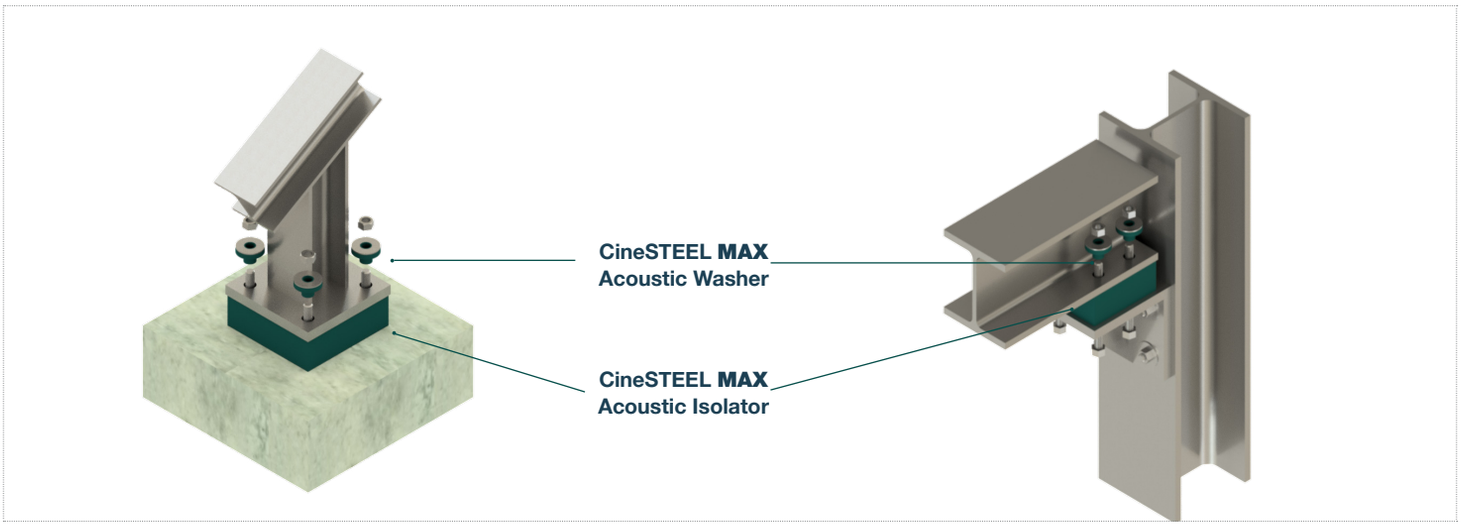
Designers Guide to CineSTEEL MAX

Designed specifically for 4DX auditoria, CineSTEEL MAX incorporates high damping isolators to control and constrain vibration while still providing exceptionally high sound insulation.

12 Hz Natural Frequency

90 mins Fire Resistance

Up to 25 Years Warranty



Technical specifications are available on RIBA NBS Plus for rapid import.

Features:

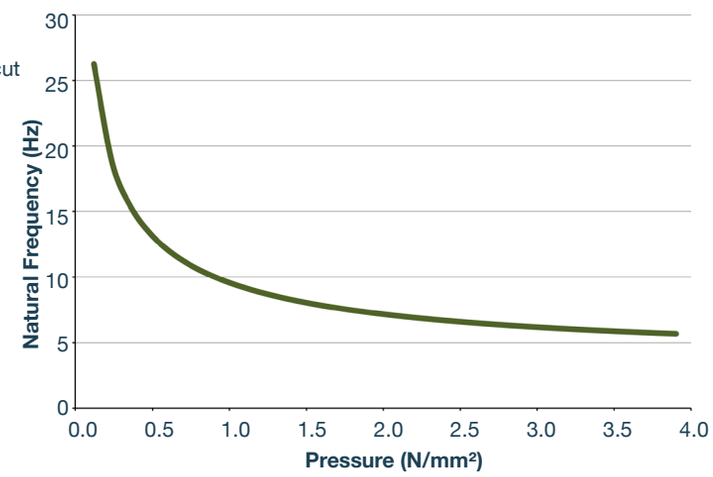
f_n @Operating Load: 12 Hz
f_n @Dead Load: 14 Hz
Max Pressure: 4.0 N/mm²
Max Live Load: 4 × Dead Load

Isolator Thickness: 50 mm
Isolator Type: Point Load, Bespoke-cut
Warranty: up to 25 Years

Our highest performing steelwork isolation system is based on hot-rolled structural steel supporting 150 mm thick cast in-situ concrete stadia and has been developed following years of research into cinema motion technology.

Future-proofed using the most extreme calibration routines from 4DX suppliers, CineSTEEL **MAX** not only isolates the vibration from adjacent auditoria, but also controls the inertial response in the structure that the 4DX seats are mounted to, offering superior motion feedback and a more immersive 4D experience.

Performance:



Accreditations:

Quality Management

Environmental Responsibility

Performance Testing

Sponsorships

Test/Assessment Standards:

Test data and standards followed for both static and dynamic material properties are provided within project specific calculations from Farrat.

Assessment of the fire resistance duration can be found in the Farrat technical report: **www.farrat.com/cinesteel-fire**

Our acoustic isolators provide complete flexibility in terms of dynamic stiffness and damping. Where necessary we can design bespoke configurations to match your precise needs.

Farrat

Buyers Guide to CineSTEEL MAX

The Farrat CineSTEEL range was developed following the successful delivery of more than 200 cinemas all around the world.

Our emphasis is on buildability and cost-effectiveness while maintaining the highest standards of performance, delivery, longevity and reliability.

Fast & Reliable Global Logistics

Our CineSTEEL **MAX** acoustic isolators have a **2-3 week** lead time. We hold stock in the **UK**, the **UAE** and **Saudi Arabia**, and regularly export worldwide.

Free Technical Support

Our team of engineers are always on hand to offer advice relating to specification, detailing and installation. We can deliver this remotely or on-site, **anywhere in the world.**

Low Life-Cycle Cost

All of our CineSTEEL acoustic isolation systems are designed with ease of installation, durability and follow-on trades in mind.

Certified Solutions

Our CineSTEEL acoustic isolators are manufactured in the UK under an accredited ISO 9001:2015 quality management system. Our **performance test data** is supplied from our in-house laboratory and is regularly checked & referenced with UKAS accredited laboratories.

200 Projects Experience

We regularly supply our CineSTEEL acoustic isolation systems to market leading cinema operators including: **Cineworld, VOX, VUE, Empire, REEL, Odeon** and **UCI.**

Ordering from Farrat:

CineSTEEL **MAX** Acoustic Isolators

Product Code: CineSTEEL **MAX** acoustic isolators require bespoke calculation and design.

Measure: Please refer to the main CineSTEEL brochure for information on ordering bespoke designed isolators.

CineSTEEL **MAX** Acoustic Washer

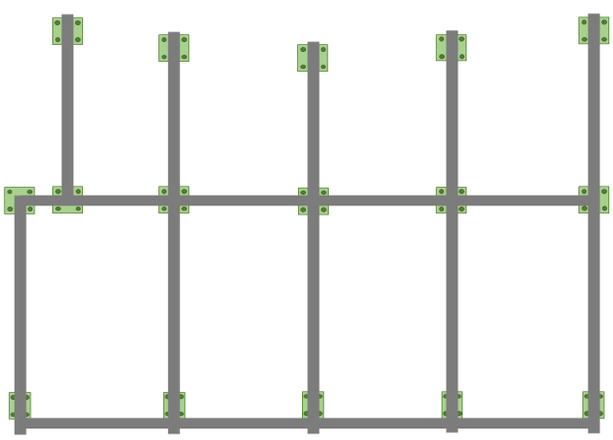
Product Code: 2CS-M-16/20/24

Measure: Acoustic washers are available for M16, M20 and M24 fixings.
All fixings through isolators should incorporate an acoustic washer. Only one side of the fixing requires an acoustic washer (one washer per bolt).
Fixings to S.E Spec (typically ×4 per connection).
Hole for acoustic washer = bolt diameter + 7 mm.

Example Layout:

CineSTEEL MAX Acoustic Isolator

CineSTEEL MAX Acoustic Bush



CineSTEEL MAX acoustic isolators can be designed to match any baseplate and washer quantity combination (subject to load limits). See the CineSTEEL brochure for further information.

Farrat

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