

Evolo series

EVOLVO 600 SERIES

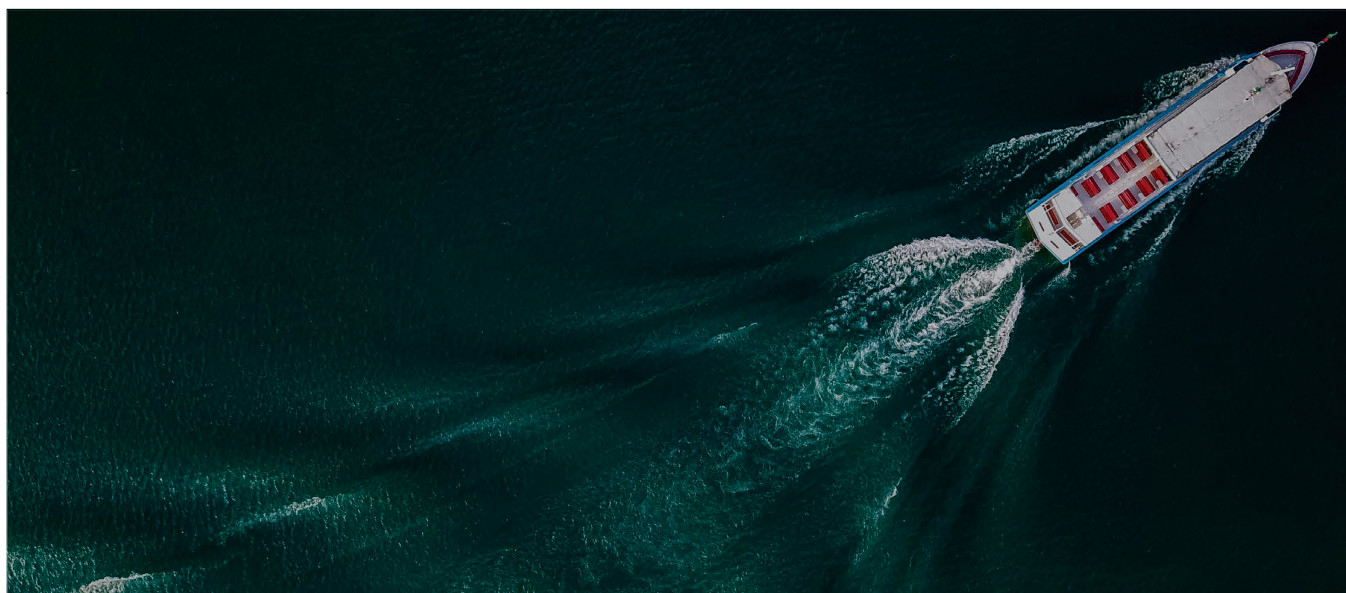
As a leading vibration isolation specialist, Trelleborg Antivibration Solutions has developed a wide range of heavy duty conical vibration isolators: the Evolo 600 series. Designed for heavy marine and machinery applications, these isolators ensure an optimal solution under the most demanding circumstances.

Developed using carefully selected materials and expert knowledge in polymer engineering, our extensive range of antivibration mounts have been carefully designed to remove unwanted vibration and noise for key industries across the globe. With over 100 years experience in delivering the highest quality products to market, you can be confident that we'll deliver a solution that you can rely on.

All isolators in the Evolo 600 series are made of high-quality natural rubber and capable of handle both vertical and horizontal forces. Each isolator is available in various types and stiffness grades. Characterized by high maximum marine loads, various type approvals, and easy installation, Evolo vibration isolators offer the best value for money.

CHARACTERISTICS

- High level of vibration and sound isolation
- Suitable for a range of applications
- Easily fitted



Evolo 611 Grade A-D

APPLICATION

Optimum vibration isolation for a wide range of applications.
For smaller, light-weighted equipment that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pumps, small diesel engines, compressor units, ventilators, measuring equipment, etc.

MATERIAL

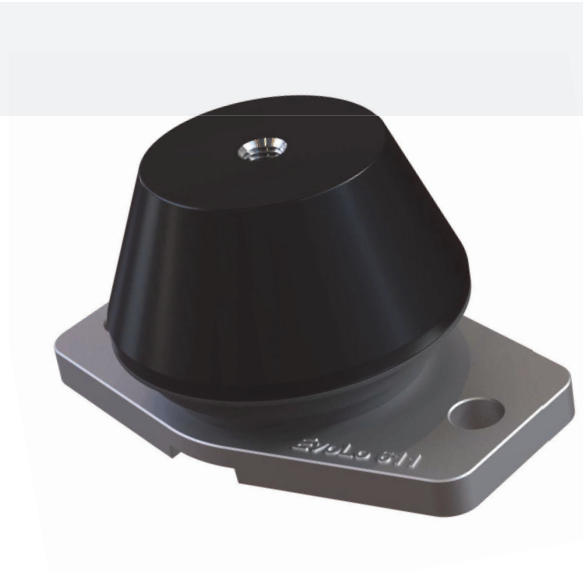
Rubber part: Highest quality natural rubber
Metal: Aluminum

IDENTIFICATION

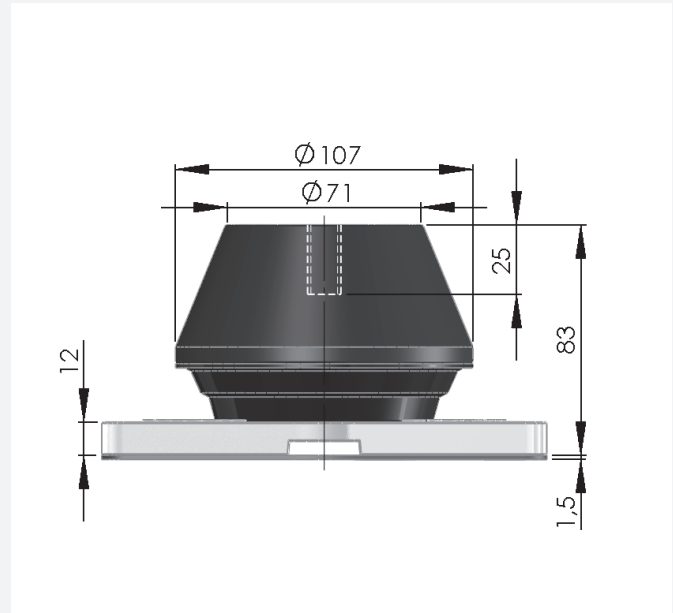
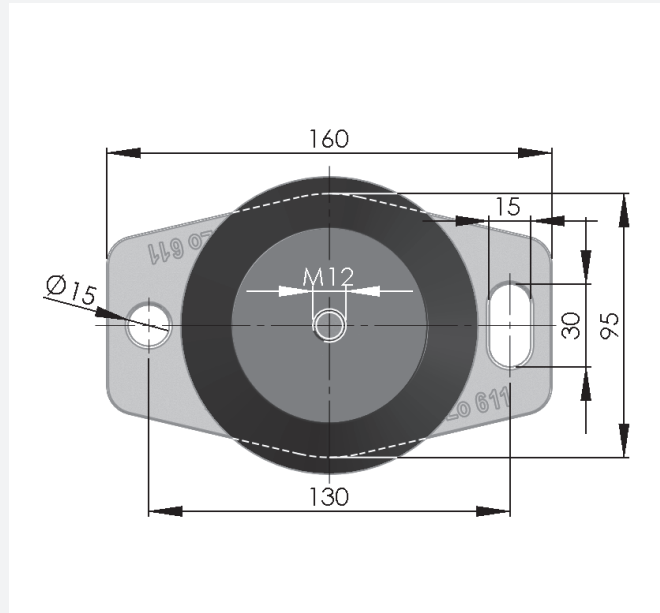
The type is marked in the mounting plate

ADVANTAGES

- Approved by Lloyd's Register
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 50 and 400 kg
- Stock item.



TECHNICAL DRAWING

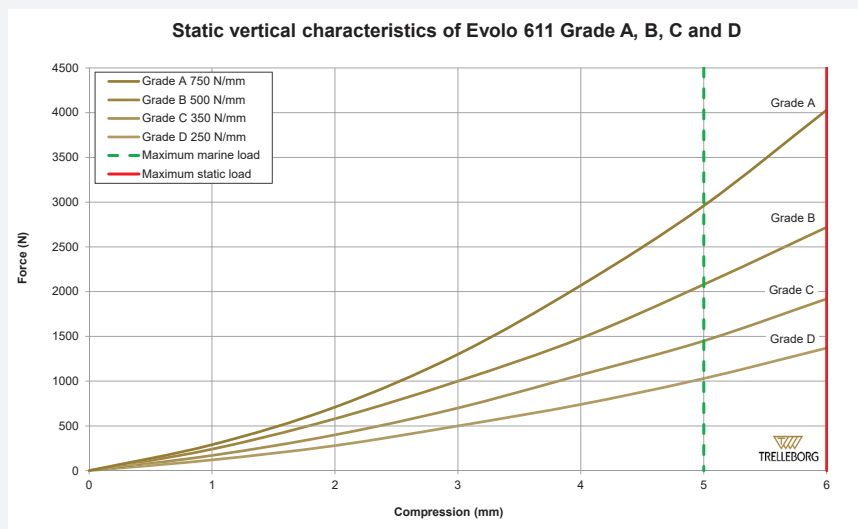


Evolo 611 Grade A-D

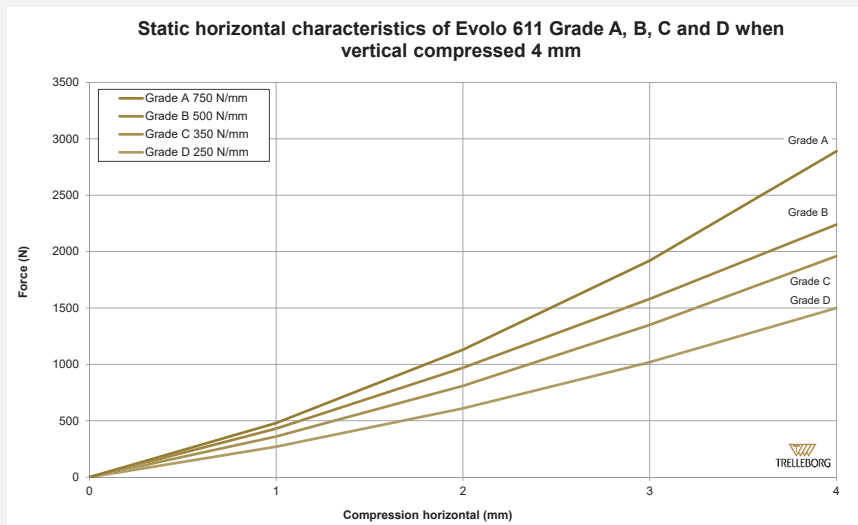
TECHNICAL DATA

ARTICLE NO.	GRADE	MAXIMUM LOAD
1030611A0	A	4000 N
1030611B0	B	2750 N
1030611C0	C	1900 N
1030611D0	D	1300 N

STATIC VERTICAL CHARACTERISTICS



HORIZONTAL CHARACTERISTICS WHEN PRECOMPRESSED 4 MM



EVOLO 611 Height Adjustable: GRADE A-D

APPLICATION

Optimum vibration isolation for a wide range of applications.

For smaller, light-weighted equipment that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pumps, small diesel engines, compressor units, ventilators, measuring equipment, etc.

MATERIAL

Rubber part: Highest quality natural rubber

Metal: Aluminum/Steel

IDENTIFICATION

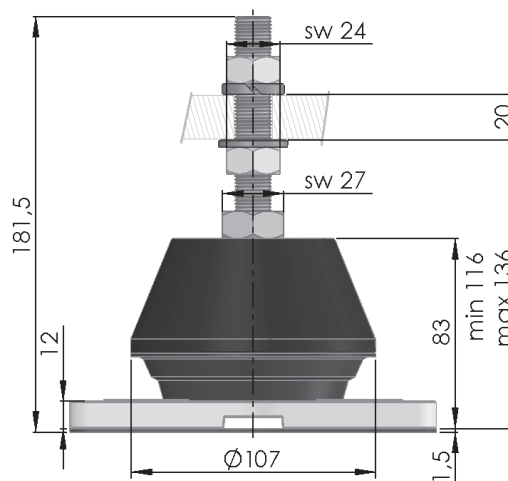
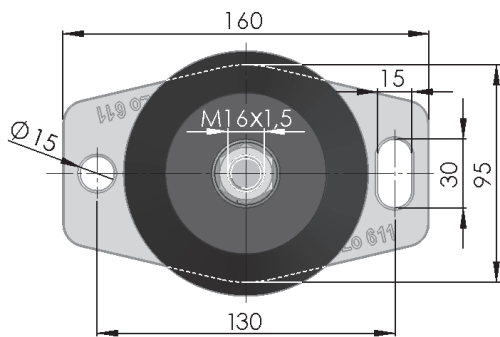
The type is marked in the mounting plate.

ADVANTAGES

- Approved by Lloyd's Register
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 50 and 400 kg
- Stock item



TECHNICAL DRAWING

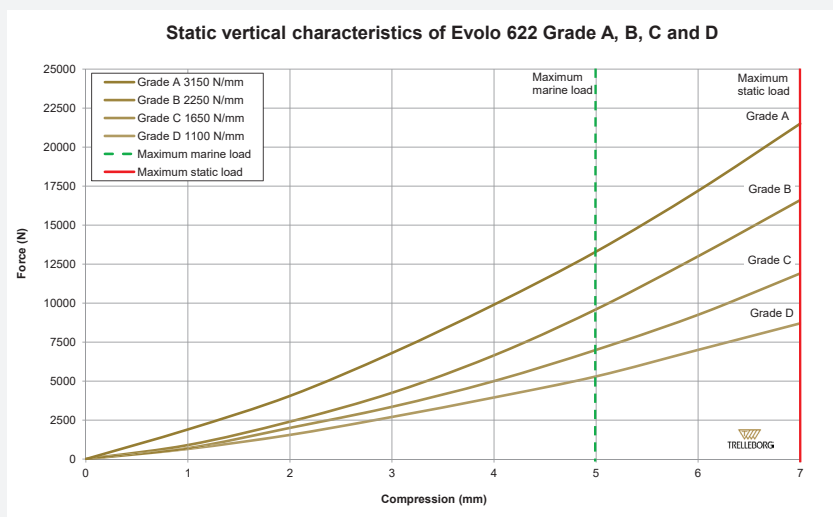


EVOLO 611 Height Adjustable GRADE A-D

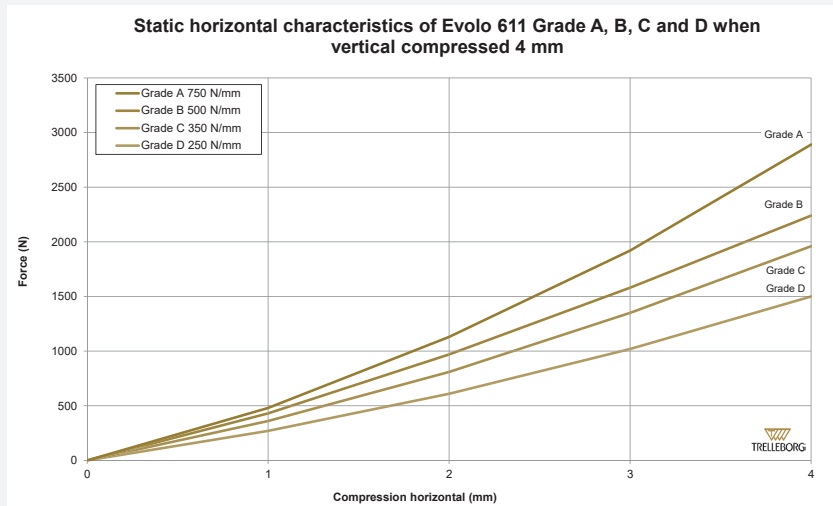
TECHNICAL DATA

ARTICLE NO. WITH HEIGHT ADJUSTMENT	GRADE	MAXIMUM LOAD
1030611A1	A	4000 N
1030611B1	B	2750 N
1030611C1	C	1900 N
1030611D1	D	1300 N

STATIC VERTICAL CHARACTERISTICS



HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 4 MM



EVOLO 622 GRADE A-H

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, medium-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pumps, diesel engines, compressor units, ventilators, measuring equipment, small deck houses, cabins, cooling units, etc.

MATERIAL

Rubber part: Highest quality natural rubber
Metal: Aluminum/Steel

IDENTIFICATION

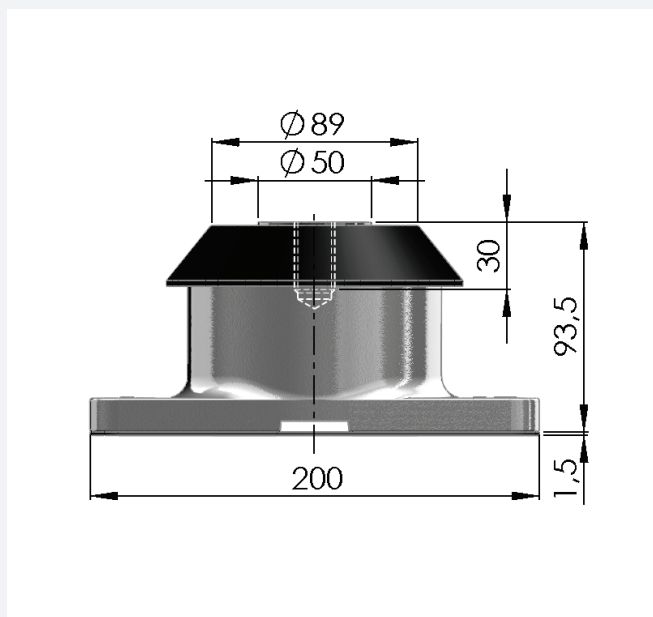
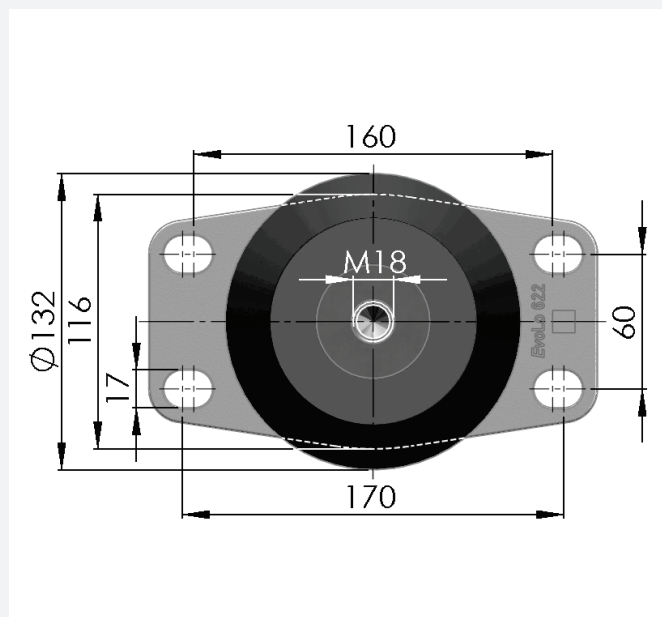
The type is marked in the mounting plate.

ADVANTAGES

- Approved by Lloyd's Register
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 50 and 2200 kg
- Stock item



TECHNICAL DRAWING

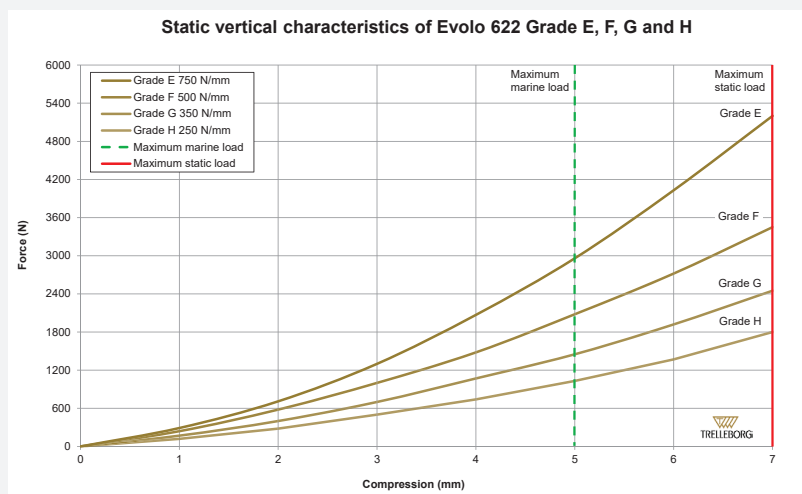
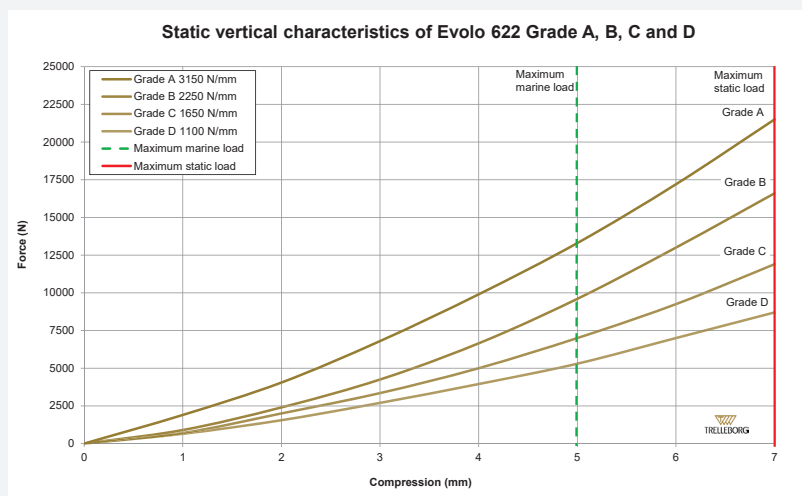


EVOLO 622 GRADE A-H

TECHNICAL DATA

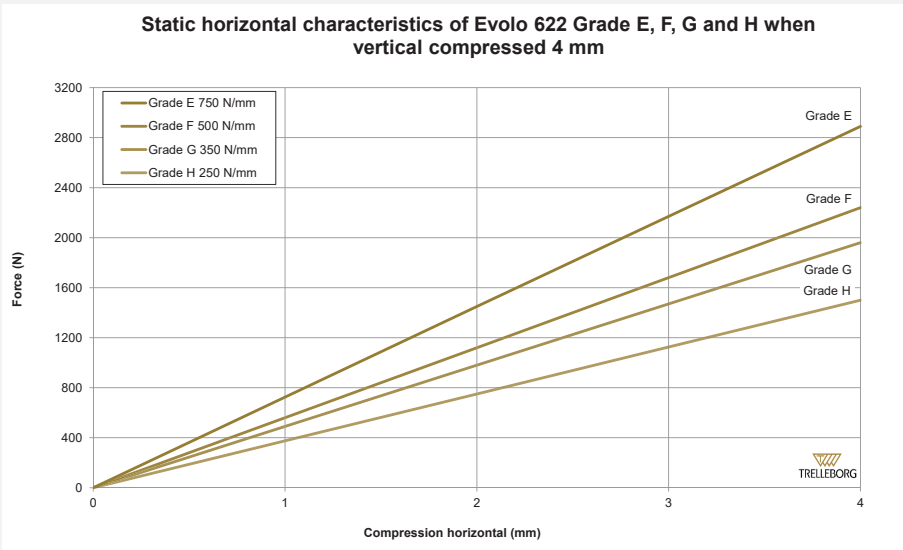
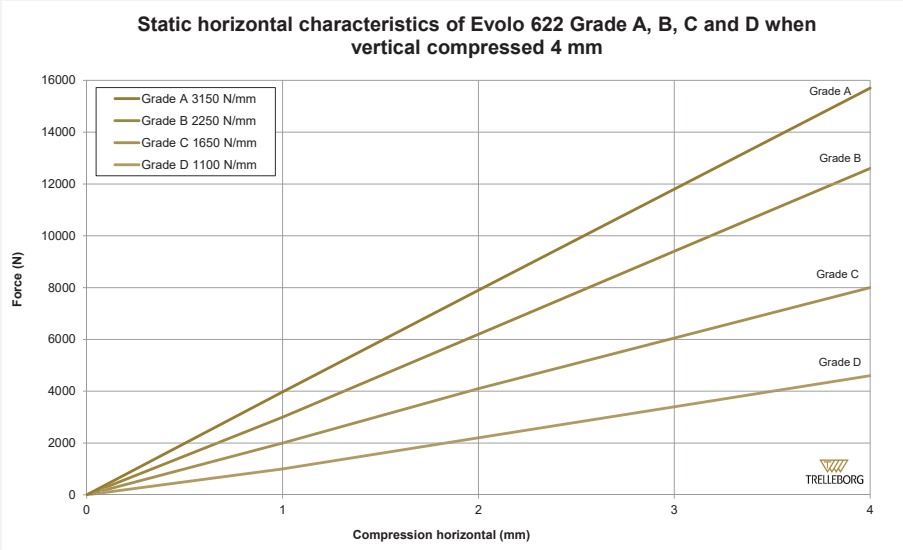
ARTICLE NO.	GRADE	MAXIMUM LOAD
1030622A0	A	22000 N
1030622B0	B	16500 N
1030622C0	C	12000 N
1030622D0	D	8500 N
1030622E0	E	4000 N
1030622F0	F	2750 N
1030622G0	G	1900 N
1030622H0	H	1300 N

STATIC VERTICAL CHARACTERISTICS



EVOLO 622 GRADE A-H

HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 4 MM



EVOLO 622 HEIGHT ADJUSTABLE GRADE A-H

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, medium-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pumps, diesel engines, compressor units, ventilators, measuring equipment, small deck houses, cabins, cooling units, etc.

MATERIAL

Rubber part: Highest quality natural rubber
Metal: Aluminum/Steel

IDENTIFICATION

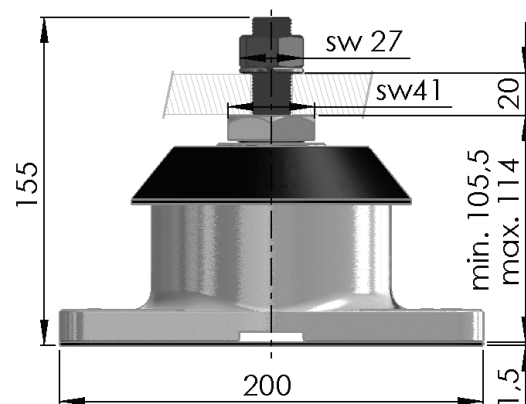
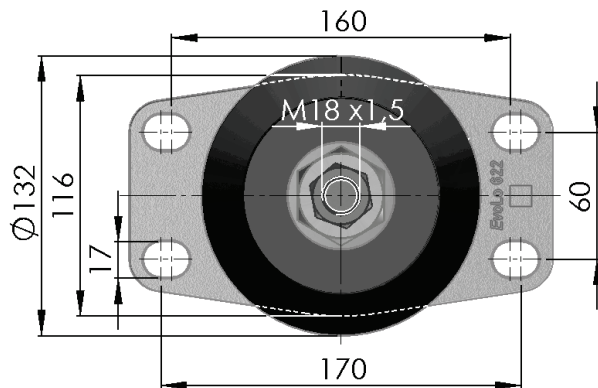
The type is marked in the mounting plate.

ADVANTAGES

- Approved by Lloyd's Register
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 50 and 2200 kg
- Stock item



TECHNICAL DRAWING

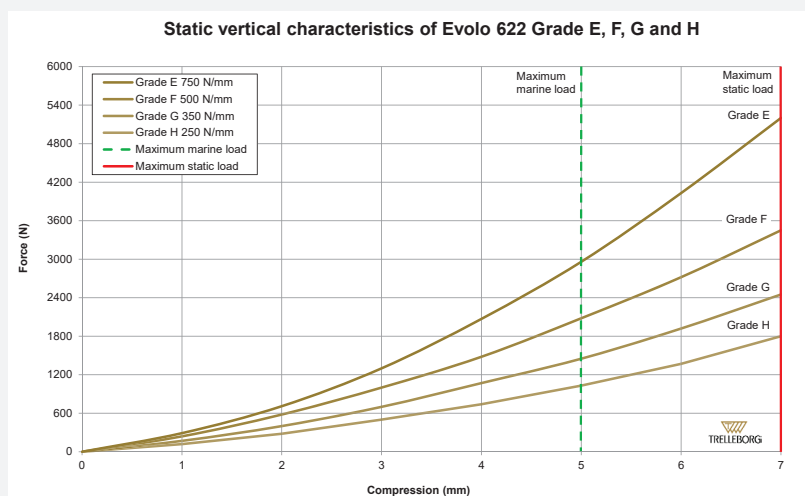
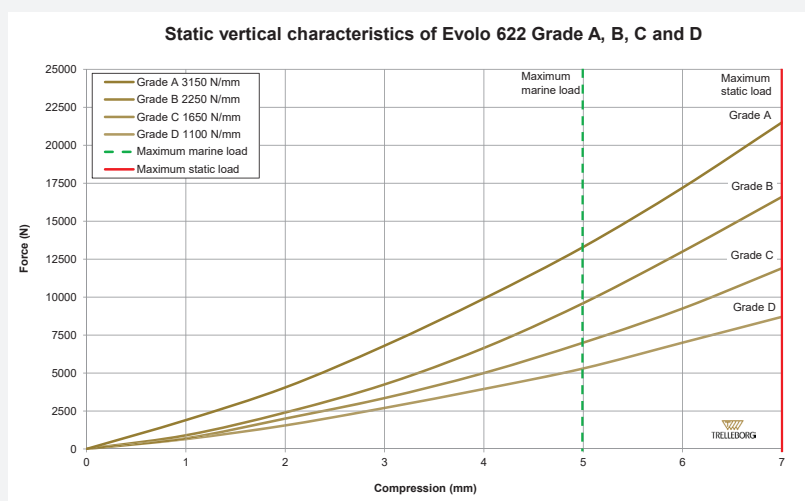


EVOLO 622 HEIGHT ADJUSTABLE GRADE A-H

TECHNICAL DATA

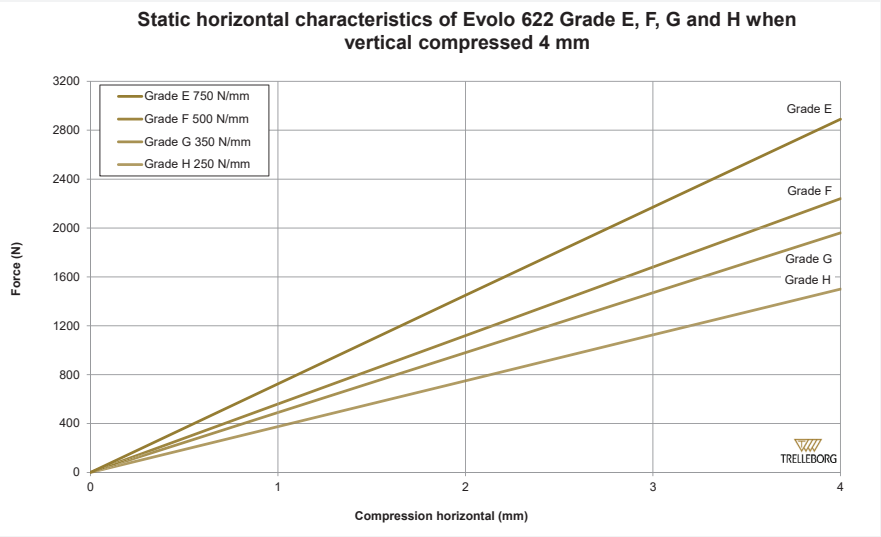
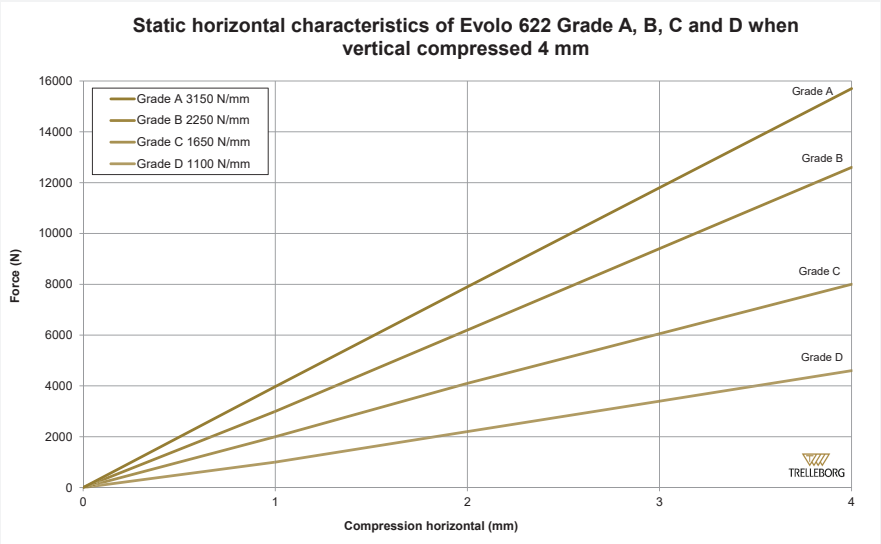
ARTICLE NO. WITH HEIGHT ADJUSTMENT	GRADE	MAXIMUM LOAD
1030622A1	A	22000 N
1030622B1	B	16500 N
1030622C1	C	12000 N
1030622D1	D	8500 N
1030622E1	E	4000 N
1030622F1	F	2750 N
1030622G1	G	1900 N
1030622H1	H	1300 N

STATIC VERTICAL CHARACTERISTICS



EVOLO 622 HEIGHT ADJUSTABLE GRADE A-H

HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 4 MM



EVOLO 631 GRADE A-F

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, heavy-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pump units, large diesel engines, compressor/cooling units, gearboxes, windmills, deck house mountings, control cabins.

MATERIAL

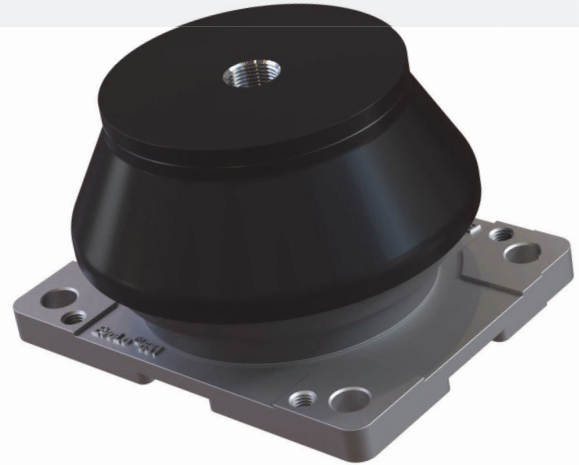
Rubber part: Highest quality natural rubber
Metal: Aluminum

IDENTIFICATION

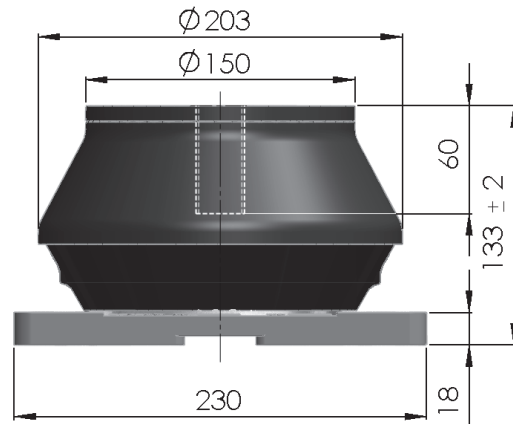
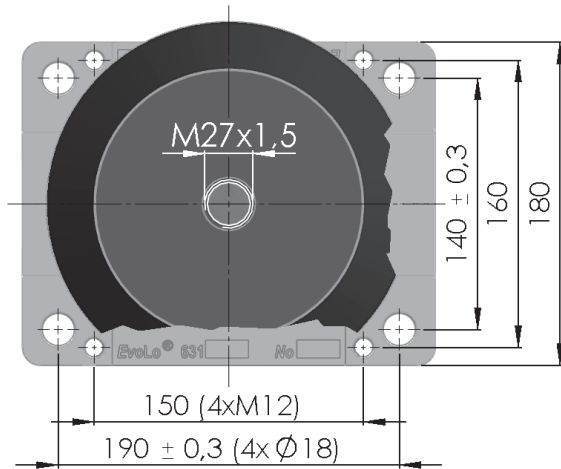
The type is marked in the mounting plate.

ADVANTAGES

- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 1000 and 6000 kg
- Stock item



TECHNICAL DRAWING

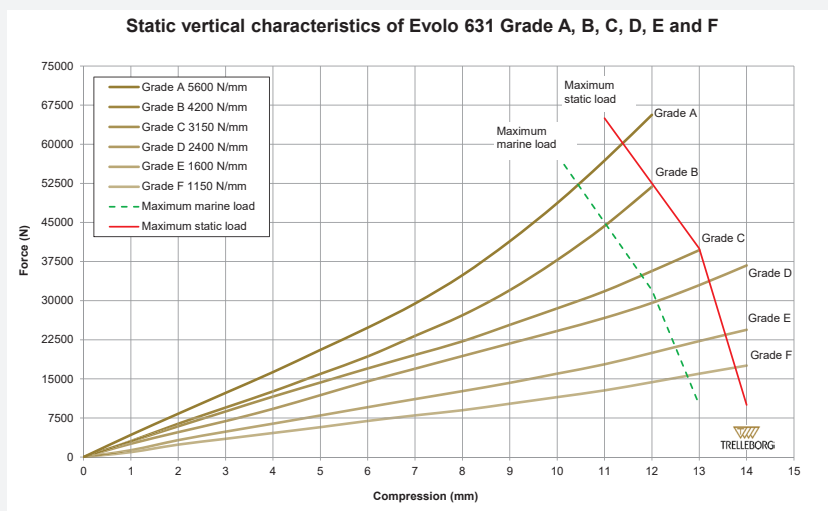


EVOLO 631 GRADE A-F

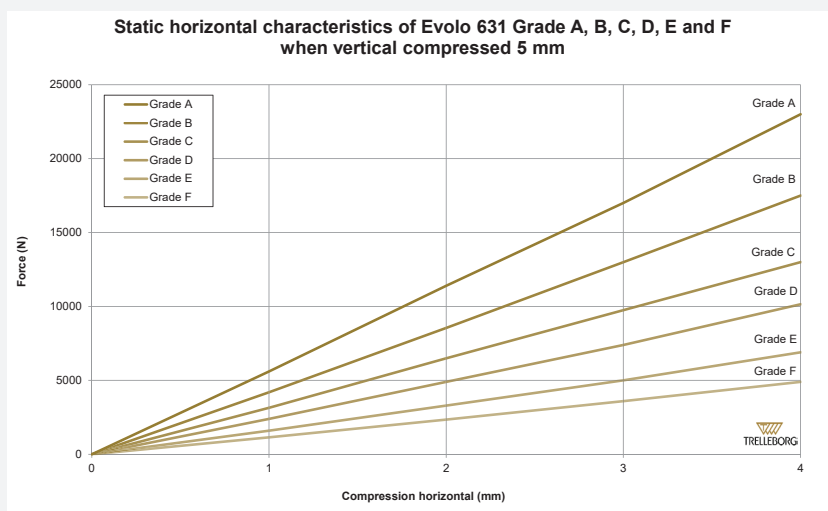
TECHNICAL DATA

ARTICLE NO.	GRADE	MAXIMUM LOAD
1030631A0	A	60 kN
1030631B0	B	50 kN
1030631C0	C	40 kN
1030631D0	D	33 kN
1030631E0	E	23 kN
1030631F0	F	17 kN

STATIC VERTICAL CHARACTERISTICS



HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 5 MM



EVOLO 631 GRADE AA-AC

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, heavy-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pump units, large diesel engines, compressor/cooling units, gearboxes, windmills, deck house mountings, control cabins.

MATERIAL

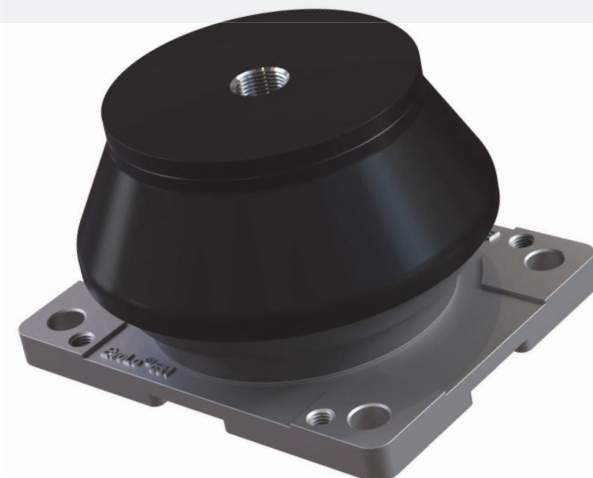
Rubber part: Highest quality natural rubber
Metal: Aluminum

IDENTIFICATION

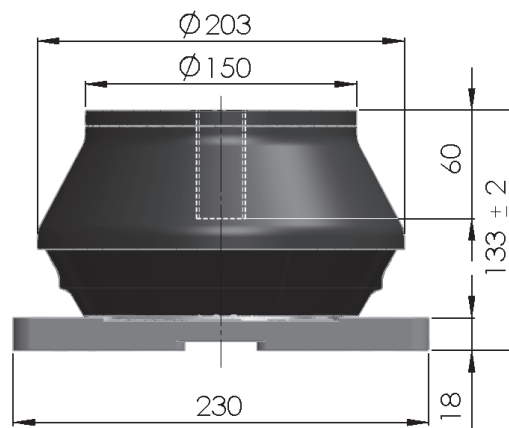
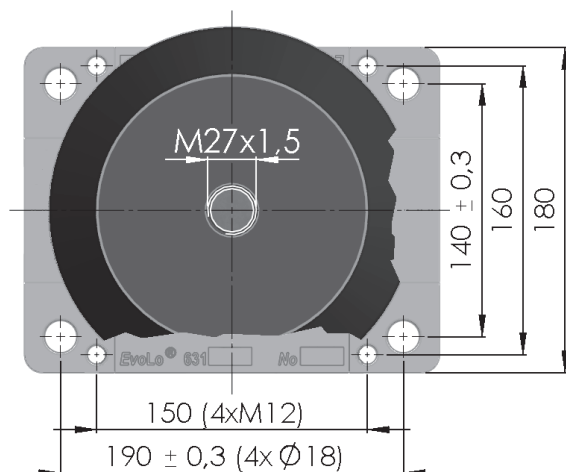
The type is marked in the mounting plate.

ADVANTAGES

- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 1000 and 6000 kg
- Stock item



TECHNICAL DRAWING

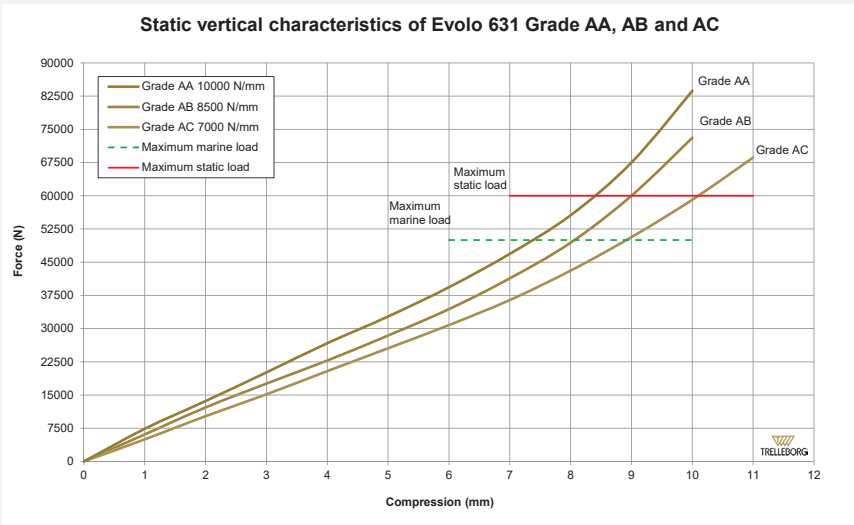


EVOLO 631 GRADE AA-AC

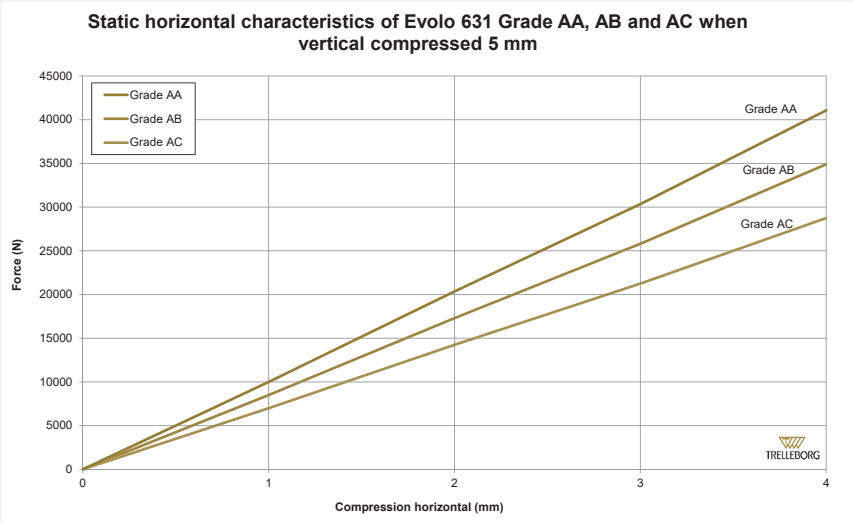
TECHNICAL DATA

ARTICLE NO.	GRADE	MAXIMUM LOAD
103631AA0	AA	60 kN
103631AB0	AB	60 kN
103631AC0	AC	60 kN

STATIC VERTICAL CHARACTERISTICS



HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 5 MM



EVOLO 631 HEIGHT ADJUSTABLE GRADE A-F

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, heavy-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pump units, large diesel engines, compressor/cooling units, gearboxes, windmills, deck house mountings, control cabins.

MATERIAL

Rubber part: Highest quality natural rubber
Metal: Aluminum/Steel

IDENTIFICATION

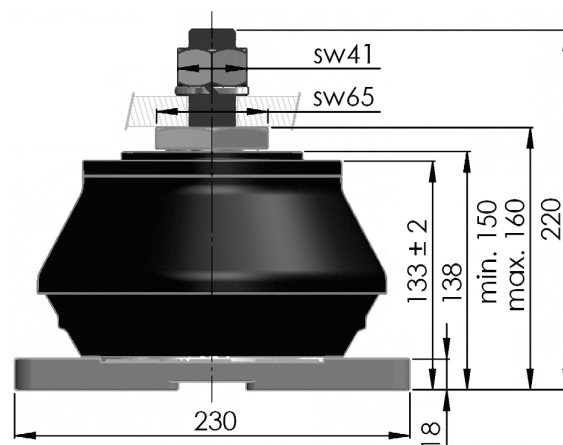
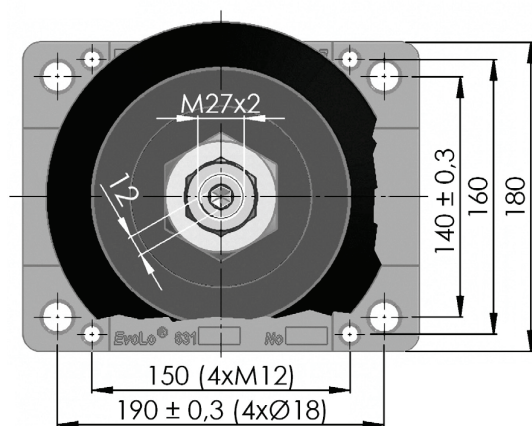
The type is marked in the mounting plate.

ADVANTAGES

- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 1000 and 6000 kg
- Stock item



TECHNICAL DRAWING

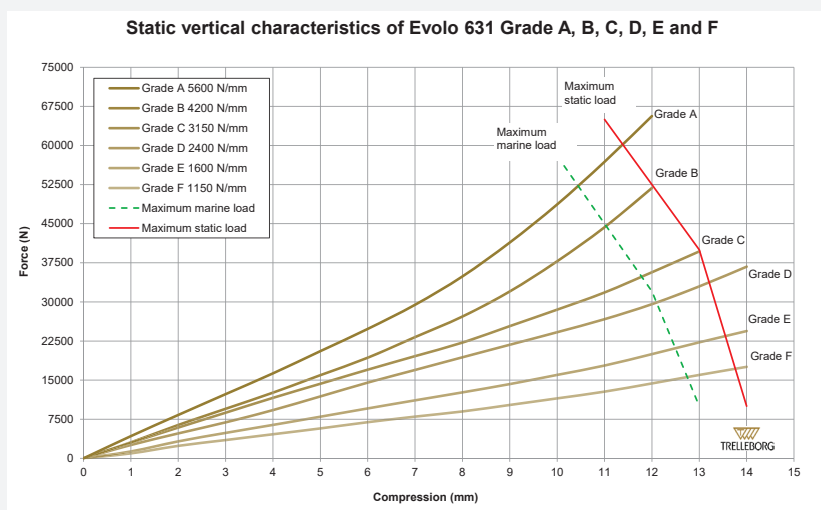


EVOLO 631 HEIGHT ADJUSTABLE GRADE A-F

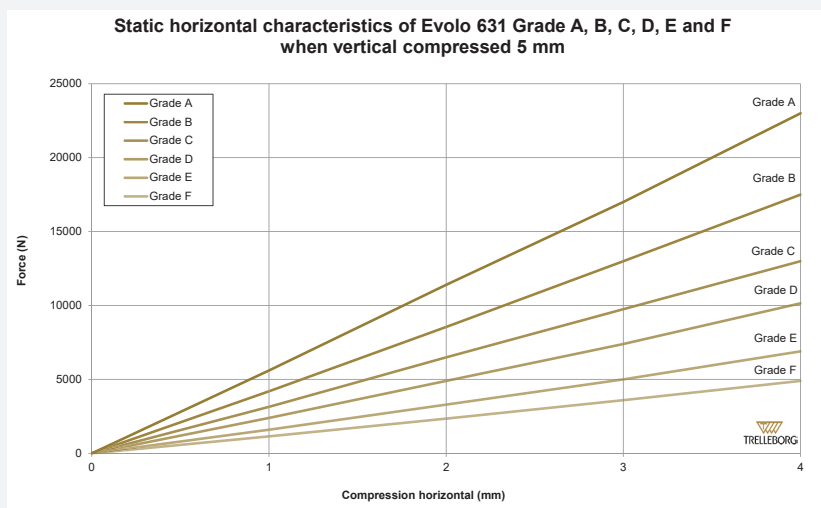
TECHNICAL DATA

ARTICLE NO. WITH HEIGHT ADJUSTMENT	GRADE	MAXIMUM LOAD
1030631A1	A	60 kN
1030631B1	B	50 kN
1030631C1	C	40 kN
1030631D1	D	33 kN
1030631E1	E	23 kN
1030631F1	F	17 kN

STATIC VERTICAL CHARACTERISTICS



HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 5 MM



EVOLO 631 HEIGHT ADJUSTABLE GRADE AA-AC

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, heavy-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pump units, large diesel engines, compressor/cooling units, gearboxes, windmills, deck house mountings, control cabins.

MATERIAL

Rubber part: Highest quality natural rubber
Metal: Aluminum/Steel

IDENTIFICATION

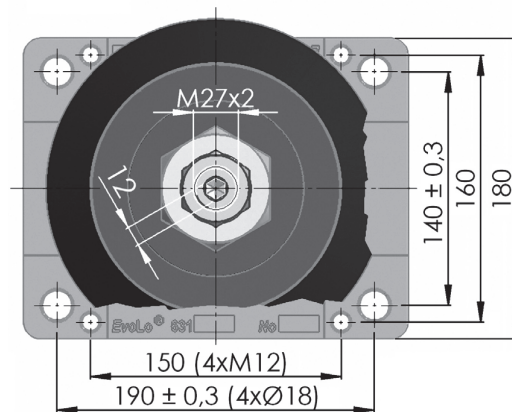
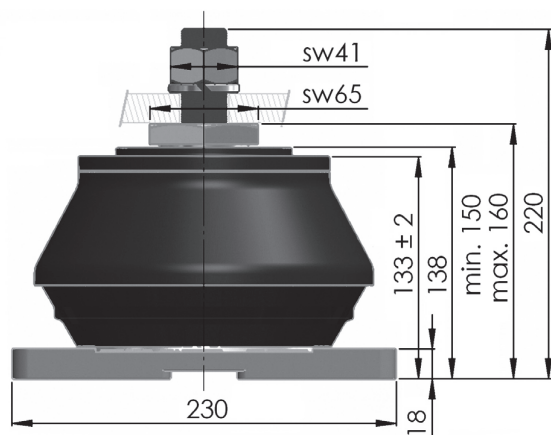
The type is marked in the mounting plate.

ADVANTAGES

- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 1000 and 6000 kg
- Stock item



TECHNICAL DRAWING

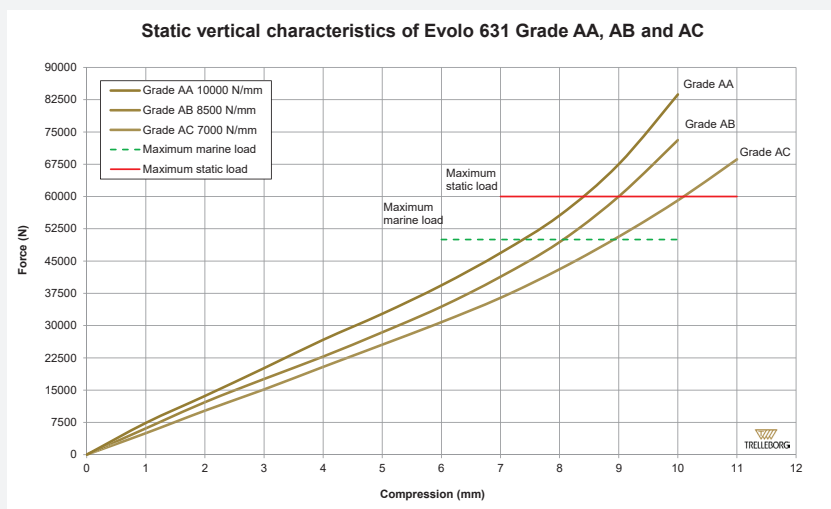


EVOLO 631 HEIGHT ADJUSTABLE GRADE AA-AC

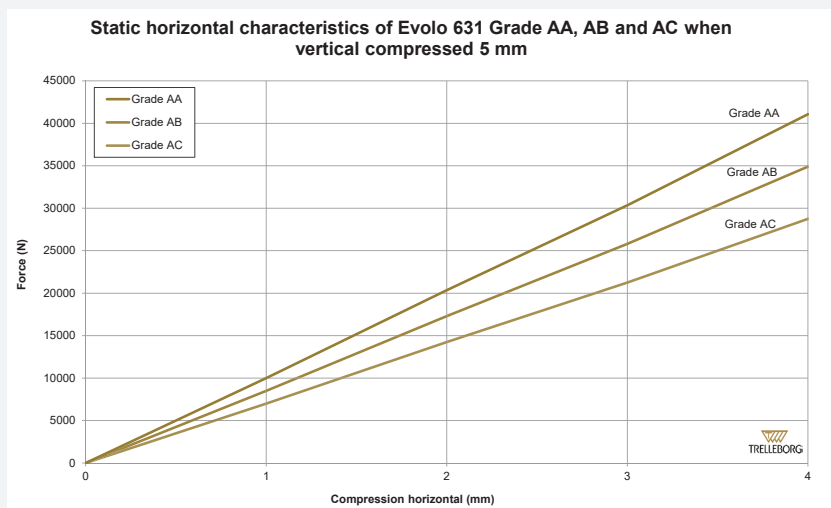
TECHNICAL DATA

ARTICLE NO. WITH HEIGHT ADJUSTMENT	GRADE	MAXIMUM LOAD
103631AA1	AA	60 kN
103631AB1	AB	60 kN
103631AC1	AC	60 kN

STATIC VERTICAL CHARACTERISTICS



HORIZONTAL CHARACTERISTICS WHEN PRECOMPRESSED 5 MM



EVOLO 631 DIVIDED SPINDLE GRADE A-F

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, heavy-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pump units, large diesel engines, compressor/cooling units, gear boxes, windmills, deck house mountings, control cabins.

MATERIAL

Rubber part: Highest quality natural rubber
Metal: Aluminum/Steel

IDENTIFICATION

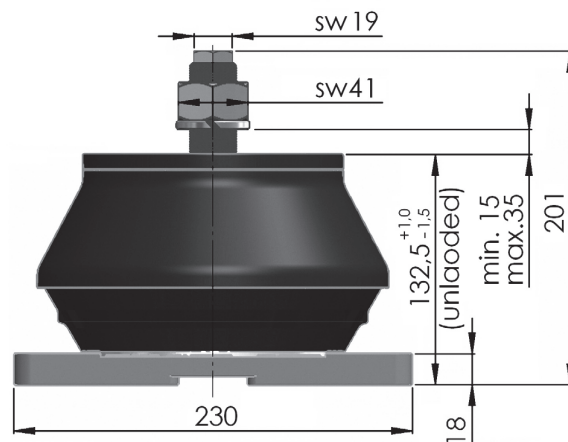
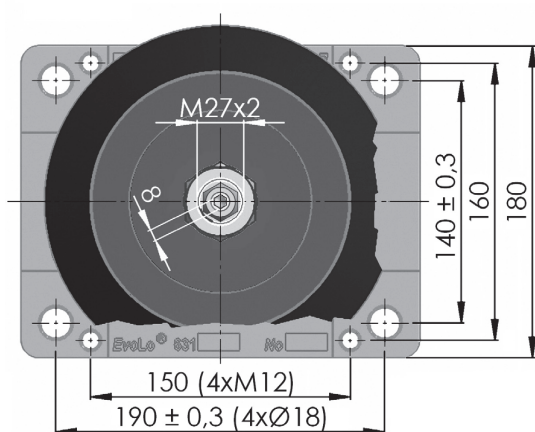
The type is marked in the mounting plate.

ADVANTAGES

- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 1000 and 6000 kg
- Stock item



TECHNICAL DRAWING

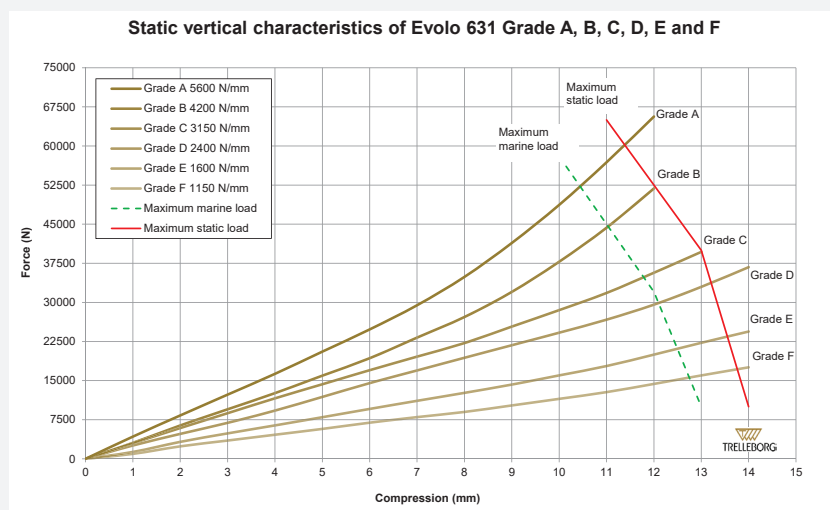


EVOLO 631 DIVIDED SPINDLE GRADE A-F

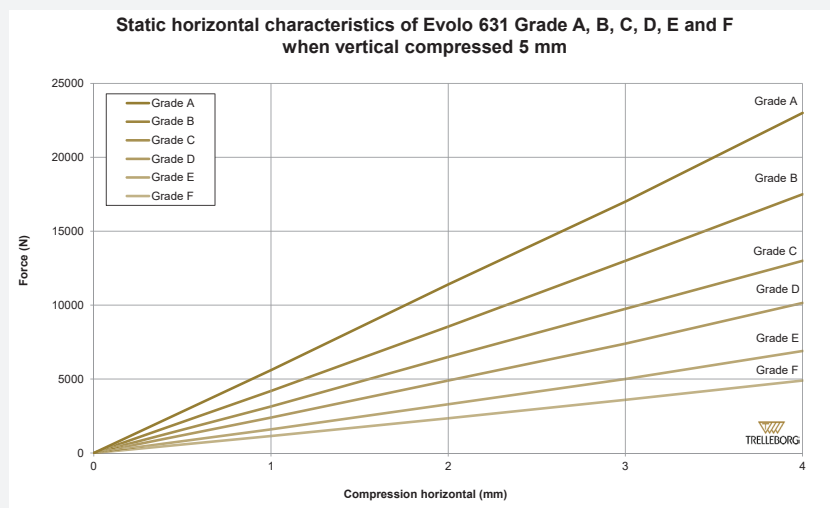
TECHNICAL DATA

ARTICLE NO.	GRADE	MAXIMUM LOAD
1030631A4	A	60 kN
1030631B4	B	50 kN
1030631C4	C	40 kN
1030631D4	D	33 kN
1030631E4	E	23 kN
1030631F4	F	17 kN

STATIC VERTICAL CHARACTERISTICS



HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 5 MM



EVOLO 631 DIVIDED SPINDLE GRADE AA-AC

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, heavy-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as generator sets, pump units, large diesel engines, compressor/cooling units, gear boxes, windmills, deck house mountings, control cabins.

MATERIAL

Rubber part: Highest quality natural rubber
Metal: Aluminum/Steel

IDENTIFICATION

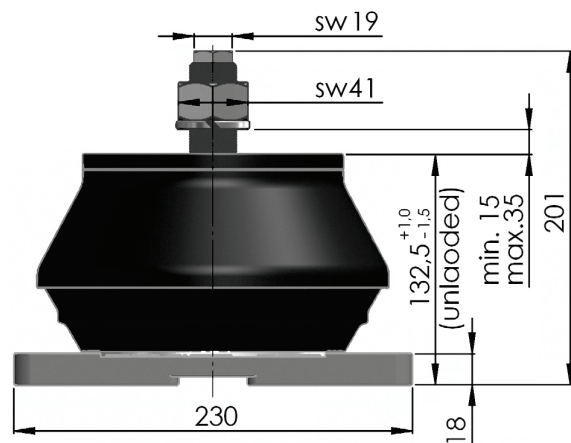
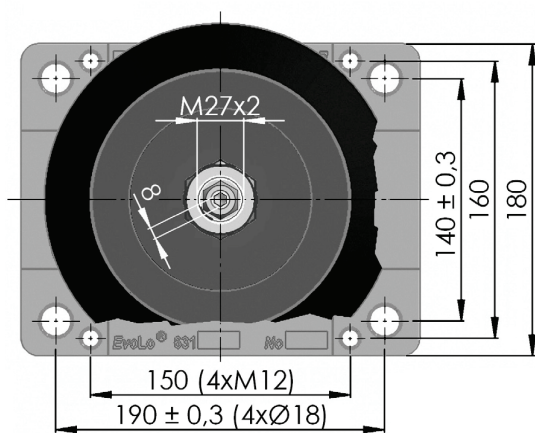
The type is marked in the mounting plate.

ADVANTAGES

- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- Stock item



TECHNICAL DRAWING

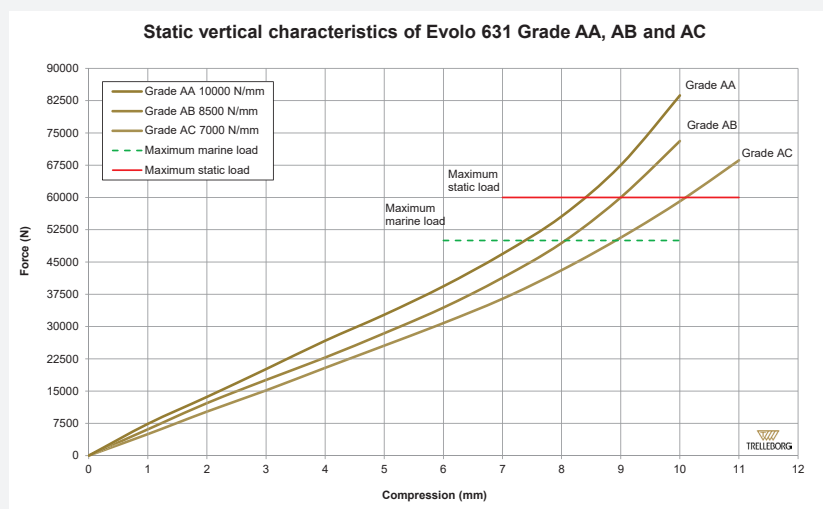


EVOLO 631 DIVIDED SPINDLE GRADE AA-AC

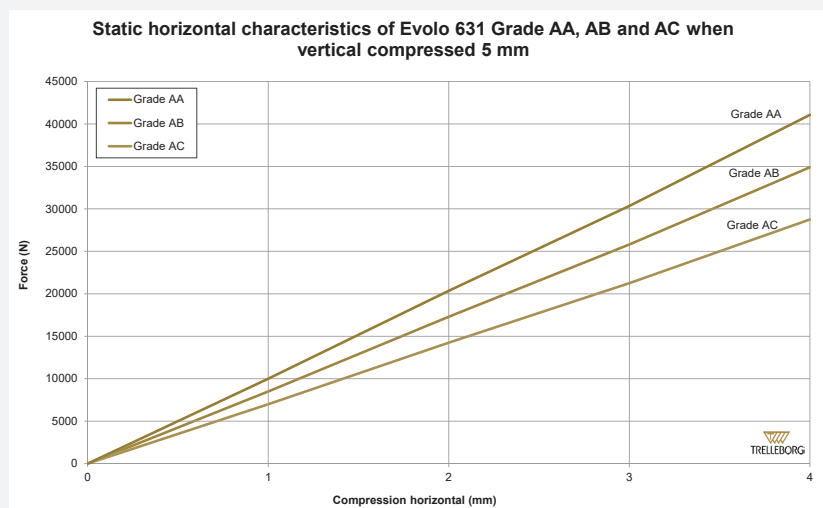
TECHNICAL DATA

ARTICLE NO.	GRADE	MAXIMUM LOAD
103631AA4	AA	60 kN
103631AB4	AB	60 kN
103631AC4	AC	60 kN

STATIC VERTICAL CHARACTERISTICS



HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 5 MM



EVOLO 633 GRADE A1-H

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, heavy-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as large generator sets, pump units, large diesel engines, compressor/cooling units, gearboxes, windmills, deck house mountings, control cabins.

MATERIAL

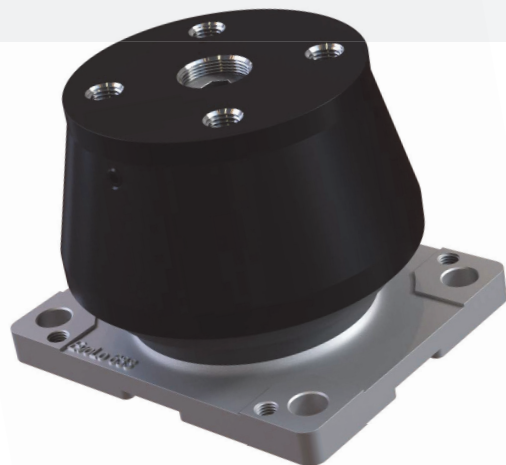
Rubber part: Highest quality natural rubber
Metal: Aluminum/Steel

IDENTIFICATION

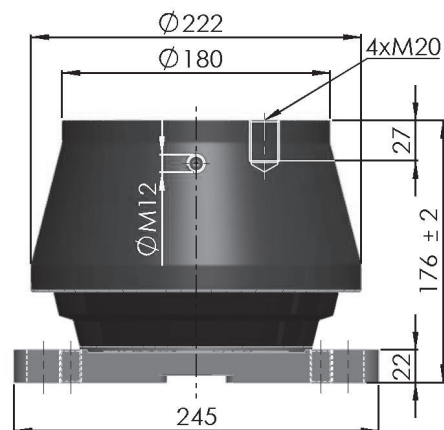
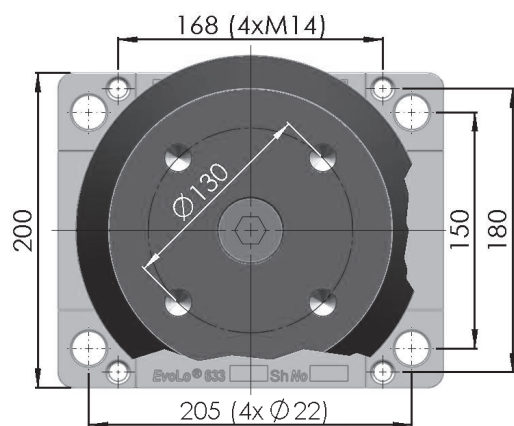
The type is marked in the mounting plate.

ADVANTAGES

- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- For loads between 2750 and 12.000 kg
- Stock item



TECHNICAL DRAWING

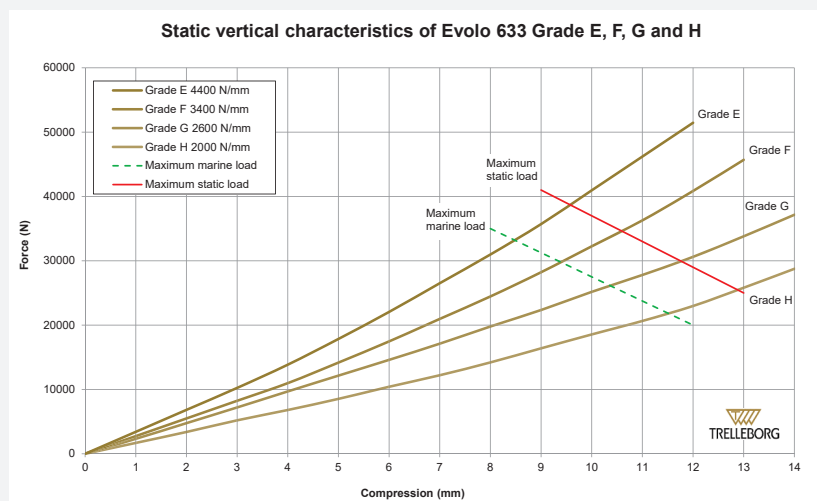
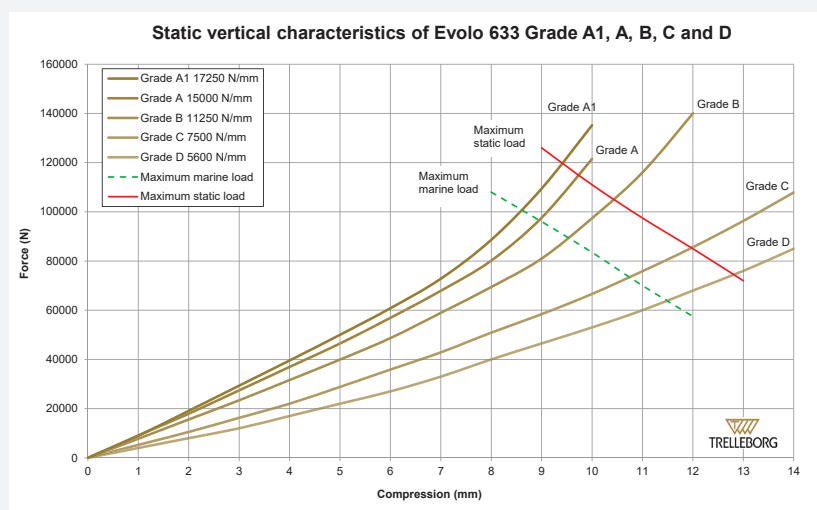


EVOLO 633 GRADE A1-H

TECHNICAL DATA

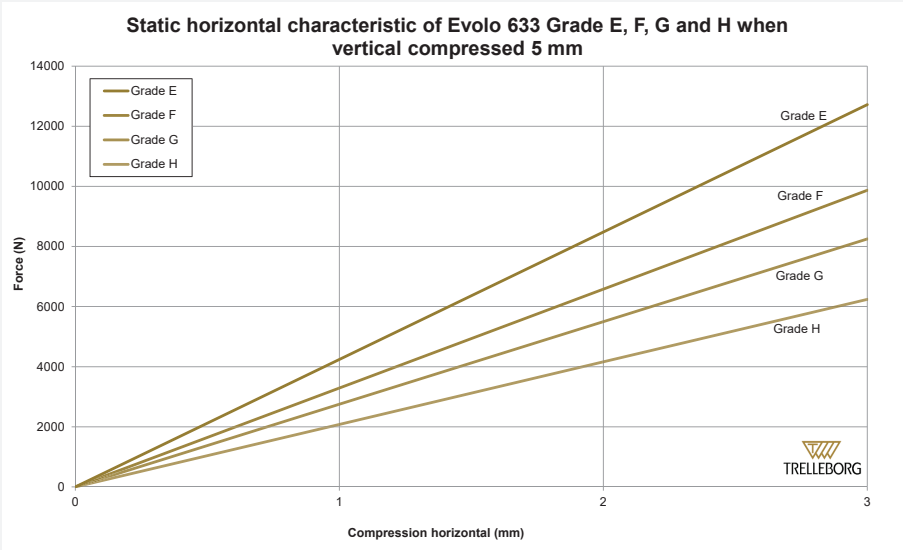
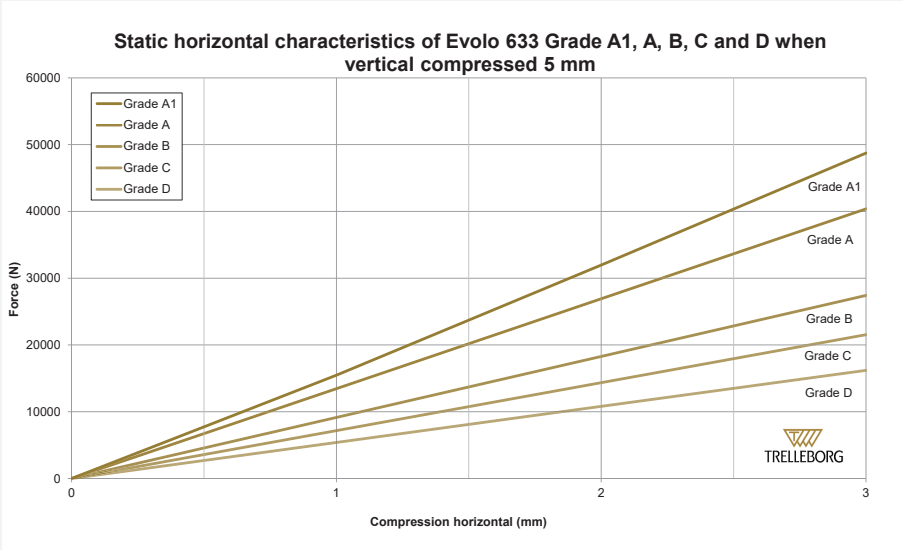
ARTICLE NO.	GRADE	MAXIMUM LOAD
1030633A1	A1	118 kN
1030633A0	A	118 kN
1030633B0	B	104 kN
1030633C0	C	85 kN
1030633D0	D	72 kN
1030633E0	E	38 kN
1030633F0	F	34 kN
1030633G0	G	30 kN
1030633H0	H	27 kN

STATIC VERTICAL CHARACTERISTICS



EVOL 633 GRADE A1-H

HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 4 MM



EVOLO 633 HEIGHT ADJUSTABLE GRADE A1-H

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, heavy-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as large generator sets, pump units, large diesel engines, compressor/cooling units, gearboxes, windmills, deck house mountings, control cabins.

MATERIAL

Rubber part: Highest quality natural rubber
Metal: Aluminum/Steel

IDENTIFICATION

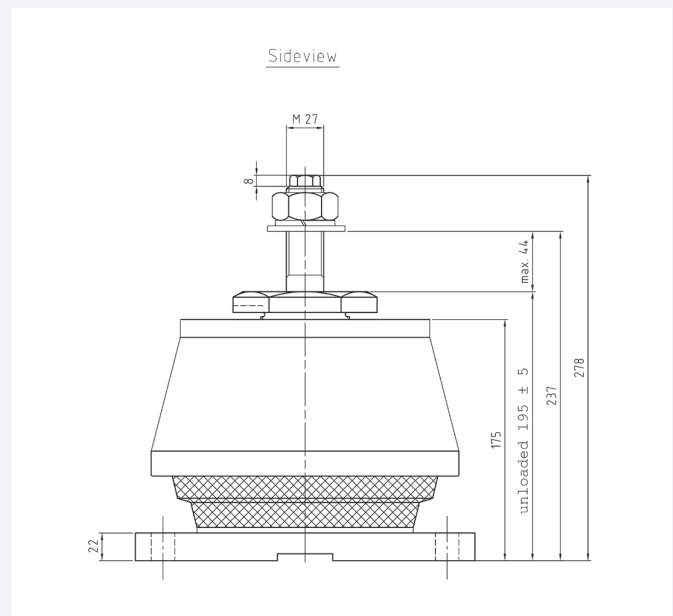
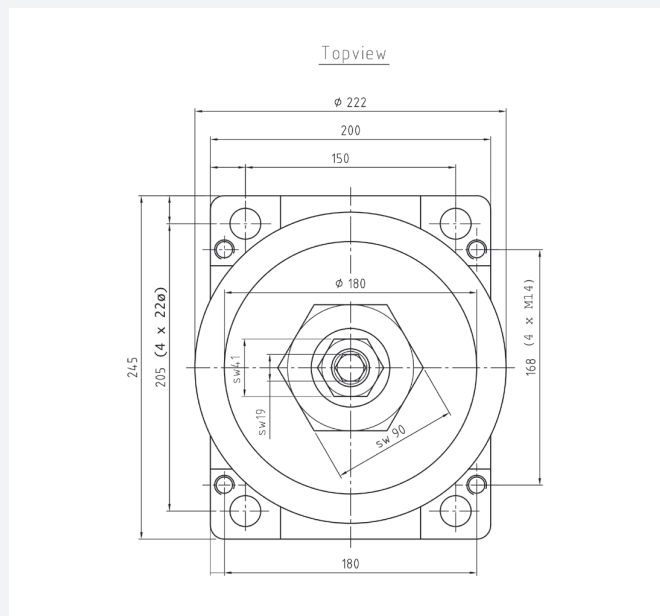
The type is marked in the mounting plate.

ADVANTAGES

- No need for additional shims due to compensation of any height differences in set-up
- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- For loads between 2750 and 12.000 kg
- Stock item



TECHNICAL DRAWING

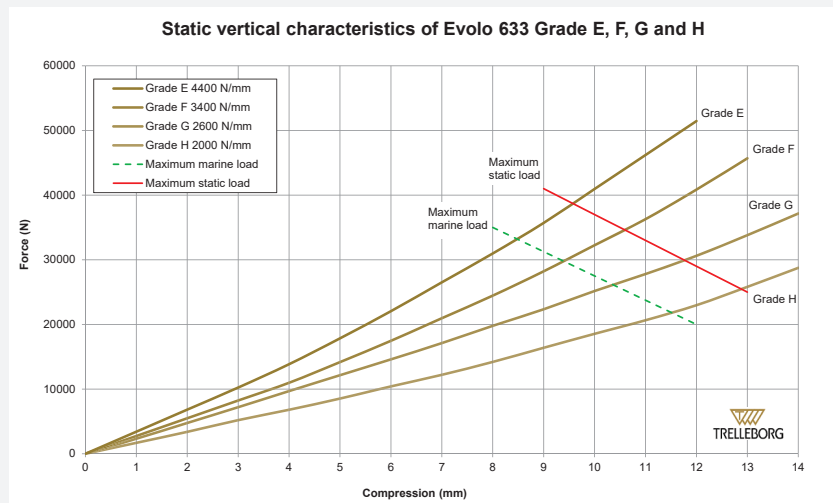
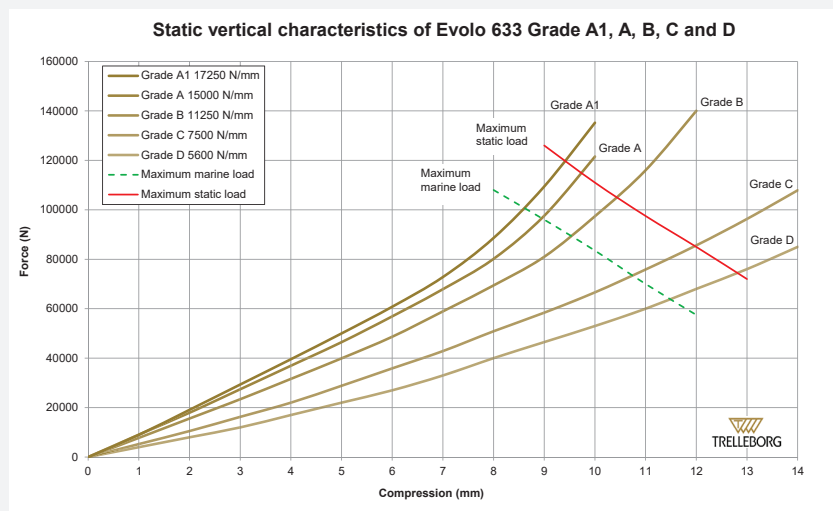


EVOL 633 HEIGHT ADJUSTABLE GRADE A1-H

TECHNICAL DATA

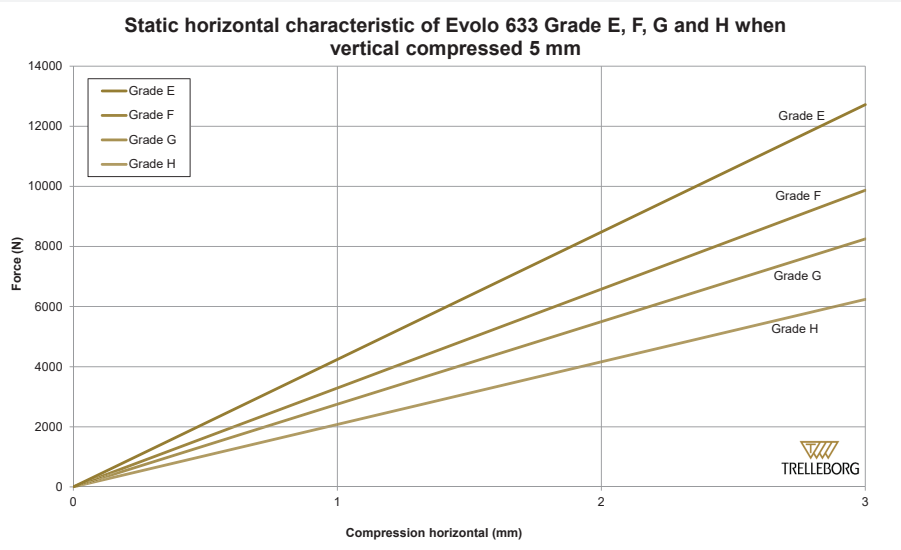
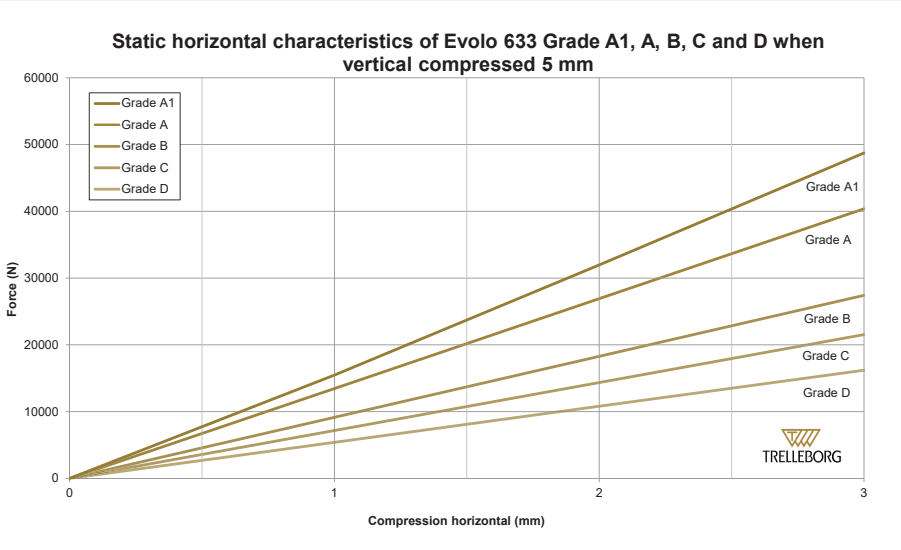
ARTICLE NO.	GRADE	MAXIMUM LOAD
10306331H	A1	118 kN
1030633AH	A	118 kN
1030633BH	B	104 kN
1030633CH	C	85 kN
1030633DH	D	72 kN
1030633EH	E	38 kN
1030633FH	F	34 kN
1030633GH	G	30 kN
1030633HH	H	27 kN

STATIC VERTICAL CHARACTERISTICS



EVOLO 633 HEIGHT ADJUSTABLE GRADE A1-H

HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 4 MM



EVOL 633 SPINDLE GRADE A1-H

APPLICATION

Optimum vibration isolation for a wide range of applications. For larger, heavy-weighted equipment under extreme conditions that needs optimal vibration isolation at both high and low frequencies, such as large generator sets, pump units, large diesel engines, compressor/cooling units, gearboxes, windmills, deck house mountings, control cabins.

MATERIAL

Rubber part: Highest quality natural rubber
Metal: Aluminum/Steel

IDENTIFICATION

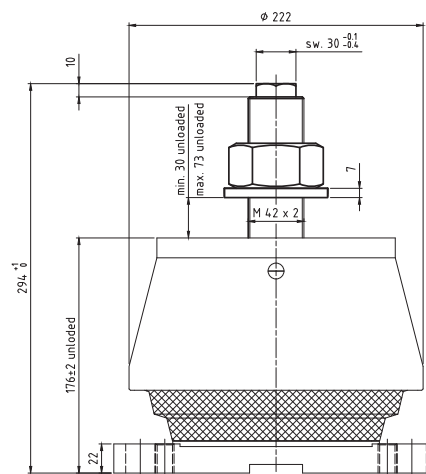
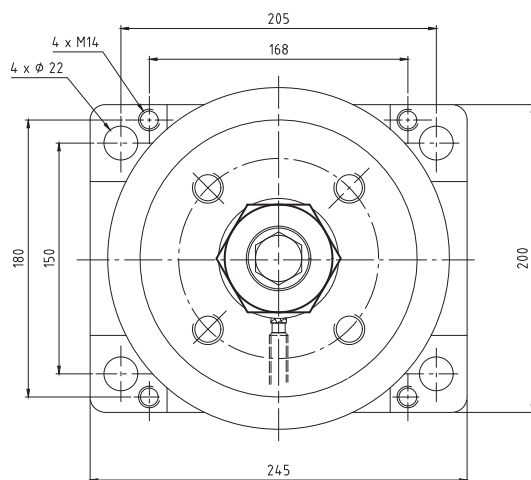
The type is marked in the mounting plate.

ADVANTAGES

- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- For loads between 2.750 and 12.000 kg
- Stock item



TECHNICAL DRAWING

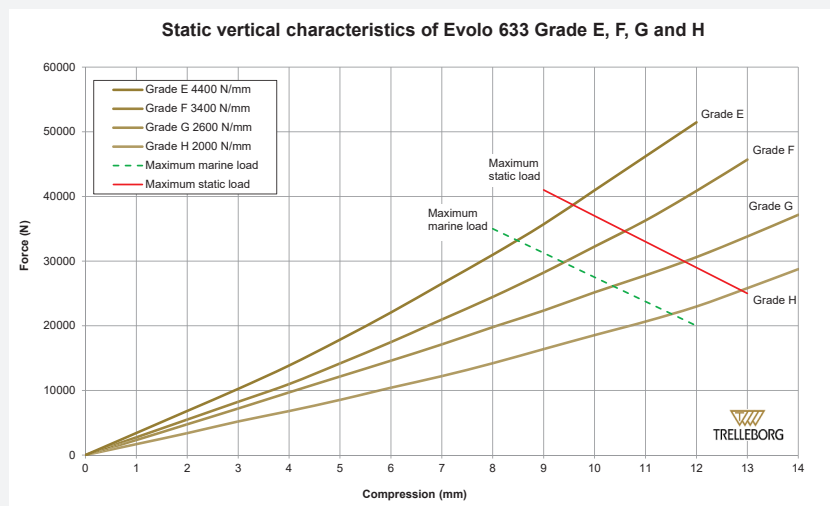
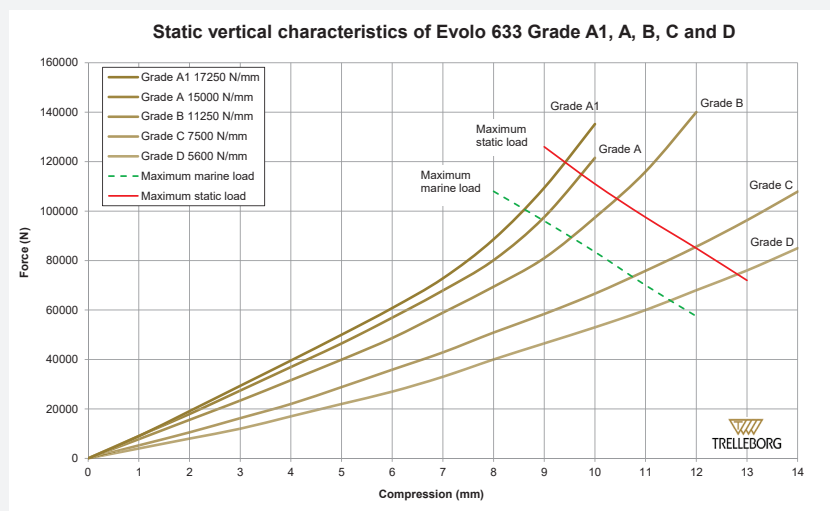


EVOLO 633 SPINDLE GRADE A1-H

TECHNICAL DATA

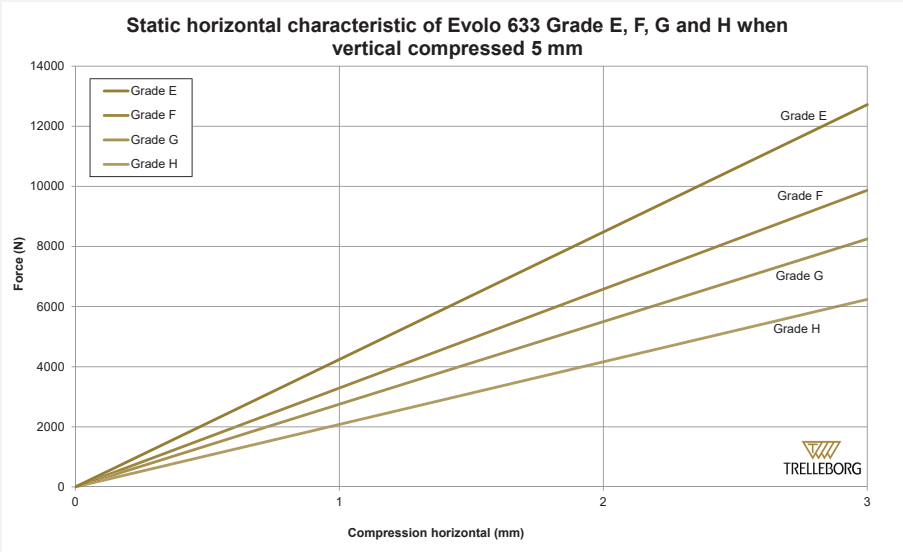
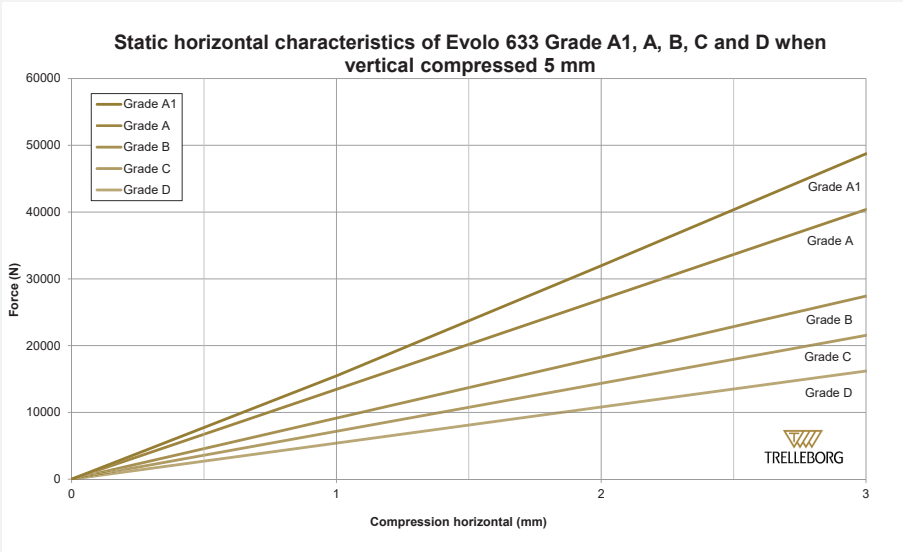
ARTICLE NO.	GRADE	MAXIMUM LOAD
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1030633A7	A	118 kN
1030633B7	B	104 kN
1030633C7	C	85 kN
1030633D7	D	72 kN
1030633E7	E	38 kN
1030633F7	F	34 kN
1030633G7	G	30 kN
1030633H7	H	27 kN

STATIC VERTICAL CHARACTERISTICS



EVOL 633 SPINDLE GRADE A1-H

HORIZONTAL CHARACTERISTICS WHEN PRECOMPRESSED 4 MM



EVOLO 633 TWISTLOCK GRADE A-H

INTRODUCTION

The innovative Trelleborg EvoLo 633 TwistLock for modular and skid based units solve the vibration issues causing potential damage and noise in the units, while the flexibility and easy handling of the TwistLock is maintained.

Personnel on offshore platforms are often facing vibration challenges caused by modular and skid based units. These vibrations are transmitted throughout the steel structure and may result in unforeseen damage or failure. Additionally, these vibrations affect the living and working environments of offshore workers. Eventually, this will negatively affect production, as poor working conditions often lead to inefficiency, a decrease of morale on the platform, and noncompliance with working conditions and safety regulation.

Trelleborg already successfully applied her innovative EvoLo vibration mounts in various market segments. In the offshore industry, many permanent offshore units are isolated against vibration with the EvoLo 633. However, the standard EvoLo 633 vibration mount can not be used in this case, as modular and skid based units must be secured safely whilst their deployment remains flexible. The EvoLo 633 TwistLock is the result of the combination of our vibration isolation expertise, high-quality products, and innovative capabilities. It has all the benefits of easy and quick installation of the TwistLock widely used in the offshore market, combined with the perfect vibration isolation qualities of the EvoLo 633 vibration mount. It is the ideal vibration isolator for modular and skid based units, as it protects the offshore unit from dangerous and annoying vibrations coming through and from the platform.

Trelleborg's EvoLo 633 TwistLock improves safety by preventing the unit and structure from hazardous and inconvenient vibrations. Additionally, it substantially increases working and living conditions on the offshore platform similar to our solutions for permanent offshore units. The business benefits are legion: increased efficiency, improved morale, and compliance with offshore working conditions and safety regulation.



MATERIAL

Rubber part:	Highest quality natural rubber
Metal:	Steel (St. 37 electrolytic galvanized)

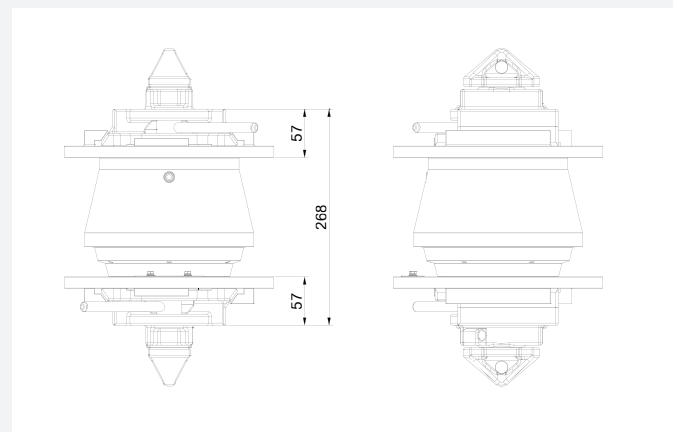
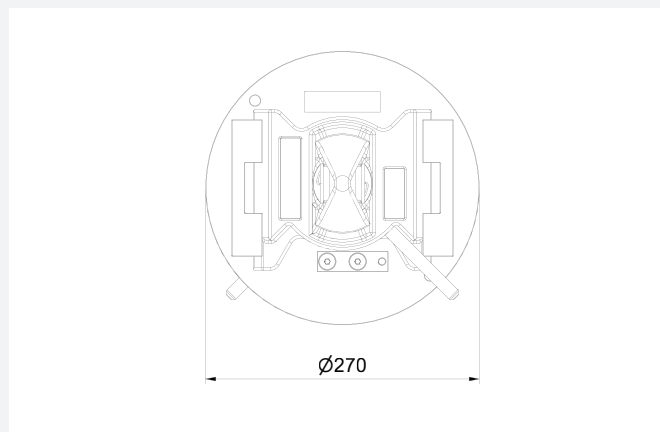
IDENTIFICATION

The type is marked in TAG/ Identification.

ADVANTAGES

- Type approvals available on request
- Optimum vibration isolation
- Easy and quick installation
- Build in end-limiter to protect against overload
- Capable of handling both vertical and horizontal forces
- Natural rubber gives maximum vibration isolation
- One type fits all weights between 1400 and 11800 kg
- Stock item

TECHNICAL DRAWING

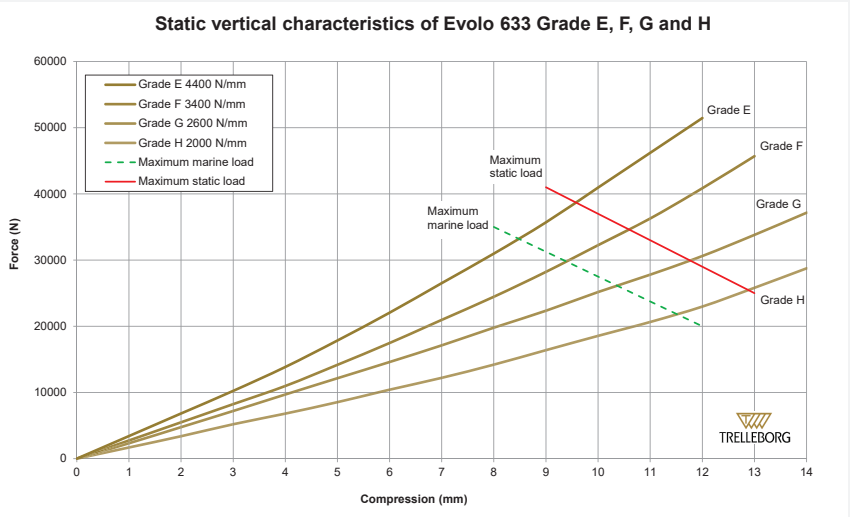
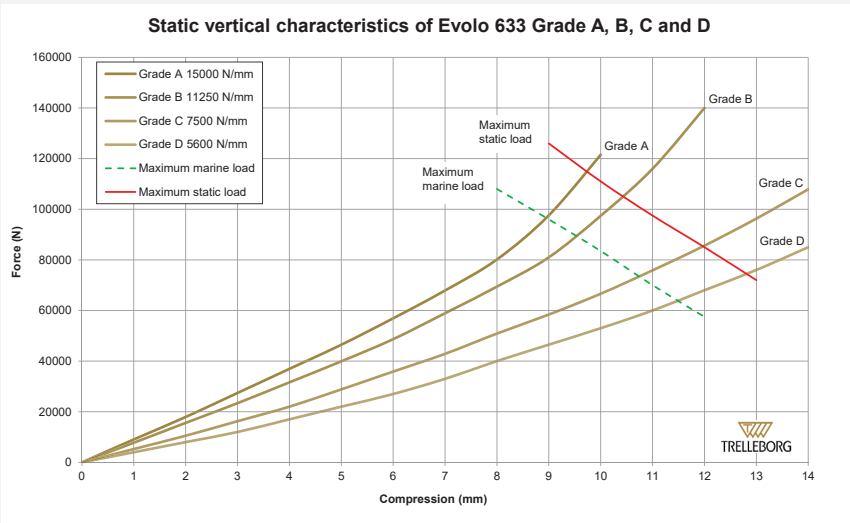


EVOLO 633 TWISTLOCK GRADE A-H

TECHNICAL DATA

ARTICLE NO.	GRADE	MAXIMUM LOAD
1030633AT	A	118 kN
1030633BT	B	104 kN
1030633CT	C	85 kN
1030633DT	D	72 kN
1030633ET	E	38 kN
1030633FT	F	34 kN
1030633GT	G	30 kN
1030633HT	H	27 kN

STATIC VERTICAL CHARACTERISTICS



EVOLO 633 TWISTLOCK GRADE A-H

HORIZONTAL CHARACTERISTICS WHEN PRE-COMPRESSED 4 MM

