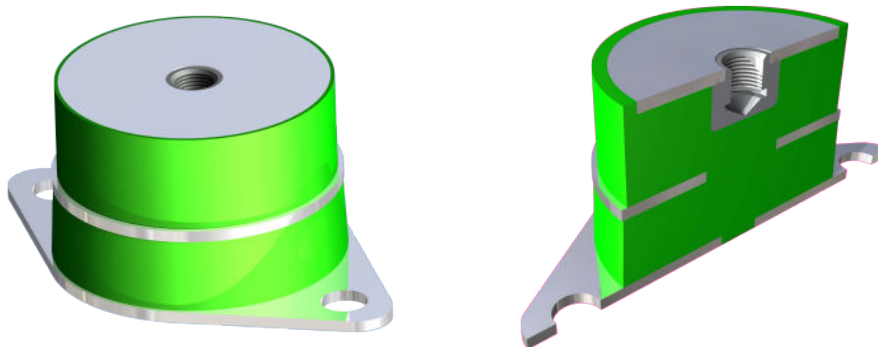
## HEAVY DUTY MOUNTS

## Type VBLR/DBLR

The VBLR/DBLR mounts are an evolution of the VBL/DBL range and are designed with a metal insert within the elastomeric part.

This allows the mounts to support higher loads than the VBL/DBL range, and also enables it to absorb huge impulsive charges under full power, whilst maintaining the necessary levels of deflection and insulation for effective operation.

This range of Mounts can accommodate loads between 45daN (approx.46kg) to 3,150daN's (approx. 3,212kg) per Mount.



### STANDARD PRODUCTION

Flange and washer: DD12 or DD13 steel (UNI EN 10111)

Nuts: Resistance class 4      Screws: Resistance class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

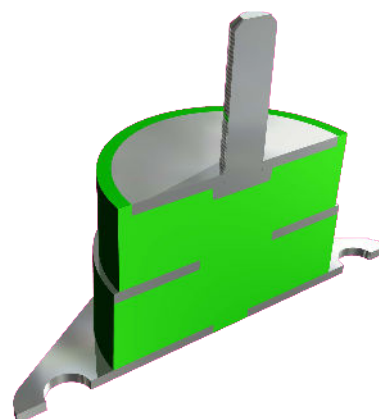
### APPLICATIONS

- Measurement equipment
- Instruments • Small machinery
- Engines • Pumps • Radiators

### OPTIONS & ADDITIONAL PARTS

NEOPRENE CR version

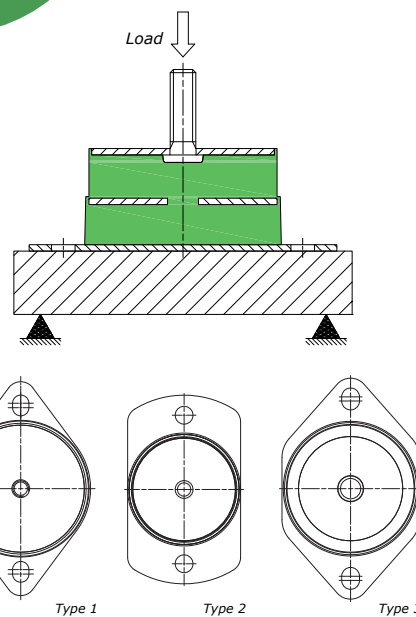
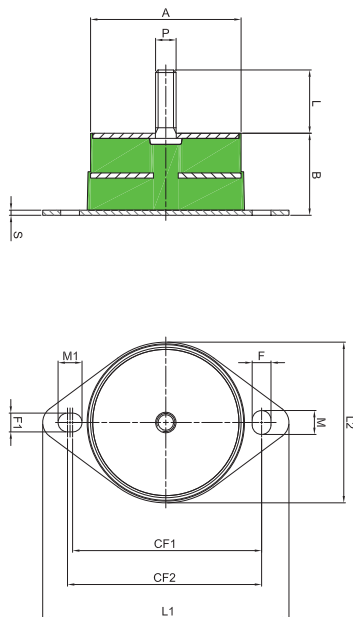
Height adjuster - DBLR version





# HEAVY DUTY MOUNTS

## Type VBLR

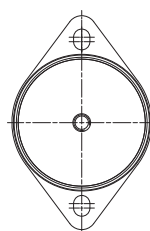
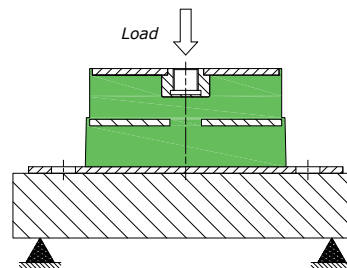
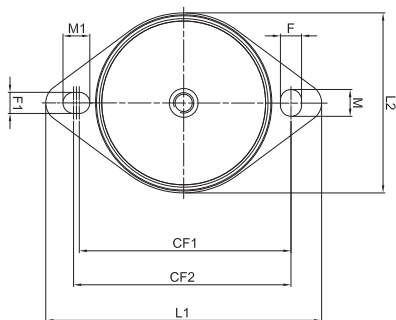
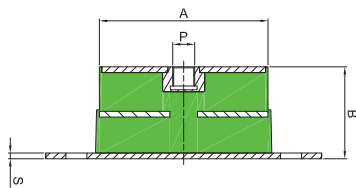


(N.B. 1 daN = 1.0197 kgf)

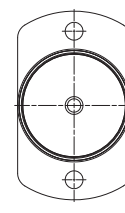
Item	Hardness (IRHD)	A	B	L	P	F FXM (F1XM1)	CF1	CF2	L1	L2	S	Average Stiffness (daN/mm)	Max Load (daN)	Max Deflec. (mm)	Type
7050VBLR38W	45	71	50	37	M12	12	100	-	127	77	3	45,0	225,0	5,0	1
7050VBLR38M	60											80,0	400,0	5,0	
7050VBLR38H	70											120,0	600,0	5,0	
7050VBLRS38W	45	71	50	37	M12	12	100	-	127	76	3	45,0	225,0	5,0	2
7050VBLRS38M	60											85,0	425,0	5,0	
7050VBLRS38H	70											120,0	600,0	5,0	
8550VBLR38W	45	88	48	37	M12	11	112	-	144	94	3	110,0	550,0	5,0	1
8550VBLR38M	60											170,0	850,0	5,0	
8550VBLR38H	70											255,0	1275,0	5,0	
10580VBLR38W	45	100	80	38	M20	(14X17,25)	138	144,5	174	108	4	105,0	945,0	9,0	3
10580VBLR38M	60											180,0	1620,0	9,0	
10580VBLR38H	70											270,0	2430,0	9,0	
12564VBLR42W	45	124	64	42	M20	18 X 23 (18X23)	177	182	215	144	4	160,0	1120,0	7,0	1
12564VBLR42M	60											305,0	2135,0	7,0	
12564VBLR42H	70											450,0	3150,0	7,0	

# HEAVY DUTY MOUNTS

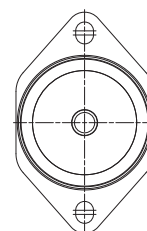
## Type DBLR



Type 1



Type 2



Type 3

(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	P	F FXM (F1XM1)	CF1	CF2	L1	L2	S	Average Stiffness (daN/mm)	Max Load (daN)	Max Deflec. (mm)	Type
7050DBLR12W	45	71	50	M12	12	100	-	127	77	3	45,0	225,0	5,0	1
7050DBLR12M	60										80,0	400,0	5,0	
7050DBLR12H	70										120,0	600,0	5,0	
7050DBLRS12W	45	71	50	M12	12	100	-	127	76	3	45,0	225,0	5,0	2
7050DBLRS12M	60										85,0	425,0	5,0	
7050DBLRS12H	70										120,0	600,0	5,0	
8550DBLR12W	45	88	48	M12	11	112	-	144	94	3	110,0	550,0	5,0	1
8550DBLR12M	60										170,0	850,0	5,0	
8550DBLR12H	70										255,0	1275,0	5,0	
10580DBLR20W	45	100	80	M20	(14X17,25)	138	144,5	174	108	4	105,0	945,0	9,0	3
10580DBLR20M	60										180,0	1620,0	9,0	
10580DBLR20H	70										270,0	2430,0	9,0	
12564DBLR20W	45	124	64	M20	18 X 23 (18X23)	177	182	215	144	4	160,0	1120,0	7,0	1
12564DBLR20M	60										305,0	2135,0	7,0	
12564DBLR20H	70										450,0	3150,0	7,0	



## SANDWICH MOUNTS

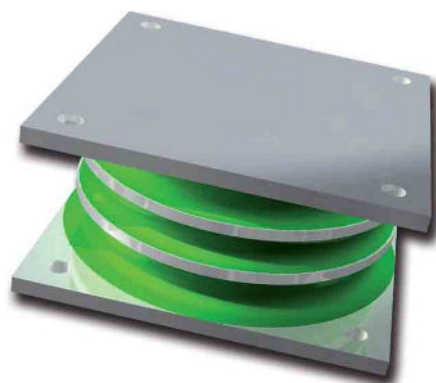
## Type SW/SWR

Low frequency elastomeric noise and vibration isolators for industrial equipment and machinery.

The Fibet SW & SWR range of mounts are normally used to insulate the transmission of noise and vibration in vertically applied loads.

Their applications can include generators, blowers, pumps, road machines or any equipment that by design is unbalanced.

They can also be used for isolating instrumentation in mobile, military or road and can accommodate loads between 110daN (approx. 112kg) to 7,650daN's (approx. 7,800kg) per Mount.



### APPLICATIONS

- Measurement equipment • Instruments • Small machinery
- Engines • Pumps • Radiators

### STANDARD PRODUCTION

Plates: DD12 or DD13 steel (UNI EN 10111)

Nuts: Resistance class 4 Screws: Resistance class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

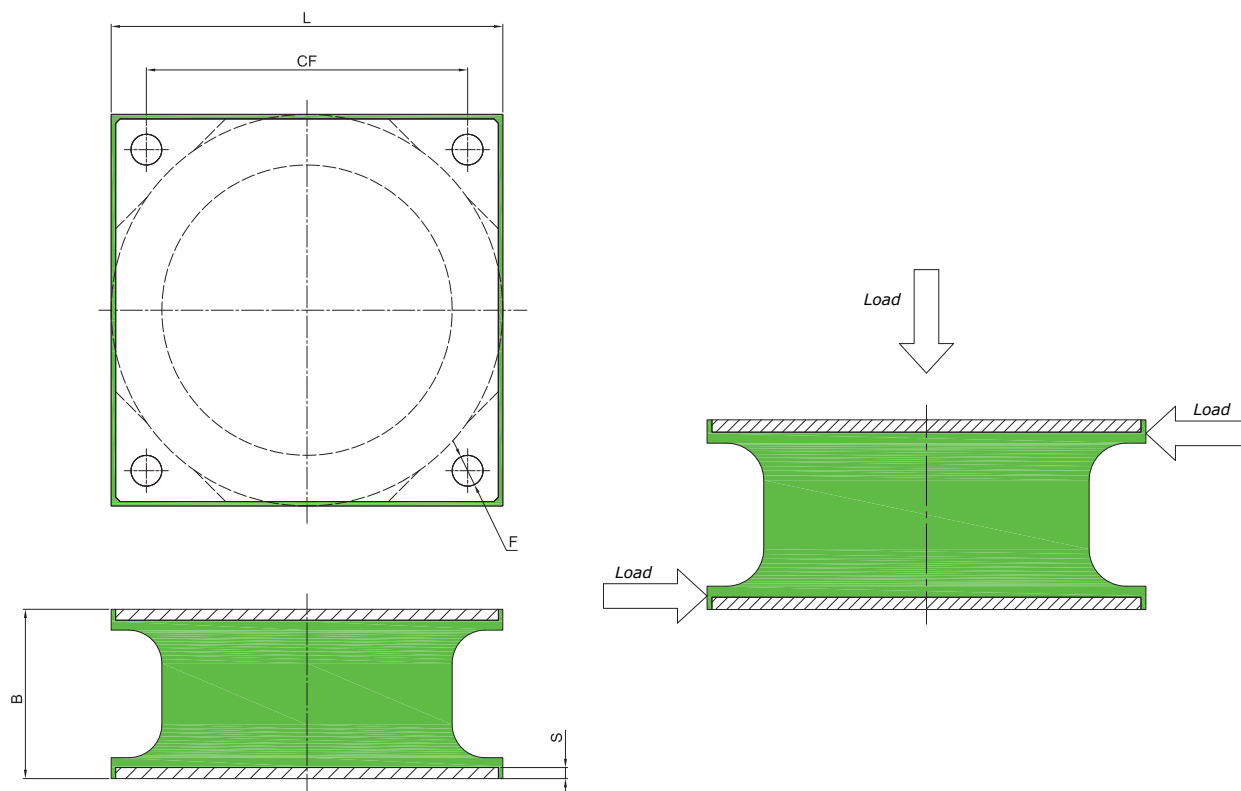
Stiffness tolerance +/- 20%

### OPTIONS & ADDITIONAL PARTS

Alternative elastomeric hardness and compounds available

## SANDWICH MOUNTS

## Type SW

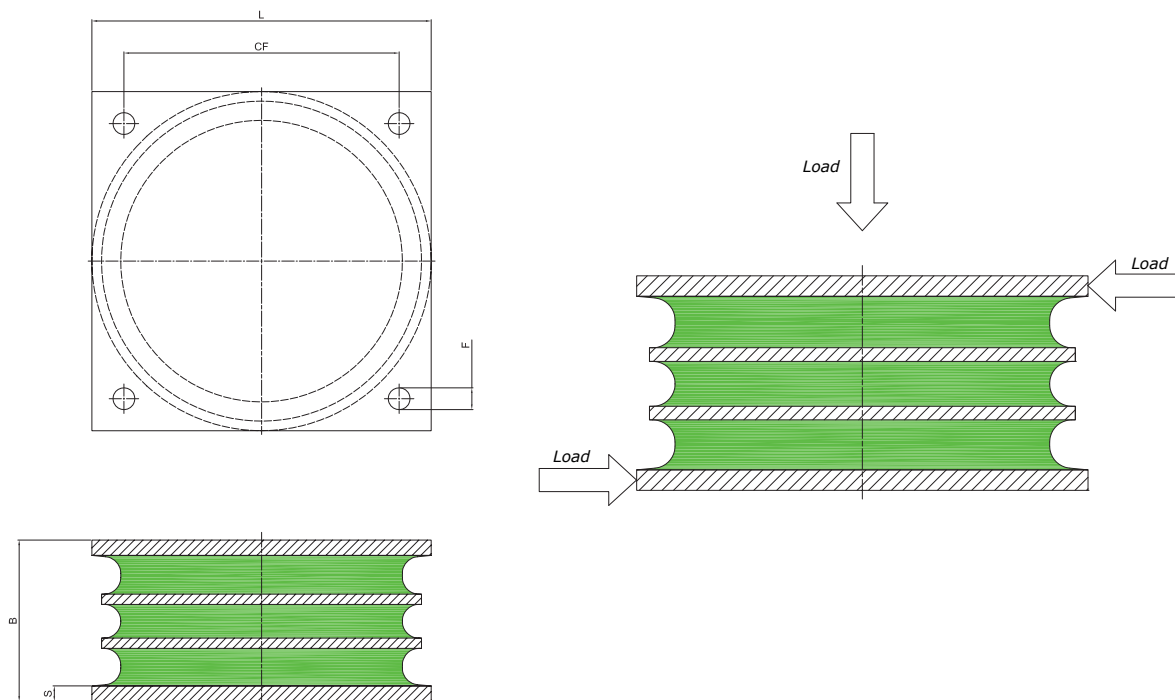


(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	L	B	CF	F	S	Average Compression Stiffness (daN/mm)	Max Compression Load (daN)	Average Shear Stiffness (daN/mm)	Max Shear Load (daN)
<b>SW150WKG</b>	45	150	65	126	11	8	140,0	1320,0	22,0	170,0
<b>SW150KMG</b>	60						170,0	1650,0	27,0	215,0
<b>SW174KG</b>	50	174	75	146	14	5	110,0	1600,0	14,0	130,0
<b>SW174MG</b>	60						160,0	2100,0	25,0	234,0

## SANDWICH MOUNTS

## Type SWR



(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	L	B	CF	F	S	Average Compression Stiffness (daN/mm)	Max Compression Load (daN)	Average Shear Stiffness (daN/mm)	Max Shear Load (daN)
<b>SWR150W</b>	45	166	63	136	13,5	6	650	3000	14	300
<b>SWR150M</b>	60						1100	4950	23	580
<b>SWR150H</b>	70						1700	7650	33	850



## CONE/CAB MOUNTS

## Type CN

These mounts have a particular rubber section made for shear and compression stresses which allows good axial deflections.

Cone mounts are low cost isolators that have high load carrying capacity within a compact size that provides a stable solution for a wide number of applications.

This design of mount is ideally suited for isolating cabs of trucks, bus engines, radiators etc...

The mounts are assembled with two safety washers to minimize overloads.

We also offer a CNA version is characterized by two different radial stiffnesses due to the inclusion of voids within the Rubber design.



### STANDARD PRODUCTION

Cone and flange: DD13 or DC04 steel (UNI EN 10111 *ALT* UNI EN 10130) Washers: DD12 Steel UNI 10111

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

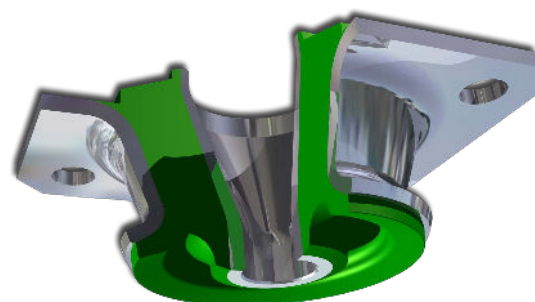
Stiffness tolerance +/- 15%

### APPLICATIONS

- Gensets • Engines • Special equipments
- Compressors • Pumps • HVAC

### OPTIONS & ADDITIONAL PARTS

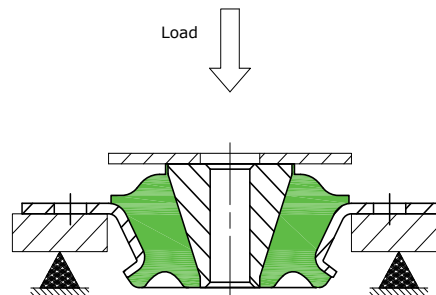
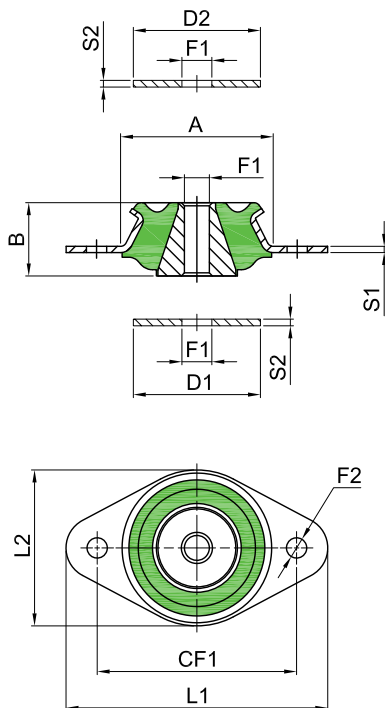
Alternative elastomeric compounds available





# CONE/CAB MOUNTS

## Type CN

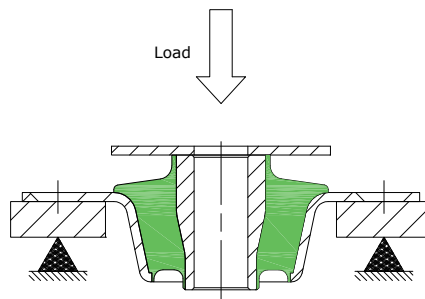
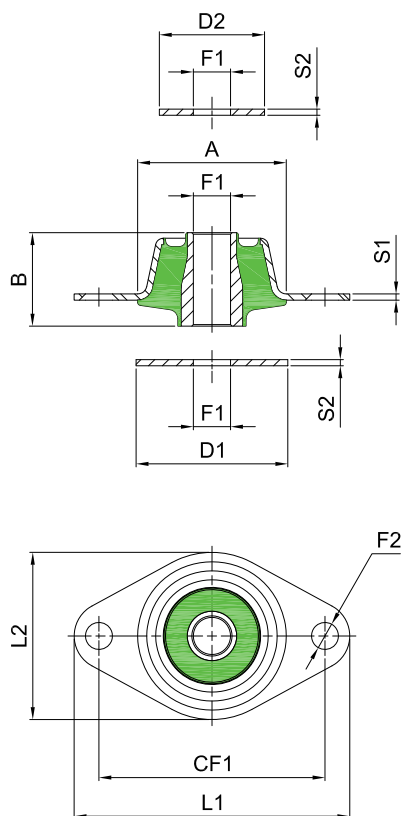


		Cone										Washers				(N.B. 1 daN = 1.0197 kgf)		
Item	Hardness (IRHD)	A	B	CF1	CF2	L1	L2	F1	S1	F2	D1	D2	F1	S2	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	
4623CN08W	45														12,5	37,5	3	
4623CN08M	60	46	23,5	64	-	84	50	8	2	6,5	40	40	8	2	22	66		
4623CN08H	70														36	108		

The item code refers to the cone mount complete with washers.

# CONE/CAB MOUNTS

## Type CN



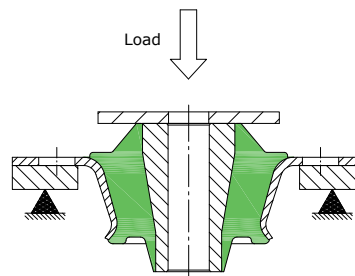
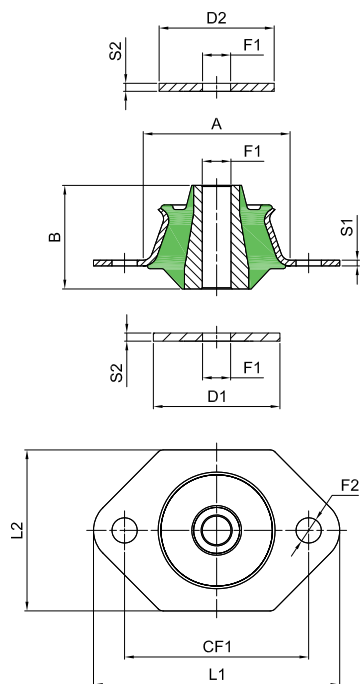
		Cone										Washers				(N.B. 1 daN = 1.0197 kgf)		
Item	Hardness (IRHD)	A	B	CF1	CF2	L1	L2	F1	S1	F2	D1	D2	F1	S2	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	
4830CN12/1W	45	48	30,2	73	-	89	54	12	2	8,7	49	34	12	2	9	36	4	
4830CN12/1M	60														15	60		
4830CN12/1H	70														21	84		

The item code refers to the cone mount complete with washers.



## CONE/CAB MOUNTS

## Type CN

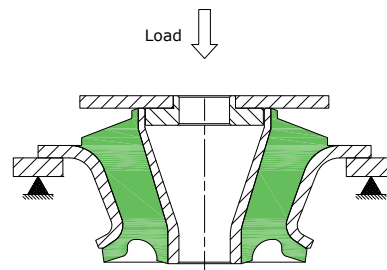
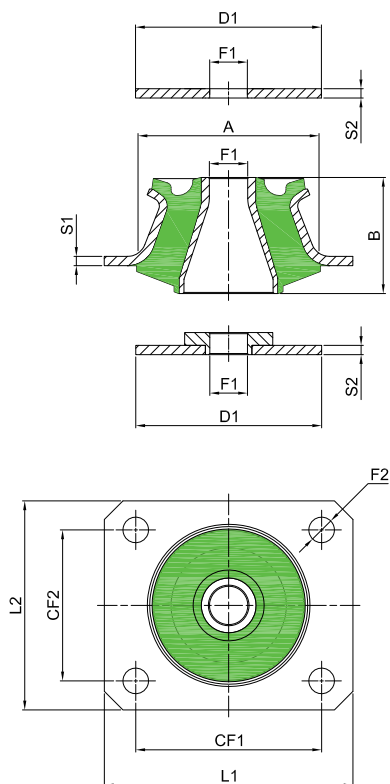


		Cone										Washers				(N.B. 1 daN = 1.0197 kgf)		
Item	Hardness (IRHD)	A	B	CF1	CF2	L1	L2	F1	S1	F2	D1	D2	F1	S2	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	
6051CN12W	45	60	45	80	-	107	68	12,1	2,5	11	55	50	12,2	3,5	20	100	5	
6051CN12M	60														34	170		
6051CN12H	70														50	250		

The item code refers to the cone mount complete with washers.

## CONE/CAB MOUNTS

## Type CN



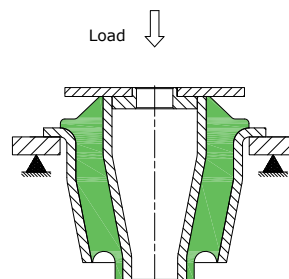
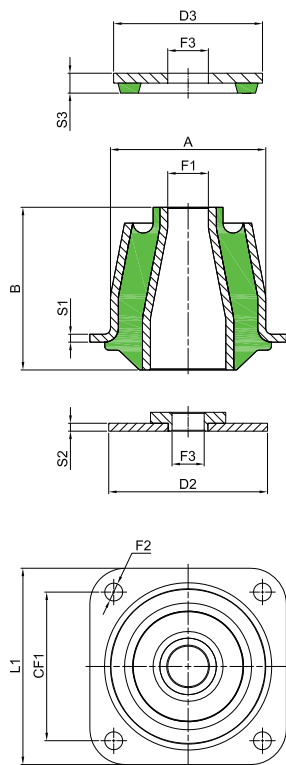
		Cone										Washers				(N.B. 1 daN = 1.0197 kgf)		
Item	Hardness (IRHD)	A	B	CF1	CF2	L1	L2	F1	S1	F2	D1	D2	S2	F1	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	
7856CN16W	45	78	50	80	65	107	90	16.5	4	11	80	65	4	16	32	160	5	
7856CN16M	60														60	350		
7856CN16H	70														98	488		
7856CN20W	45	78	50	80	65	107	90	20	4	11	80	65	4	20	32	160	5	
7856CN20M	60														60	350		
7856CN20H	70														98	488		

The item code *refers to* the cone mount *complete* with washers.  
For the correct working of the mount, the cone must be assembled with the stepped washer fitted to the upper section of the mount.



## CONE/CAB MOUNTS

## Type CN

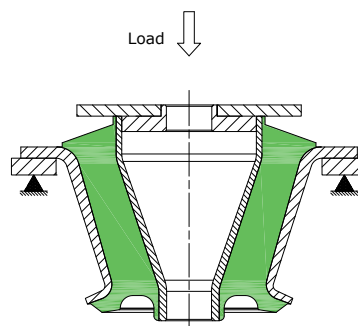
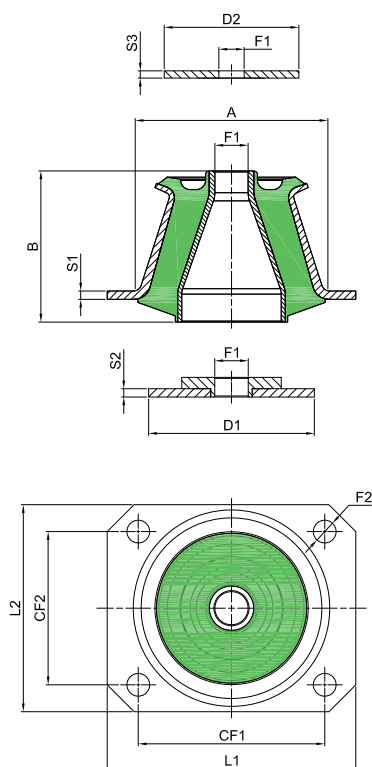


Item	Hardness (IRHD)	Cone								Washers				(N.B. 1 daN = 1.0197 kgf)		
		A	B	CF1	F1	F2	S1	L1	D2	S2	D3	S3	F3	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
7882CN20W	45													42	336	8
7882CN20M	60	78	82	75	20,5	9	4	99	80	4	74	10	20,5	85	680	
7882CN20H	70													132	1056	

The item code *refers to* the cone mount *complete* with washers.  
For the correct working of the mount, the cone must be assembled with the stepped washer fitted to the upper section of the mount.

# CONE/CAB MOUNTS

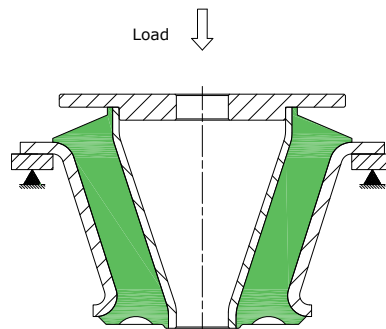
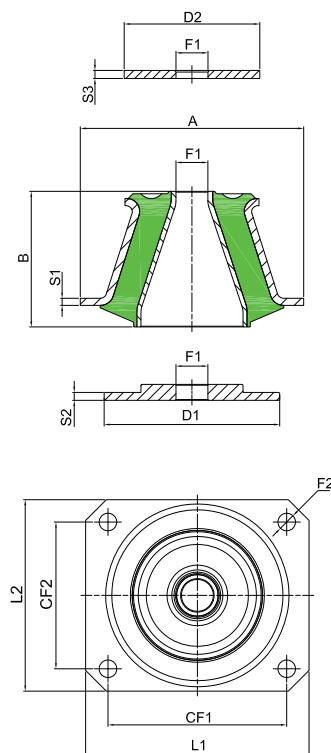
## Type CN



		Cone										Washers				(N.B. 1 daN = 1.0197 kgf)		
Item	Hardness (IRHD)	A	B	CF1	CF2	F1	F2	S1	L1	L2	D1	D2	S2	S3	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	
9381CN16W	45	93	73	90	74	16	11	4	120	100	80	70	5	4	75	450	6	
9381CN16M	60														140	840		
9381CN16H	70														235	1410		

The item code *refers to* the cone mount *complete* with washers.  
For the correct working of the mount, the cone must be assembled with the stepped washer fitted to the upper section of the mount.





		Cone										Washers				(N.B. 1 daN = 1.0197 kgf)		
Item	Hardness (IRHD)	A	B	CF1	CF2	F1	F2	S1	L1	L2	D1	D2	S2	S3	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	
10995CN20W	45	109	85	112	92	20	11	4.5	140	120	110	80	5	5	115	460	4	
10995CN20M	60														250	1125	4,5	
10995CN20H	70														370	1850	5	

The item code *refers to* the cone mount *complete* with washers.  
For the correct working of the mount, the cone must be assembled with the stepped washer fitted to the upper section of the mount.



## CONE/CAB MOUNTS

## Type CNA

These mounts have a particular rubber section made for shear and compression stresses which allows good axial deflections.

Cone mounts are low cost isolators that have high load carrying capacity within a compact size that provides a stable solution for a wide number of applications.

This design of mount is ideally suited for isolating cabs of trucks, bus engines, radiators etc...

The mounts are assembled with two safety washers to minimize overloads.

This CNA version is characterized by two different radial stiffnesses due to the inclusion of voids within the Rubber design.



### STANDARD PRODUCTION

Cone and flange: DD13 or DC04 steel (UNI EN 10111 ALT UNI EN 10130)

Washers: DD12 Steel UNI 10111

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

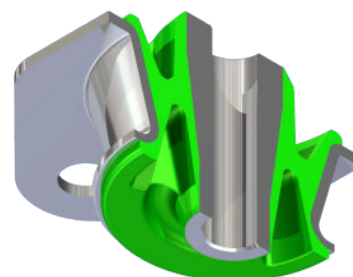
Stiffness tolerance +/- 15%

### APPLICATIONS

- Gensets • Engines • Special equipments
- Compressors • Pumps • HVAC

### OPTIONS & ADDITIONAL PARTS

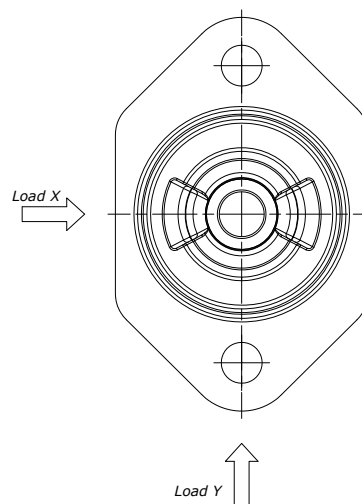
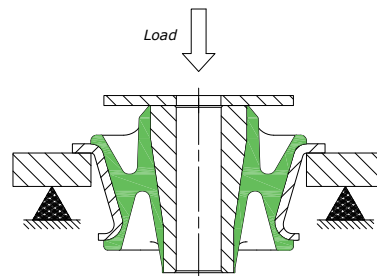
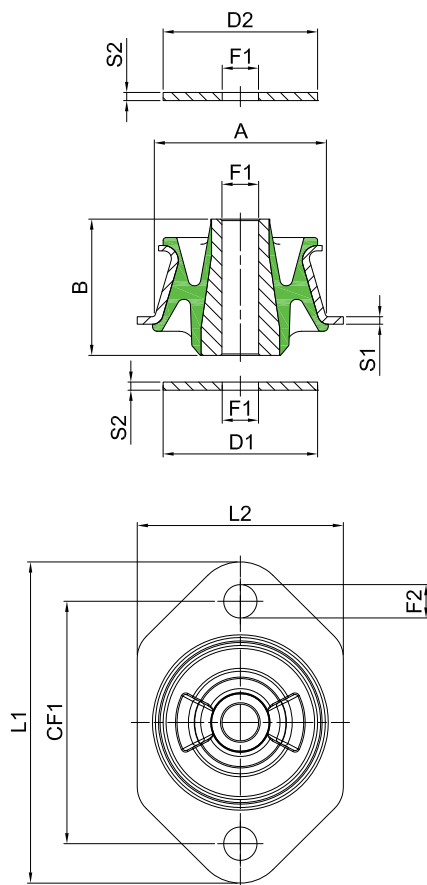
Alternative elastomeric compounds available





## CONE/CAB MOUNTS

## Type CNA

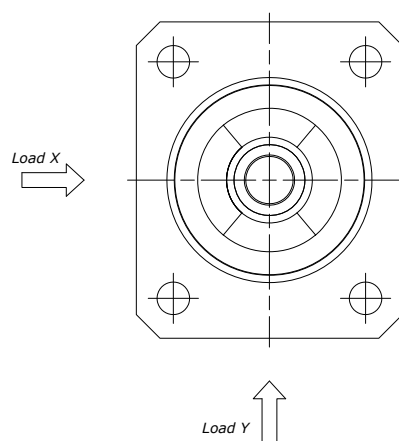
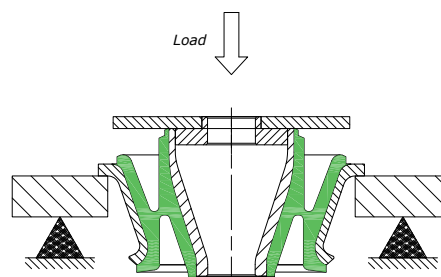
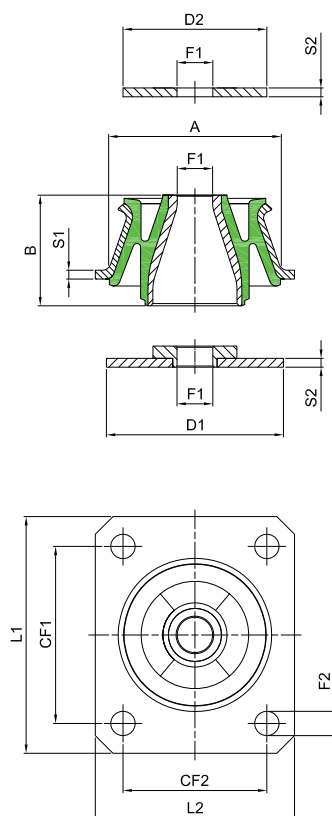


Item	Hardness (IRHD)	Cone										Washer				(N.B. 1 daN = 1.0197 kgf)			
		A	B	CF1	CF2	L1	L2	F1	S1	F2	D1	D2	F1	S2	Average Axial Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	Average Radial Stiffness Y (daN/mm)	Average Radial Stiffness X (daN/mm)
6051CNA12W	45														15,5	77,5	5	53	31
6051CNA12M	60	60	45	80	-	107	70	12,1	2,5	11	55	50	12,2	3,5	28	140		85	56
6051CNA12H	70														40	200		120	80

The item code refers to the cone mount complete with washers.

## CONE/CAB MOUNTS

## Type CNA



Item	Hardness (IRHD)	Cone										Washer				(N.B. 1 daN = 1.0197 kgf)			
		A	B	CF1	CF2	L1	L2	F1	S1	F2	D1	D2	F1	S2	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	Average Radial Stiffness Y (daN/mm)	Average Radial Stiffness X (daN/mm)
7856CNA16W	45	78	50	80	65	107	90	16.5	4	11	80	65	16	4	24	120	5	61	31
7856CNA16K	50														33	165		71	36
7856CNA16M	60														42	210		100	51
7856CNA16H	70														56	270		160	84

The item code *refers* to the cone mount *complete* with washers.  
For the correct working of the mount, the cone must be assembled with the stepped washer fitted to the upper section of the mount.



## CONE/CAB MOUNTS

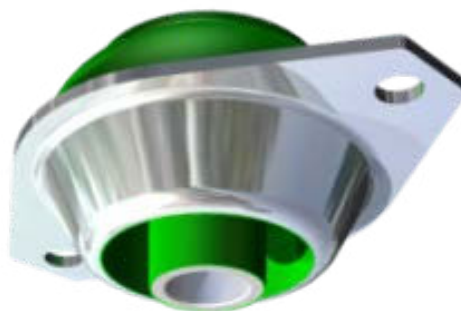
## Type TE

These mounts have a particular rubber section made for shear and compression stresses which allows good axial deflections.

Cone mounts are low cost isolators that have high load carrying capacity within a compact size that provides a stable solution for a wide number of applications.

This design of mount is ideally suited for isolating cabs of trucks, bus engines, radiators etc...

The mounts are assembled with two safety washers to minimize overloads.



### STANDARD PRODUCTION

Cone and flange: DD13 or DC04 steel (UNI EN 10111 ALT UNI EN 10130)

Washers: DD12 Steel UNI 10111

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

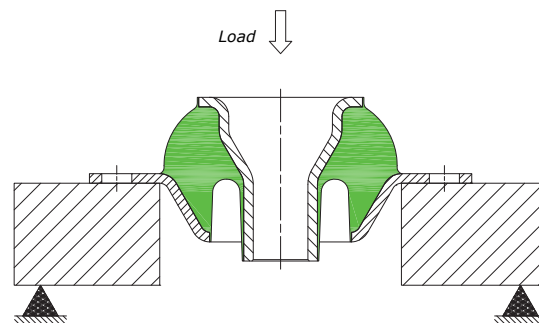
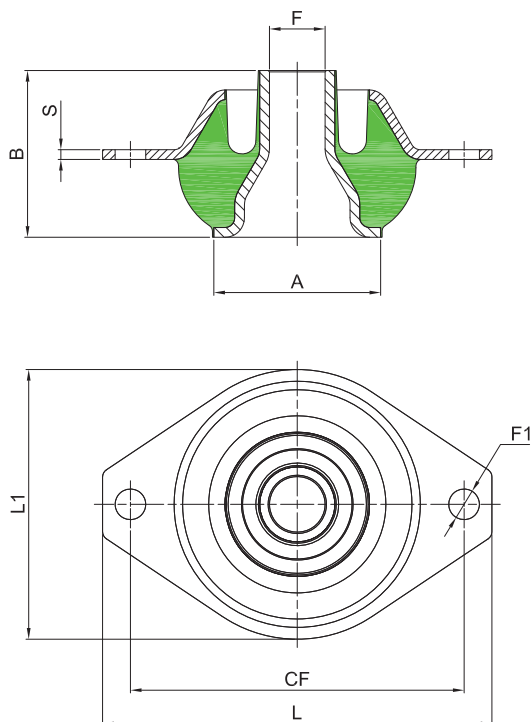
Stiffness tolerance +/- 15%

### APPLICATIONS

- Gensets • Engines • Special equipments
- Compressors • Pumps • HVAC

### OPTIONS & ADDITIONAL PARTS

Alternative elastomeric compounds available



(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	CF	L	L1	S	F	F1	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
TE-3074W	45	60	60	120	140	97	3.5	20	11	30	240	8
TE-3074M	60									56	450	
TE-3074H	70									86	670	





## CONE/CAB MOUNTS

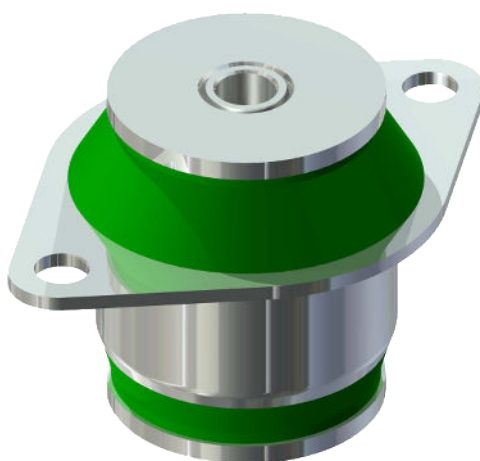
## Type FSMR

These mounts have a particular rubber section made for shear and compression stresses which allows good axial deflections.

Cone mounts are low cost isolators that have high load carrying capacity within a compact size that provides a stable solution for a wide number of applications.

This design of mount is ideally suited for isolating cabs of trucks, bus engines, radiators etc...

The mounts are assembled with two safety washers to minimize overloads.



### STANDARD PRODUCTION

Cone and flange: DD13 or DC04 steel (UNI EN 10111 ALT UNI EN 10130)

Washers: DD12 Steel UNI 10111

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 15%

### APPLICATIONS

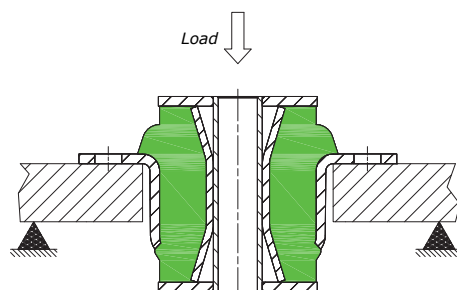
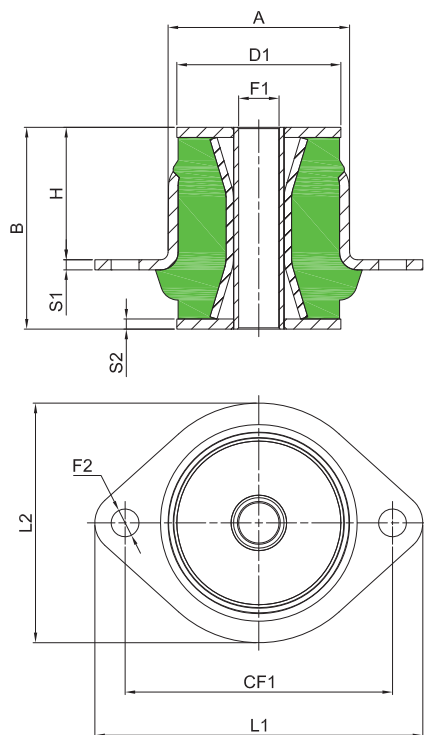
- Gensets • Engines • Special equipment
- Compressors • Pumps • HVAC

### OPTIONS & ADDITIONAL PARTS

Alternative elastomeric compounds available

# CONE/CAB MOUNTS

# Type FSMR



(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	B	H	CF1	D1	F1	F2	L1	L2	S1	S2	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
<b>FSMR6070W</b>	45												35,0	245,0	7,0
<b>FSMR6070M</b>	60	60	70	43	98	55	12	11	120	80	3	4	65,0	455,0	
<b>FSMR6070H</b>	65												100,0	700,0	
<b>FSMR7280W</b>	45												50,0	300,0	6,0
<b>FSMR7280M</b>	60	72	80	53	106	65	16	11	130	95	4	4	95,0	570,0	
<b>FSMR7280H</b>	65												170,0	850,0	



A complete range of mounts, which can be fixed in numerous ways with either internal, external or combination threads, and can be used in compression or shear. They come in various sizes, from 8 to 150mm, with loads applied from 2daN (approx. 2kg) to over 1,000 daN (approx. 1,020kg).



## STANDARD PRODUCTION

### **Cold formed screws and nuts**

Nuts: Class 4   Screws: Class 4.8

### **Welded screws and nuts**

Washer: DD12 steel UNI 10111

Nuts: Class 4   Screws: Class 4.8

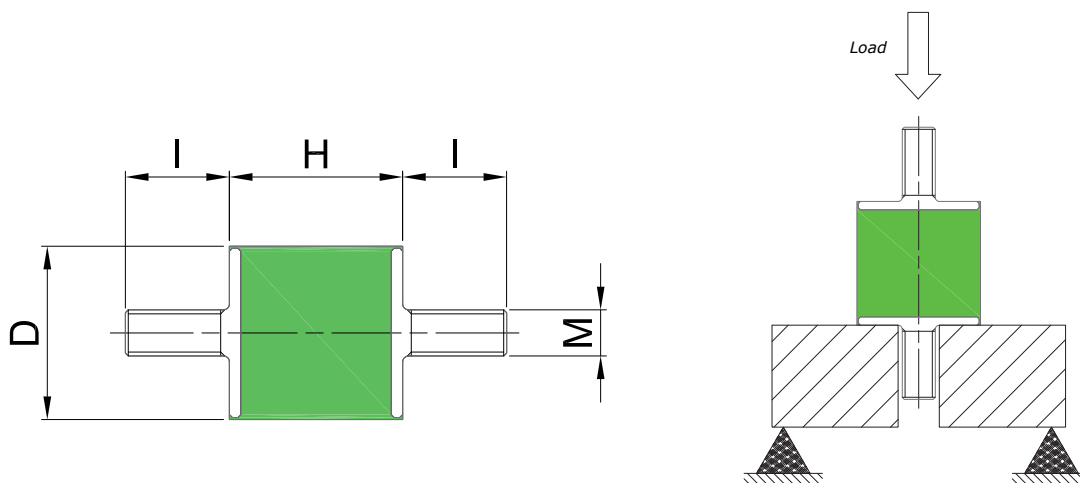
Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

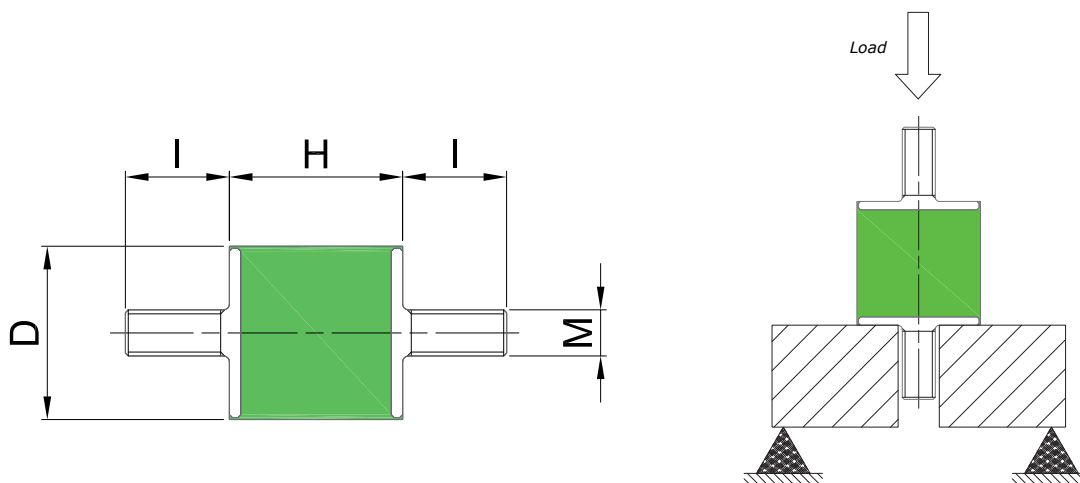
## APPLICATIONS

- Measurement equipment   • Instruments   • Small machinery
- Engines   • Pumps   • Radiators

**MALE/MALE BOBBIN**
**Type VV**


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x l	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
0808VV06	8	8	M3X06	3,0	5,5	7,5	1,6
1008VV10	10	8	M4X10	3,8	7,2	11,3	1,6
1413VV10	14	13	M4X10	3,6	7,1	9,8	2,8
1508VV10	15	8	M4X10	12,8	23,5	32,5	1,6
1615VV10	16	15	M4X10	4,5	8,2	11,5	3,0
1885VV16	18	8,5	M6X16	17,2	32,5	45,0	1,7
2008VV18	20	8	M6X18	19,2	35,0	48,3	1,6
2015VV18	20	15	M6X18	7,5	14,2	19,2	3,0
2020VV18	20	20	M6X18	4,4	8,1	11,3	4,0
2025VV18	20	25	M6X18	3,0	5,5	7,7	5,0
2030VV18	20	30	M6X18	2,0	3,7	5,2	6,0
2510VV18	25	10	M6X18	27,8	53,3	73,3	2,0
2513VV18	25	13	M6X18	20,5	39,0	54,3	2,6
2515VV18	25	5	M6X18	15,0	28,3	40,0	3,0
2520VV18	25	20	M6X18	10,0	18,1	24,4	4,0
2520VV20	25	20	M8X20	10,0	18,1	24,4	4,0
2522VV20	25	22	M8X20	8,0	15,0	20,0	4,4
2525VV18	25	25	M6X18	5,9	11,0	15,2	5,0
2525VV20	25	25	M8X20	5,9	11,0	15,2	5,0

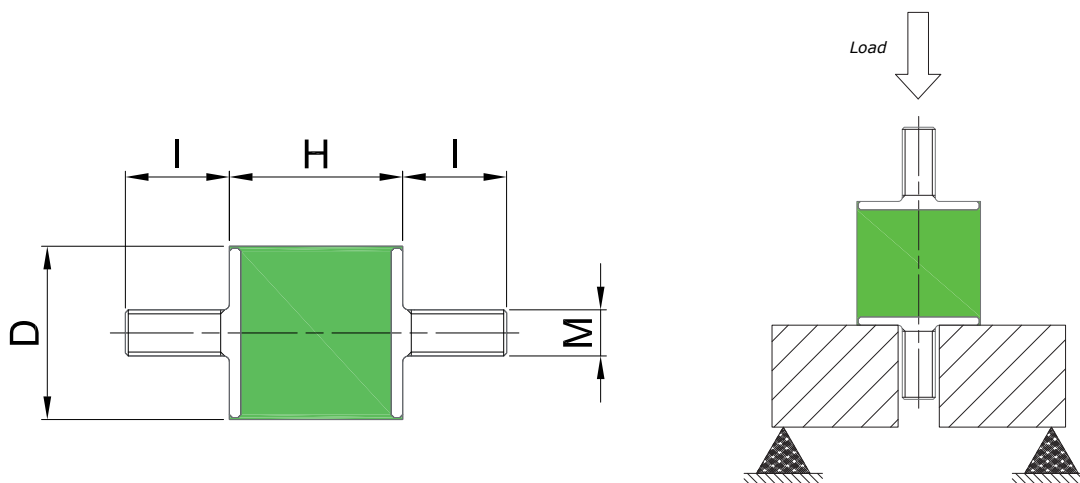
**MALE/MALE BOBBIN**
**Type VV**


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x l	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
2530VV18	25	30	M6X18	4,3	8,1	10,7	6,0
2530VV20	25	30	M8X20	4,3	8,1	10,7	6,0
2540VV20	25	40	M8X20	2,7	5,3	7,2	6,0
3015VV20	30	15	M8X20	20,0	37,3	51,8	3,0
3020VV20	30	20	M8X20	12,5	23,8	31,9	4,0
3022VV20	30	22	M8X20	10,6	18,9	26,1	4,4
3025VV20	30	25	M8X20	8,1	13,8	19,0	5,0
3030VV20	30	30	M8X20	5,8	10,8	14,6	6,0
3040VV20	30	40	M8X20	4,5	7,6	10,0	8,0
4015VV23	40	15	M8X23	17,9	33,7	46,4	3,0
4020VV23	40	20	M8X23	25,6	48,1	66,3	4,0
4020VV25	40	20	M10X25	25,6	48,1	66,3	4,0
4025VV25	40	25	M10X25	18,1	33,8	46,2	5,0
4028VV25	40	28	M10X25	14,6	27,1	37,1	5,6
4030VV23	40	30	M8X23	12,7	23,8	33,5	6,0
4030VV25	40	30	M10X25	12,7	23,8	33,5	6,0
4035VV23	40	35	M8X23	9,7	18,1	25,2	7,0
4035VV25	40	35	M10X25	9,7	18,1	25,2	7,0
4040VV23	40	40	M8X23	8,1	15,0	20,6	8,0

# MALE/MALE BOBBIN

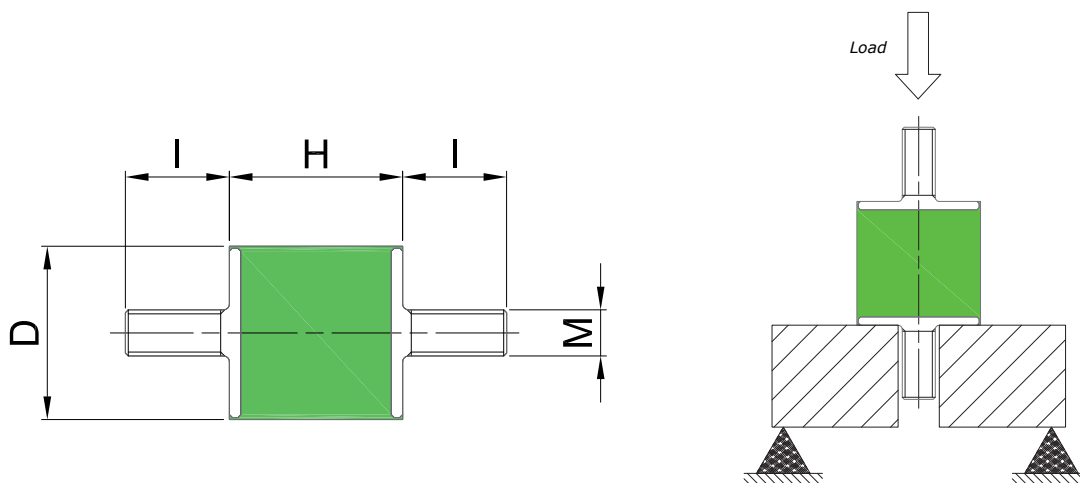
# Type VV



(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x l	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
4040VV25	40	40	M10X25	8,1	15,0	20,6	8,0
4045VV25	40	45	M10X25	6,8	12,7	17,1	9,0
5020VV25	50	20	M10X25	56,7	106,0	146,0	4,0
5025VV25	50	25	M10X25	39,5	73,5	101,5	5,0
5030VV25	50	30	M10X25	27,2	50,0	69,2	6,0
5033VV25	50	33	M10X25	22,4	41,0	56,9	6,6
5035VV25	50	35	M10X25	19,7	36,7	50,3	7,0
5040VV25	50	40	M10X25	14,0	26,0	36,0	8,0
5045VV25	50	45	M10X25	11,0	20,5	28,5	9,0
5050VV25	50	50	M10X25	8,9	16,9	23,1	8,0
6025VV25	60	25	M10X25	61,0	113,5	157,0	5,0
6030VV25	60	30	M10X25	43,2	80,0	110,4	6,0
6030VV37	60	30	M12X37	43,2	80,0	110,4	6,0
6036VV25	60	36	M10X25	34,2	63,5	87,7	7,2
6036VV37	60	36	M12X37	34,2	63,5	87,7	7,2
6040VV25	60	40	M10X25	28,0	52,3	71,1	8,0
6040VV37	60	40	M12X37	28,0	52,3	71,1	8,0
6045VV25	60	45	M10X25	22,3	41,5	57,5	9,0
6045VV37	60	45	M12X37	22,3	41,5	57,5	9,0



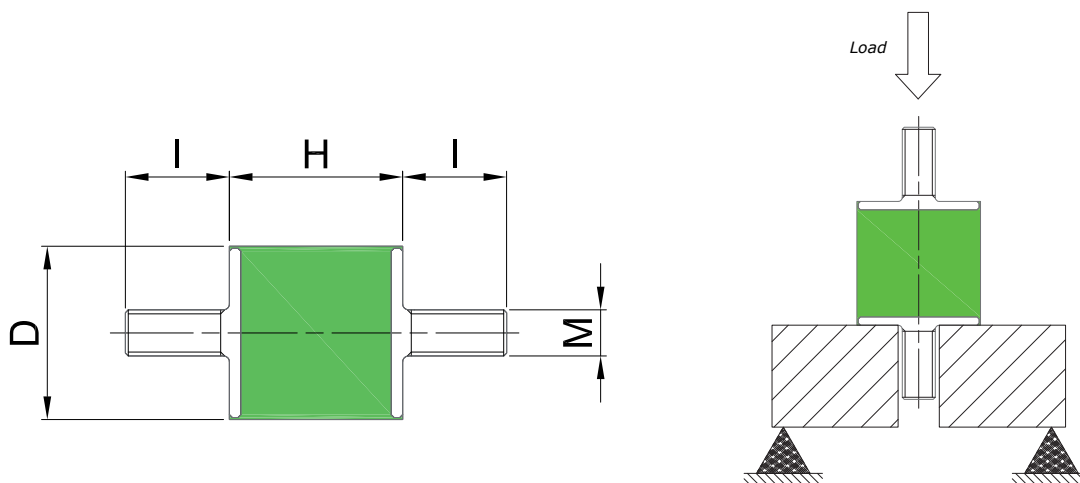
**MALE/MALE BOBBIN**
**Type VV**


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>6050VV37</b>	60	50	M12X37	17,8	33,1	45,6	10,0
<b>6055VV37</b>	60	55	M12X37	14,6	27,2	37,2	11,0
<b>6535VV25</b>	65	35	M10X25	43,0	80,0	110,7	7,0
<b>6545VV37</b>	65	45	M12X37	25,0	46,3	64,0	9,0
<b>6550VV37</b>	65	50	M12X37	19,1	35,1	48,9	10,0
<b>7030VV25</b>	70	30	M10X25	70,8	132,1	180,0	6,0
<b>7030VV37</b>	70	30	M12X37	70,8	132,1	180,0	6,0
<b>7035VV25</b>	70	35	M10X25	51,7	102,8	141,7	7,0
<b>7035VV37</b>	70	35	M12X37	51,7	102,8	141,7	7,0
<b>7040VV25</b>	70	40	M10X25	40,9	75,9	105,0	8,0
<b>7040VV37</b>	70	40	M12X37	40,9	75,9	105,0	8,0
<b>7045VV25</b>	70	45	M10X25	32,1	59,5	80,0	9,0
<b>7045VV37</b>	70	45	M12X37	32,1	59,5	80,0	9,0
<b>7050VV25</b>	70	50	M10X25	25,9	48,0	66,4	10,0
<b>7050VV37</b>	70	50	M12X37	25,9	48,0	66,4	10,0
<b>7060VV25</b>	70	60	M10X25	20,9	38,5	53,3	12,0
<b>7060VV37</b>	70	60	M12X37	20,9	38,5	53,3	12,0
<b>7070VV25</b>	70	70	M10X25	16,9	31,3	43,4	14,0
<b>7070VV37</b>	70	70	M12X37	16,9	31,3	43,4	14,0

# MALE/MALE BOBBIN

# Type VV

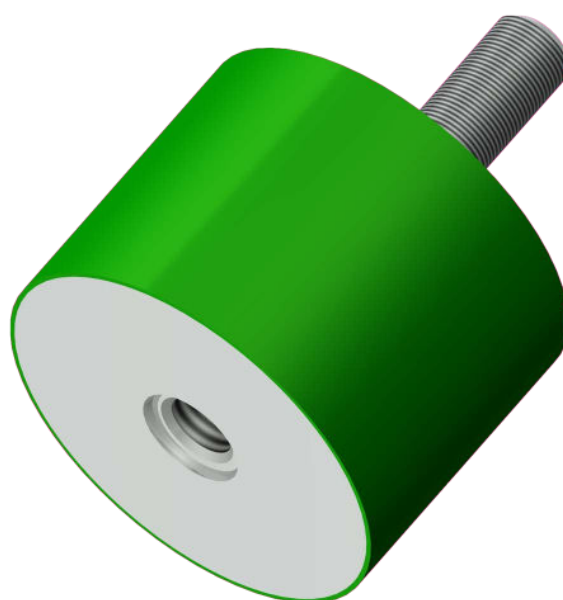


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x l	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>7525VV37</b>	75	25	M12X37	116,3	221,1	303,7	5,0
<b>7540VV37</b>	75	40	M12X37	44,1	82,4	113,5	8,0
<b>7550VV37</b>	75	50	M12X37	32,5	60,9	84,1	10,0
<b>7555VV37</b>	75	55	M12X37	25,5	48,0	66,1	11,0
<b>8030VV35</b>	80	30	M14X35	112,5	213,3	293,3	6,0
<b>8040VV35</b>	80	40	M14X35	60,0	112,1	155,0	8,0
<b>8050VV35</b>	80	50	M14X35	39,8	75,0	103,2	10,0
<b>8060VV35</b>	80	60	M14X35	26,7	50,0	68,5	12,0
<b>8070VV35</b>	80	70	M14X35	20,5	38,3	52,5	14,0
<b>8080VV35</b>	80	80	M14X35	16,8	30,9	42,6	16,0
<b>10030VV44</b>	100	30	M16X44	209,1	400,0	550,0	6,0
<b>10040VV44</b>	100	40	M16X44	115,6	209,4	289,1	8,0
<b>10045VV44</b>	100	45	M16X44	87,8	162,2	224,3	9,0
<b>10050VV44</b>	100	50	M16X44	69,0	125,0	172,6	10,0
<b>10055VV44</b>	100	55	M16X44	57,4	106,4	146,8	11,0
<b>10060VV44</b>	100	60	M16X44	50,0	90,4	125,0	12,0
<b>10075VV44</b>	100	75	M16X44	32,1	56,7	78,4	15,0
<b>100100VV44</b>	100	100	M16X44	17,9	32,1	44,6	20,0
<b>15075VV44</b>	150	75	M16X44	97,0	178,5	246,4	15,0



A complete range of mounts, which can be fixed in numerous ways with either internal, external or combination threads, and can be used in compression or shear. They come in various sizes, from 8 to 150mm, with loads applied from 2daN (approx. 2kg) to over 1,000 daN (approx. 1,020kg).



## STANDARD PRODUCTION

**Cold formed screws and nuts** Nuts: Class 4 Screws : Class 4.8  
**Welded screws and nuts** Washer: DD12 steel UNI 10111  
 Nuts: Class 4 Screws: Class 4.8

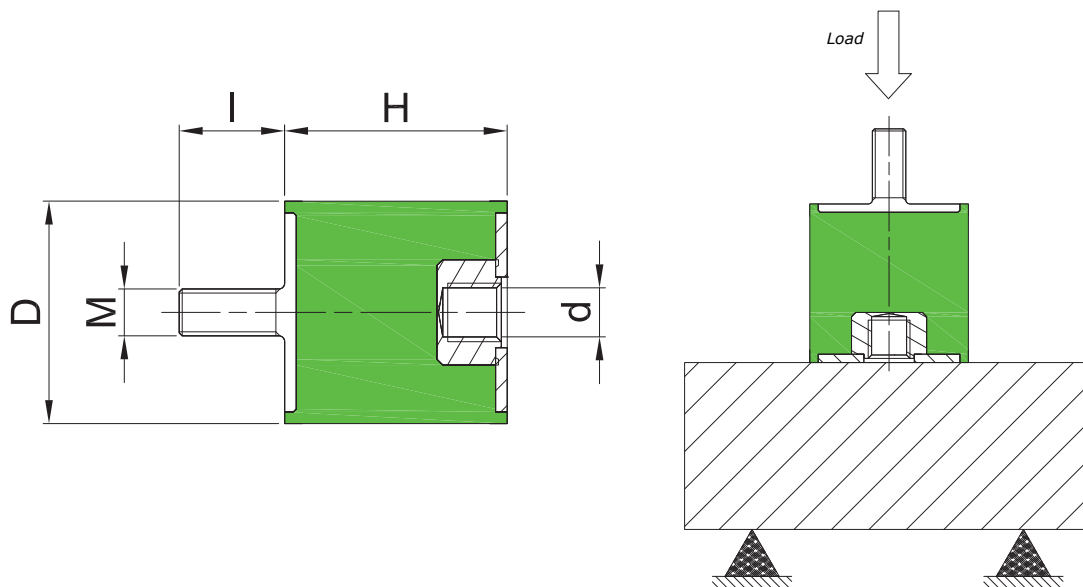
Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

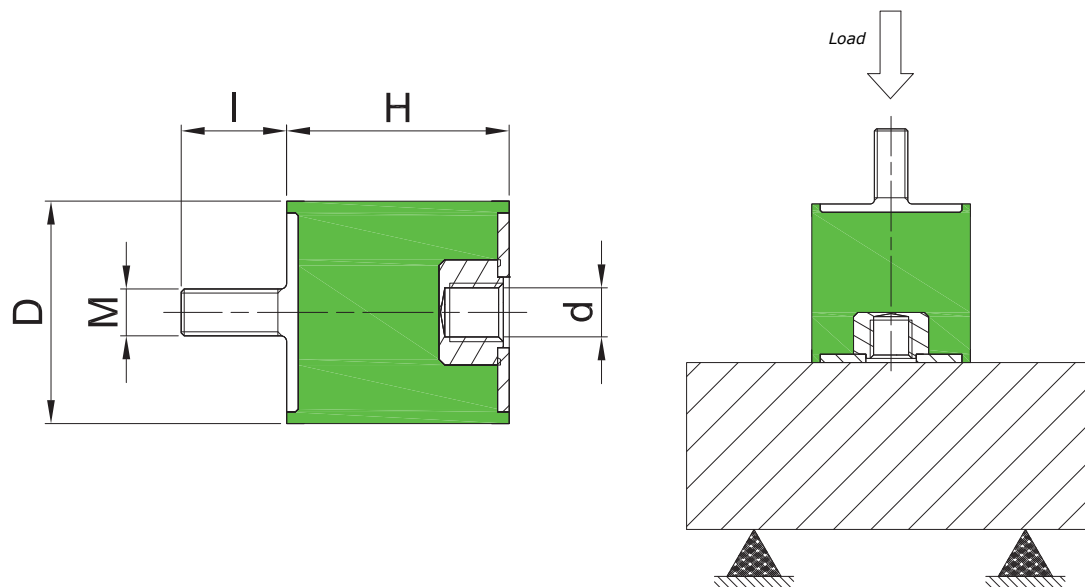
## APPLICATIONS

- Measurement equipment • Instruments • Small machinery
- Engines • Pumps • Radiators

**MALE/FEMALE BOBBIN**
**Type VD**


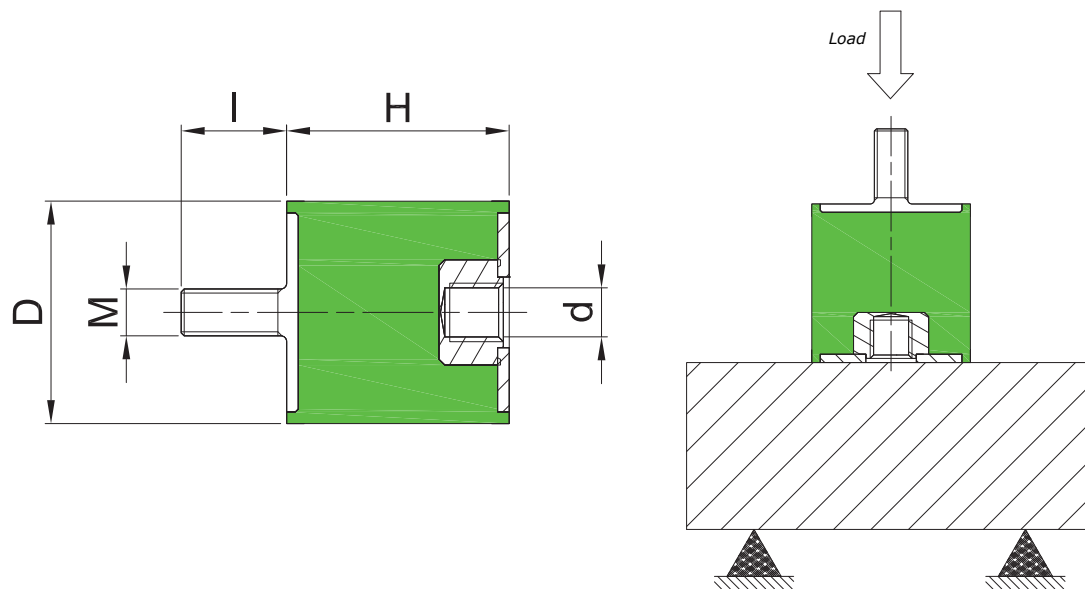
(N.B. 1 daN = 1.0197 kgf)

Item	D	H	d	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
0808VD06	8	8	M3	M3X6	3,8	7,2	11,3	1,6
1008VD10	10	8	M4	M4X10	4,0	7,3	10,3	1,6
1413VD10	14	13	M4	M4X10	3,7	7,3	10,1	2,6
1615VD10	16	15	M4	M4X10	4,6	8,5	11,8	3,0
2015VD18	20	15	M6	M6X18	7,8	14,6	20,0	3,0
2020VD18	20	20	M6	M6X18	4,5	8,4	11,6	4,0
2025VD18	20	25	M6	M6X18	3,1	5,6	8,0	5,0
2030VD18	20	30	M6	M6X18	2,1	3,8	5,3	6,0
2515VD18	25	15	M6	M6X18	15,4	29,2	40,8	3,0
2520VD18	25	20	M6	M6X18	10,3	18,8	25,0	4,0
2520VD20	25	20	M8	M8X20	10,3	18,8	25,0	4,0
2522VD20	25	22	M8	M8X20	8,2	15,6	20,6	4,4
2525VD18	25	25	M6	M6X18	6,1	11,4	15,7	5,0
2525VD20	25	25	M8	M8X20	6,1	11,4	15,7	5,0
2530VD18	25	30	M6	M6X18	4,4	8,5	11,1	6,0
2530VD20	25	30	M8	M8X20	4,4	8,5	11,1	6,0
3015VD20	30	15	M8	M8X20	20,9	38,2	53,6	3,0
3020VD20	30	20	M8	M8X20	13,1	22,4	33,1	4,0
3022VD20	30	22	M8	M8X20	11,1	19,4	26,7	4,4

**MALE/FEMALE BOBBIN**
**Type VD**


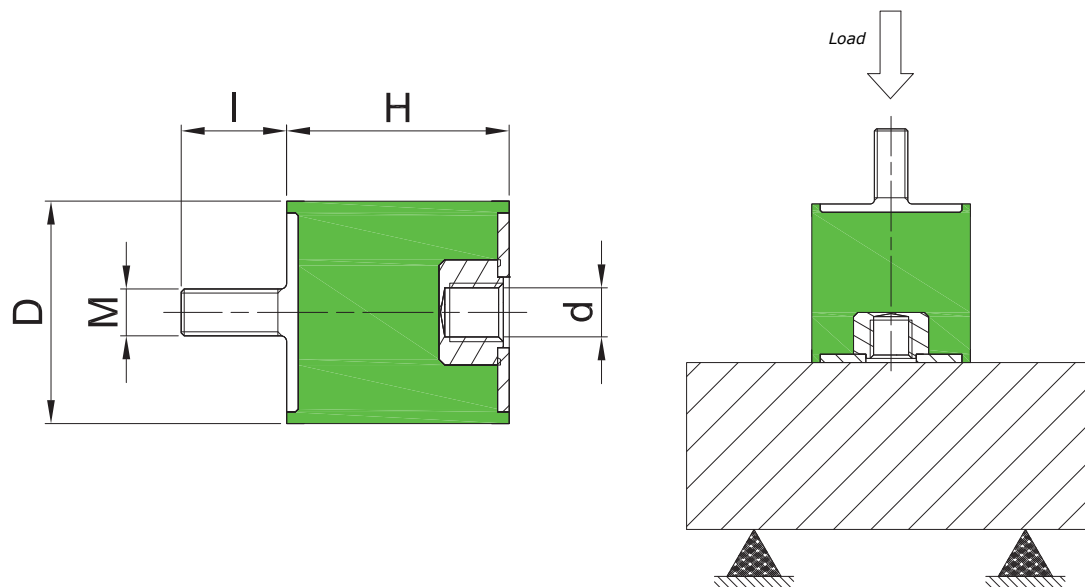
(N.B. 1 daN = 1.0197 kgf)

Item	D	H	d	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
3025VD20	30	25	M8	M8X20	8,3	14,3	19,5	5,0
3030VD20	30	30	M8	M8X20	6,0	11,2	15,0	6,0
3040VD20	30	40	M8	M8X20	4,0	7,8	10,3	8,0
4020VD23	40	20	M8	M8X23	26,3	49,4	68,1	4,0
4020VD25	40	20	M10	M10X25	26,3	49,4	68,1	4,0
4025VD25	40	25	M10	M10X25	18,6	34,8	47,6	5,0
4028VD25	40	28	M10	M10X25	15,0	27,9	38,3	5,6
4030VD23	40	30	M8	M8X23	13,1	24,6	34,2	6,0
4030VD25	40	30	M10	M10X25	13,1	24,6	34,2	6,0
4035VD23	40	35	M8	M8X23	10,0	18,4	25,8	7,0
4035VD25	40	35	M10	M10X25	10,0	18,4	25,8	7,0
4040VD23	40	40	M8	M8X23	8,3	15,3	21,1	8,0
4040VD25	40	40	M10	M10X25	8,3	15,3	21,1	8,0
4045VD25	40	45	M10	M10X25	7,1	12,9	18,3	9,0
5020VD25	50	20	M10	M10X25	58,0	109,3	150,7	4,0
5025VD25	50	25	M10	M10X25	40,5	75,5	104,5	5,0
5030VD25	50	30	M10	M10X25	28,0	51,6	71,2	6,0
5035VD25	50	35	M10	M10X25	20,3	37,7	52,0	7,0
5040VD25	50	40	M10	M10X25	14,3	26,9	37,1	8,0

**MALE/FEMALE BOBBIN**
**Type VD**


(N.B. 1 daN = 1.0197 kgf)

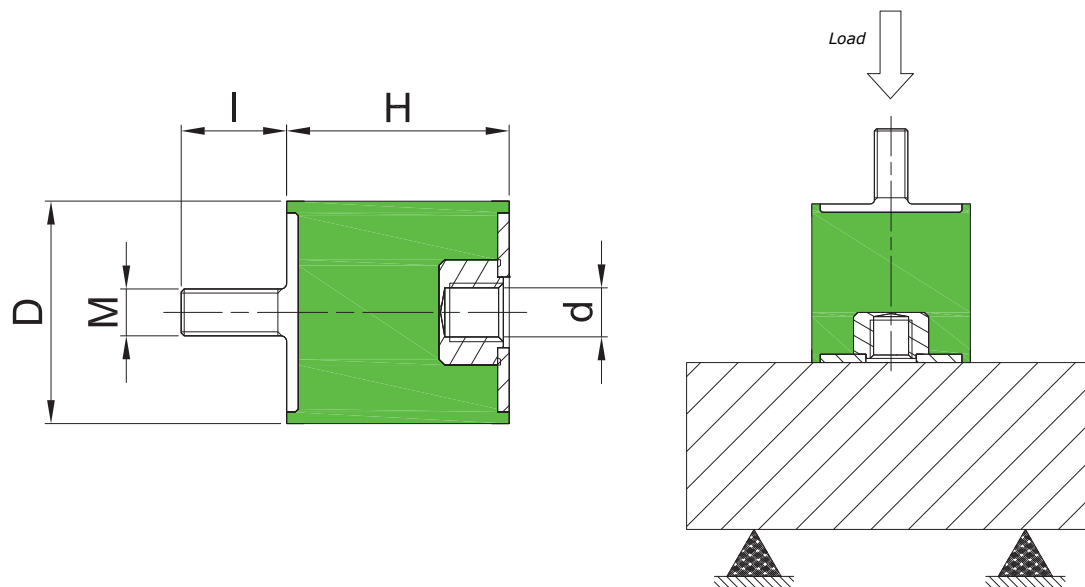
Item	D	H	d	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
5045VD25	50	45	M10	M10X25	11,3	21,0	29,3	9,0
5050VD25	50	50	M10	M10X25	9,1	17,3	23,8	10,0
6030VD25	60	30	M10	M10X25	44,4	82,4	113,6	6,0
6036VD25	60	36	M10	M10X25	35,2	65,5	90,3	7,2
6036VD37	60	36	M12	M12X37	35,2	65,5	90,3	7,2
6040VD25	60	40	M10	M10X25	28,9	53,7	73,1	8,0
6040VD37	60	40	M12	M12X37	28,9	53,7	73,1	8,0
6045VD25	60	45	M10	M10X25	23,0	42,8	59,3	9,0
6045VD37	60	45	M12	M12X37	23,0	42,8	59,3	9,0
6050VD37	60	50	M12	M12X37	18,2	34,0	46,9	10,0
6055VD37	60	55	M12	M12X37	15,0	28,0	38,2	11,0
6535VD25	65	35	M10	M10X25	44,3	82,3	114,0	7,0
6545VD37	65	45	M12	M12X37	25,8	47,5	66,0	9,0
6550VD37	65	50	M12	M12X37	19,6	36,2	50,2	10,0
7030VD25	70	30	M10	M10X25	72,9	135,8	185,4	6,0
7030VD37	70	30	M12	M12X37	72,9	135,8	185,4	6,0
7035VD25	70	35	M10	M10X25	53,1	105,9	145,9	7,0
7035VD37	70	35	M12	M12X37	53,1	105,9	145,9	7,0
7040VD25	70	40	M10	M10X25	42,1	78,2	107,9	8,0

**MALE/FEMALE BOBBIN**
**Type VD**


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	d	M x l	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
7040VD37	70	40	M12	M12X37	42,1	78,2	107,9	8,0
7045VD25	70	45	M10	M10X25	33,1	61,3	82,3	9,0
7045VD37	70	45	M12	M12X37	33,1	61,3	82,3	9,0
7050VD25	70	50	M10	M10X25	26,6	49,3	68,2	10,0
7050VD37	70	50	M12	M12X37	26,6	49,3	68,2	10,0
7060VD25	70	60	M10	M10X25	21,5	39,6	54,8	12,0
7060VD37	70	60	M12	M12X37	21,5	39,6	54,8	12,0
7070VD25	70	70	M10	M10X25	17,3	32,2	44,7	14,0
7070VD37	70	70	M12	M12X37	17,3	32,2	44,7	14,0
7540VD37	75	40	M12	M12X37	45,3	84,7	116,8	8,0
7550VD37	75	50	M12	M12X37	33,4	62,7	86,6	10,0
7555VD37	75	55	M12	M12X37	26,1	49,4	68,0	11,0
8030VD35	80	30	M14	M14X35	115,8	219,6	302,1	6,0
8040VD35	80	40	M14	M14X35	61,8	115,3	159,7	8,0
8050VD35	80	50	M14	M14X35	40,9	77,3	106,1	10,0
8050VD37	80	50	M12	M12X37	40,9	77,3	106,1	10,0
8060VD35	80	60	M14	M14X35	27,4	51,5	70,6	12,0
8070VD35	80	70	M14	M14X35	21,1	39,4	54,1	14,0
8080VD35	80	80	M14	M14X35	17,3	31,9	43,8	16,0





(N.B. 1 daN = 1.0197 kgf)

Item	D	H	d	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>10040VD44</b>	100	40	M16	M16X44	118,8	215,6	296,9	8,0
<b>10050VD44</b>	100	50	M16	M16X44	71,4	128,6	178,6	10,0
<b>10055VD44</b>	100	55	M16	M16X44	58,5	109,6	151,1	11,0
<b>10060VD44</b>	100	60	M16	M16X44	51,0	92,3	128,8	12,0
<b>10075VD44</b>	100	75	M16	M16X44	32,8	58,2	80,6	15,0
<b>100100VD44</b>	100	100	M16	M16X44	18,5	32,6	45,7	20,0



A complete range of mounts, which can be fixed in numerous ways with either internal, external or combination threads, and can be used in compression or shear. They come in various sizes, from 8 to 150mm, with loads applied from 2daN (approx. 2kg) to over 1,000 daN (approx. 1,020kg).



## STANDARD PRODUCTION

**Cold formed screws and nuts** Nuts: Class 4 Screws: Class 4.8  
**Welded screws and nuts** Washer: DD12 steel UNI 10111  
 Nuts: Class 4 Screws: Class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

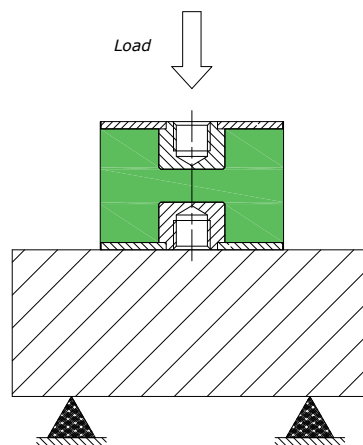
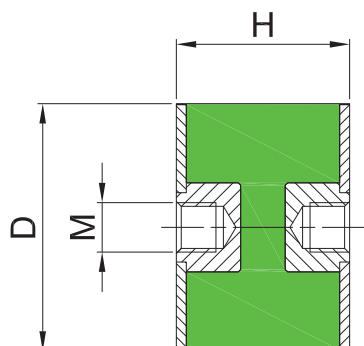
Stiffness tolerance +/- 20%

## APPLICATIONS

- Measurement equipment • Instruments • Small machinery
- Engines • Pumps • Radiators

# FEMALE/FEMALE BOBBIN

# Type DD

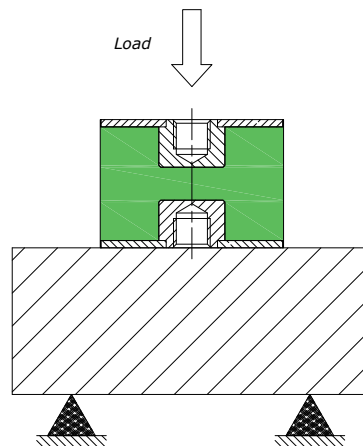
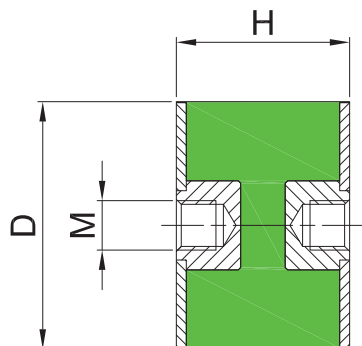


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
1413DD04	14	13	M4	3,8	7,3	10,0	2,8
1615DD04	16	15	M4	4,7	8,6	12,2	3,0
1615DD05	16	15	M5	4,7	8,6	12,2	3,0
2015DD06	20	15	M6	7,9	14,8	20,5	3,0
2020DD06	20	20	M6	4,6	8,6	11,8	4,0
2025DD06	20	25	M6	3,2	5,7	8,1	5,0
2030DD06	20	30	M6	2,2	3,8	5,4	6,0
2515DD06	25	15	M6	15,7	30,0	42,0	3,0
2520DD06	25	20	M6	10,5	19,4	25,6	4,0
2522DD08	25	22	M8	8,4	16,1	21,1	4,4
2525DD06	25	25	M6	6,2	11,9	16,2	5,0
2530DD06	25	30	M6	4,8	8,9	11,5	6,0
2530DD08	25	30	M8	4,8	8,9	11,5	6,0
3020DD08	30	20	M8	12,6	24,0	32,0	4,0
3025DD08	30	25	M8	8,6	14,8	20,0	5,0
3030DD08	30	30	M8	6,1	11,5	15,4	6,0
3040DD08	30	40	M8	4,1	8,1	10,6	8,0
4020DD08	40	20	M8	26,7	50,8	73,3	4,0
4028DD08	40	28	M8	15,4	28,3	38,8	5,6

# FEMALE/FEMALE BOBBIN

# Type DD

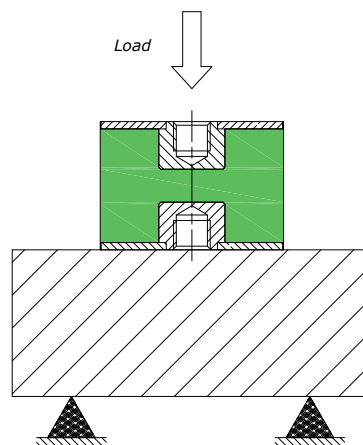
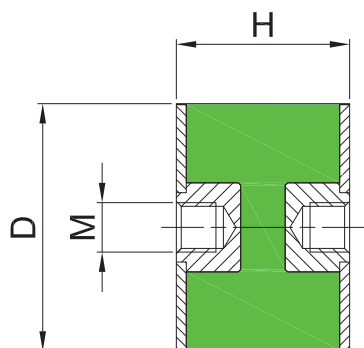


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
4028DD10	40	28	M10	15,4	28,3	38,8	5,6
4030DD08	40	30	M8	13,5	25,0	35,0	6,0
4030DD10	40	30	M10	13,5	25,0	35,0	6,0
4035DD08	40	35	M8	10,3	18,7	26,5	7,0
4035DD10	40	35	M10	10,3	18,7	26,5	7,0
4040DD08	40	40	M8	8,6	15,8	21,7	8,0
4040DD10	40	40	M10	8,6	15,8	21,7	8,0
4045DD10	40	45	M10	7,3	13,7	18,8	9,0
5025DD10	50	25	M10	36,2	66,7	91,9	5,0
5030DD10	50	30	M10	28,4	52,4	72,0	5,0
5035DD10	50	35	M10	20,7	38,3	52,7	7,0
5040DD10	50	40	M10	14,6	27,1	37,7	8,0
5045DD10	50	45	M10	11,5	21,5	30,0	9,0
5050DD10	50	50	M10	9,3	17,8	24,2	10,0
6036DD10	60	36	M10	35,8	66,5	91,9	7,2
6036DD12	60	36	M12	35,8	66,5	91,9	7,2
6040DD10	60	40	M10	29,4	54,9	74,6	8,0
6040DD12	60	40	M12	29,4	54,9	74,6	8,0
6045DD10	60	45	M10	23,3	43,5	60,3	9,0

# FEMALE/FEMALE BOBBIN

# Type DD

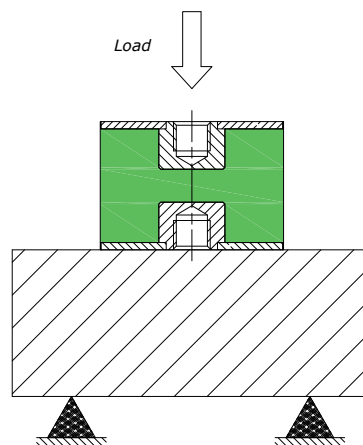
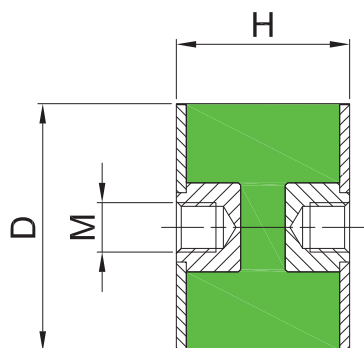


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
6045DD12	60	45	M12	23,3	43,5	60,3	9,0
6050DD12	60	50	M12	18,7	34,7	47,8	10,0
6055DD12	60	55	M12	13,8	25,8	35,5	11,0
6535DD10	65	35	M10	45,0	84,0	116,0	7,0
6545DD10	65	45	M10	26,3	48,5	67,0	9,0
6545DD12	65	45	M12	26,3	48,5	67,0	9,0
6550DD12	65	50	M12	20,0	36,7	51,1	10,0
7030DD10	70	30	M10	74,2	137,5	187,5	6,0
7030DD12	70	30	M12	74,2	137,5	187,5	6,0
7035DD10	70	35	M10	54,1	107,6	148,3	7,0
7035DD12	70	35	M12	54,1	107,6	148,3	7,0
7040DD10	70	40	M10	42,6	79,4	110,3	8,0
7040DD12	70	40	M12	42,6	79,4	110,3	8,0
7045DD10	70	45	M10	33,3	61,5	83,8	9,0
7045DD12	70	45	M12	33,3	61,5	83,8	9,0
7050DD10	70	50	M10	27,3	50,0	69,3	10,0
7050DD12	70	50	M12	27,3	50,0	69,3	10,0
7060DD10	70	60	M10	21,9	40,4	55,6	12,0
7060DD12	70	60	M12	21,9	40,4	55,6	12,0

# FEMALE/FEMALE BOBBIN

## Type DD

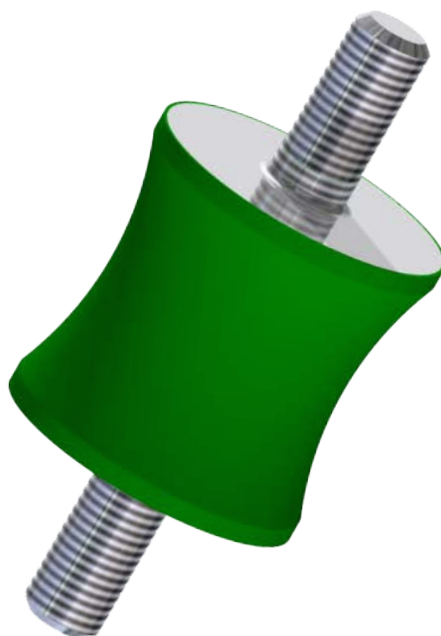


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
7070DD10	70	70	M10	17,7	32,8	45,3	14,0
7070DD12	70	70	M12	17,7	32,8	45,3	14,0
7540DD12	75	40	M12	46,2	85,3	117,6	8,0
7550DD12	75	50	M12	34,1	63,6	88,6	10,0
7555DD12	75	55	M12	26,5	50,0	69,4	11,0
8040DD14	80	40	M14	62,9	117,6	161,8	8,0
8050DD12	80	50	M12	42,0	78,4	108,0	10,0
8050DD14	80	50	M14	42,0	78,4	108,0	10,0
8060DD14	80	60	M14	27,8	51,9	71,3	12,0
8070DD14	80	70	M14	21,9	39,8	54,7	14,0
8080DD14	80	80	M14	17,6	32,4	44,6	16,0
10040DD16	100	40	M16	121,9	218,8	303,1	8,0
10045DD16	100	45	M16	93,2	168,9	233,8	9,0
10050DD16	100	50	M16	72,6	131,0	181,0	10,0
10055DD16	100	55	M16	59,6	110,6	153,2	11,0
10060DD16	100	60	M16	51,9	94,2	130,8	12,0
100100DD16	100	100	M16	19,0	33,2	46,7	20,0
15075DD16	150	75	M16	60,4	108,2	150,7	15,0
15075DD20	150	75	M20	60,4	108,2	150,7	15,0



A complete range of mounts, which can be fixed in numerous ways with either internal, external or combination threads, and can be used in compression or shear. They come in various sizes, from 8 to 150mm, with loads applied from 2daN (approx. 2.0kg) to over 340 daN (approx. 346kg).



## STANDARD PRODUCTION

**Cold formed screws and nuts** Nuts: Class 4 Screws : Class 4.8  
**Welded screws and nuts** Washer: DD12 steel UNI 10111  
 Nuts: Class 4 Screws: Class 4.8

Natural rubber NR

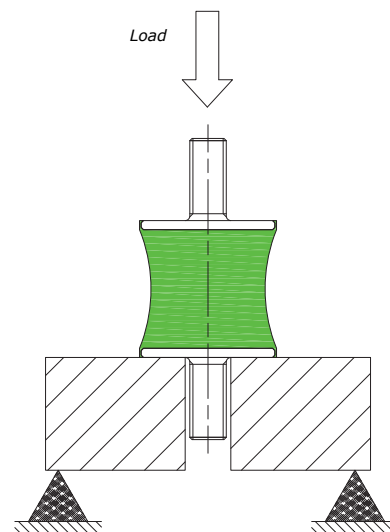
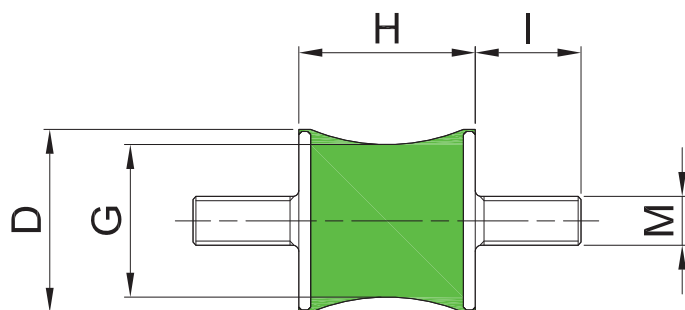
Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

## APPLICATIONS

- Measurement equipment • Instruments • Small machinery
- Engines • Pumps • Radiators



**MALE/MALE WAISTED BOBBIN**
**Type GVV**


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	G	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>1015GVV410</b>	10	15	6	M4X10	1,6	2,4	3,3	3,0
<b>1214GVV410</b>	12	14	7	M4X10	2,0	3,0	4,2	2,8
<b>1214GVV510</b>	12	14	7	M5X10	2,0	3,0	4,2	2,8
<b>1615GVV510</b>	16	15	12,5	M5X10	3,4	6,5	10,1	3,0
<b>2019GVV18</b>	20	19	14,5	M6X18	4,0	6,0	8,2	3,8
<b>2520GVVP18</b>	25	20	10	M6X18	2,8	4,2	5,8	4,0
<b>2520GVVG18</b>	25	20	17	M6X18	4,8	7,3	10,2	4,0
<b>3020GVV20</b>	30	20	24	M8X20	6,8	10,1	14,0	4,0
<b>4030GVVP23</b>	40	30	15	M8X23	4,1	6,0	8,2	6,0
<b>4030GVVG23</b>	40	30	27	M8X23	7,0	10,5	14,4	6,0
<b>6060GVV25</b>	60	60	50	M10X25	13,9	20,6	28,4	12,0



A complete range of mounts, which can be fixed in numerous ways with either internal, external or combination threads, and can be used in compression or shear.

They come in various sizes, from 8 to 150mm, with loads applied from 2daN (approx. 2kg) to over 350 daN (approx. 356kg).



## STANDARD PRODUCTION

**Cold formed screws and nuts** Nuts: Class 4 Screws : Class 4.8

**Welded screws and nuts** Washer: DD12 steel UNI 10111  
Nuts: Class 4 Screws: Class 4.8

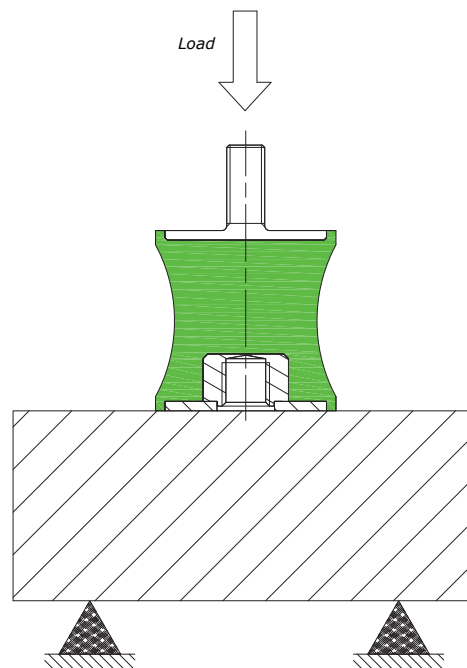
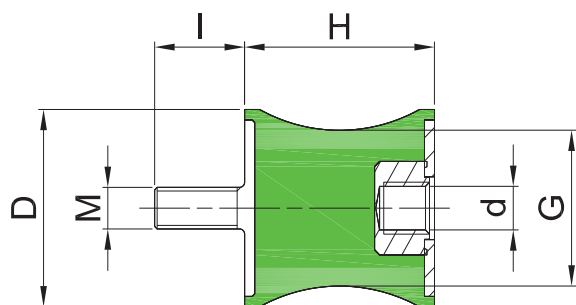
Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

## APPLICATIONS

- Measurement equipment • Instruments • Small machinery
- Engines • Pumps • Radiators



(N.B. 1 daN = 1.0197 kgf)

Item	D	H	G	d	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>1015GVD10</b>	10	15	6	M4	M4X10	1,7	2,5	3,4	3,0
<b>2019GVD18</b>	20	19	14,5	M6	M6X18	4,1	6,2	8,4	3,8
<b>2520GVDP18</b>	25	20	10	M6	M6X18	2,9	4,3	5,9	4,0
<b>2520GVDP18</b>	25	20	17	M6	M6X18	5,0	7,5	10,4	4,0
<b>3020GVD20</b>	30	20	24	M8	M8X20	6,9	10,4	14,4	4,0
<b>4030GVDP23</b>	40	30	15	M8	M8X23	4,2	6,1	8,4	6,0
<b>4030GVDP23</b>	40	30	27	M8	M8X23	7,2	10,8	14,8	6,0
<b>6060GVD25</b>	60	60	50	M10	M10X25	14,2	21,2	29,1	12,0



A complete range of mounts, which can be fixed in numerous ways with either internal, external or combination threads, and can be used in compression or shear. They come in various sizes, from 8 to 150mm, with loads applied from 2daN (approx. 2kg) to over 350 daN (approx. 356kg).



## STANDARD PRODUCTION

**Cold formed screws and nuts** Nuts: Class 4 Screws: Class 4.8

**Welded screws and nuts** Washer: DD12 steel UNI 10111  
Nuts: Class 4 Screws: Class 4.8

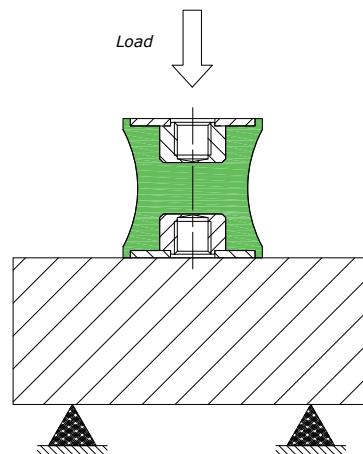
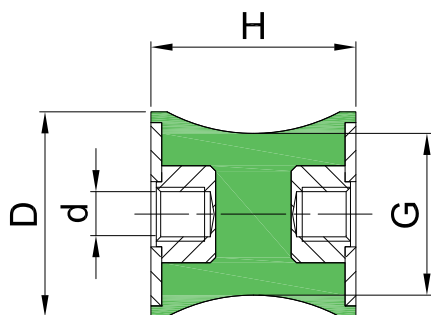
Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

## APPLICATIONS

- Measurement equipment • Instruments • Small machinery
- Engines • Pumps • Radiators



(N.B. 1 daN = 1.0197 kgf)

Item	D	H	G	d	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>1015GDD03</b>	10	15	6	M3	1,7	2,5	3,5	3,0
<b>1015GDD04</b>	10	15	6	M4	1,7	2,5	3,5	3,0
<b>2019GDD06</b>	20	19	14,5	M6	4,2	6,3	8,6	3,8
<b>2520GDD06</b>	25	20	17	M6	5,1	7,7	10,7	4,0
<b>3020GDD08</b>	30	20	24	M8	7,1	10,6	14,8	4,0
<b>4030GDDP08</b>	40	30	15	M8	4,3	6,3	8,6	6,0
<b>4030GDDG08</b>	40	30	27	M8	7,4	11,0	15,1	6,0
<b>6060GDD10</b>	60	60	50	M10	14,6	21,6	29,8	12,0



Extremely versatile mounts for vibration, shock, noise control.

Fibet AMS patented series are designed to work in compression, shear and even in traction when required.

Their simple design and construction allows their use in a wide variety of industrial applications.

Metal caps offer excellent shock and vibration protection in hostile environments.



## APPLICATIONS

- Measurement equipment • Instruments • Small machinery
- Engines • Pumps • Radiators

## STANDARD PRODUCTION

Washers: DD12 or DD13 steel (UNI EN 10111)

Nuts: Resistance class 4      Screws: Resistance class 4.8

Natural rubber NR

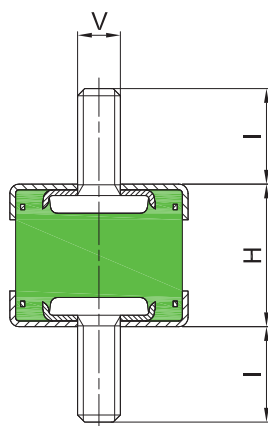
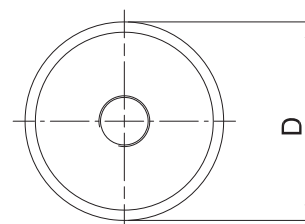
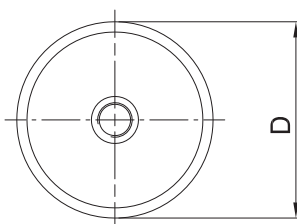
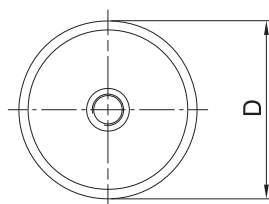
Zinc plated in accordance with CE standards CHROME VI free, white

## OPTIONS & ADDITIONAL PARTS

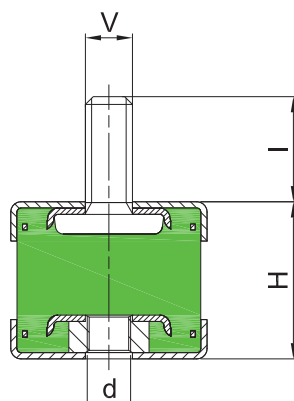
Alternative elastomeric hardness and compounds available

# PROTECTED HEAD BOBBIN

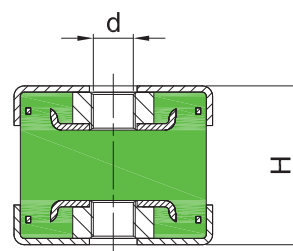
# Type AMS



Type 1



Type 2

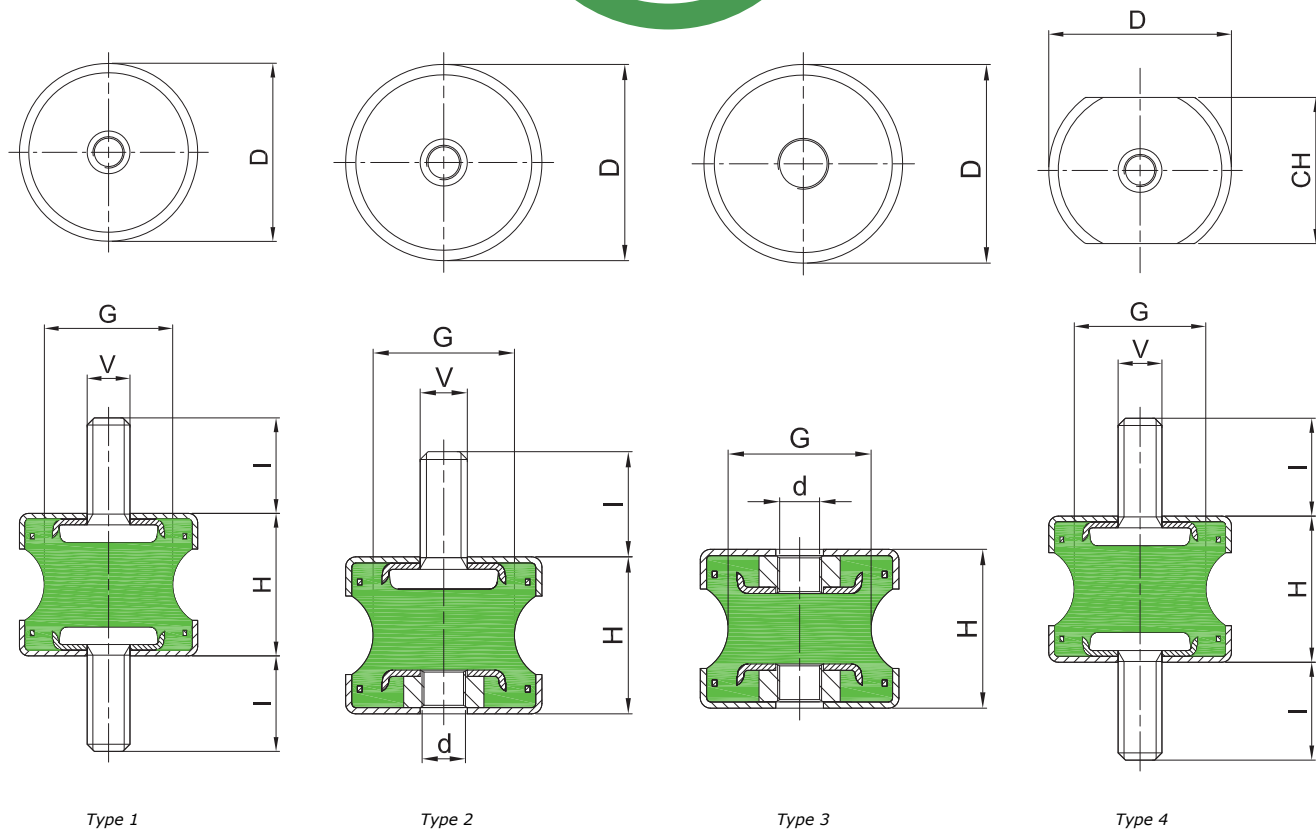


Type 3

Item	D	H	V x l	d	Type
AMS2515VV10	25	15	M6X10	-	1
AMS2520VV13	25	20	M6X13	-	1
AMS2525VV10	25	25	M6X10	-	1
AMS4030VV16	40	30	M8X16	-	1
AMS4030VV23	40	30	M8X23	-	1
AMS5020VV27	50	20	M10X27	-	1
AMS5030VV27	50	30	M10X27	-	1
AMS2520VD10	25	20	M6X10	M6	2
AMS2520VD13	25	20	M6X13	M6	2
AMS5030VD27	50	30	M10X27	M6	2
AMS2520DD06	25	20	-	M6	3
AMS4030DD08	40	30	-	M8	3
AMS5030DD10	50	30	-	M10	3

# PROTECTED HEAD BOBBIN

## Type AMS



Item	D	H	G	V x l	d	CH	Type
AMS2520GVV13	25	20	18	M6X13	-	-	1
AMS4030GVVP16	40	30	15	M8X16	-	-	1
AMS4030GVVP23	40	30	15	M8X23	-	-	1
AMS4030GVVG16	40	30	27	M8X16	-	-	1
AMS4030GVVG23	40	30	27	M8X23	-	-	1
AMS2820GVV13	28	20	18	M6X13	-	25	4
AMS2520GVD13	25	20	18	M6X13	M6	-	2
AMS4030GVDP23	40	30	15	M8X23	M8	-	2
AMS4030GVDP23	40	30	27	M8X23	M8	-	2
AMS2520GDD06	25	20	18	-	M6	-	3
AMS4030GDDP08	40	30	15	-	M8	-	3
AMS4030GDDG08	40	30	27	-	M8	-	3





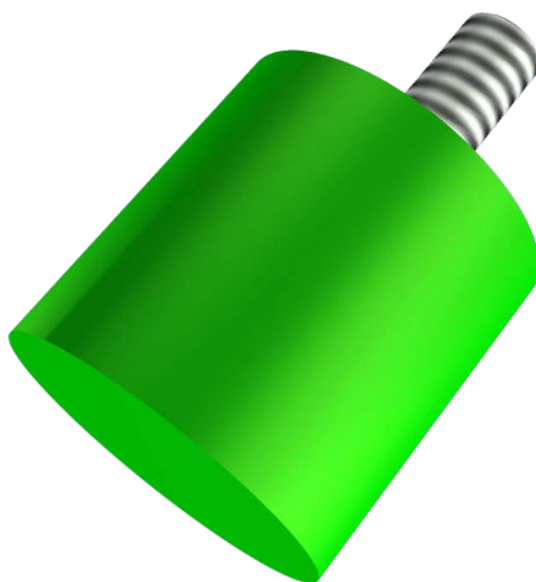
## MALE CYLINDRICAL BUFFERS

## Type VE

An extensive range of mounts used for a wide number of applications.

The mounts are designed to prevent shocks and overloading,  
thanks to their progressive absorption.

They come in various sizes, from 8 to 150mm, with loads applied from  
2daN (approx. 2kg) to over 1,000 daN (approx. 1,020kg).



### STANDARD PRODUCTION

#### **Cold formed screws and nuts**

Nuts: Class 4    Screws: Class 4.8

#### **Welded screws and nuts**

Washer: DD12 steel UNI 10111

Nuts: Class 4    Screws: Class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

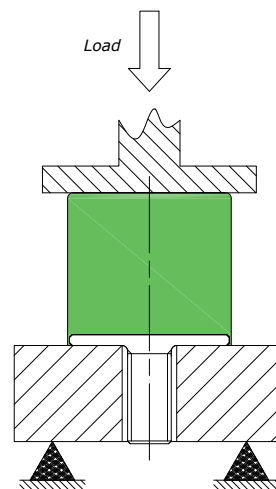
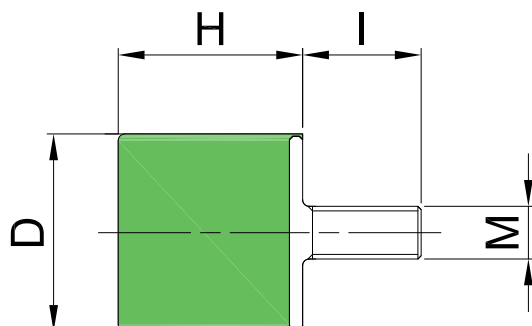
Stiffness tolerance +/- 20%

### APPLICATIONS

- Engines    • Tooling machinery    • Pump
- Special equipment    • HVAC    • Gensets

# MALE CYLINDRICAL BUFFERS

## Type VE

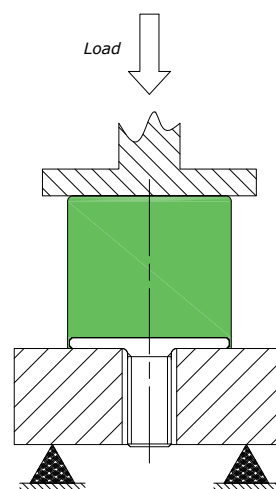
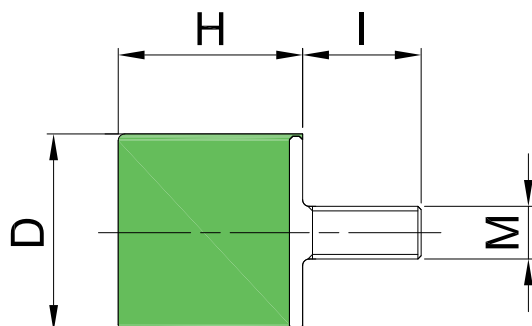


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>0808VE06</b>	8	8	M3X06	2,9	5,0	7,1	1,6
<b>1008VE10</b>	10	8	M4X10	3,6	6,7	9,3	1,6
<b>1413VE10</b>	14	13	M4X10	3,4	6,6	9,1	2,6
<b>1508VE10</b>	15	8	M4X10	11,8	21,7	30,0	1,6
<b>1610VE10</b>	16	10	M4X12	8,2	15,4	21,3	2,0
<b>1610VE12</b>	16	10	M5X12	8,2	15,4	21,3	2,0
<b>1615VE10</b>	16	15	M4X10	4,2	7,6	10,7	3,0
<b>1620VE10</b>	16	20	M4X10	2,4	4,5	6,3	4,0
<b>1885VE18</b>	18	9	M6X18	15,1	28,2	39,2	1,7
<b>2008VE18</b>	20	8	M6X18	17,7	32,4	44,8	1,6
<b>2012VE18</b>	20	12	M6X18	10,2	18,9	26,0	2,4
<b>2015VE18</b>	20	15	M6X18	6,9	13,1	18,0	3,0
<b>2020VE18</b>	20	20	M6X18	4,0	7,4	10,2	4,0
<b>2025VE18</b>	20	25	M6X18	2,8	5,2	7,2	5,0
<b>2030VE18</b>	20	30	M6X18	1,8	3,3	4,6	6,0
<b>2508VE18</b>	25	8	M6X18	31,0	59,5	83,3	1,6
<b>2508VE20</b>	25	8	M8X20	31,0	59,5	83,3	1,6

# MALE CYLINDRICAL BUFFERS

## Type VE

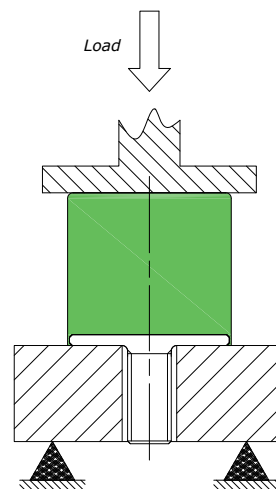
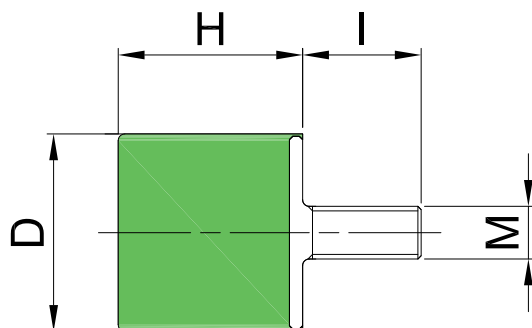


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
2510VE20	25	10	M8X20	24,8	47,6	66,7	2,0
2515VE18	25	15	M6X18	13,8	26,4	37,0	3,0
2517VE18	25	17	M6X18	12,5	22,9	31,6	3,4
2519VE20	25	19	M8X20	10,6	19,4	26,9	3,8
2520VE18	25	20	M6X18	9,6	17,7	24,0	4,0
2520VE20	25	20	M8X20	9,6	17,7	24,0	4,0
2522VE20	25	22	M8X20	7,4	13,8	18,4	4,4
2525VE18	25	25	M6X18	5,4	10,1	14,0	5,0
2530VE20	25	30	M8X20	4,0	7,4	9,8	6,0
3015VE20	30	15	M8X20	17,9	33,5	46,9	3,0
3017VE20	30	17	M8X20	14,7	27,1	37,4	3,4
3020VE20	30	20	M8X20	11,5	21,6	29,5	4,0
3022VE20	30	22	M8X20	8,4	15,5	21,3	4,4
3025VE20	30	25	M8X20	6,7	11,1	15,3	5,0
3030VE20	30	30	M8X20	4,7	8,6	11,8	6,0
3040VE20	40	40	M8X20	3,6	6,5	9,0	8,0
4020VE23	40	20	M8X23	23,6	44,4	63,5	4,0

# MALE CYLINDRICAL BUFFERS

## Type VE

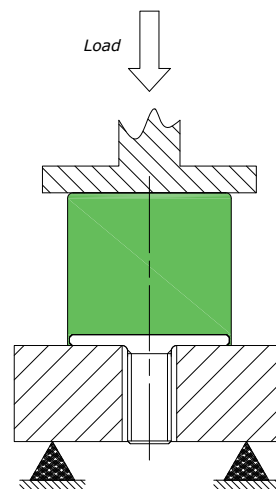
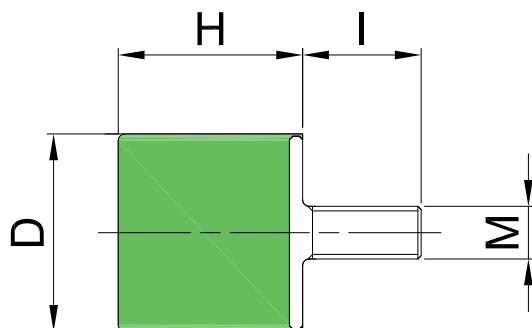


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
4020VE25	40	20	M10X25	23,6	44,4	63,5	4,0
4025VE25	40	25	M10X25	16,6	31,1	42,9	5,0
4027VE23	40	27	M8X23	14,0	26,0	35,6	5,4
4028VE25	40	28	M10X25	14,0	26,0	35,6	5,6
4030VE23	40	30	M8X23	11,8	22,2	30,8	6,0
4030VE25	40	30	M10X25	11,8	22,2	30,8	6,0
4035VE23	40	35	M8X23	9,0	16,7	23,2	7,0
4035VE25	40	35	M10X25	9,0	16,7	23,2	7,0
4040VE23	40	40	M8X23	7,4	13,9	19,0	8,0
4040VE25	40	40	M10X25	7,4	13,9	19,0	8,0
4045VE25	40	45	M10X25	6,3	11,9	16,4	9,0
5015VE25	50	15	M10X25	57,5	107,2	147,6	3,0
5020VE28	50	20	M10X28	52,3	97,3	134,3	4,0
5021VE25	50	21	M10X25	50,0	93,2	128,4	4,2
5025VE25	50	25	M10X25	36,6	68,0	93,9	5,0
5030VE25	50	30	M10X25	25,1	46,2	64,1	6,0
5035VE25	50	35	M10X25	18,9	33,8	46,5	7,0

# MALE CYLINDRICAL BUFFERS

## Type VE

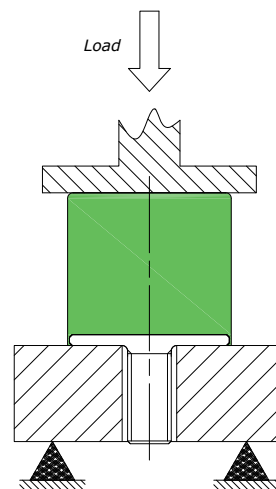
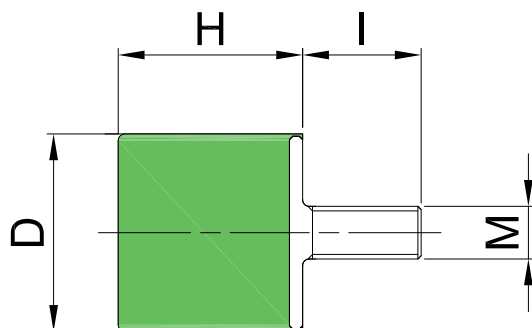


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>5040VE25</b>	50	40	M10X25	13,0	24,0	33,2	8,0
<b>5045VE25</b>	50	45	M10X25	10,2	18,9	26,3	9,0
<b>5050VE25</b>	50	50	M10X25	8,3	15,5	21,4	10,0
<b>5822VE25</b>	58	22	M10X25	70,6	131,6	159,3	4,4
<b>6025VE25</b>	60	25	M10X25	59,8	97,4	153,7	5,0
<b>6030VE37</b>	60	30	M12X37	42,3	77,6	107,0	6,0
<b>6036VE25</b>	60	36	M10X25	33,7	62,7	86,2	7,2
<b>6036VE37</b>	60	36	M12X37	33,7	62,7	86,2	7,2
<b>6040VE25</b>	60	40	M10X25	27,5	51,1	69,6	8,0
<b>6040VE37</b>	60	40	M12X37	27,5	51,1	69,6	8,0
<b>6045VE25</b>	60	45	M10X25	22,0	40,8	56,4	9,0
<b>6045VE37</b>	60	45	M12X37	22,0	40,8	56,4	9,0
<b>6050VE37</b>	60	50	M12X37	17,5	32,4	44,8	10,0
<b>6055VE37</b>	60	55	M12X37	15,0	27,9	38,3	11,0
<b>6535VE25</b>	65	35	M10X25	39,7	73,9	102,4	7,0
<b>6545VE37</b>	65	45	M12X37	23,5	43,6	60,4	9,0
<b>6550VE37</b>	65	50	M12X37	17,7	32,5	45,1	10,0

# MALE CYLINDRICAL BUFFERS

## Type VE

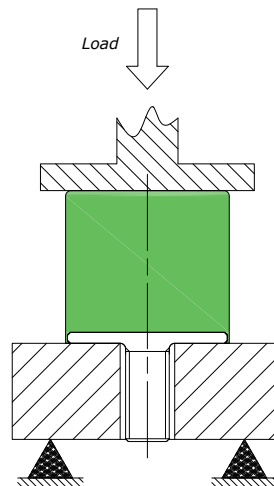
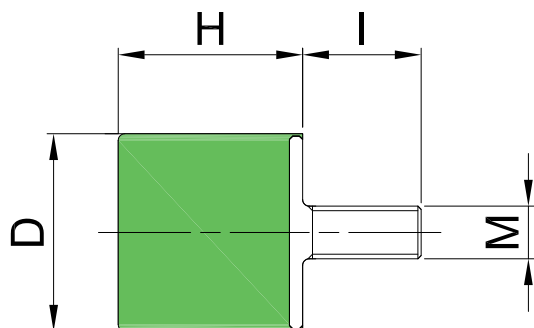


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>7030VE25</b>	70	30	M10X25	65,5	122,0	167,6	6,0
<b>7030VE37</b>	70	30	M12X37	65,5	122,0	167,6	6,0
<b>7035VE25</b>	70	35	M10X25	47,7	95,1	130,9	7,0
<b>7035VE37</b>	70	35	M12X37	47,7	95,1	130,9	7,0
<b>7040VE25</b>	70	40	M10X25	37,7	70,2	97,0	8,0
<b>7040VE37</b>	70	40	M12X37	37,7	70,2	97,0	8,0
<b>7045VE25</b>	70	45	M10X25	29,6	55,0	73,9	9,0
<b>7045VE37</b>	70	45	M12X37	29,6	55,0	73,9	9,0
<b>7050VE25</b>	70	50	M10X25	23,6	44,3	61,3	10,0
<b>7050VE37</b>	70	50	M12X37	23,6	44,3	61,3	10
<b>7060VE25</b>	70	60	M10X25	19,5	35,7	49,3	12
<b>7060VE37</b>	70	60	M12X37	19,5	35,7	49,3	12
<b>7070VE25</b>	70	70	M10X25	15,8	29,0	40,1	14
<b>7070VE37</b>	70	70	M12X37	15,8	29,0	40,1	14
<b>7525VE37</b>	75	25	M12X37	107,6	204,0	280,8	5
<b>7530VE37</b>	75	30	M12X37	89,3	166,2	229,5	6
<b>7540VE37</b>	75	40	M12X37	40,6	91,4	124,8	8

# MALE CYLINDRICAL BUFFERS

## Type VE



(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x I	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>7550VE37</b>	75	50	M12X37	30,2	56,2	77,6	10
<b>7555VE37</b>	75	55	M12X37	23,6	44,3	61,1	11
<b>8030VE35</b>	80	30	M14X35	104,4	197,1	271,0	6
<b>8040VE35</b>	80	40	M14X35	55,4	103,4	143,1	8
<b>8050VE35</b>	80	50	M14X35	38,2	69,1	95,3	10
<b>8060VE35</b>	80	60	M14X35	24,6	46,2	63,4	12
<b>8070VE35</b>	80	70	M14X35	19,0	35,4	48,5	14
<b>8080VE35</b>	80	80	M14X35	15,1	27,9	38,3	16
<b>10030VE44</b>	100	30	M16X44	158,7	397,1	535,7	6
<b>10040VE44</b>	100	40	M16X44	106,7	198,0	270,8	8
<b>10050VE44</b>	100	50	M16X44	64,4	119,8	165,6	10
<b>10055VE44</b>	100	55	M16X44	53,9	101,9	138,5	11
<b>10060VE44</b>	100	60	M16X44	44,0	81,4	112,3	12
<b>100100VE44</b>	100	100	M16X44	16,8	31,2	43,0	20



An extensive range of mounts used for a wide number of applications.

The mounts are designed to prevent shocks and overloading,  
thanks to their progressive absorption.

They come in various sizes, from 8 to 150mm, with loads applied from  
2daN (approx. 2kg) to over 1,000 daN (approx. 1,020kg).



## STANDARD PRODUCTION

**Cold formed screws and nuts**  
**Welded screws and nuts**

Nuts: Class 4   Screws: Class 4.8  
Washer: DD12 steel UNI 10111  
Nuts: Class 4   Screws: Class 4.8

Natural rubber NR

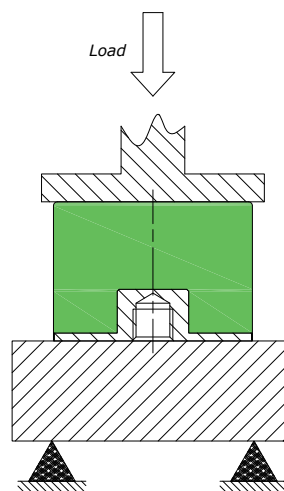
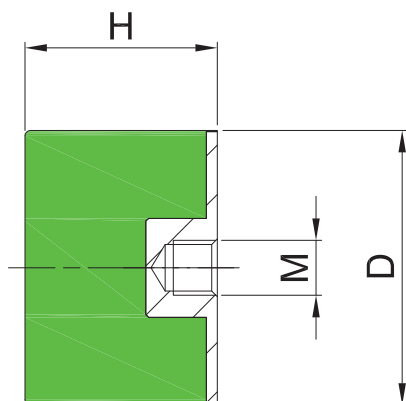
Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

## APPLICATIONS

- Engines • Tooling machinery • Pump
- Special equipment • HVAC • Gensets



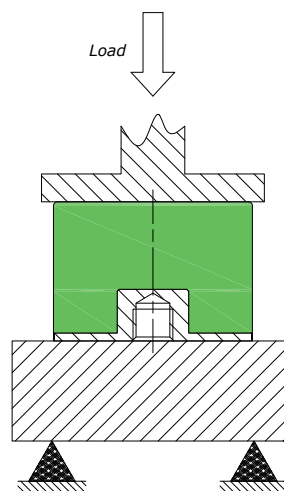
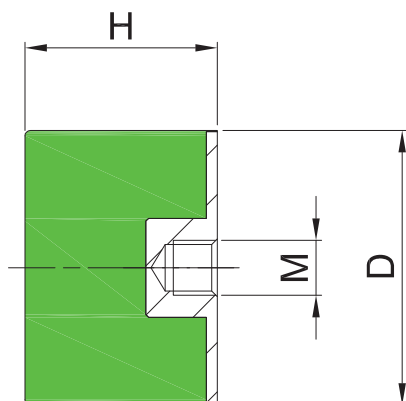
**FEMALE CYLINDRICAL BUFFERS**
**Type DE**


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>1610DE04</b>	16	10	M4	8,1	13,3	17,9	2,0
<b>1610DE05</b>	16	10	M5	8,1	13,3	17,9	2,0
<b>1615DE04</b>	16	15	M4	4,3	7,7	10,8	3,0
<b>1615DE05</b>	16	15	M5	4,3	7,7	10,8	3,0
<b>1620DE04</b>	16	20	M4	2,4	4,4	6,1	4,0
<b>1620DE05</b>	16	20	M5	2,4	4,4	6,1	4,0
<b>2015DE06</b>	20	15	M6	7,0	13,3	18,4	3,0
<b>2020DE06</b>	20	20	M6	4,0	7,5	10,4	4,0
<b>2025DE06</b>	20	25	M6	2,9	5,5	7,7	5,0
<b>2030DE06</b>	20	30	M6	2,0	3,7	5,2	6,0
<b>2515DE06</b>	25	15	M6	14,0	26,9	37,7	3,0
<b>2517DE06</b>	25	17	M6	12,1	22,6	31,4	3,4
<b>2520DE06</b>	25	20	M6	9,8	18,1	24,5	4,0
<b>2520DE08</b>	25	20	M8	9,8	18,1	24,5	4,0
<b>2522DE08</b>	25	22	M8	7,9	14,5	20,0	4,4
<b>2525DE06</b>	25	25	M6	5,5	10,3	14,3	5,0
<b>2525DE08</b>	25	25	M8	5,5	10,3	14,3	5,0
<b>2530DE08</b>	25	30	M8	4,0	7,6	10,0	6,0

# FEMALE CYLINDRICAL BUFFERS

## Type DE

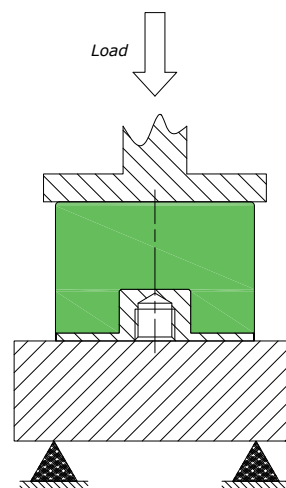
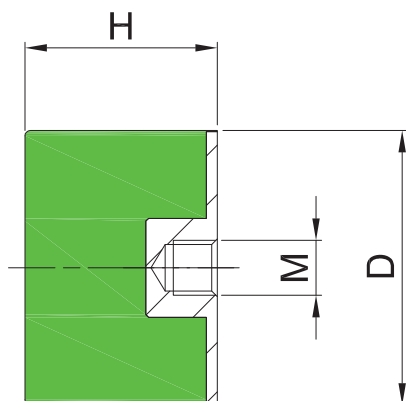


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
3015DE08	30	15	M8	18,3	34,2	47,7	3,0
3017DE08	30	17	M8	14,9	29,0	39,2	3,4
3020DE08	30	20	M8	11,7	19,8	30,2	4,0
3022DE08	30	22	M8	9,8	18,0	24,8	4,4
3025DE08	30	25	M8	6,8	12,8	16,0	5,0
3030DE08	30	30	M8	5,4	10,0	13,8	6,0
3040DE08	30	40	M8	4,0	7,3	10,1	8,0
4020DE08	40	20	M8	24,1	45,3	62,3	4,0
4020DE10	40	20	M10	24,1	45,3	62,3	4,0
4025DE10	40	25	M10	16,9	31,7	43,7	5,0
4027DE08	40	27	M8	14,2	26,3	36,1	5,4
4028DE10	40	28	M10	13,8	25,6	35,0	5,6
4030DE08	40	30	M8	12,1	22,6	31,5	6,0
4030DE10	40	30	M10	12,1	22,6	31,5	6,0
4035DE08	40	35	M8	9,1	17,0	23,7	7,0
4035DE10	40	35	M10	9,1	17,0	23,7	7,0
4040DE08	40	40	M8	6,8	14,1	19,3	8,0
4040DE10	40	40	M10	6,8	14,1	19,3	8,0

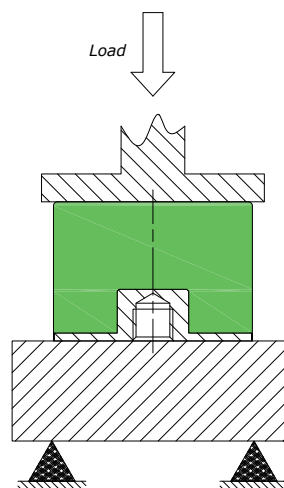
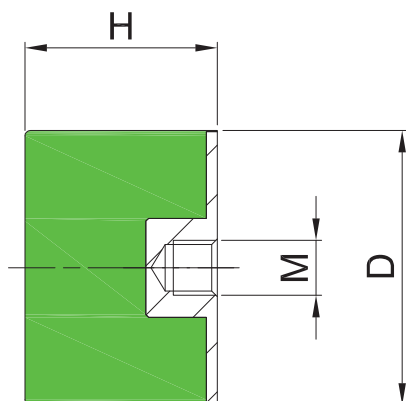
# FEMALE CYLINDRICAL BUFFERS

## Type DE



(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
4045DE10	40	45	M10	6,4	12,2	16,8	9,0
5021DE10	50	21	M10	53,6	100,0	137,7	4,2
5025DE10	50	25	M10	37,4	69,3	95,8	5,0
5030DE10	50	30	M10	25,6	47,1	65,4	6,0
5035DE10	50	35	M10	18,5	34,5	47,5	7,0
5040DE10	50	40	M10	13,2	24,5	33,9	8,0
5045DE10	50	45	M10	10,4	19,3	26,8	z
5050DE10	50	50	M10	8,5	15,8	21,9	10,0
5822DE10	58	22	M10	85,3	156,7	216,5	4,4
6025DE10	60	25	M10	64,0	104,1	164,4	5,0
6036DE10	60	36	M10	34,4	64,0	88,0	7,2
6036DE12	60	36	M12	34,4	64,0	88,0	7,2
6040DE10	60	40	M10	28,1	52,2	70,9	8,0
6040DE12	60	40	M12	28,1	52,2	70,9	8,0
6045DE10	60	45	M10	22,4	41,6	57,6	9,0
6045DE12	60	45	M12	22,4	41,6	57,6	9,0
6050DE12	60	50	M12	17,9	33,1	45,7	10,0
6055DE12	60	55	M12	14,7	27,1	37,3	11,0

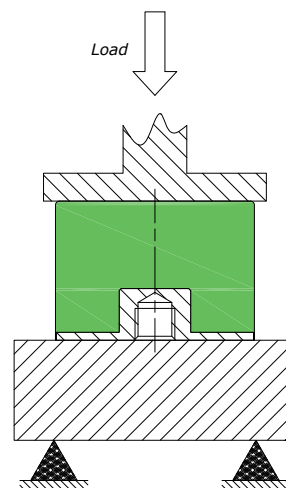
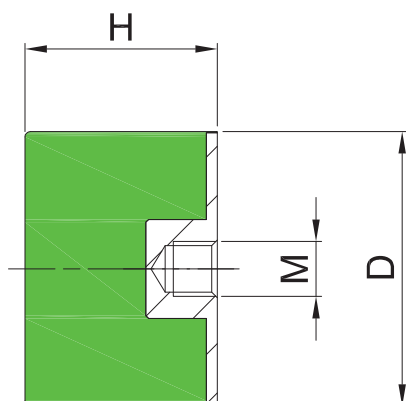
**FEMALE CYLINDRICAL BUFFERS**
**Type DE**


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>6535DE10</b>	65	35	M10	40,5	75,4	104,5	7,0
<b>6545DE12</b>	65	45	M12	23,5	43,6	60,4	9,0
<b>6550DE12</b>	65	50	M12	18,1	33,2	46,0	10,0
<b>7030DE10</b>	70	30	M10	66,8	124,4	169,8	6,0
<b>7030DE12</b>	70	30	M12	66,8	124,4	169,8	6,0
<b>7035DE10</b>	70	35	M10	48,7	96,9	133,7	7,0
<b>7035DE12</b>	70	35	M12	48,7	96,9	133,7	7,0
<b>7040DE10</b>	70	40	M10	38,5	71,6	99,0	8,0
<b>7040DE12</b>	70	40	M12	38,5	71,6	99,0	8,0
<b>7045DE10</b>	70	45	M10	30,2	56,1	75,3	9,0
<b>7045DE12</b>	70	45	M12	30,2	56,1	75,3	9,0
<b>7050DE10</b>	70	50	M10	24,1	45,3	62,6	10,0
<b>7050DE12</b>	70	50	M12	24,1	45,3	62,6	10,0
<b>7060DE10</b>	70	60	M10	19,9	36,4	50,3	12,0
<b>7060DE12</b>	70	60	M12	19,9	36,4	50,3	12,0
<b>7070DE10</b>	70	70	M10	16,1	29,7	40,9	14,0
<b>7070DE12</b>	70	70	M12	16,1	29,7	40,9	14,0
<b>7525DE12</b>	75	25	M12	109,7	208,0	286,5	5,0

# FEMALE CYLINDRICAL BUFFERS

## Type DE



(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>7540DE12</b>	75	40	M12	41,5	93,3	114,3	8,0
<b>7550DE12</b>	75	50	M12	30,8	57,3	79,2	10,0
<b>7555DE12</b>	75	55	M14	24,1	45,2	62,3	11,0
<b>8030DE14</b>	80	30	M14	106,7	201,1	276,6	6,0
<b>8040DE14</b>	80	40	M14	56,6	105,6	146,2	8,0
<b>8050DE14</b>	80	50	M14	37,4	70,5	97,3	10,0
<b>8060DE14</b>	80	60	M14	25,1	47,2	64,8	12,0
<b>8070DE14</b>	80	70	M14	19,4	36,1	49,6	14,0
<b>8080DE14</b>	80	80	M14	15,8	29,2	40,1	16
<b>10030DE16</b>	100	30	M16	161,9	405,3	546,7	6
<b>10040DE16</b>	100	40	M16	108,9	202,1	276,3	8
<b>10050DE16</b>	100	50	M16	68,2	127,0	175,4	10
<b>10055DE16</b>	100	55	M16	57,2	108,0	146,8	11
<b>10060DE16</b>	100	60	M16	46,7	86,3	119,1	12
<b>100100DE16</b>	100	100	M16	15,9	29,4	40,5	20



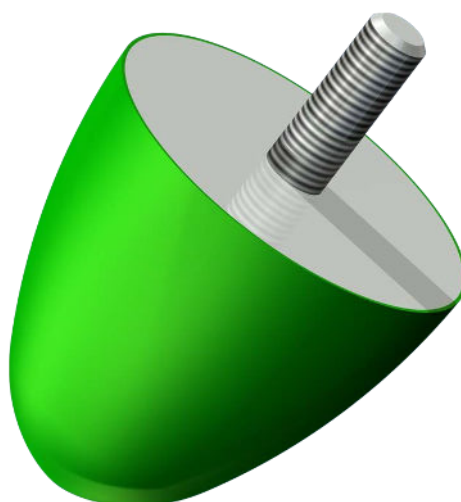
## MALE CONICAL BUFFERS

## Type VP

An extensive range of mounts used for a wide number of applications.

The mounts are designed to prevent shocks and overloading,  
thanks to their progressive absorption.

They come in various sizes, from 8 to 150mm, with loads applied from  
a few Newtons to over 1,000 daN (approx. 1,020kg).



### STANDARD PRODUCTION

**Cold formed screws and nuts**

Nuts: Class 4    Screws: Class 4.8

**Welded screws and nuts**

Washer: DD12 steel UNI 10111

Nuts: Class 4    Screws: Class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

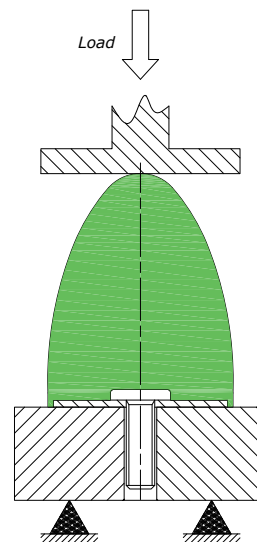
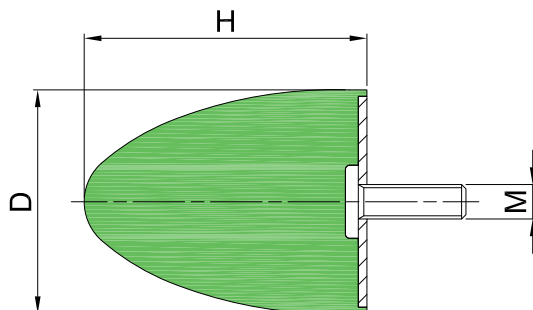
Stiffness tolerance +/- 20%

### APPLICATIONS

- Engines    • Tooling machinery    • Pump
- Special equipment    • HVAC    • Gensets

# MALE CONICAL BUFFERS

## Type VP

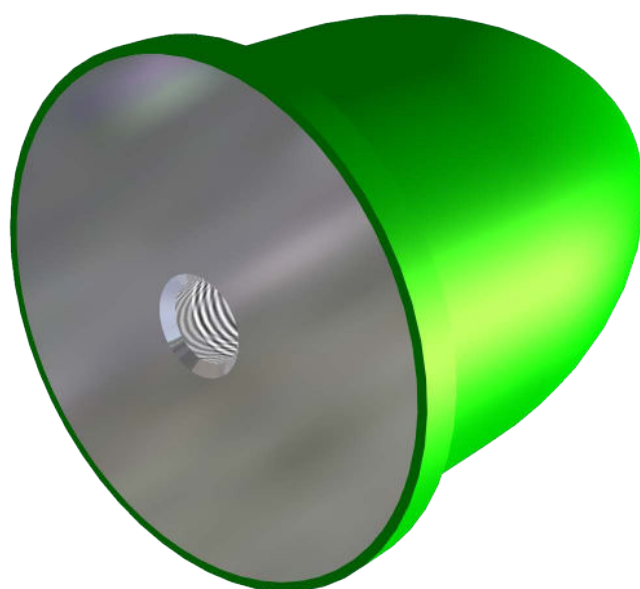


(N.B. 1 daN = 1.0197 kgf)

Item	D	H	M x l	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>2425VP18</b>	24	25	M6X18	5,6	8,2	11,4	5,0
<b>2435VP18</b>	24	35	M6X18	3,5	5,1	7,1	7,0
<b>3030VP14</b>	30	30	M6X14	4,9	7,2	9,9	6,0
<b>3036VP14</b>	30	36	M6X14	5,5	8,0	10,8	7,2
<b>4530VP23</b>	45	30	M8X23	12,8	18,6	25,6	6,0
<b>5050VP23</b>	50	50	M8X23	5,7	7,1	10,1	10,0
<b>5050VP25</b>	50	50	M10X25	5,7	7,1	10,1	10,0
<b>5067VP33</b>	50	67	M8X33	4,9	7,1	9,8	13,4
<b>6060VP37</b>	60	60	M12X37	13,0	19,1	26,3	12,0
<b>10083VP44</b>	100	83	M16X44	29,4	43,0	59,3	16,6
<b>10095VP31</b>	100	95	M12X31	9,4	18,8	28,3	19,0
<b>10095VP44</b>	100	95	M16X44	9,4	18,8	28,3	19,0
<b>100120VP31</b>	100	120	M12X31	7,0	14,0	21,0	24,0
<b>100120VP44</b>	100	120	M16X44	7,0	14,0	21,0	24,0



An extensive range of mounts used for a wide number of applications.  
The mounts are designed to prevent shocks and overloading,  
thanks to their progressive absorption.  
They come in various sizes, from 8 to 150mm, with loads applied from  
a few Newtons to over 1,000 daN (approx. 1,020kg).



## STANDARD PRODUCTION

### **Cold formed screws and nuts**

Nuts: Class 4    Screws: Class 4.8

### **Welded screws and nuts**

Washer: DD12 steel UNI 10111

Nuts: Class 4    Screws: Class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

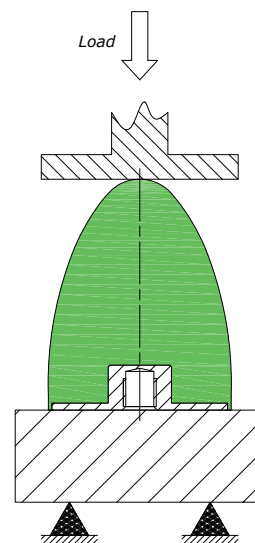
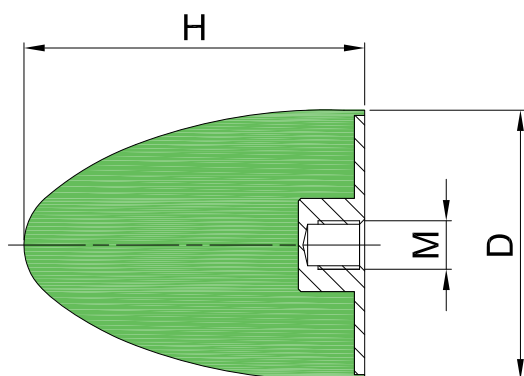
## APPLICATIONS

- Engines    • Tooling machinery    • Pump
- Special equipment    • HVAC    • Gensets



# FEMALE CONICAL BUFFERS

## Type DP



(N.B. 1 daN = 1.0197 kgf)

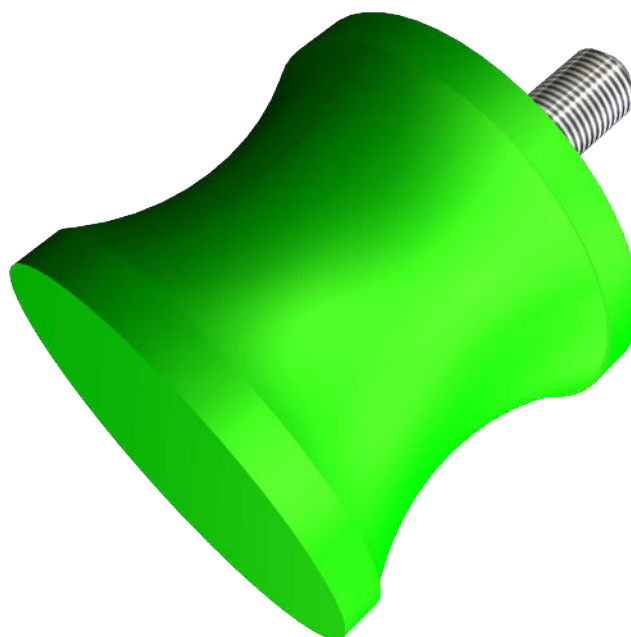
Item	D	H	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>2425DP06</b>	24	25	M6	5,8	8,5	11,5	5,0
<b>2435DP06</b>	24	35	M6	3,7	5,3	7,2	7,0
<b>3030DP06</b>	30	30	M6	5,1	7,3	10,0	6,0
<b>3036DP06</b>	30	36	M6	5,6	8,1	10,9	7,2
<b>4530DP08</b>	45	30	M8	12,8	18,6	25,6	6,0
<b>5050DP08</b>	50	50	M8	5,8	7,1	9,9	10,0
<b>5050DP10</b>	50	50	M10	5,8	7,1	9,9	10,0
<b>5067DP08</b>	50	67	M8	5,0	7,3	10,0	13,4
<b>6060DP12</b>	60	60	M12	13,3	19,5	27,0	12,0
<b>10083DP16</b>	100	83	M16	30,1	44,1	60,7	16,6



An extensive range of mounts used for a wide number of applications.

The mounts are designed to prevent shocks and overloading,  
thanks to their progressive absorption.

They come in various sizes, from 8 to 150mm, with loads applied from  
a few Newtons to over 1,000 daN (approx. 1,020kg).



#### STANDARD PRODUCTION

##### **Cold formed screws and nuts**

Nuts: Class 4 Screws: Class 4.8

##### **Welded screws and nuts**

Washer: DD12 steel UNI 10111

Nuts: Class 4 Screws: Class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

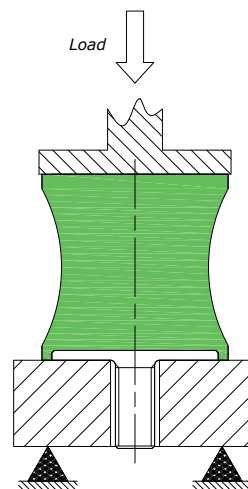
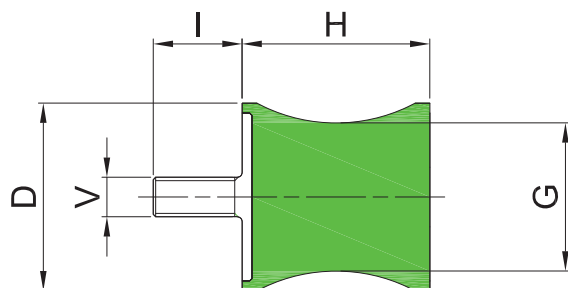
Stiffness tolerance +/- 20%

#### APPLICATIONS

- Engines • Tooling machinery • Pump
- Special equipment • HVAC • Gensets

# MALE WAISTED BUFFERS

## Type GVE



(N.B. 1 daN = 1.0197 kgf)

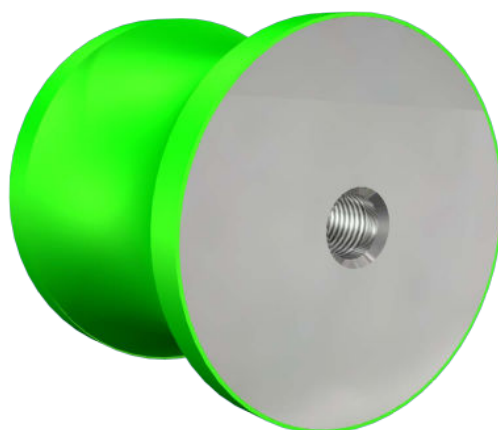
Item	D	H	G	M x l	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>2520GVEP18</b>	25	20	10	M6X18	2,8	4,1	5,6	4,0
<b>2520GVEG18</b>	25	20	17	M6X18	4,7	7,2	9,9	4,0
<b>3020GVE20</b>	30	20	24	M8X20	6,5	9,8	13,6	4,0
<b>4030GVEG23</b>	40	30	27	M8X23	6,8	10,2	14,0	6,0
<b>6060GVE25</b>	60	60	50	M10X25	13,5	20,1	27,7	12,0



An extensive range of mounts used for a wide number of applications.

The mounts are designed to prevent shocks and overloading,  
thanks to their progressive absorption.

They come in various sizes, from 8 to 150mm, with loads applied from  
a few Newtons to over 1,000 daN (approx. 1,020kg).



### STANDARD PRODUCTION

**Cold formed screws and nuts**

Nuts: Class 4    Screws: Class 4.8

**Welded screws and nuts**

Washer: DD12 steel UNI 10111

Nuts: Class 4    Screws: Class 4.8

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

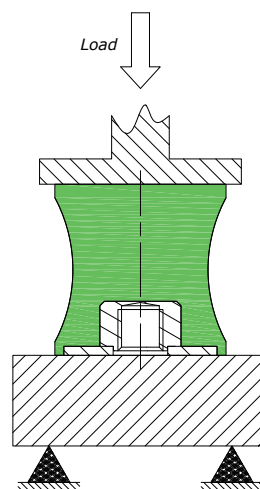
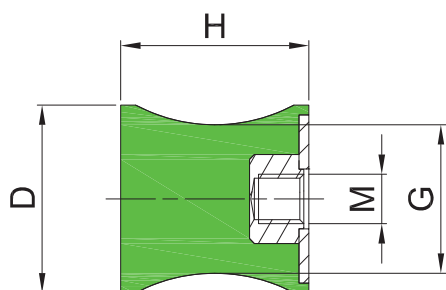
Stiffness tolerance +/- 20%

### APPLICATIONS

- Engines    • Tooling machinery    • Pump
- Special equipment    • HVAC    • Gensets

## FEMALE WAISTED BUFFERS

## Type GDE



(N.B. 1 daN = 1.0197 kgf)

Item	D	H	G	M	Stiffness 45 IRHD (daN/mm)	Stiffness 60 IRHD (daN/mm)	Stiffness 70 IRHD (daN/mm)	Max static deflection (mm)
<b>2520GDEG06</b>	25	20	17	M6	4,7	7,2	10,0	4,0
<b>3020GDE08</b>	30	20	24	M8	6,6	9,8	13,6	4,0
<b>4030GDEG08</b>	40	30	27	M8	6,8	10,2	14,0	6,0
<b>6060GDE10</b>	60	60	50	M10	13,6	20,1	27,7	12,0

**FULLY BONDED BUSHES****Type FBNA**

The FBNA range of bushes are designed to eliminate high frequencies whilst supporting high loads during operation.

This is achieved through elastic deformation of the rubber under the effect of the external forces being applied to the metal tubes.

The bushes are manufactured with the rubber bonded both to the inner and the outer tubes, and pre-loaded using a special process that assures a high resistance to the stresses involved during the operation.

**STANDARD PRODUCTION**

Fe 360 Steel (ISO 3305/3306)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

**APPLICATIONS**

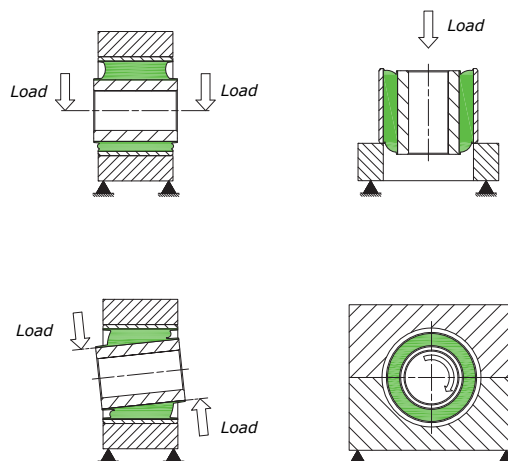
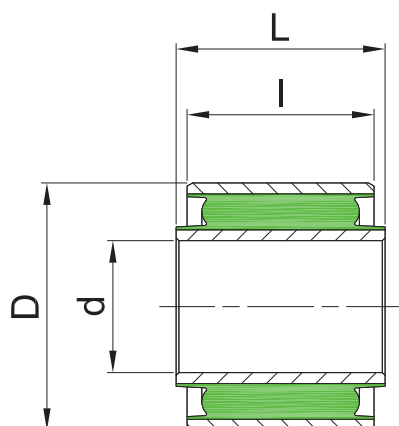
- Flexible Joints • Motor vehicles
- Earth moving machinery • General machinery & equipment

**OPTIONS & ADDITIONAL PARTS**

Alternative elastomeric hardness and compounds available

# FULLY BONDED BUSHES

# Type FBNA



## INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
from	16 mm	to 25mm	-0 / +0,30
from	26 mm	to 50mm	-0 / +0,40
over	51 mm	to be defined	

## OUTSIDE DIAMETER (D) TOLERANCES

from	16 mm	to 30 mm	-0 / +0,10
from	31 mm	to 70mm	-0 / +0,15
from	71 mm	to 100 mm	-0 / +0,20
over	101 mm	to be defined	

## Approximate schemes for forces and constraints

N.B. The Driving Seat must assure a minimum interference of 0.02mm, with a tolerance of -0.05mm

i.e. A Bush with an Outside Diameter of 30mm must be fitted into a hole with a dimension of 30mm -0.02/-0.05mm (i.e. 29.98 - 29.93mm)

Subject to agreement, we are able to supply products to closer tolerances where required.

**\* STANDARD HARDNESS 55 IRHD • STANDARD HARDNESS 65 IRHD**

(N.B. 1 daN = 1.0197 kgf)

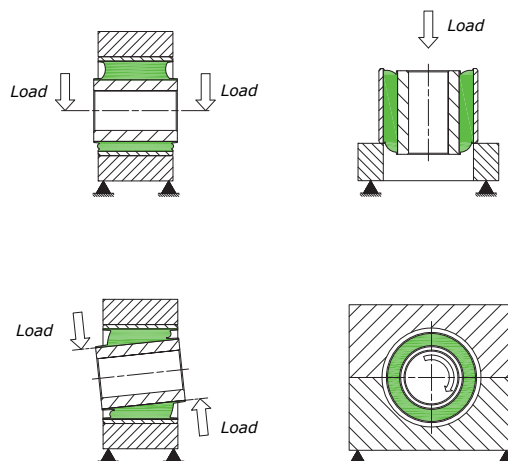
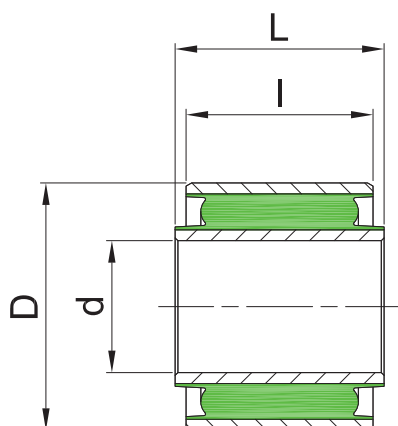
Item	d	D	l	L	RADIAL		AXIAL		TORSIONAL		CONICAL		Average Weight g.
					Average Stiffness (daN/mm)	Max Deflec. (mm)	Average Stiffness (daN/mm)	Max Deflec. (mm)	Average Stiffness (Nm/°)	Max Angle (+/-°gradi)	Average Stiffness (Nm/°)	Max Angle (+/-°gradi)	
* FBNA0832.1823	8,2	32	18	23	29	1,4	8	1,0	0,19	35°	0,08	6°	35
* FBNA0921.1922	9,5	20,6	19	22,2	207	0,5	23	0,7	0,27	25°	0,53	6°	25
* FBNA1022.1517	10	22	15	17	207	0,5	22	0,5	0,32	25°	0,31	6°	25
• FBNA1025.3541	10	25	35	41	1483	0,5	104	1,4	1,75	20°	13,76	3°	75
* FBNA1032.1520	10	32	15	20	32	1,1	9	1,0	0,24	30°	0,05	7°	35
• FBNA1032.2430	10	32	24	30	350	1,1	35	1,0	0,70	20°	3,50	3°	105
• FBNA1225.2528	12	25	25	28	764	0,5	67	0,7	1,22	20°	3,52	3°	45
• FBNA1230.3434	12	30	34	34	425	0,8	55	0,1	1,36	30°	3,98	7°	75
• FBNA1230.3444	12	30	34	44	425	0,8	55	2,1	1,36	30°	3,98	3°	80
• FBNA1230.3640	12	30	36	40	414	0,9	55	0,8	1,42	30°	4,40	3°	75
• FBNA1234.3541	12	34	35	41	249	1,1	43	1,4	1,32	20°	2,61	3°	100
* FBNA1250.5062M	12	50	50	62	102	2,3	24	2,7	1,45	30°	2,44	7°	235
• FBNA1274.4566	12,5	74,5	45	66	126	3,4	35	4,4	2,83	30°	1,52	7°	600

Items produced only on request. Supply quantities on request.

FIBET GROUP operates a policy of continuous improvement and development. We reserve the right to change design and specification of our products without prior notification or alteration of literature.

# FULLY BONDED BUSHES

## Type FBNA



### INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
from	16 mm	to 25mm	-0 / +0,30
from	26 mm	to 50mm	-0 / +0,40
over	51 mm	to be defined	

### OUTSIDE DIAMETER (D) TOLERANCES

from	16 mm	to 30 mm	-0 / +0,10
from	31 mm	to 70mm	-0 / +0,15
from	71 mm	to 100 mm	-0 / +0,20
over	101 mm	to be defined	

### Approximate schemes for forces and constraints

N.B. The Driving Seat must assure a minimum interference of 0.02mm, with a tolerance of -0.05mm

i.e. A Bush with an Outside Diameter of 30mm must be fitted into a hole with a dimension of 30mm -0.02/-0.05mm (i.e. 29.98 - 29.93mm)

Subject to agreement, we are able to supply products to closer tolerances where required.

**\* STANDARD HARDNESS 55 IRHD • STANDARD HARDNESS 65 IRHD**

(N.B. 1 daN = 1.0197 kgf)

Item	d	D	I	L	RADIAL		AXIAL		TORSIONAL		CONICAL		Average Weight g.
					Average Stiffness (daN/mm)	Max Deflec. (mm)	Average Stiffness (daN/mm)	Max Deflec. (mm)	Average Stiffness (Nm/°)	Max Angle (+/-°gradi)	Average Stiffness (+/-Nm/°)	Max Angle (°gradi)	
* FBNA1330.4040	13	30	40	40	396	0,8	44	0,0	1,13	30°	5,12	3°	85
• FBNA1474.4566	14,5	74,5	45	66	126	3,4	35	4,2	4,69	30°	2,51	7°	580
* FBNA1638.6472	16	38	64	72	2070	0,7	127	1,6	4,90	20°	67,06	1°	300
• FBNA1650.6082	16,0	50,0	60,0	82,0	390	1,9	68	4,5	4,43	20°	12,93	3°	400
* FBNA1651.3847	16	51	38	47,5	102	2,0	23	2,0	1,65	30°	1,35	7°	190
* FBNA1651.4454	16	51	44,3	53,8	128	2,0	27	2,1	1,94	30°	2,31	7°	220
• FBNA1738.3338	17	38	33	38	449	1,1	60	1,2	2,63	25°	3,98	3°	120
* FBNA1857.6072	18	57	60	72	159	2,4	34	2,4	3,01	30°	5,51	7°	350
• FBNA1857.7086M	18	57	70	86	393	2,3	73	3,3	6,72	30°	17,94	7°	450
* FBNA2866.5569	28	66	55	69	234	2,1	43	2,8	5,86	20°	6,43	3°	450
* FBNA3882.7090	38	82	70	90	720	2,1	89	2,8	20,40	15°	30,32	1°	1.270
* FBNA4082.7090	40	82	70	90	732	1,9	90	4,0	20,46	15°	30,80	1°	1.200

Items produced only on request. Supply quantities on request.

FIBET GROUP operates a policy of continuous improvement and development. We reserve the right to change design and specification of our products without prior notification or alteration of literature.



**SEMI BONDED BUSHES****Type FBNS**

The FBNS range of bushes are designed to eliminate high frequencies whilst supporting high loads during operation.

This is achieved through elastic deformation of the rubber under the effect of the external forces being applied to the metal tubes.

The bushes are manufactured with the rubber assembled to the outer tube and bonded to the inner tube.

**STANDARD PRODUCTION**

Fe 360 Steel (ISO 3305/3306)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

**APPLICATIONS**

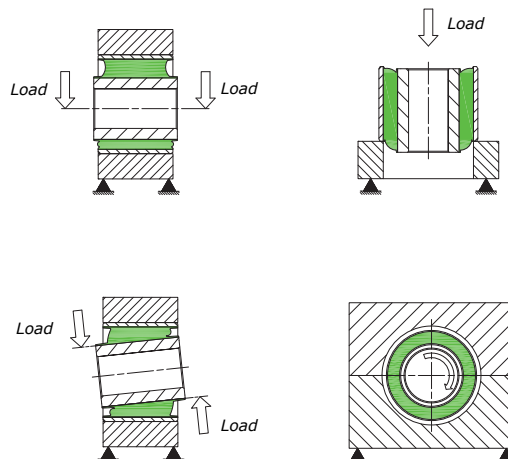
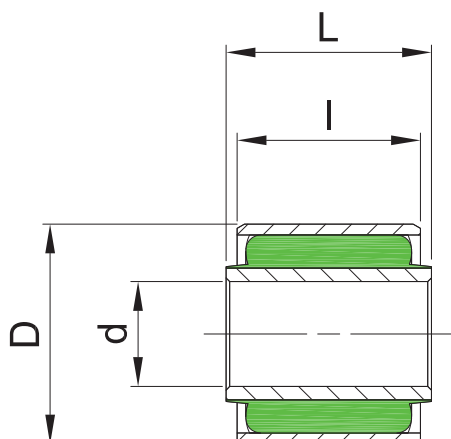
- Flexible Joints • Motor vehicles
- Earth moving machinery • General machinery & equipment

**OPTIONS & ADDITIONAL PARTS**

Alternative elastomeric hardness and compounds available

# SEMI BONDED BUSHES

# Type FBNS



## INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
from	16 mm	to 25mm	-0 / +0,30
from	26 mm	to 50mm	-0 / +0,40
over	51 mm	to be defined	

## OUTSIDE DIAMETER (D) TOLERANCES

from	16 mm	to 30 mm	-0 / +0,10
from	31 mm	to 70mm	-0 / +0,15
from	71 mm	to 100 mm	-0 / +0,20
over	101 mm	to be defined	

## Approximate schemes for forces and constraints

N.B. The Driving Seat must assure a minimum interference of 0.02mm, with a tolerance of -0.05mm

i.e. A Bush with an Outside Diameter of 30mm must be fitted into a hole with a dimension of 30mm -0.02/-0.05mm (i.e. 29.98 - 29.93mm)

Subject to agreement, we are able to supply products to closer tolerances where required.

## • STANDARD HARDNESS 65 IRHD

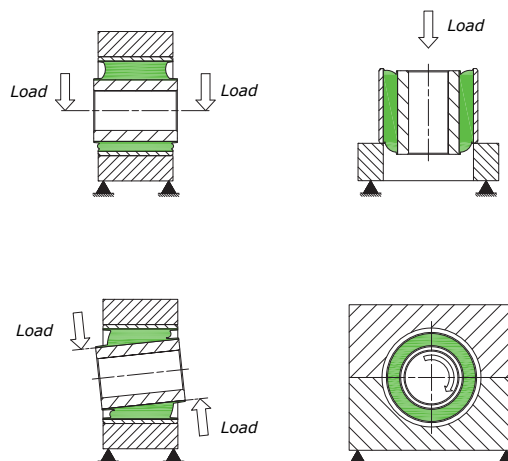
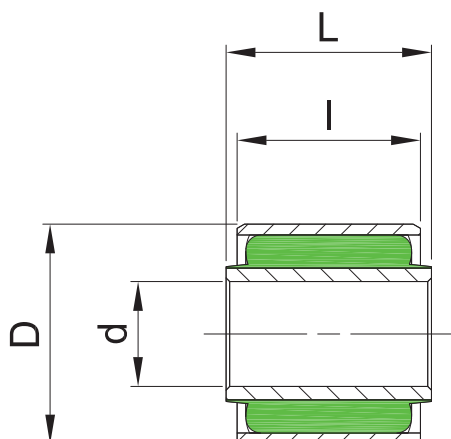
(N.B. 1 daN = 1.0197 kgf)

Item	d	D	l	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS0816.1415	8,2	16,0	14,0	15,0	683	0,2	49	0,2	0,36	15°	0,94	3°
FBNS0820.1421	8,2	20,0	14,0	21,0	111	0,2	20	0,2	0,24	30°	0,16	7°
FBNS0820.1517	8,2	20,0	15,0	17,0	126	0,5	22	0,2	0,26	30°	0,20	7°
FBNS0820.1519	8,2	20,0	15,0	19,0	126	0,5	22	0,8	0,26	30°	0,20	7°
FBNS0822.2023	8,2	22,0	20,0	23,0	167	0,6	27	0,6	0,35	30°	0,52	7°
FBNS0832.3440	8,2	32,0	34,0	40,0	317	0,9	48	1,2	1,31	30°	3,06	3°
FBNS1022.1517	10,0	22,0	15,0	17,0	343	0,4	37	0,4	0,54	20°	0,52	3°
FBNS1022.1519	10,0	22,0	15,0	19,0	343	0,4	37	0,8	0,54	20°	0,52	3°
FBNS1022.2023	10,0	22,0	20,0	23,0	612	0,4	54	0,6	0,75	20°	1,73	1°
FBNS1022.2530	10,0	22,0	25,0	30,0	958	0,4	73	1,0	0,95	20°	4,35	3°
FBNS1022.3033	10,0	22,0	30,0	33,0	1380	0,4	93	0,6	1,16	15°	9,19	2°
FBNS1024.1822	10,0	24,0	18,0	22,0	239	0,5	33	0,8	0,56	25°	0,56	5°

Items produced only on request. Supply quantities on request.

# SEMI BONDED BUSHES

# Type FBNS



## INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
from	16 mm	to 25mm	-0 / +0,30
from	26 mm	to 50mm	-0 / +0,40
over	51 mm	to be defined	

## OUTSIDE DIAMETER (D) TOLERANCES

from	16 mm	to 30 mm	-0 / +0,10
from	31 mm	to 70mm	-0 / +0,15
from	71 mm	to 100 mm	-0 / +0,20
over	101 mm	to be defined	

## Approximate schemes for forces and constraints

N.B. The Driving Seat must assure a minimum interference of 0.02mm, with a tolerance of -0.05mm

i.e. A Bush with an Outside Diameter of 30mm must be fitted into a hole with a dimension of 30mm -0.02/-0.05mm (i.e. 29.98 - 29.93mm)

Subject to agreement, we are able to supply products to closer tolerances where required.

## • STANDARD HARDNESS 65 IRHD

(N.B. 1 daN = 1.0197 kgf)

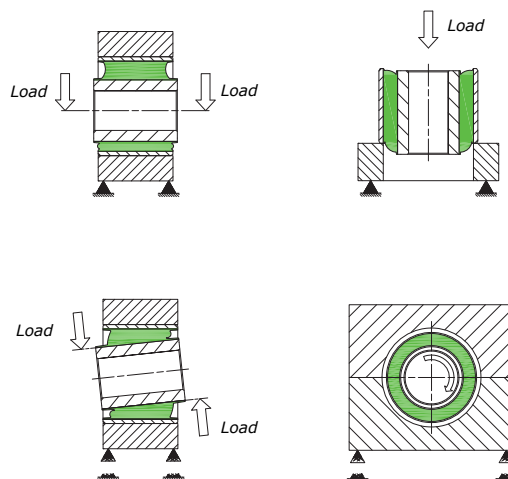
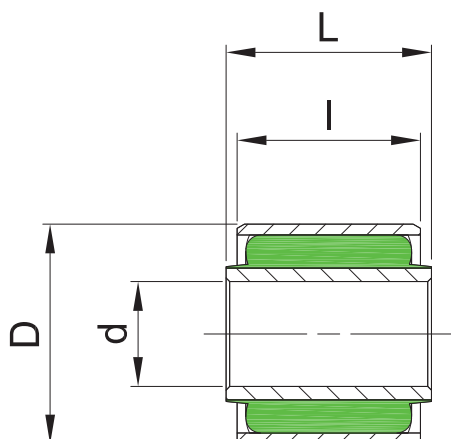
Item	d	D	l	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS1024.1824	10,0	24,0	18,0	24,0	239	0,5	33	1,2	0,56	30°	0,56	3°
FBNS1027.1722	10,0	27,0	17,0	22,0	113	0,8	22	1,0	0,47	30°	0,25	3°
FBNS1028.2027	10,0	28,0	20,0	27,0	128	0,8	25	1,4	0,56	20°	0,41	5°
FBNS1030.4549	10,0	30,0	45,0	49,0	1114	0,7	98	0,8	2,52	30°	17,96	3°
FBNS1125.5154	11,4	25,4	51,0	54,0	1698	0,6	122	0,6	2,00	20°	34,80	1°
FBNS1224.3538	12,0	24,0	35,0	38,0	2332	0,4	133	0,6	1,93	20°	21,30	1°
FBNS1225.2024	12,0	25,0	20,0	24,0	492	0,5	50	0,8	0,95	20°	1,41	3°
FBNS1225.3538	12,0	25,0	35,0	38,0	1483	0,5	104	0,6	1,75	20°	13,80	1°
FBNS1225.5054	12,0	25,0	50,0	54,0	3000	0,5	168	0,8	2,54	20°	57,84	1°
FBNS1226.1824	12,0	26,0	18,0	24,0	287	0,5	37	1,2	0,78	30°	0,67	7°
FBNS1226.2024	12,0	26,0	20,0	24,0	351	0,5	42	0,8	0,88	30°	1,03	7°
FBNS1226.2327	12,0	26,0	23,0	27,0	458	0,5	51	0,2	1,03	20°	1,81	4°

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# SEMI BONDED BUSHES

# Type FBNS



## INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
from	16 mm	to 25mm	-0 / +0,30
from	26 mm	to 50mm	-0 / +0,40
over	51 mm	to be defined	

## OUTSIDE DIAMETER (D) TOLERANCES

from	16 mm	to 30 mm	-0 / +0,10
from	31 mm	to 70mm	-0 / +0,15
from	71 mm	to 100 mm	-0 / +0,20
over	101 mm	to be defined	

## Approximate schemes for forces and constraints

N.B. The Driving Seat must assure a minimum interference of 0.02mm, with a tolerance of -0.05mm

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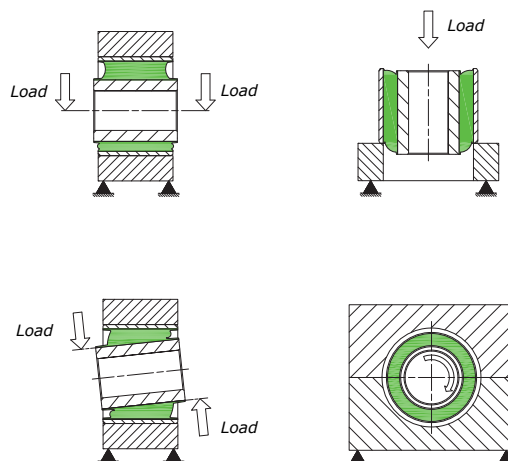
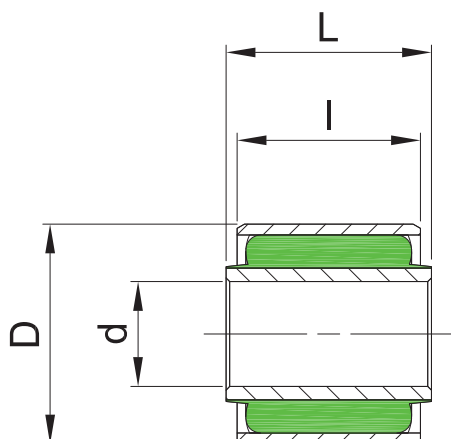
Item	d	D	I	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS1226.3234	12,0	26,0	32,0	34,0	865	0,5	76	0,4	1,47	30°	6,79	7°
FBNS1227.1824	12,0	26,5	18,0	24,0	287	0,5	37	1,2	0,78	30°	0,67	7°
FBNS1227.3842	12,0	27,0	38,0	42,0	888	0,6	81	0,8	1,67	30°	10,09	3°
FBNS1227.5056	12,0	27,0	50,0	56,0	1271	0,6	106	1,2	2,16	20°	25,38	1°
FBNS1227.6068	12,0	27,0	60,0	68,0	1799	0,6	133	1,6	2,61	15°	51,84	1°
FBNS1228.3238	12,0	28,0	32,0	38,0	499	0,7	58	1,2	1,33	20°	4,06	3°
FBNS1228.4044	12,0	28,0	40,0	44,0	755	0,7	76	0,8	1,68	25°	9,66	2°
FBNS1230.2428	12,0	30,0	24,0	28,0	203	0,8	34	0,8	0,92	30°	0,94	4°
FBNS1230.2130	12,0	30,0	21,0	30,0	161	0,8	29	1,8	0,79	30°	0,56	4°
FBNS1230.2430	12,0	30,0	24,0	30,0	203	0,8	34	1,2	0,92	30°	0,94	4°
FBNS1230.2528	12,0	30,0	25,0	28,0	218	0,8	36	0,6	0,96	30°	1,10	4°
FBNS1230.3944	12,0	30,0	39,0	44,0	477	0,8	61	1,0	1,55	30°	5,97	2°

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# SEMI BONDED BUSHES

# Type FBNS



## INSIDE DIAMETER (d) TOLERANCES

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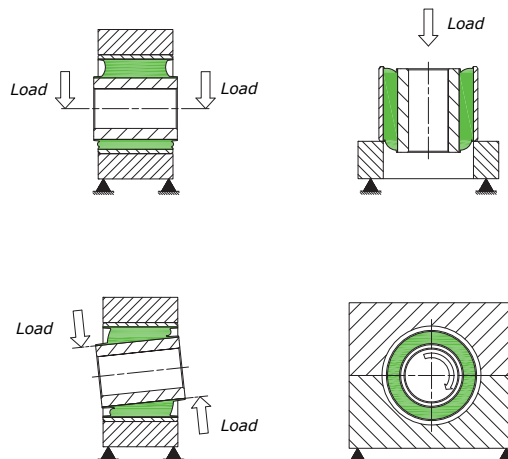
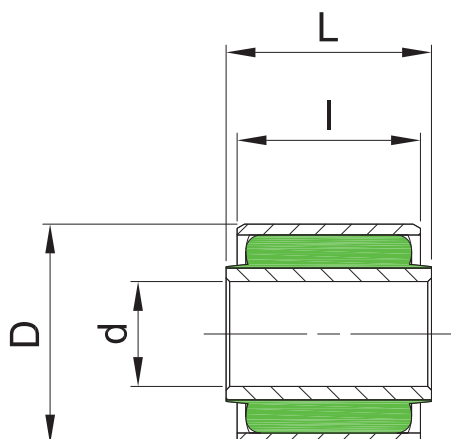
Item	d	D	I	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS1232.3440	12,0	32,0	34,0	40,0	317	0,9	48	1,2	1,31	30°	3,06	3°
FBNS1240.5866	12,0	40,0	58,0	66,0	330	1,5	58	1,6	2,28	30°	10,04	3°
FBNS1242.7582	12,1	42,2	75,0	82,0	487	1,6	77	2,4	3,36	20°	24,65	1°
FBNS1252.4052	12,5	52,0	40,0	52,0	230	1,7	47	2,4	3,72	30°	3,33	3°
FBNS1327.3844	13,0	27,0	38,0	44,0	1322	0,5	101	1,2	2,05	25°	14,72	3°
FBNS1427.4045	14,3	27,0	40,0	45,0	2330	0,5	141	1,0	2,72	25°	28,32	2°
FBNS1427.5056	14,3	27,0	50,0	56,0	2855	0,5	167	1,2	3,26	20°	55,24	1°
FBNS1429.3244	14,3	29,0	32,0	44,0	760	0,6	74	2,4	1,85	20°	6,03	2°
FBNS1430.2528	14,3	30,0	25,0	28,0	371	0,7	48	0,6	1,35	30°	1,80	7°
FBNS1430.2530	14,3	30,0	25,0	30,0	371	0,7	48	1,0	1,35	30°	1,80	7°
FBNS1430.3344	14,3	30,0	33,0	44,5	621	0,7	67	2,3	1,82	30°	5,34	3°
FBNS1430.3842	14,3	30,0	38,0	42,0	809	0,7	80	0,8	2,11	30°	9,27	3°

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# SEMI BONDED BUSHES

# Type FBNS



## INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
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from	16 mm	to 30 mm	-0 / +0,10
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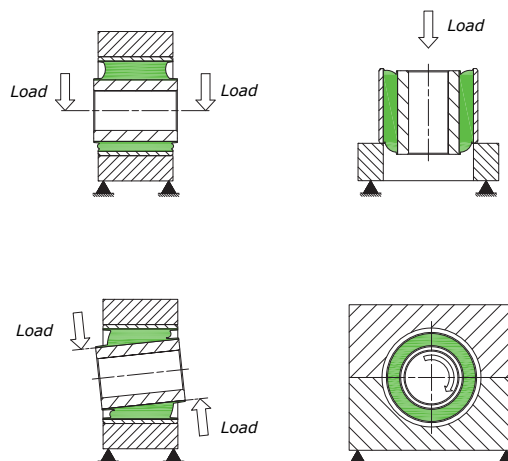
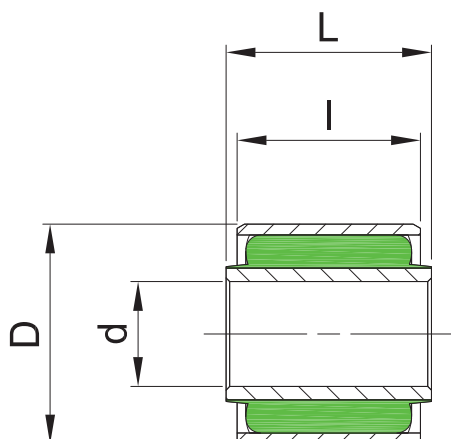
Item	d	D	l	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS1430.3944	14,3	30,0	39,0	44,5	850	0,7	82	1,1	2,17	30°	10,26	3°
FBNS1430.4451	14,3	30,0	44,5	50,8	1088	0,7	97	1,3	2,49	25°	17,12	2°
FBNS1430.4549	14,3	30,0	45,0	49,0	1114	0,7	98	0,8	2,52	25°	17,96	2°
FBNS1430.6370	14,3	30,2	63,5	69,85	2039	0,7	148	1,3	3,58	20°	65,93	1°
FBNS1430.8692	14,3	30,2	85,9	91,6	3645	0,7	220	1,1	4,88	15°	215,80	1°
FBNS1432.3846	14,3	32,0	38,0	46,0	529	0,8	65	1,6	1,97	25°	6,24	2°
FBNS1432.5054	14,0	32,0	49,6	54,0	1565	0,7	123	0,9	3,60	25°	30,55	2°
FBNS1432.5862	14,3	31,7	57,4	62,0	1198	0,8	110	0,9	3,05	20°	32,19	1°
FBNS1432.6066	14,0	32,0	60,0	66,0	2255	0,4	157	1,2	4,39	25°	64,62	2°
FBNS1440.6070	14,0	40,0	60,0	70,0	2317	0,8	166	2,0	6,56	30°	66,54	3°
FBNS1440.6072	14,0	40,0	60,0	72,0	2317	0,8	166	2,4	6,56	30°	66,54	3°
FBNS1452.5664	14,0	52,0	56,0	64,0	352	1,8	64	1,6	4,87	30°	10,04	3°

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# SEMI BONDED BUSHES

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## INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
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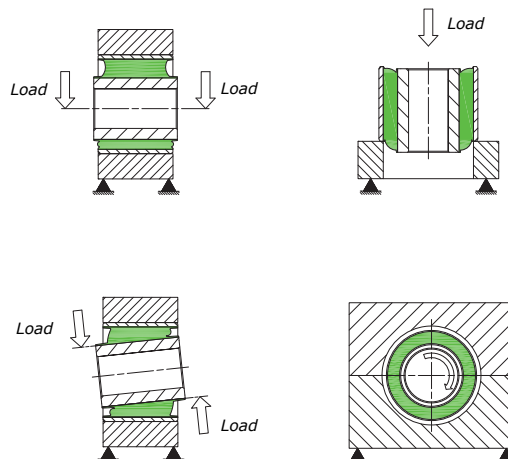
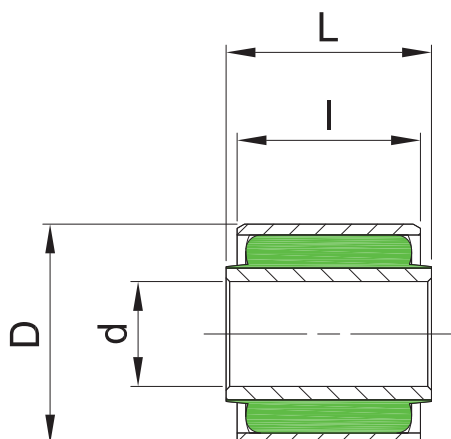
Item	d	D	l	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS1632.2528	16,0	32,0	25,0	28,0	869	0,5	77	0,6	2,52	20°	4,01	5°
FBNS1632.2832	16,0	32,0	28,0	32,0	530	0,7	61	0,8	1,97	20°	3,23	3°
FBNS1632.5054	16,0	32,0	49,6	54,0	1565	0,7	123	0,9	3,60	15°	30,55	1°
FBNS1632.6066	16,0	32,0	60,0	66,0	2255	0,7	157	1,2	4,39	20°	64,61	1°
FBNS1632.6069	16,0	32,0	60,0	69,0	2255	0,7	157	1,8	4,39	20°	64,61	1°
FBNS1633.5059	16,0	33,0	50,0	59,0	1589	0,7	124	1,8	3,64	15°	31,53	1°
FBNS1633.6066	16,0	33,0	60,0	66,0	2255	0,7	157	1,2	4,39	15°	64,61	1°
FBNS1635.5862	16,0	35,0	58,0	62,0	1332	0,8	119	0,8	3,91	20°	36,46	1°
FBNS1636.3038	16,0	36,0	30,0	38,0	289	1,0	46	1,6	1,86	30°	2,15	7°
FBNS1636.3538	16,0	36,0	35,0	38,0	377	1,0	55	0,6	2,19	30°	3,84	7°
FBNS1636.6570	16,0	36,0	65,0	70,0	1894	0,8	149	1,0	5,52	20°	64,78	1°
FBNS1638.6072P	16,2	38,0	60,0	72,1	3192	0,8	199	2,4	7,67	20°	90,59	1°

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# SEMI BONDED BUSHES

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## INSIDE DIAMETER (d) TOLERANCES

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Item	d	D	l	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS1640.3543	16,0	40,0	35,0	43,0	255	1,2	46	1,6	2,09	30°	2,70	2°
FBNS1645.7582	16,5	45,0	75,0	82,0	1055	1,3	119	1,4	6,82	25°	50,56	1°
FBNS1646.6067	16,0	46,0	60,0	67,0	486	1,5	75	1,4	4,41	25°	15,47	2°
FBNS1646.6082	16,0	46,0	60,0	82,0	486	1,5	75	4,4	4,41	25°	15,47	1°
FBNS1834.3236	18,0	34,0	32,0	36,0	1099	0,6	94	0,8	3,42	20°	8,59	3°
FBNS1834.6571	18,0	34,0	65,0	71,0	4383	0,6	239	1,2	7,19	20°	145,20	1°
FBNS1842.3538	18,0	42,2	35,0	38,0	335	1,1	54	0,6	2,89	30°	3,47	7°
FBNS1842.3542	18,0	42,2	35,0	42,0	335	1,1	54	1,4	2,89	30°	3,47	7°
FBNS1846.6067	18,0	46,0	60,0	67,0	560	1,4	81	1,4	4,86	25°	17,62	3°
FBNS2038.3538	20,0	38,0	35,0	38,0	1126	0,7	99	0,6	4,36	20°	10,69	3°
FBNS2042.3546	20,0	42,2	35,0	46,0	488	1,0	66	2,2	3,66	20°	4,90	3°
FBNS2044.3842	20,0	44,0	38,0	42,0	439	1,1	64	0,8	3,82	30°	5,32	7°

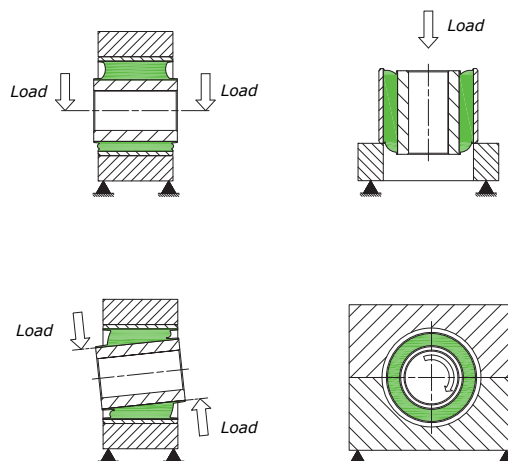
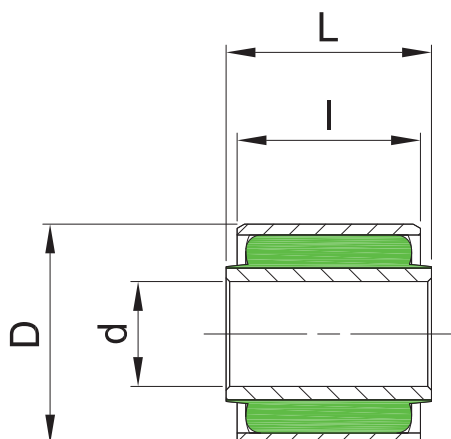
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## • STANDARD HARDNESS 65 IRHD

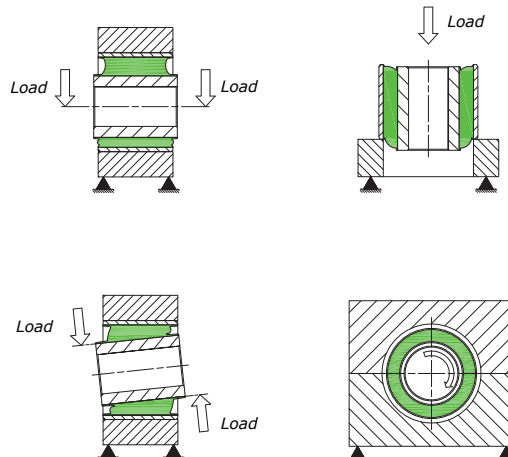
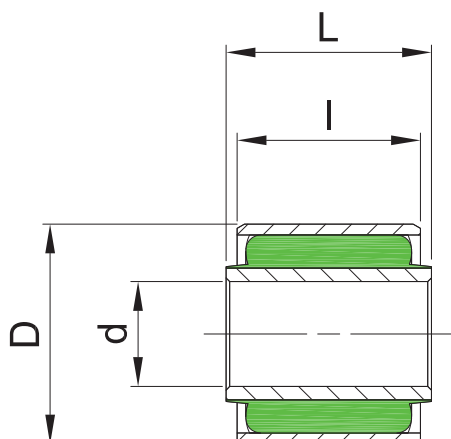
(N.B. 1 daN = 1.0197 kgf)

Item	d	D	l	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS2045.4046	20,0	45,0	40,0	46,0	640	1,0	78	1,2	4,24	30°	8,40	3°
FBNS2045.5562	20,0	45,0	55,0	62,5	740	1,2	92	1,5	5,52	25°	18,98	3°
FBNS2045.5962	20,0	45,0	59,5	62,5	851	1,2	101	0,6	5,99	25°	25,50	3°
FBNS2046.3542	20,0	46,0	35,0	42,0	769	0,9	85	1,4	5,95	30°	7,51	7°
FBNS2046.4555	20,0	46,0	45,0	55,0	1228	0,9	116	2,0	7,75	25°	19,96	3°
FBNS2046.6067	20,0	46,0	60,0	67,0	765	1,3	96	1,4	5,95	20°	23,53	2°
FBNS2049.5964	20,0	49,0	59,0	64,0	743	1,3	94	0,8	5,85	25°	22,09	2°
FBNS2050.7581	20,0	50,4	75,2	80,6	2258	1,1	182	1,0	12,29	20°	104,50	2°
FBNS2050.9095	20,0	50,5	90,0	95,0	2329	1,2	195	1,0	14,00	15°	156,30	1°
FBNS2052.4052	20,0	52,0	40,0	52,0	326	1,5	57	2,4	4,83	30°	4,56	7°
FBNS2052.6060	20,0	52,0	60,0	60,0	1782	1,1	156	1,2	13,25	25°	52,23	5°
FBNS2052.6066	20,0	52,0	60,0	66,0	1782	1,1	156	1,2	13,25	25°	52,23	5°

Items produced only on request. Supply quantities on request.

# SEMI BONDED BUSHES

# Type FBNS



## INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
from	16 mm	to 25mm	-0 / +0,30
from	26 mm	to 50mm	-0 / +0,40
over	51 mm	to be defined	

## OUTSIDE DIAMETER (D) TOLERANCES

from	16 mm	to 30 mm	-0 / +0,10
from	31 mm	to 70mm	-0 / +0,15
from	71 mm	to 100 mm	-0 / +0,20
over	101 mm	to be defined	

## Approximate schemes for forces and constraints

N.B. The Driving Seat must assure a minimum interference of 0.02mm, with a tolerance of -0.05mm

i.e. A Bush with an Outside Diameter of 30mm must be fitted into a hole with a dimension of 30mm -0.02/-0.05mm (i.e. 29.98 - 29.93mm)

Subject to agreement, we are able to supply products to closer tolerances where required.

## • STANDARD HARDNESS 65 IRHD

(N.B. 1 daN = 1.0197 kgf)

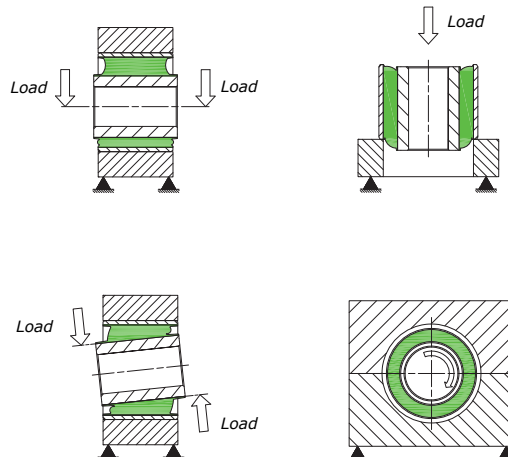
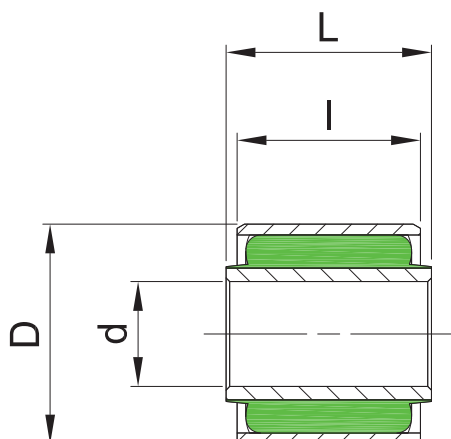
Item	d	D	I	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS2063.6672	20,2	63,0	66,5	72,5	1279	1,4	140	1,2	16,89	30°	47,66	3°
FBNS2247.7679	22,0	46,6	76,0	78,6	1892	1,1	164	0,5	10,34	20°	90,23	1°
FBNS2442.5055	24,0	42,2	50,0	55,0	3802	0,6	218	1,0	10,77	20°	73,41	3°
FBNS2442.9096	24,0	42,2	90,0	96,0	12171	0,6	504	1,2	19,75	20°	77,35	1°
FBNS2444.4858	24,0	44,5	48,0	58,0	2136	0,8	157	2,0	9,15	20°	38,69	3°
FBNS2444.7779	24,0	45,0	76,5	79,0	4160	0,8	254	5,0	14,06	15°	19,44	1°
FBNS2450.6571	24,1	50,5	65,0	71,0	1278	1,2	131	1,2	10,03	20°	45,06	2°
FBNS2450.7881	24,1	50,5	78,0	80,6	2418	1,1	191	0,5	12,76	20°	120,41	1°
FBNS2450.9095	24,1	50,5	90,0	95,0	2328	1,2	195	1,0	14,00	15°	156,36	1°
FBNS2452.5966	24,0	52,0	59,0	66,0	1726	1,1	153	1,4	13,02	20°	48,95	3°
FBNS2455.5565	24,0	55,0	55,0	65,0	987	1,3	113	2,0	11,10	25°	25,00	5°
FBNS2550.6267	25,0	50,0	62,5	67,5	1757	1,1	154	1,0	11,89	20°	56,10	1°

Items produced only on request. Supply quantities on request.

FIBET GROUP operates a policy of continuous improvement and development. We reserve the right to change design and specification of our products without prior notification or alteration of literature.

# SEMI BONDED BUSHES

# Type FBNS



## INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
from	16 mm	to 25mm	-0 / +0,30
from	26 mm	to 50mm	-0 / +0,40
over	51 mm	to be defined	

## OUTSIDE DIAMETER (D) TOLERANCES

from	16 mm	to 30 mm	-0 / +0,10
from	31 mm	to 70mm	-0 / +0,15
from	71 mm	to 100 mm	-0 / +0,20
over	101 mm	to be defined	

## Approximate schemes for forces and constraints

N.B. The Driving Seat must assure a minimum interference of 0.02mm, with a tolerance of -0.05mm

i.e. A Bush with an Outside Diameter of 30mm must be fitted into a hole with a dimension of 30mm -0.02/-0.05mm (i.e. 29.98 - 29.93mm)

Subject to agreement, we are able to supply products to closer tolerances where required.

## • STANDARD HARDNESS 65 IRHD

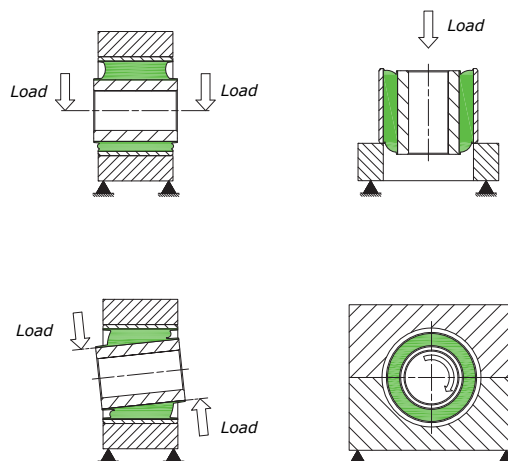
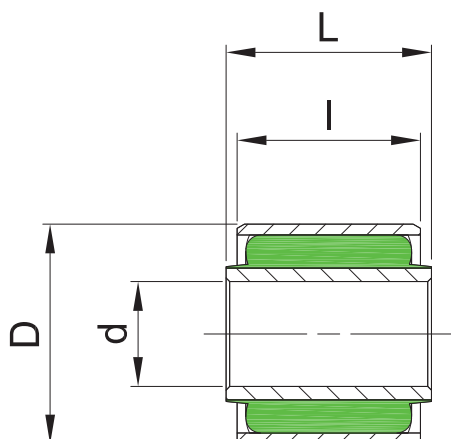
(N.B. 1 daN = 1.0197 kgf)

Item	d	D	I	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS2550.6567	25,0	50,0	65,5	67,5	1918	1,1	164	0,4	12,49	20°	67,21	1°
FBNS2555.8993	25,0	55,0	89,5	93,0	2486	1,2	207	0,8	19,55	15°	163,10	1°
FBNS2848.6066	28,0	48,0	60,0	66,0	4035	0,8	241	0,9	15,97	20°	114,15	3°
FBNS2860.4050	28,0	60,0	40,0	50,0	1150	1,1	117	2,0	14,82	25°	14,73	5°
FBNS2860.6580	28,0	60,0	65,0	80,0	785	1,7	107	3,0	12,11	20°	28,82	2°
FBNS2860.7275	28,0	60,0	72,0	75,0	937	1,7	120	0,6	13,46	20°	42,10	2°
FBNS2863.6672	28,0	63,0	66,5	72,5	1279	1,4	140	1,2	16,89	20°	47,66	2°
FBNS3055.8994	30,0	55,0	89,5	94,0	5431	1,0	321	0,9	27,53	15°	349,00	1°
FBNS3057.97102	30,1	57,0	97,5	102,0	8553	0,9	431	0,9	35,95	15°	647,96	1°
FBNS3060.5055	30,0	60,0	50,0	55,0	1108	1,2	120	1,0	13,55	25°	22,83	3°
FBNS3060.6068	30,0	60,0	60,0	68,0	1194	1,4	131	1,6	15,53	20°	35,98	2°
FBNS3063.6672	30,0	63,0	66,5	72,5	1279	1,4	140	1,2	16,88	30°	47,66	3°
FBNS3256.5055	32,0	56,0	50,0	55,0	1498	1,1	139	1,0	14,50	25°	30,29	5°

Items produced only on request. Supply quantities on request.

## SEMI BONDED BUSHES

## Type FBNS



### INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
from	16 mm	to 25mm	-0 / +0,30
from	26 mm	to 50mm	-0 / +0,40
over	51 mm	to be defined	

### OUTSIDE DIAMETER (D) TOLERANCES

from	16 mm	to 30 mm	-0 / +0,10
from	31 mm	to 70mm	-0 / +0,15
from	71 mm	to 100 mm	-0 / +0,20
over	101 mm	to be defined	

### Approximate schemes for forces and constraints

N.B. The Driving Seat must assure a minimum interference of 0.02mm, with a tolerance of -0.05mm

i.e. A Bush with an Outside Diameter of 30mm must be fitted into a hole with a dimension of 30mm -0.02/-0.05mm (i.e. 29.98 - 29.93mm)

Subject to agreement, we are able to supply products to closer tolerances where required.

### • STANDARD HARDNESS 65 IRHD

(N.B. 1 daN = 1.0197 kgf)

Item	d	D	I	L	RADIAL		AXIAL		TORSIONAL		CONICAL	
					Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (daN/mm)	Deflec. Max (mm)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)	Stiffness (Nm/°)	Angle. Max (+/-°gradi)
FBNS3260.6584	32,5	60,0	65,0	84,0	1380	1,4	144	3,8	16,86	25°	48,76	3°
FBNS3270.9095	32,0	70,0	90,0	95,0	1239	1,9	150	1,0	21,04	20°	87,22	2°
FBNS3559.102111	35,0	59,0	102,0	111,0	10966	0,9	516	1,8	48,35	15°	906,75	1°
FBNS3866.5560	38,0	66,0	55,0	60,0	1478	1,3	148	1,0	22,16	20°	36,75	3°
FBNS4066.8696	40,0	66,0	86,0	96,0	9752	0,9	474	2,0	57,06	15°	570,20	1°
FBNS5080.100110	50,0	80,0	100,0	110,0	8639	1,2	468	2,0	83,41	15°	69,26	1°
FBNS60110.120	60,0	110,0	110,0	120,0	5827	1,8	410	2,0	162,63	15°	579,50	2°
FBNS80140.120	80,0	140,0	110,0	120,0	9892	1,8	587	2,0	379,00	15°	969,00	2°
FBNS80140.180	80,0	140,0	170,0	180,0	22992	1,8	107	2,0	590,00	15°	5361,00	1°
FBNS86150.200	86,0	150,0	180,0	200,0	49200	1,5	181	4,0	907,50	15°	12714,00	1°
FBNS100140.120	100,0	140,0	110,0	120,0	12814	1,7	685	2,0	424,00	15°	1246,00	1°
FBNS110160.180	110,0	160,0	170,0	180,0	50791	1,5	1857	2,0	1069,00	15°	11688,00	1°
FBNS124180.230	124,0	180,0	220,0	230,0	49319	2,0	1926	2,0	1506,00	15°	19174,00	1°

Items produced only on request. Supply quantities on request.

**FLANGED BUSHES**

Type FBF/FBFN

Versatile bushes that provide the ability to extend service life of suspension components in vehicular applications.

The FBF and FBFN series bushes are designed and constructed using different materials, and are shaped to provide a maintenance free function by outlasting the predicted life of leaf spring and suspension in automotive applications.

**STANDARD PRODUCTION**

Fe 360 Steel (ISO 3305/3306)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

**APPLICATIONS**

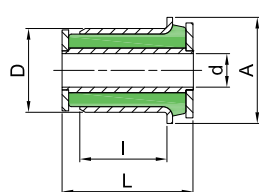
- Flexible Joints • Motor vehicles
- Earth moving machinery • General machinery & equipment

**OPTIONS & ADDITIONAL PARTS**

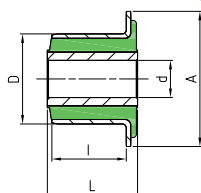
Alternative elastomeric hardness and compounds available

# FLANGED BUSHES

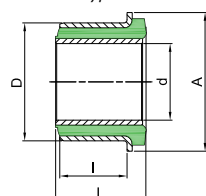
## Type FBF/FBFN



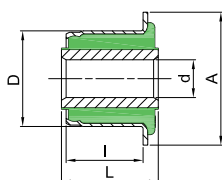
Type 1



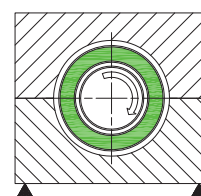
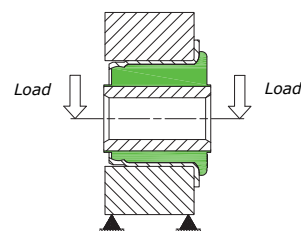
Type 2



Type 3



Type 4



### INSIDE DIAMETER (d) TOLERANCES

from	8 mm	to 15mm	-0 / +0,15
from	16 mm	to 25mm	-0 / +0,30
from	26 mm	to 50mm	-0 / +0,40
over	51 mm	to be defined	

### OUTSIDE DIAMETER (D) TOLERANCES

from	16 mm	to 30 mm	-0 / +0,10
from	31 mm	to 70mm	-0 / +0,15
from	71 mm	to 100 mm	-0 / +0,20
over	101 mm	to be defined	

### Approximate schemes for forces and constraints

N.B. The Driving Seat must assure a minimum interference of 0.02mm, with a tolerance of -0.05mm

i.e. A Bush with an Outside Diameter of 30mm must be fitted into a hole with a dimension of 30mm -0.02/-0.05mm (i.e. 29.98 - 29.93mm)

Subject to agreement, we are able to supply products to closer tolerances where required.

\* STANDARD HARDNESS 55 IRHD • STANDARD HARDNESS 65 IRHD # STANDARD HARDNESS 80 IRHD

(N.B. 1 daN = 1.0197 kgf)

Item	d	D	I	L	RADIAL		TORSIONAL		Type
					Stiffness (daN/mm)	Deflec.max (mm)	Stiffness (Nm/°)	Angle.max (+/-°gradi)	
• FBF1230.2645	12	30	26	45,5	357	0,8	1,2	30	1
• FBF1230.3147	12	30	31	47	462	0,8	1,4	30	1
* FBF1640.2835	16,5	40	28	35	289	0,9	1,9	30	2
# FBF1640.2843	16,5	40	28	43	790	0,9	5,2	30	2
• FBF1640.3340	16,5	40	33	40	621	0,9	3,6	30	2
• FBF1646.3240	16	45,7	32	39,9	283	1,3	3,2	20	2
• FBF2952.2332	29	52	22,5	32	1320	0,7	9,9	20	3
• FBF2952.3342	29	52	32,5	42	2455	0,7	13,8	20	3
• FBF3252.2332	32	52	22,5	42	1320	0,7	9,9	20	3
• FBF3252.3342	32	52	32,5	42	2455	0,7	13,8	20	3
• FBF3757.3242	37	57	32	42	2220	0,8	16,9	20	3
• FBFN1640.3341	16	40	33	41	621	0,9	3,6	30	4
• FBFN1640.3846	16	40	38	46	661	0,9	4,0	30	4

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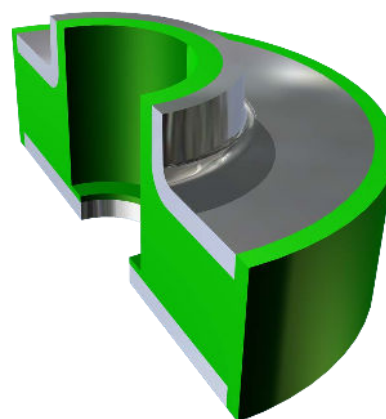
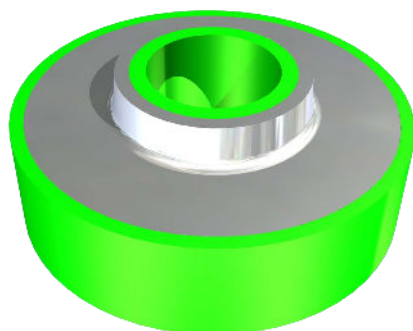
## UNIVERSAL MOUNTS

## Type CGM

The CGM range provides excellent fail-safe dynamic insulation particularly in vertical direction, both in traction and in compression.

They significantly reduce vibrations and absorb considerable levels of shocks to provide an excellent all-round solution to a wide range of applications on agricultural machines, tractors, off-road machines and military equipment.

These mounts are specially suitable for insulating structures where through assembly is required.



### STANDARD PRODUCTION

Washer and flange: DD12 or DD13 steel (UNI EN 10111)

Tube: Fe 360 Steel (ISO 3305/3306)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 15%

### APPLICATIONS

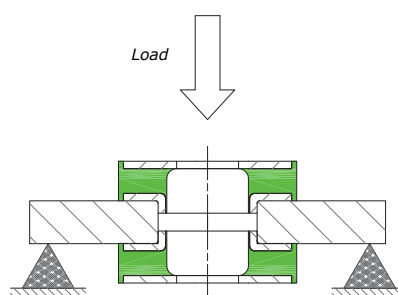
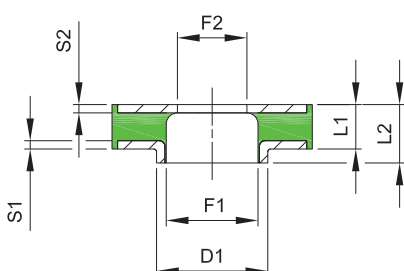
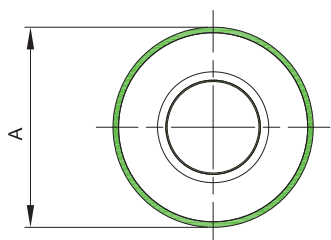
- Engines
- Radiators
- Cabs

### OPTIONS & ADDITIONAL PARTS

NEOPRENE CR and Anti-oil NBR version

# UNIVERSAL MOUNTS

# Type CGM



N.B. Mounts are sold individually, but need to be installed in pairs as above, to provide the Isolation Characteristics.

(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	A	D1	F1	F2	L1	L2	S1	S2	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)	Average weight (g)
CGM3611W	45	36	20	16,5	16,5	8	10,5	1,5	1,5	90,0	81,0	0,9	20,0
CGM3611M	60									150,0	135,0	0,9	
CGM3611H	70									230,0	207,0	0,9	
CGM3614W	45	36	18	12	8,5	10	14	1,5	1,5	70,0	84,0	1,2	35,0
CGM3614M	60									110,0	132,0	1,2	
CGM3614H	70									170,0	204,0	1,2	
CGM5023W	45	50	23	20	16,5	13	22,5	1,5	1,5	80,0	120,0	1,5	65,0
CGM5023M	60									140,0	210,0	1,5	
CGM5023H	70									210,0	315,0	1,5	
CGM6017W	45	60	27	24	20,5	13	17	1,5	1,5	110,0	209,0	1,9	85,0
CGM6017M	60									210,0	399,0	1,9	
CGM6017H	70									310,0	589,0	1,9	
CGM6023W	45	60	27	24	20,5	13	23,5	1,5	1,5	110,0	209,0	1,9	85,0
CGM6023M	60									210,0	399,0	1,9	
CGM6023H	70									310,0	589,0	1,9	
CGM6034M	60	60	27	24	21	30	34	1,5	1,5	70,0	245,0	3,5	130,0





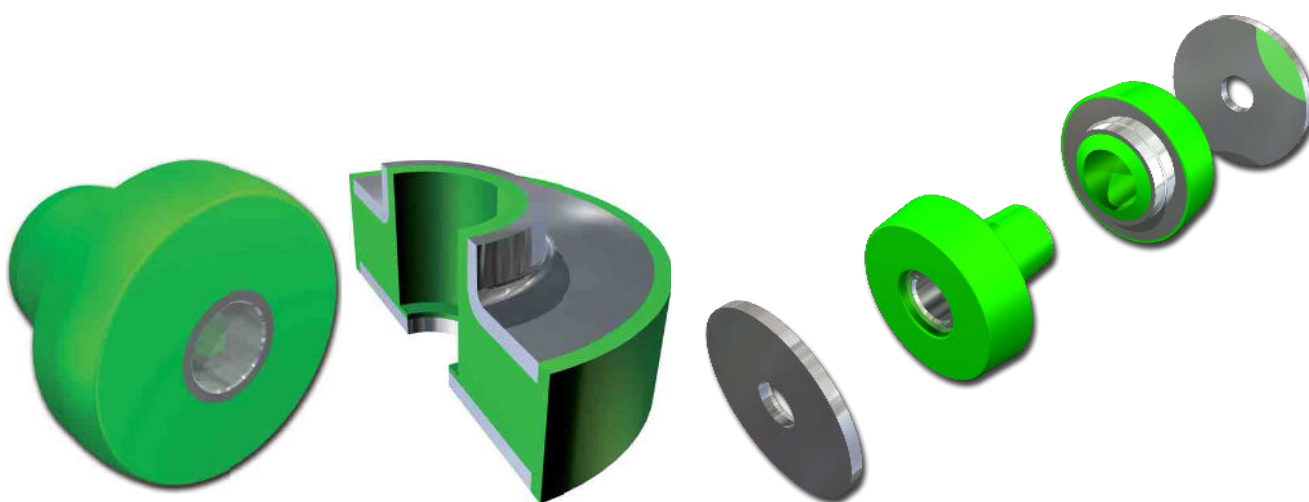
## UNIVERSAL MOUNTS

## Type CTC

The CTC range provides excellent fail-safe dynamic insulation particularly in vertical direction, both in traction and in compression.

They significantly reduce vibrations and absorb considerable levels of shocks to provide an excellent all-round solution to a wide range of applications on agricultural machines, tractors, off-road machines and military equipment.

These mounts are specially suitable for insulating structures where through assembly is required.



### STANDARD PRODUCTION

Washer and flange: DD12 or DD13 steel (UNI EN 10111)

Tube: Fe 360 Steel (ISO 3305/3306)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 15%

### APPLICATIONS

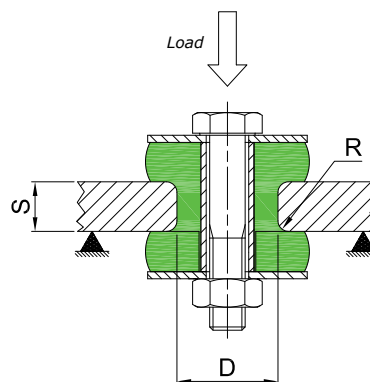
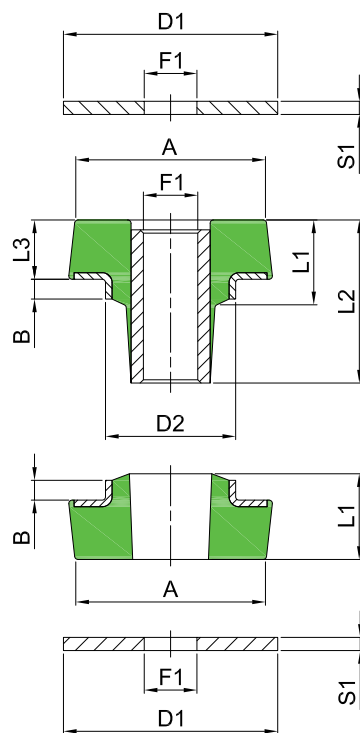
- Engines
- Radiators
- Cabs

### OPTIONS & ADDITIONAL PARTS

NEOPRENE CR and Anti-oil NBR version

## UNIVERSAL MOUNTS

## Type CTC



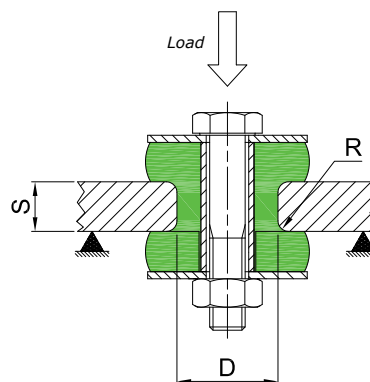
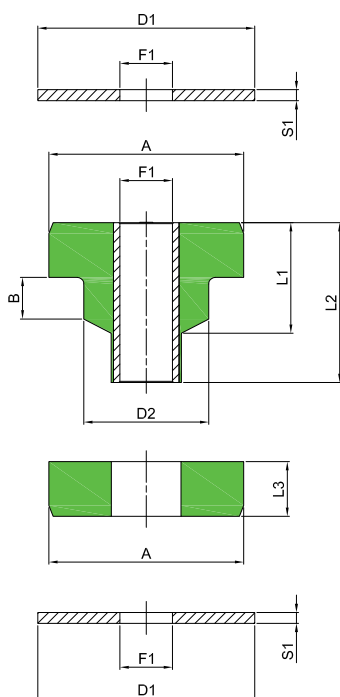
		Mounts						Washers			Installation			(N.B. 1 daN = 1.0197 kgf)		
Item	Hardness (IRHD)	A	B	D2	L1	L2	L3	D1	F1	S1	D	S	R	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
CTC6050W	45	58	6	39.5	26	49.5	18	65	16	4	41	15	1	68,0	102,0	1,5
CTC6050M	60													135,0	202,0	1,5
CTC6050H	70													210,0	315,0	1,5

The data related to the average stiffness, maximum load and maximum deflection refer to the assembling scheme shown.

The item code means the mount supplied with washers.

# UNIVERSAL MOUNTS

## Type CTC



Item	Hardness (IRHD)	Mounts							Washers			Insallation			(N.B. 1 daN = 1.0197 kgf)		
		A	B	F1	D2	L1	L2	L3	D1	F1	S1	D	S	R	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
CTC5050W	45	50	10	13	32	30	50	20	55	12,2	3,5	31	15	1,5	43,0	80,0	1,9
CTC5050M	60														86,0	130,0	1,5
CTC6562W	45	65	16	16,5	40	42	61,7	23	70	16	04	39	22	2,3	58,0	120,0	2,1
CTC6562M	60														140,0	260,0	1,9
CTC8973W	45	89	19	24	57	50,5	73	25	99	24	04	57	28	3	130,0	260,0	2,0
CTC8973M	60														240,0	450,0	1,9

The data related to the average stiffness, maximum load and maximum deflection refer to the assembling scheme shown.

The item code means the mount supplied with washers.



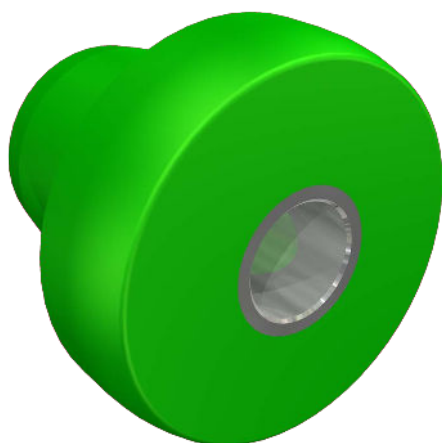
## UNIVERSAL MOUNTS

## Type T

The T range provides excellent fail-safe dynamic insulation particularly in vertical direction, both in traction and in compression.

They significantly reduce vibrations and absorb considerable levels of shocks to provide an excellent all-round solution to a wide range of applications on agricultural machines, tractors, off-road machines and military equipment.

These mounts are specially suitable for insulating structures where through assembly is required.



### APPLICATIONS

- Engines
- Radiators
- Cabs

### STANDARD PRODUCTION

Washer and flange: DD12 or DD13 steel (UNI EN 10111)

Tube: Fe 360 Steel (ISO 3305/3306)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

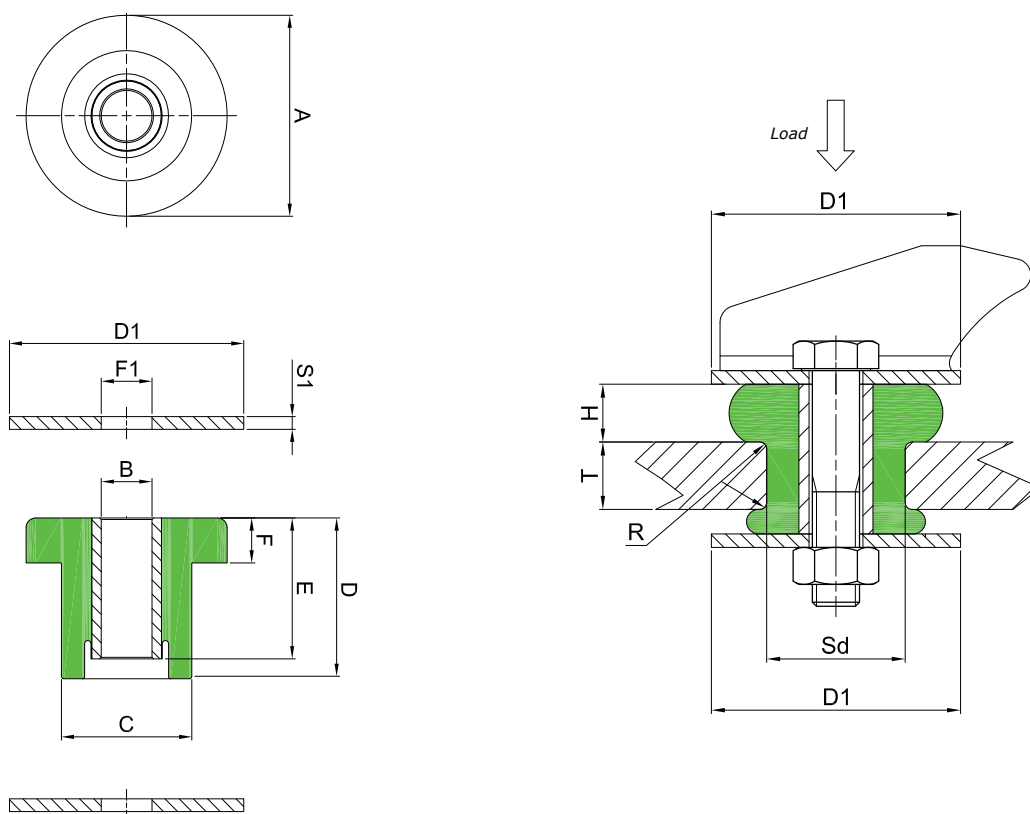
Stiffness tolerance +/- 15%

### OPTIONS & ADDITIONAL PARTS

NEOPRENE CR and Anti-oil NBR version

# UNIVERSAL MOUNTS

## Type T



Item	Hardness (IRHD)	Mounts						Installation					Washers			(N.B. 1 daN = 1.0197 kgf)		
		A	B	C	D	E	F	H	D1	Sd	R	T	D1	F1	S1	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
<b>T3027W</b>	45	32	10	24	36	27,2	14	13	38	22,7	1,5	9,7	38	10	2	22	50	2,3
<b>T3027M</b>	55	32	10	24	36	27,2	14	13	38	22,7	1,5	9,7	38	10	2	38	87	2,3
<b>T5137K</b>	50	51	13	35	51	37	19	17.5	65	31.8	1.5	12.7	65	12	3	45	135	3,0
<b>T6038K</b>	50	60	17.1	37	53	39.2	17	16	70	35,1	1,5	15,7	70	16	4	75	225	3,0
<b>T6344K</b>	50	63.5	16	41.2	50.8	44.5	14.2	14.2	74	38.1	1.5	19.1	74	16	4	115	210	1,8

The data related to the average stiffness, maximum load and maximum deflection refer to the assembling scheme shown.

The item code means the mount supplied with washers.



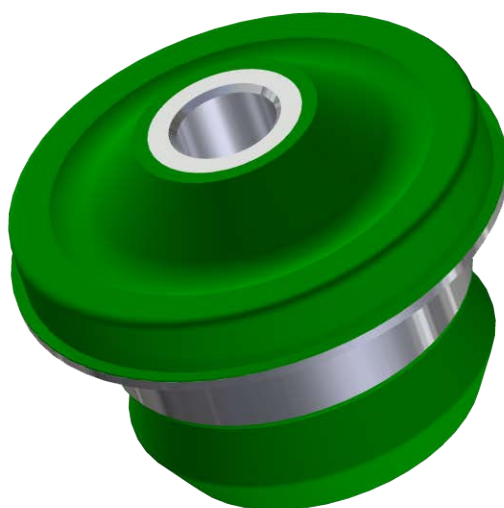
## UNIVERSAL MOUNTS

## Type FBF

The FBF range provides excellent fail-safe dynamic insulation particularly in vertical direction, both in traction and in compression.

They significantly reduce vibrations and absorb considerable levels of shocks to provide an excellent all-round solution to a wide range of applications on agricultural machines, tractors, off-road machines and military equipment.

These mounts are specially suitable for insulating structures where through assembly is required.

**STANDARD PRODUCTION**

Washer and flange: DD12 or DD13 steel (UNI EN 10111)

Tube: Fe 360 Steel (ISO 3305/3306)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

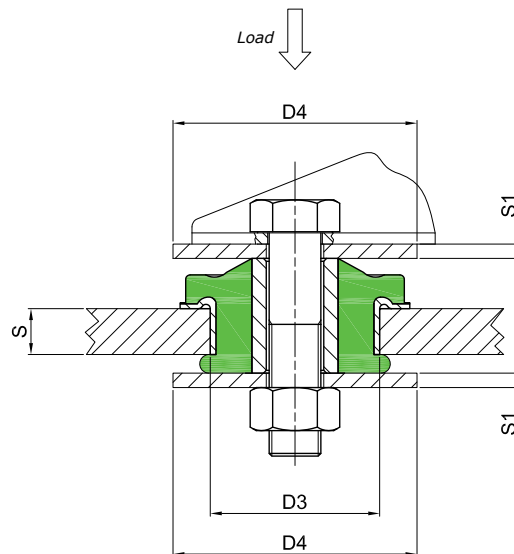
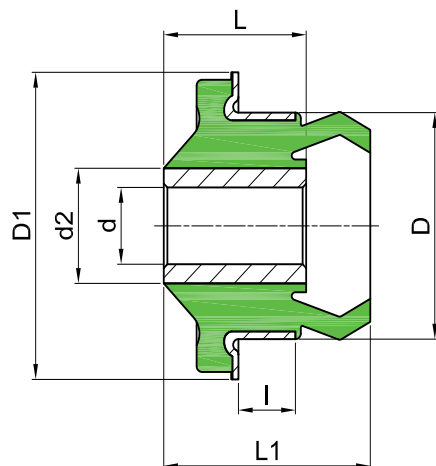
Stiffness tolerance +/- 15%

**APPLICATIONS**

- Engines
- Radiators
- Cabs

**OPTIONS & ADDITIONAL PARTS**

NEOPRENE CR and Anti-oil NBR version



• STANDARD HARDNESS 65 IRHD \* STANDARD HARDNESS 45 IRHD

Item	Mounts							Installation				(N.B. 1 daN = 1.0197 kgf)		
	d	D	I	L	d2	L1	D1	D3	D4	S	S1	Average Stiffness (daN/mm)	Max. Load (daN)	Max Deflec. (mm)
• FBF1659.1640	16,2	59	16	40	25	58	80	60	85	16	min 5	450	1200	2.7
* FBF1659.1640W												240	720	3
• FBF2059.1640	20	59	16	40	30	58	80	60	85	16	min 5	500	1250	2.5
* FBF2059.1640W												265	800	3

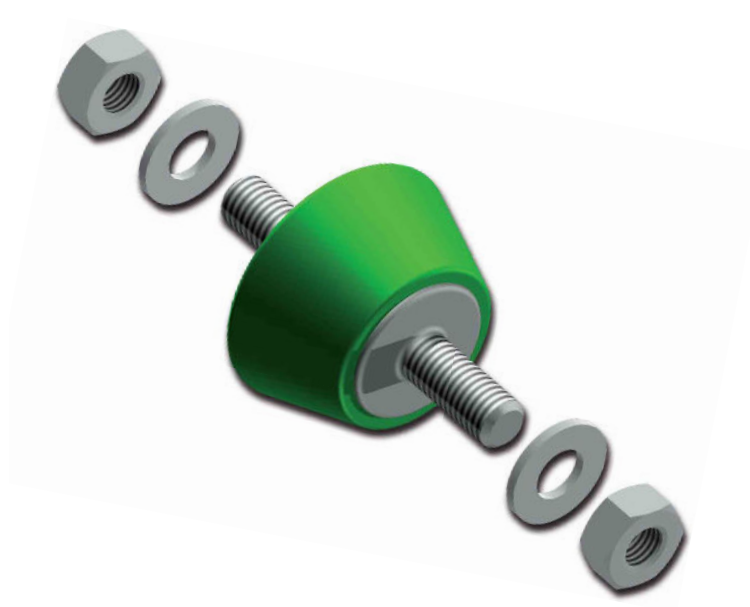
The data related to the average stiffness, maximum load and maximum deflection refer to the assembling scheme shown.



Fibet VVTC Mounts are the best low-cost solution for a wide range of air movement products.

They are designed with high damping capabilities in the medium-high frequency to reduce noise (actual and transient) and vibration levels of any air movement products (including air-conditioning, ventilation & MVHR systems), dramatically improving the local environment for occupants, users and neighbours.

The mounts are easy to install and are offered in a wide range of kits which include mounts, nuts & washers to suit any system requirements.



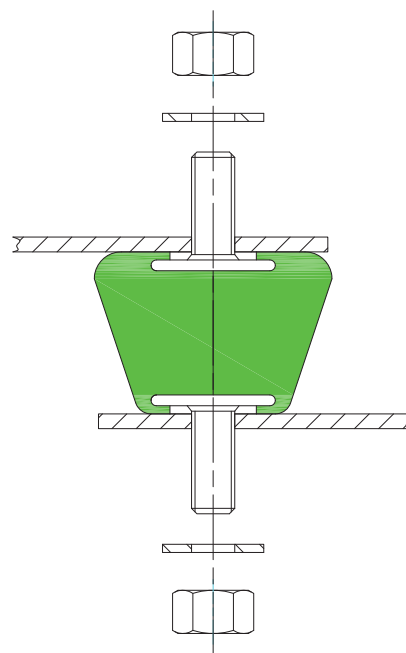
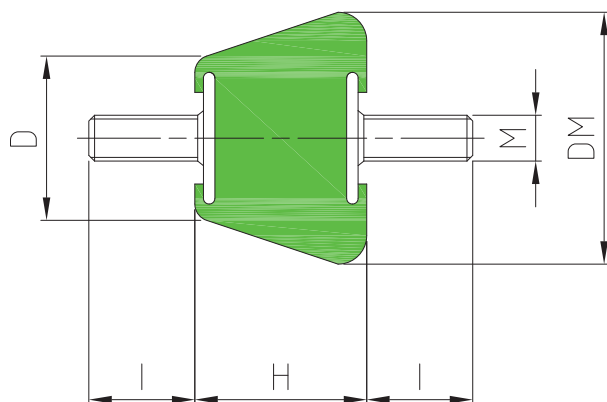
## APPLICATIONS

- HVAC Unit

## OPTIONS & ADDITIONAL PARTS

Alternative elastomeric hardness and compounds available





Item	H	L	M	D	DM
KIT-4023VVTC20	22,5	20	M8	28	39,5
KIT-4430VVTC20	30	20	M8	29	44

KIT-4023VVTC20		
N°4 - 4023VVTC20	N°8 - M8 Nut	N°8 -Washer
KIT-4430VVTC20		
N°4 - 4430VVTC20	N°8 - M8 Nut	N°8 -Washer



Fibet SG Mounts are the best low-cost solution for a wide range of air movement products.

They are designed with high damping capabilities in the medium-high frequency to reduce noise (actual and transient) and vibration levels of any air movement products (including air-conditioning, ventilation & MVHR systems), dramatically improving the local environment for occupants, users and neighbours.

The mounts are easy to install and are offered in a wide range of kits which include mounts, nuts & washers to suit any system requirements.

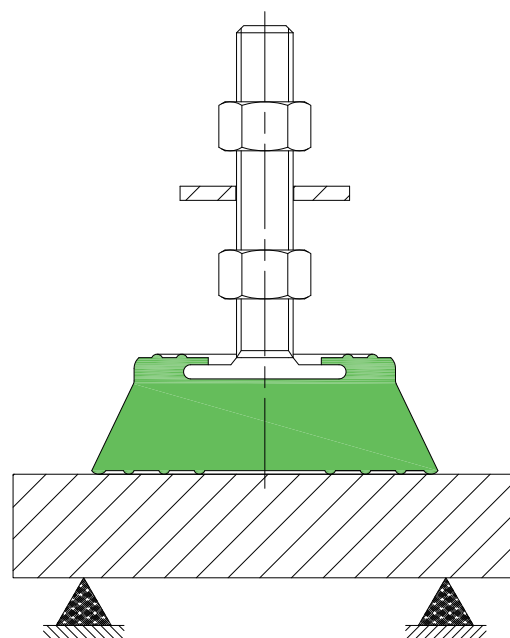
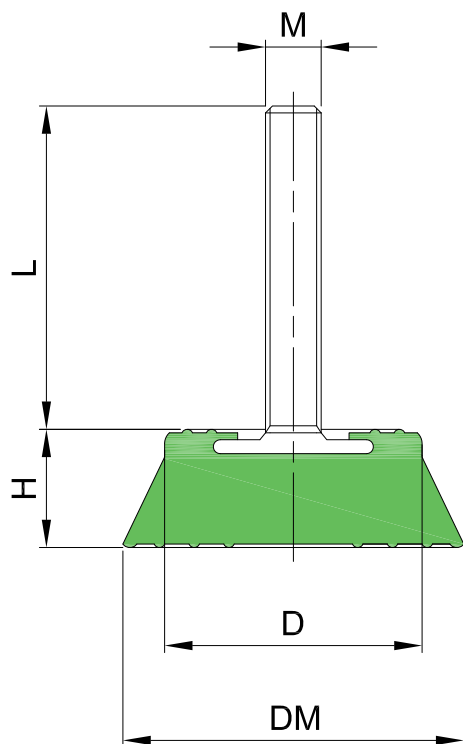


## APPLICATIONS

- HVAC Unit
- Small Mobile Equipment

## OPTIONS & ADDITIONAL PARTS

Alternative elastomeric hardness and compounds available



Item	DM	D	H	M	L
SG40	49	37	17	M8	46
SG60	59	51	19	M10	77

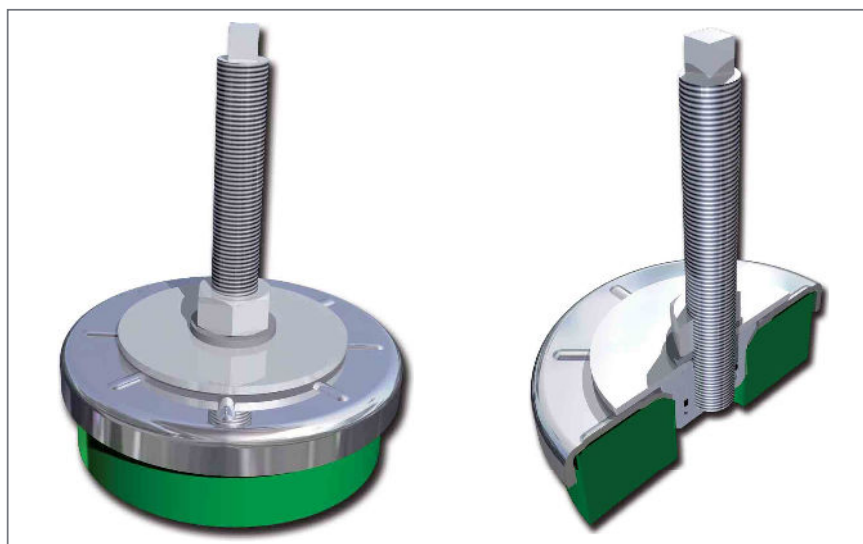
KIT-SG40		
N°4 - SG40	N°8 - M8 Nut	N°4 -Washer
KIT-SG60		
N°4 - SG60	N°8 - M10 Nut	N°4 -Washer



## HEAVY DUTY FEET

## Type ZAL

Series of mounts utilised as support for various plant and machinery. They come in various sizes, from 8 to 200 mm diameter, with loads applied from 500 daN (approx. 510kg) to 4,000 daN (approx. 4,079kg).



### STANDARD PRODUCTION

Plates: Steel DC04 (UNI EN 10130)

Washers: Steel DD12 (UNI EN 10111)

Nuts: Resistance class 4      Bolts: Resistance class 4.8

Other metal components: 11SMnPb 37 (UNI EN 10087)

Natural rubber NR

Zinc plated in accordance with CE standards CHROME VI free, white

Stiffness tolerance +/- 20%

### APPLICATION

- Engines   • Tooling machinery   • Pumps
- Special equipment   • HVAC   • Gensets

### OPTIONS & ADDITIONAL PARTS

NEOPRENE CR and Anti-oil NBR version

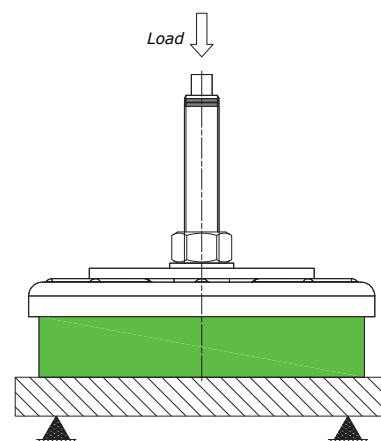
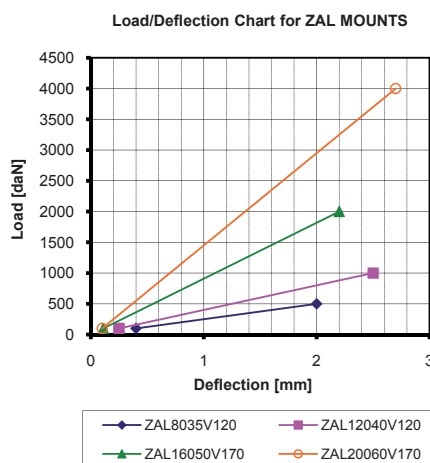
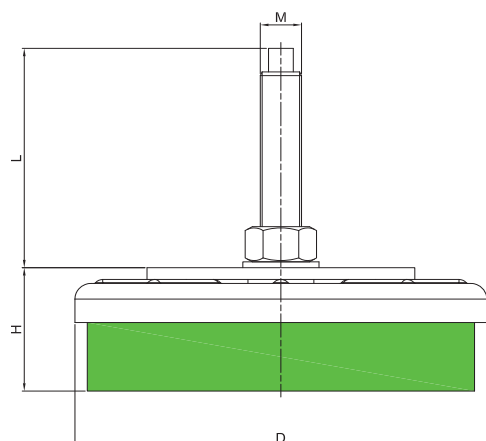
Bolt and nuts higher class resistance version

Bolt specific length in accordance to customer's drawing



# HEAVY DUTY FEET

# Type ZAL



(N.B. 1 daN = 1.0197 kgf)

Item	Hardness (IRHD)	D	H min.	H max.	M	L min	L max	Average Stiffness (daN/mm)	Max Load (daN)	Max Deflec. (mm)
<b>ZAL8035V120</b>	80	80	35	46	M12X1,25	87	98	250	500	2,0
<b>ZAL12040V120</b>	80	120	40	51	M16X1,5	93	104	400	1000	2,5
<b>ZAL16050V170</b>	80	160	50	63	M20X1,5	125	138	900	2000	2,2
<b>ZAL20060V170</b>	80	200	60	73	M20X1,5	125	138	1500	4000	2,7



# Index

Fibet Ref:	Page	Fibet Ref:	Page	Fibet Ref:	Page	Fibet Ref:	Page
0808VD06	66	10995CN20W	51	2020DE06	93	2525VV20	60
0808VE06	86	11550ZTD12M	34	2020VD18	66	2530DD06	72
0808VV06	60	11550ZTV37M	33	2020VE18	86	2530DD08	72
100100DD16	75	1214GVV410	77	2020VV18	60	2530DE08	93
100100DE16	97	1214GVV510	77	2025DD06	72	2530VD18	66
100100VD44	70	12564DBL20H	37	2025DE06	93	2530VD20	66
100100VE44	91	12564DBL20M	37	2025VD18	66	2530VE20	87
100100VV44	64	12564DBL20W	37	2025VE18	86	2530VV18	61
100120VP31	99	12564DBLR20H	40	2025VV18	60	2530VV20	61
100120VP44	99	12564DBLR20M	40	2030DD06	72	2540VV20	61
10030DE16	97	12564DBLR20W	40	2030DE06	93	3015DE08	94
10030VE44	91	12564VBL42H	36	2030VD18	66	3015VD20	66
10030VV44	64	12564VBL42M	36	2030VE18	86	3015VE20	87
10040DD16	75	12564VBL42W	36	2030VV18	60	3015VV20	61
10040DE16	97	12564VBLR42H	39	215150ZTD12M	34	3017DE08	94
10040VD44	70	12564VBLR42M	39	215150ZTV37M	33	3017VE20	87
10040VE44	91	12564VBLR42W	39	2425DP06	101	3020DD08	72
10040VV44	64	1413DD04	72	2425VP18	99	3020DE08	94
10045DD16	75	1413VD10	66	2435DP06	101	3020GDD08	81
10045VV44	64	1413VE10	86	2435VP18	99	3020GDE08	105
10050DD16	75	15075DD16	75	2508VE18	86	3020GVD20	79
10050DE16	97	15075DD20	75	2508VE20	86	3020GVE20	103
10050VD44	70	15075VV44	64	2510VE20	87	3020GVV20	77
10050VE44	91	1508VE10	86	2510VV18	60	3020VD20	66
10050VV44	64	1508VV10	60	2513VV18	60	3020VE20	87
10055DD16	75	15280DBL20H	37	2515DD06	72	3020VV20	61
10055DE16	97	15280DBL20M	37	2515DE06	93	3022DE08	94
10055VD44	70	15280DBL20W	37	2515VD18	66	3022VD20	66
10055VE44	91	15280VBL38H	36	2515VE18	87	3022VE20	87
10055VV44	64	15280VBL38M	36	2515VV18	60	3022VV20	61
10060DD16	75	15280VBL38W	36	2517DE06	93	3025DD08	72
10060DE16	97	1610DE04	93	2517VE18	87	3025DE08	94
10060VD44	70	1610DE05	93	2519VE20	87	3025VD20	67
10060VE44	91	1610VE10	86	2520DD06	72	3025VE20	87
10060VV44	64	1610VE12	86	2520DE06	93	3025VV20	61
10075VD44	70	1615DD04	72	2520DE08	93	3030DD08	72
10075VV44	64	1615DD05	72	2520GDD06	81	3030DE08	94
10083DP16	101	1615DE04	93	2520GDEG06	105	3030DP06	101
10083VP44	99	1615DE05	93	2520GVDG18	79	3030VD20	67
1008VD10	66	1615GVV510	77	2520GVDP18	79	3030VE20	87
1008VE10	86	1615VD10	66	2520GVEG18	103	3030VP14	99
1008VV10	60	1615VE10	86	2520GVEP18	103	3030VV20	61
10095VP31	99	1615VV10	60	2520GVVG18	77	3036DP06	101
10095VP44	99	1620DE04	93	2520GVVP18	77	3036VP14	99
1015GDD03	81	1620DE05	93	2520VD18	66	3040DD08	72
1015GDD04	81	1620VE10	86	2520VD20	66	3040DE08	94
1015GVD10	79	165100ZTD12M	34	2520VE18	87	3040VD20	67
1015GVV410	77	165100ZTV37M	33	2520VE20	87	3040VE20	87
10580DBL20H	37	1885VE18	86	2520VV18	60	3040VV20	61
10580DBL20M	37	1885VV16	60	2520VV20	60	4015VV23	61
10580DBL20W	37	2008VE18	86	2522DD08	72	4020DD08	72
10580DBLR20H	40	2008VV18	60	2522DE08	93	4020DE08	94
10580DBLR20M	40	2012VE18	86	2522VD20	66	4020DE10	94
10580DBLR20W	40	2015DD06	72	2522VE20	87	4020VD23	67
10580VBL38H	36	2015DE06	93	2522VV20	60	4020VD25	67
10580VBL38M	36	2015VD18	66	2525DD06	72	4020VE23	87
10580VBL38W	36	2015VE18	86	2525DE06	93	4020VE25	88
10580VBLR38H	39	2015VV18	60	2525DE08	93	4020VV23	61
10580VBLR38M	39	2019GDD06	81	2525VD18	66	4020VV25	61
10580VBLR38W	39	2019GVD18	79	2525VD20	66	4025DE10	94
10995CN20H	51	2019GVV18	77	2525VE18	87	4025VD25	67
10995CN20M	51	2020DD06	72	2525VV18	60	4025VE25	88





Fibet Ref:	Page	Fibet Ref:	Page	Fibet Ref:	Page	Fibet Ref:	Page
4025VV25	61	5020VE28	88	6040DE10	95	7030VD37	68
4027DE08	94	5020VV25	62	6040DE12	95	7030VE25	90
4027VE23	88	5021DE10	95	6040VD25	68	7030VE37	90
4028DD08	72	5021VE25	88	6040VD37	68	7030VV25	63
4028DD10	73	5025DD10	73	6040VE25	89	7030VV37	63
4028DE10	94	5025DE10	95	6040VE37	89	7035DD10	74
4028VD25	67	5025VD25	67	6040VV25	62	7035DD12	74
4028VE25	88	5025VE25	88	6040VV37	62	7035DE10	96
4028VV25	61	5025VV25	62	6045DD10	73	7035DE12	96
4030DD08	73	5030DD10	73	6045DD12	74	7035VD25	68
4030DD10	73	5030DE10	95	6045DE10	95	7035VD37	68
4030DE08	94	5030VD25	67	6045DE12	95	7035VE25	90
4030DE10	94	5030VE25	88	6045VD25	68	7035VE37	90
4030GDDG08	81	5030VV25	62	6045VD37	68	7035VV25	63
4030GDDP08	81	5033VV25	62	6045VE25	89	7035VV37	63
4030GDEG08	105	5035DD10	73	6045VE37	89	7040DD10	74
4030GVDP23	79	5035DE10	95	6045VV25	62	7040DD12	74
4030GVDP23	79	5035VD25	67	6045VV37	62	7040DE10	96
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4030VD23	67	5040DE10	95	6050VE37	89	7040VE25	90
4030VD25	67	5040VD25	67	6050VV37	63	7040VE37	90
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4030VE25	88	5040VV25	62	6051CN12M	47	7040VV37	63
4030VV23	61	5045DD10	73	6051CN12W	47	7045DD10	74
4030VV25	61	5045DE10	95	6051CNA12H	53	7045DD12	74
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4035DD10	73	5045VE25	89	6051CNA12W	53	7045DE12	96
4035DE08	94	5045VV25	62	6055DD12	74	7045VD25	69
4035DE10	94	5050DD10	73	6055DE12	95	7045VD37	69
4035VD23	67	5050DE10	95	6055VD37	68	7045VE25	90
4035VD25	67	5050DP08	101	6055VE37	89	7045VE37	90
4035VE23	88	5050DP10	101	6055VV37	63	7045VV25	63
4035VE25	88	5050VD25	68	6060DP12	101	7045VV37	63
4035VV23	61	5050VE25	89	6060GDD10	81	7050DBL12H	37
4035VV25	61	5050VP23	99	6060GDE10	105	7050DBL12M	37
4040DD08	73	5050VP25	99	6060GVD25	79	7050DBL12W	37
4040DD10	73	5050VV25	62	6060GVE25	103	7050DBL512H	37
4040DE08	94	5067DP08	101	6060GVV25	77	7050DBL512M	37
4040DE10	94	5067VP33	99	6060VP37	99	7050DBL512W	37
4040VD23	67	5822DE10	95	6535DD10	74	7050DBLR12H	40
4040VD25	67	5822VE25	89	6535DE10	96	7050DBLR12M	40
4040VE23	88	6025DE10	95	6535VD25	68	7050DBLR12W	40
4040VE25	88	6025VE25	89	6535VE25	89	7050DBLRS12H	40
4040VV23	61	6025VV25	62	6535VV25	63	7050DBLRS12M	40
4040VV25	62	6030VD25	68	6545DD10	74	7050DBLRS12W	40
4045DD10	73	6030VE37	89	6545DD12	74	7050DD10	74
4045DE10	95	6030VV25	62	6545DE12	96	7050DD12	74
4045VD25	67	6030VV37	62	6545VD37	68	7050DE10	96
4045VE25	88	6036DD10	73	6545VE37	89	7050DE12	96
4045VV25	62	6036DD12	73	6545VV37	63	7050VBL38H	36
4530DP08	101	6036DE10	95	6550DD12	74	7050VBL38M	36
4530VP23	99	6036DE12	95	6550DE12	96	7050VBL38W	36
4623CN08H	45	6036VD25	68	6550VD37	68	7050VBL538H	36
4623CN08M	45	6036VD37	68	6550VE37	89	7050VBL538M	36
4623CN08W	45	6036VE25	89	6550VV37	63	7050VBL538W	36
4830CN12/1H	46	6036VE37	89	7030DD10	74	7050VBLR38H	39
4830CN12/1M	46	6036VV25	62	7030DD12	74	7050VBLR38M	39
4830CN12/1W	46	6036VV37	62	7030DE10	96	7050VBLR38W	39
5015VE25	88	6040DD10	73	7030DE12	96	7050VBLRS38H	39
5020VD25	67	6040DD12	73	7030VD25	68	7050VBLRS38M	39





# Index

Fibet Ref:	Page	Fibet Ref:	Page	Fibet Ref:	Page	Fibet Ref:	Page
7050VBLRS38W	39	8030VV35	64	AMS4030VV16	83	CCFS1444816XW	26
7050VD25	69	8040DD14	75	AMS4030VV23	83	CCFS1505016H	26
7050VD37	69	8040DE14	97	AMS5020VV27	83	CCFS1505016M	26
7050VE25	90	8040VD35	69	AMS5030DD10	83	CCFS1505016W	26
7050VE37	90	8040VE35	91	AMS5030VD27	83	CFAB-0	15
7050VV25	63	8040VV35	64	AMS5030VV27	83	CFAB-2	15
7050VV37	63	8050DD12	75	CCF1063812H	18	CFAB-3	15
7060DD10	74	8050DD14	75	CCF1063812M	18	CFBMH1063812M	20
7060DD12	74	8050DE14	97	CCF1063812W	18	CFBMH1063812W	20
7060DE10	96	8050VD35	69	CCF1063816H	18	CFBMH1063816M	21
7060DE12	96	8050VD37	69	CCF1063816M	18	CFBMH1063816W	21
7060VD25	69	8050VE35	91	CCF1063816W	18	CFBMH1254316M	21
7060VD37	69	8050VV35	64	CCF1085016/5H	18	CFBMH1254316W	21
7060VE25	90	8060DD14	75	CCF1085016/5M	18	CFBMH1444816M	21
7060VE37	90	8060DE14	97	CCF1085016/5W	18	CFBMH1444816W	21
7060VV25	63	8060VD35	69	CCF603510H	17	CFBMH1605820M	21
7060VV37	63	8060VE35	91	CCF603510M	17	CFBMH1605820W	21
7070DD10	75	8060VV35	64	CCF603510W	17	CFBMH1806620M	21
7070DD12	75	8070DD14	75	CCF603512H	17	CFBMH1806620W	21
7070DE10	96	8070DE14	97	CCF603512M	17	CFBMH783010M	20
7070DE12	96	8070VD35	69	CCF603512W	17	CFBMH783010W	20
7070VD25	69	8070VE35	91	CCF623110H	17	CFBMH783012M	20
7070VD37	69	8070VV35	64	CCF623110M	17	CFBMH783012W	20
7070VE25	90	8080DD14	75	CCF623110W	17	CFBMH923510M	20
7070VE37	90	8080DE14	97	CCF623112H	17	CFBMH923510W	20
7070VV25	63	8080VD35	69	CCF623112M	17	CFBMH923512M	20
7070VV37	63	8080VE35	91	CCF623112W	17	CFBMH923512W	20
7525DE12	96	8080VV35	64	CCF773010H	17	CFBMS1505416M	26
7525VE37	90	8550DBL12H	37	CCF773010M	17	CFBMS1505416W	26
7525VV37	64	8550DBL12M	37	CCF773010W	17	CFBMS1808620M	26
7530VE37	90	8550DBL12W	37	CCF823510M	18	CFBMS1808620W	26
7540DD12	75	8550DBLR12H	40	CCF823510W	18	CFBMS1064212M	25
7540DE12	97	8550DBLR12M	40	CCF924512H	18	CFBMS1064212W	25
7540VD37	69	8550DBLR12W	40	CCF924512M	18	CFBMS1064216M	26
7540VE37	90	8550VBL38H	36	CCF924512W	18	CFBMS1064216W	26
7540VV37	64	8550VBL38M	36	CCFQ1045016H	23	CFBMS22010524M	26
7550DD12	75	8550VBL38W	36	CCFQ1045016M	23	CFBMS22010524W	26
7550DE12	97	8550VBLR38H	39	CCFQ1045016W	23	CFBMS633510M	25
7550VD37	69	8550VBLR38M	39	CCFQ1045016XH	23	CFBMS633510W	25
7550VE37	91	8550VBLR38W	39	CCFQ1045016XW	23	CFBMS633610M	25
7550VV37	64	9381CN16H	50	CCFQ1307020H	23	CFBMS633610W	25
7555DD12	75	9381CN16M	50	CCFQ1307020M	23	CFBMS833512M	25
7555DE12	97	9381CN16W	50	CCFQ1307020W	23	CFBMS833512W	25
7555VD37	69	AMS2515VV10	83	CCFQ1307020XH	23	CFBMS833510M	25
7555VE37	91	AMS2520DD06	83	CCFQ804012H	23	CFBMS833510W	25
7555VV37	64	AMS2520GDD06	84	CCFQ804012K	23	CFE623110H	13
7856CN16H	48	AMS2520GVD13	84	CCFQ804012M	23	CFE623110K	13
7856CN16M	48	AMS2520GVV13	84	CCFQ804012W	23	CFE623110M	13
7856CN16W	48	AMS2520VD10	83	CCFS1064212H	25	CFE623110W	13
7856CN20H	48	AMS2520VD13	83	CCFS1064212M	25	CFE623110XW	13
7856CN20M	48	AMS2520VV13	83	CCFS1064212W	25	CFE623112H	13
7856CN20W	48	AMS2525VV10	83	CCFS1064212XH	25	CFE623112K	13
7856CNA16H	54	AMS2820GVV13	84	CCFS1064216H	25	CFE623112M	13
7856CNA16K	54	AMS4030DD08	83	CCFS1064216M	25	CFE623112W	13
7856CNA16M	54	AMS4030GDDG08	84	CCFS1064216W	25	CGM3611H	124
7856CNA16W	54	AMS4030GDDP08	84	CCFS1064216XH	25	CGM3611M	124
7882CN20H	49	AMS4030GVVG23	84	CCFS1214216H	26	CGM3611W	124
7882CN20M	49	AMS4030GVDP23	84	CCFS1214216M	26	CGM3614H	124
7882CN20W	49	AMS4030GVVG16	84	CCFS1214216W	26	CGM3614M	124
8030DE14	97	AMS4030GVVG23	84	CCFS1444816H	26	CGM3614W	124
8030VD35	69	AMS4030GVVP16	84	CCFS1444816M	26	CGM5023H	124
8030VE35	91	AMS4030GVVP23	84	CCFS1444816W	26	CGM5023M	124





Fibet Ref:	Page	Fibet Ref:	Page	Fibet Ref:	Page	Fibet Ref:	Page
CGM5023W	124	FBNS1227.3842	112	FBNS2046.3542	117	FBNA1651.4454	108
CGM6017H	124	FBNS1227.5056	112	FBNS2046.4555	117	FBNA1738.3338	108
CGM6017M	124	FBNS1227.6068	112	FBNS2046.6067	117	FBNA1857.6072	108
CGM6017V	124	FBNS1228.3238	112	FBNS2049.5964	117	FBNA1857.7086M	108
CGM6023H	124	FBNS1228.4044	112	FBNS2050.7581	117	FBNA2866.5569	108
CGM6023M	124	FBNS1230.2130	112	FBNS2050.9095	117	FBNA3882.7090	108
CGM6023W	124	FBNS1230.2428	112	FBNS2052.4052	117	FBNA4082.7090	108
CGM6034M	124	FBNS1230.2430	112	FBNS2052.6060	117	FSMR6070H	58
CTC5050M	127	FBNS1230.2528	112	FBNS2052.6066	117	FSMR6070M	58
CTC5050W	127	FBNS1230.3944	112	FBNS2063.6672	118	FSMR6070W	58
CTC6050H	126	FBNS1232.3440	113	FBNS2247.7679	118	FSMR7280H	58
CTC6050M	126	FBNS1240.5866	113	FBNS2442.5055	118	FSMR7280M	58
CTC6050W	126	FBNS124180.230	120	FBNS2442.9096	118	FSMR7280W	58
CTC6562M	127	FBNS1242.7582	113	FBNS2444.4858	118	KIT12/12/95	28
CTC6562W	127	FBNS1252.4052	113	FBNS2444.7779	118	KIT12/16/105.5	28
CTC8973M	127	FBNS1327.3844	113	FBNS2450.6571	118	KIT16/16/110	28
CTC8973W	127	FBNS1427.4045	113	FBNS2450.7881	118	KIT20/20/135	28
FBF1230.2645	122	FBNS1427.5056	113	FBNS2450.9095	118	KIT-4023VVTC20	133
FBF1230.3147	122	FBNS1429.3244	113	FBNS2452.5966	118	KIT-4430VVTC20	133
FBF1640.2835	122	FBNS1430.2528	113	FBNS2455.5565	118	SEM-10027/1H	31
FBF1640.2843	122	FBNS1430.2530	113	FBNS2550.6267	118	SEM-10027/1M	31
FBF1640.3340	122	FBNS1430.3344	113	FBNS2550.6567	119	SEM-10027/1W	31
FBF1646.3240	122	FBNS1430.3842	113	FBNS2555.8993	119	SEM-10027H	31
FBF1659.1640	131	FBNS1430.3944	114	FBNS2848.6066	119	SEM-10027M	31
FBF1659.1640W	131	FBNS1430.4451	114	FBNS2860.4050	119	SEM-10027W	31
FBF2059.1640	131	FBNS1430.4549	114	FBNS2860.6580	119	SEM-11435RH	31
FBF2059.1640W	131	FBNS1430.6370	114	FBNS2860.7275	119	SEM-11435RM	31
FBF2952.2332	122	FBNS1430.8692	114	FBNS2863.6672	119	SEM-11435RW	31
FBF2952.3342	122	FBNS1432.3846	114	FBNS3055.8994	119	SEM-6420H	31
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FBF3252.3342	122	FBNS1432.5862	114	FBNS3060.5055	119	SEM-6420W	31
FBF3757.3242	122	FBNS1432.6066	114	FBNS3060.6068	119	SEM-8525/1H	31
FBFN1640.3341	122	FBNS1440.6070	114	FBNS3063.6672	119	SEM-8525/1M	31
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FBNS0820.1517	110	FBNS1632.2832	115	FBNS3559.102111	120	SEM-8525W	31
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FBNS0822.2023	110	FBNS1632.6066	115	FBNS4066.8696	120	SG60	135
FBNS0832.3440	110	FBNS1632.6069	115	FBNS5080.100110	120	SW150KMG	42
FBNS100140.120	120	FBNS1633.5059	115	FBNS60110.120	120	SW150WKG	42
FBNS1022.1517	110	FBNS1633.6066	115	FBNS80140.120	120	SW174KG	42
FBNS1022.1519	110	FBNS1635.5862	115	FBNS80140.180	120	SW174MG	42
FBNS1022.2023	110	FBNS1636.3038	115	FBNS86150.200	120	SWR150H	43
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FBNS1022.3033	110	FBNS1636.6570	115	FBNA0921.1922	107	SWR150W	43
FBNS1024.1822	110	FBNS1638.6072P	115	FBNA1022.1517	107	T3027M	129
FBNS1024.1824	111	FBNS1640.3543	116	FBNA1025.3541	107	T3027W	129
FBNS1027.1722	111	FBNS1645.7582	116	FBNA1032.1520	107	T5137K	129
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FBNS1030.4549	111	FBNS1646.6082	116	FBNA1225.2528	107	T6344K	129
FBNS110160.180	120	FBNS1834.3236	116	FBNA1230.3434	107	TE-3074H	56
FBNS1125.5154	111	FBNS1834.6571	116	FBNA1230.3444	107	TE-3074M	56
FBNS1224.3538	111	FBNS1842.3538	116	FBNA1230.3640	107	TE-3074W	56
FBNS1225.2024	111	FBNS1842.3542	116	FBNA1234.3541	107	ZAL12040V120	137
FBNS1225.3538	111	FBNS1846.6067	116	FBNA1250.5062M	107	ZAL16050V170	137
FBNS1225.5054	111	FBNS2038.3538	116	FBNA1274.4566	107	ZAL20060V170	137
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FBNS1226.3234	112	FBNS2045.5562	117	FBNA1650.6082	108		
FBNS1227.1824	112	FBNS2045.5962	117	FBNA1651.3847	108		





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