

DS

Aluminium Joist

Overview

The DS aluminium Joist is a non-combustible aluminium support joist designed specifically for RYNO flooring systems. Secure the support joists to decking pedestals or cleats to create a robust and durable support structure for your system.

- Multipurpose design – rapid installation
- Multiple joist depths available to suit various applications
- Manufactured from incredibly strong and lightweight aluminium
- Supports large allowable spans
- Available in a mill finish or powder coated



Details

Material	Aluminium 6063-T6
Dimensions	See “Part information” below
Height Range	See “Part information” below
Weight	See “Part information” below

Performance

Reaction to fire (BS EN 13501-1)	Inherently A1 (Decision 94-611/EC)
Allowable load	Uniformly distributed 4.0kN/m ² , concentrated 2kN
Maximum spacing	Determined by Deckboard or Top Rail. See applicable datasheet.
Maximum span	See “Part information” below
Biological and chemical	Resistant to moulds algae, alkali, bitumen, UV
Warranty	30 years
Design Life	60 years
Global Warming Potential (verified by EPD)	6.45kgCO ₂ /kg

Part information

Part code	Height	Dimensions	Weight	Maximum span
DS15	15mm	48 x 15 x 3600mm	1kg/m	360mm
DS25	25mm	48 x 25 x 3600mm	1.078kg/m	600mm
DS50	50mm	48 x 50 x 3600mm	1.24kg/m	1200mm
DS50C	50mm	48 x 50 x 3600mm	0.86kg/m	1050mm
DS75	75mm	48 x 75 x 3600mm	1.58kg/m	1600mm
DS75C	75mm	48 x 75 x 3600mm	1.1kg/m	1450mm

Compatible components

	RD-FR Non-Combustible Adjustable Joist Support		RDF Fixed Head Adjustable Joist
	RDA-C Self-levelling Adjustable Joist Support with Clip-on Head		ADC Joist Support Cleat
	VC Vitrified Composite Decking Board		ADB Aluminium Decking Board - Indirect Fix
	CDB-C Classic Composite Decking Board		CDB-S Signature Composite Decking Board
	CDB-P Performance Composite Decking Board		DSC Joist Connector Bracket
	VCT Decking Clip - Vitrified Composite		RST Aluminium Paving Support Rail
	PHS Pan-head Screw		DSB Decking Screw

	JH Joist Hanger		TP Termination Profile – Aluminium Decking
	CTC Decking T-Clip – Composite		CSC Decking Starter/End Clip

Got questions? Give us a shout.

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