

# Designers Guide to CineSTEEL PRO

Our most frequently specified grade of raked seating isolation suffers no compromises from low mass or high stiffness isolators to achieve the highest ratio of acoustic isolation performance vs. price in the CineSTEEL range.



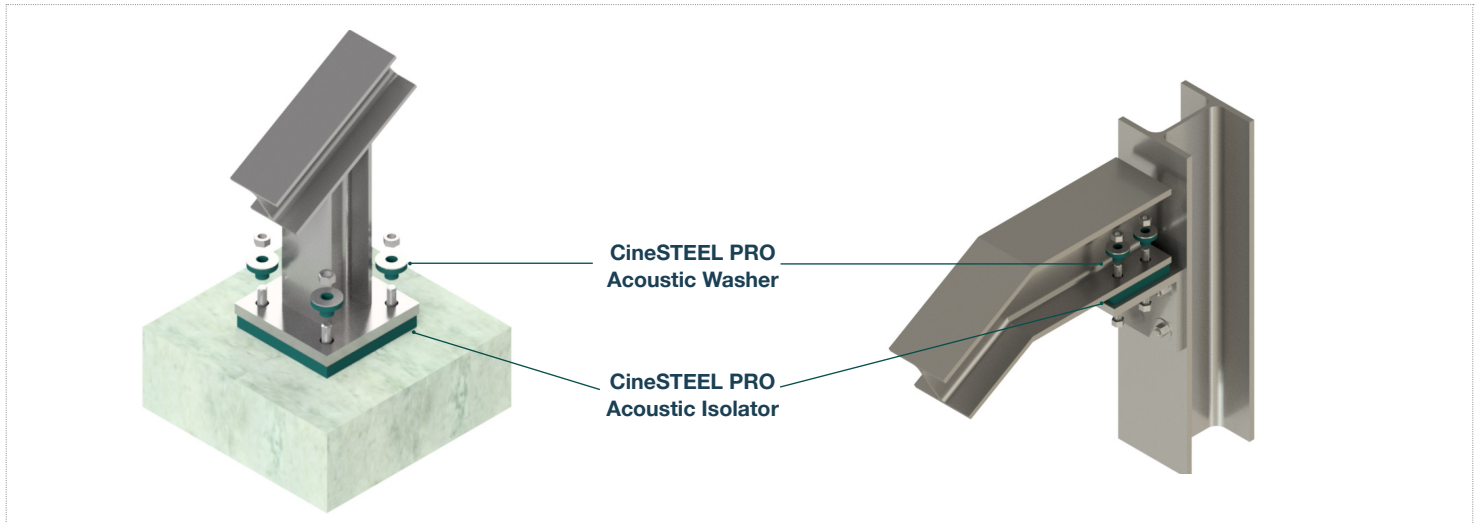
12 Hz  
Natural  
Frequency



90 mins  
Fire  
Resistance



Up to 25  
Years  
Warranty



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

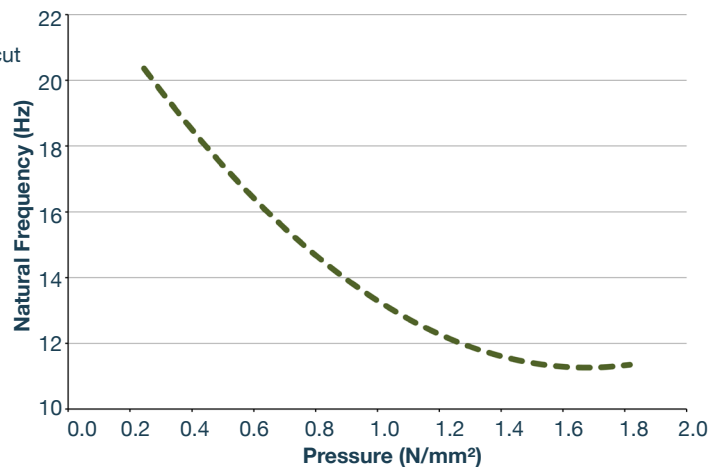
## Features:

- $f_n$ @Operating Load: 12 Hz      **Isolator Thickness:** 25 mm
- $f_n$ @Dead Load: 14 Hz      **Isolator Type:** Point Load, Bespoke-cut
- Max Pressure:** 2.0 N/mm<sup>2</sup>      **Warranty:** up to 25 Years
- Max Live Load:** 3 × Dead Load

For over 10 years CineSTEEL PRO has been the preferred choice of many of the world's leading multiplex cinema brands thanks to its proven and reliable superior performance. It is based on a seating frame made from hot-rolled structural steel with 100 mm concrete stadia and can be used in both cast in-situ and pre-cast arrangements.

Designed specifically with program conscious contractors in mind, CineSTEEL PRO materials are all held in stock for rapid turnaround despite comprising bespoke-cut isolators.

## 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](http://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.*

# Buyers Guide to CineSTEEL PRO

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.



## Ordering from Farrat:

### CineSTEEL PRO Acoustic Isolators

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

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

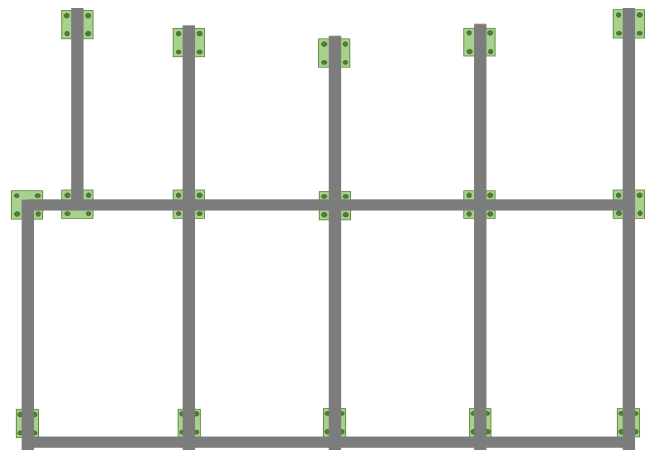
### CineSTEEL PRO Acoustic Washer

**Product Code:** 2CS-P-16/20/24

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

### Example Layout:

- CineSTEEL PRO Acoustic Isolator
- CineSTEEL PRO Acoustic Bush



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

Fast & Reliable  
Global Logistics

Our CineSTEEL PRO acoustic isolators have a 1-2 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**.