

DS

Aluminium Support Joist



Overview

Non-combustible aluminium support joist designed to support Ryno systems. Support joists can be secured to decking pedestals or cleats to create a strong and durable support structure for your system.

- Multiple joist depths available to suit different applications
- Manufactured from incredibly strong and lightweight aluminium
- Large allowable spans
- Available in mill finish or powder-coated



Performance

Allowable load	Uniformly distributed >4.0kN/m ² , Concentrated 2kN
Material	Aluminium alloy 6063 - T6
Biological/Chemical	Resistant to moulds, algae, alkali, bitumen, UV
Reaction to fire	Mill finish - A1 (inherently non-combustible)
Compatible supports	ADC, RD-FR, RDA-C, RDF, RDC
Warranty	30 years*
Design life	60 years*

*Valid when used as part of a complete RYNO IGNO system

Dimensions


Joist code	Height	Width	Stock lengths	Weight
DS15	15mm	48mm	3600mm	1.7kg/m ²
DS25	25mm	48mm	3600mm	1.7kg/m ²
DS50	50mm	48mm	3600mm	2.3kg/m ²
DS50C	50mm	48mm	3600mm	1.7kg/m ²
DS75	75mm	48mm	3600mm	3.2kg/m ²
DS75C	75mm	48mm	3600mm	3.3kg/m ²

Spans

Joist code	Joist centres	Maximum span (UDL - 4.0kN/m ² Point load - 2kN)**
DS15	≤ 600mm	360mm
DS25	≤ 600mm	600mm
DS50	≤ 600mm	1200mm
DS50C	≤ 600mm	1050mm
DS75	≤ 600mm	1600mm
DS75C	≤ 600mm	1450mm


** Full span data/loadings available on request

Compatible Systems




BalcaSmart®
Aluminium Decking System

Decking system for metal-frame balconies




BalcaSmart®
Rail Paving System

Premium, versatile paving system for waterproofed substrates



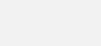
TerraSmart®
Aluminium Decking System

Decking system for waterproofed substrates



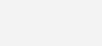
TerraSmart®
Rail Paving System

Premium, versatile paving system for waterproofed substrates



TerraSmart®
Composite Decking System

Wood-plastic composite decking system for outdoor spaces



TerraSmart®
Rail Paving System

Premium, versatile paving system for waterproofed substrates, **where non-combustibility isn't required**

Got questions?

Visit www.rynogroup.co.uk or call us today on **+44 (0)203 967 3500** or reach out on sales@rynogroup.co.uk.