



RhinoRS®
Rhino Selected Series



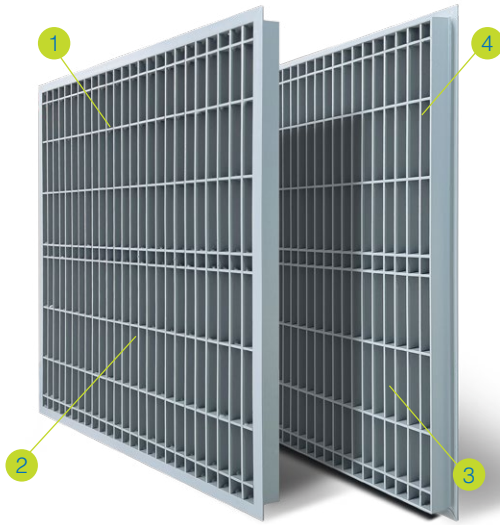
RS Perf1000/1500

Directional 68% Airflow Panel

RhinoRS® directional **68%** airflow panels are manufactured from structural steel technology makes the size and thickness same as RhinoRS® and RhinoROC® covered panels but all-steel welded grate design. It's an ideal for creating a virtual containment systemthe steel grate panel directs the airflow toward the server rack to significantly reduce bypass air. RhinoRS® directional **68%** airflow panels are designed to evenly distribute airflow across the full height of a standard 42U rack.

RHINO®
Strive for perfection!

Panel



- 1 Airflow Rates**
Open rate: **68%**
- 2 Top Steel-plate**
Thickness: 3.0/5.0mm
Material: Cold rolled steel sheet
- 3 Bottom Structure**
Thickness: 3.0/5.0mm
Material: Steel plate spot welded
- 4 Finish**
Spark-lite white anti-static powder coat

Description

RhinoRS® directional **68%** airflow panels are manufactured from structural steel technology makes the size and thickness same as RhinoRS® and RhinoROC® covered panels but all-steel welded grate design. It's an ideal for creating a virtual containment system the steel grate panel directs the airflow toward the server rack to significantly reduce bypass air. RhinoRS® directional **68%** airflow panels are designed to evenly distribute airflow across the full height of a standard 42U rack.

Directional 68% Airflow

Static Pressure (Pa)	L/S (w/o Damper)	kW
5	543	8.5
10	767	12
12.5	870	13.6
15	947	14.8
20	1094	17.1
25	1227	19.1
30	1332	20.8
35	1429	22.3
40	1518	23.7
45	1594	24.9
50	1620	25.3

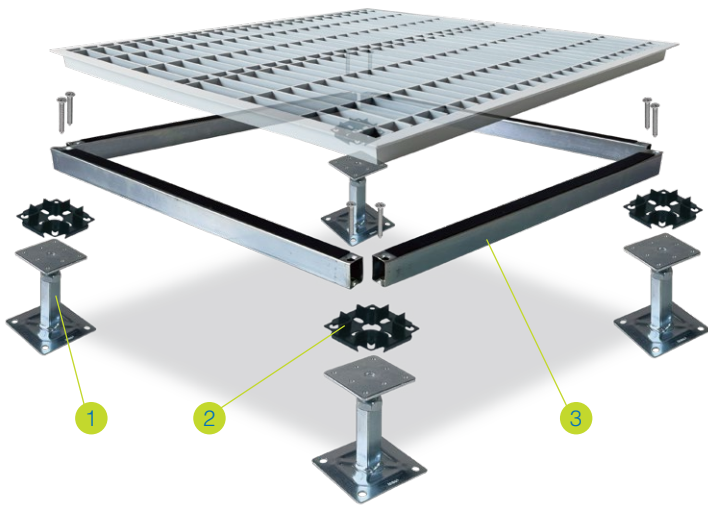
Features

- Welded steel grate design
- Interchangeable with RhinoRS® and RhinoROC® panels
- 68% open area without a damper
- Directional airflow for 93% capture index
- Spark-lite white anti-static powder coat



Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
RS Perf1000	600mm square	3.00 mm	Cold rolled steel welded	35.00 mm	51 kg/m²
RS Perf1500	600mm square	5.00 mm	Cold rolled steel welded	55.00 mm	70 kg/m²

System



1 Standard Pedestal

Galvanized & blue passivated steel made pedestal is suitable for raised floors with a finished floor height from 50mm - 1800mm. Zinc whisker free is available for special order.

2 Head Gasket

Plastic conductive material with sound proofing and sealing functions, equipped with tabs for the positioning of panels. Thickness: 2.0mm

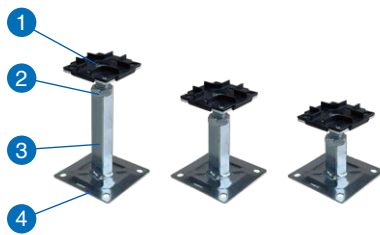
3 Stringer

Steel tube performed stringer with plastic gasket on top provide best supports to the structural system with limited air leakage and outstanding acoustic performance.

Dimension: 568mm(L) x 21mm(W) x 32mm(H)

Thickness: 0.8/1.0/1.2mm

Pedestal



1 Pedestal Head

Head plate: 76x76x4.0mm

Thread Rod: M19 with anti-rotation tabs

2 Adjusting Nut

M19 with vibration proof locking device

3 Base Tube

□22x1.5mm sq. tube arch welded to base plate

4 Base Plate

100x100x2.0mm

Performance

- This bolted stringer system is tested in accordance with USA CISCA specification.
- Panel deflection at centre edge must not exceed 2.5mm.
- Performance to a safety factor of 3 x static load.
- Structural performance based upon a full Rhino access floors system i.e. panels & pedestals.



Panel Type	Understructure	Performance Grades	Static Loads			Rolling Loads		Airflow (CFM)	
			Concentrated Load	Ultimate Load (Safety Factor* 3.0)	Uniform Load	10 Passes	10,000 Passes	L/S (at25 Pa)	Capture Index
RS Perf1000	Bolted Stringer	Heavy Duty	1,000 lbs 4.45 kN	3,000 lbs 13.34 kN	250 lbs/ft ² 12 kN/m ²	Not Recommended		1227	93%
RS Perf1500	Bolted Stringer	Super Heavy Duty	1,500 lbs 6.67 kN	4,500 lbs 20.02 kN	450 lbs/ft ² 22 kN/m ²	Not Recommended		1227	93%

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Corporate Headquarters

111 S.K.V. Building, 4th Floor
Soi Sansabai, Klongton
Klongtoey, Bangkok 10110
Thailand

T/ (662) 661 2990

F/ (662) 661 2991

China Office

593, Tongjiang Road
Jintian Plaza 828-830
Changzhou 213022
Jiangsu, China

T/ (86) 519 8988 3171

F/ (86) 519 8988 3901

Hong Kong Office

Unit 908, 9/F, LT Tower
31 Chong Yip Street
Kwun Tong, Kowloon
Hong Kong

T/ (852) 2865 6816

F/ (852) 2865 6813

Production Unit

Hengshanqiao
Wujin District
Changzhou 213119
Jiangsu, China

T/ (86) 519 8860 7959

F/ (86) 519 8860 5659

www.RhinoAccessFloors.com