

RS3000 Rack

Prysmian Part Numbers: See below



The RS3000 Rack is a standard rack with 19" mounting rails, used to accommodate a range of SRS3000 shelves and sub-racks or any other 19" rack mounted products. The rack is 900mm wide by 300mm in depth and is available in 42U and 47U heights (2000 and 2200mm). The rack is supplied with side panels and transparent doors. Cable brackets are supplied in the left hand side of the rack to enable a range of cable anchor brackets to be installed. Mandrels are supplied in the right hand side of the rack to manage and store patchcords. The maximum capacity of the rack is 2160 fibres (based on the 47U rack on a splice + patch basis).

Features and Benefits

- The rack can accommodate the range of SRS3000 shelves and sub-racks. Please note that other 19" rack mounted products and equipment can be mounted into the RS3000 rack. Refer to the other products within the OAsys range.
- SRS3000 shelves and sub-racks are available for Splicing Only, Patching Only, Splicing + Patching and Patchcord Storage. They can be supplied in 1U, 2U or 3U formats.
- Up to 40 single (1U) SRS3000 shelves can be accommodated in a 42U rack providing a capacity of 1920 fibres on a splice and patch basis. Up to 45 single (1U) SRS3000 shelves can be accommodated in the 47U rack, providing a capacity of 2160 fibres on a splice and patch basis.
- The rack can also be supplied with a 3U routing channel in the bottom for patchcord routing to adjacent racks. Note that 3U of the above capacity is lost in these cases.
- The rack is supplied fully configured as a composed rack with side channels, doors, 19" mounting rails, patchcord storage mandrels and cable anchor brackets.
- Cables are anchored and distributed in the left hand side of the rack using & BEM cable anchors. See additional items.
- Patchcord storage drums are supplied in the right hand side of the rack, for patchcord storage and bend management..
- Locks are available for restricted access to the rack. Order lock separately XKTSC00353.

Kit Contents

The RS3000 Rack is supplied fully assembled with side panels, transparent doors, four cable anchor brackets and eleven patchcord storage mandrels.

Additional Items Recommended

- SRS 3000 Splice and Patch Shelf
- SRS 3000 Patch Only Shelf
- SRS 3000 Splice Only Shelf
- SRS 3000 Patchcord Storage Shelf
- SRS 3000 Sub-Racks (2U and 3U)
- Horizontal Routing and Storage Shelf
- Modular Splitter Shelf
- Connectorised Splitter Modules
- Cable Anchor Brackets
- Rack Fixing Kits

Prysmian Part Numbers

- XEXSC01500 – (42U) 2000x900x300
- XEXSC01501 – (47U) 2200x900x300
- XEXSC01556 – (42U) 2000x900x300 with channel
- XEXSC01557 – (47U) 2200x900x300 with channel
- XKTSC00353 – Door Lock Kit (individual key)

Technical Data

• Maximum Capacity:

- 42U: 40 SRS 3000 shelves (1U), or 37 if ordering a rack with a routing channel
- 47U: 45 SRS 3000 shelves (1U), or 42 if ordering a rack with a routing channel.

• Maximum Fibre Capacity:

(using SRS3000 products)

- 42U: * 1920 (splice only, patch only and splicing + patching with SC and LC connectors)
 - 42U: * 960 (patch only and splicing + patching with FC, ST and E2000 connectors)
 - 47U: * 2160 (splice only, patch only and splicing + patching with SC and LC connectors)
 - 47U: * 1080 (patch only and splicing + patching with FC, ST and E2000 connectors)
- * **Note:** if ordering a rack with a 3U routing channel in the bottom the above capacities will be reduced.

• Required space envelope (mm):-

- 42U: (h) 2000 x (w) 900 x (d) 300
- 47U: (h) 2200 x (w) 900 X (d) 300

• Material: Mild Steel

• Finish: Painted light grey (RAL 7035)

Logistics

• Packing Dimensions (mm):

- 42U: h)2280 x (w)965 x (d)350
- 47U: (h)2280 x (w)965 x (d)350

• Packed Weight (Kg):

- 42U: 145.0
- 47U: 155.0

• Net Weight (Kg)

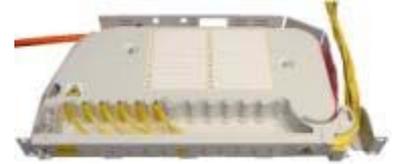
- 42U: 85.0
- 47U: 95.0

Additional Items

SRS3000 Splice Only Shelf

The SRS3000 Splice Only Shelf is used to splice internal cables directly to connectorised pigtails, or for cable to cable jointing. The shelf is 1U in height and can accommodate up to 48 splices. The shelf hinges outwards to provide access and the unit is compatible with blown fibre tuning.

Prysmian Part Numbers: See data sheet RM0018



SRS3000 Patch Only Shelf

The SRS3000 Patch Only Shelf is a 1U shelf allowing the connection of up to 48 fibre patches. The shelf can accommodate a variety of different connector types including FC, SC, LC, E2000 and ST. The shelf hinges outwards to provide access for installation.

Prysmian Part Numbers: See data sheet RM0019



SRS3000 Splice and Patch Shelf

The SRS3000 Splice and Patch Shelf is a 1U shelf allowing the connection of up to 48 fibres onto adapter panels. The shelf can accommodate a variety of connector types including FC, SC, LC, E2000 and ST. The shelf hinges outwards to provide access for installation.

Prysmian Part Numbers: See data sheet RM0014



SRS3000 Patchcord Storage Shelf

The SRS3000 Patchcord Storage Shelf is a 1U shelf allowing the storage of patchcords or patchcord over-length. The shelf can accommodate a variety of lengths depending on the number of patchcords to be installed. The shelf hinges outwards to provide access for installation.

Prysmian Part Numbers: See data sheet RM0020



SRS3000 Sub-Racks

As well as being supplied as 1U shelves, the SRS3000 Splice, Patch, Splice + Patch and Patchcord Storage modules can be supplied pre-installed into a sub-racks. Sub-racks are available in 2U and 3U heights. For further information refer to datasheet RM0015

Prysmian Part Numbers: See data sheet RM0015



Additional Items

SRS3000 Connectorised Splitter Shelf

The SRS3000 Splice Only Shelf is used to splice internal cables directly to connectorised pigtails, or for cable to cable jointing. The shelf is 1U in height and can accommodate up to 48 splices. The shelf hinges outwards to provide access and the unit is compatible with blown fibre tuning.



Prysmian Part Numbers: See data sheet **RM0022**

Modular Splitter Shelf

The Modular Splitter Shelf is a 3U high shelf that is used to mount pre-connectorised Splitter Modules into the RS3000 rack. Splitter Modules from 1x4 to 1x64 can be installed into the rack. Splitter input fibres are connected to incoming network feeder cables by use of a splice and patch shelf, or a splice only shelf (cut connector from splitter input) such as the SRS3000 Shelves (see page 3). The splitter outputs are pre-connectorised and can be routed directly to splice and patch or patch only shelves within the rack for connection to network cables.



Splitter Modules are installed into the splitter using plastic pop rivets. Up to 14 Splitter modules can be accommodated into the 3U splitter shelf.

Prysmian Part Number: **XEXSC01548**

Splitter Modules

Splitter Modules are used to populate the Modular Splitter Shelf. Splitter Modules are pre-connectorised splitters housed in a protective unit. The splitter outputs are connectorised for direct connection to the network cable patch panels. The modules are available with split ratios from 1x4 to 1x64 and can be supplied with the output tails connectorised with FC, SC or LC connector types. The input fibre tail is a ruggedised connectorised fibre that can be routed to a splice and patch shelf for connecting to the network feeder cable. Other combinations and connector types are available on request.



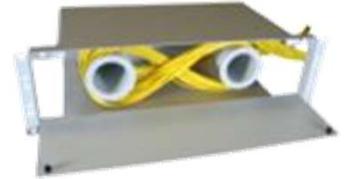
Prysmian Part Numbers:-

SPLITTER RATIO	CONNECTOR TYPE					
	FC/UPC	FC/APC	SC/UPC	SC/APC	LC/UPC	LC/APC
1x4	XSPSC00080	XSPSC00081	XSPSC00082	XSPSC00083	XSPSC00084	XSPSC00085
1x8	XSPSC00086	XSPSC00087	XSPSC00088	XSPSC00089	XSPSC00090	XSPSC00091
1x16	XSPSC00092	XSPSC00093	XSPSC00094	XSPSC00095	XSPSC00096	XSPSC00097
1x32	XSPSC00098	XSPSC00099	XSPSC00100	XSPSC00101	XSPSC00102	XSPSC00103
1x64	XSPSC00104	XSPSC00105	XSPSC00106	XSPSC00107	XSPSC00108	XSPSC00109

Additional Items

Horizontal Routing and Storage Shelf

The Horizontal Routing and Storage Shelf is a 3U shelf used to transport patchcords from one side of the RS3000 rack to the opposite side. The shelf can also be used as a patch cord storage shelf for the storage of patch cord over-lengths. Manufactured from the steel, the shelf contains two routing mandrels for the coiling of the patch cord over-lengths.



Prysmian Part No.: XEXSC01560

Additional Cable Anchor Brackets

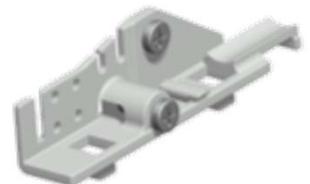
Four cable anchor brackets are supplied with the rack for securing the cables in the left hand side, Additional brackets can be ordered if required. The brackets are supplied as a set of two including fixing screws.



Prysmian Part No.: XKTSC00285 (pack of 2)

SRS - ARS Cable Anchor

The ARS Cable Anchor kit is used to install an additional cable into an SRS3000 shelf, or into the rack for routing to a number of shelves. The ARS is suitable for cables between 12 and 48 fibres. Bend limiting routing tubes to protect the fibres being routed to the shelf are also supplied in the kit. The ARS also allows for the anchoring / termination of both the cable strength member and any Aramid with in the cable construction.



Prysmian Part Nos.: - **XSRSC00360 – ARS + 1.5m of bend limiting tube**
XEXSC00962 – ARS + 10m of bend limiting tube
XEXSC00963 – ARS + 10m of RFH tube

BEM Cable Clamp

The BEM Cable Clamp is used to anchor the cable within the rack or to an SRS3000 Mounting Chassis and route the fibres onto the Modules. The BEM is suitable for cables between 36 and 192 fibres. 20 metres of routing tube is supplied with the BEM.



Prysmian Part Nos.: **XEXSC00960 – BEM + 20m of bend limiting tube**
XEXSC00961 – BEM + 20m of RFH tube

Blown Fibre Manifold

The Blown Fibre Manifold is used to take up to 6 blown fibre tubes of 5mm in diameter onto one SRS3000 module. The manifold fits onto the back of the SRS3000 chassis and is supplied with a protective cover.



Prysmian Part No. – XKTSC00257

Additional Items

Rack Fixing Kits

Rack fixing kits are available to secure the rack to another rack in the suite or to the wall. Kits are available for:

Side Fixing – Fixing a rack to an adjacent rack left or right

Rear Fixing – Fixing a rack to another rack back to back

Wall Fixing – Fixing a rack to the wall

***Prysmian Part Nos.: - XEXSC02562 – RS3000 Rack Fixing Kit Side
XEXSC02563 – RS3000 Rack Fixing Kit Back to Back
XEXSC02564 – RS3000 Rack Fixing Kit Wall***

Please contact your local sales office listed on www.prysmiangroup.com

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