

STRUT RAIL



THE UNIVERSAL SOLUTION
FOR YOUR CABLE TRAY INSTALLATIONS

CATALOGUE
PAGES
→ INSIDE

THE GLOBAL SPECIALIST IN ELECTRICAL
AND DIGITAL BUILDING INFRASTRUCTURES

 **legrand**[®]

NEW STRUT RAIL

for universal use



□ The rail is at the heart of a complete system which incorporates several fixing methods and is compatible with several cable tray ranges (**Cablofil** wire mesh, **P31** sheet metal cable trays, **GLO4** cable ladder and different ranges of support)

□ Conforms to IEC 61537, IMQ, BS

□ A well-designed range covering all requirements with just 4 types of rail



R21S RAIL



R41S RAIL



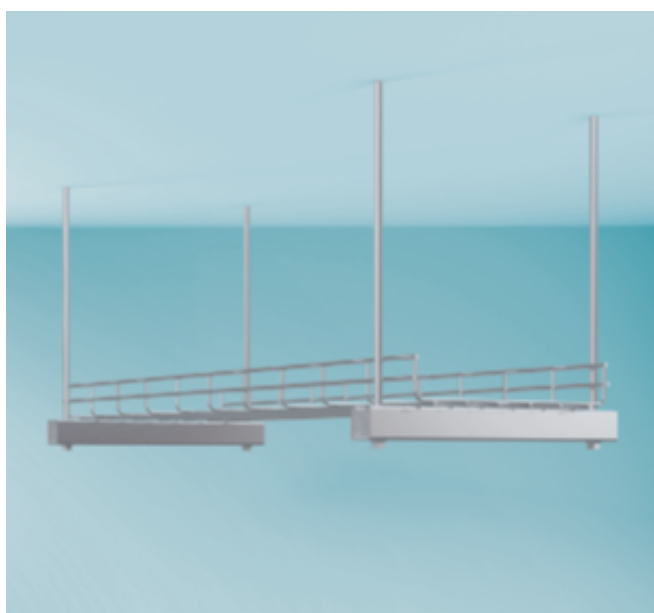
R41SP RAIL



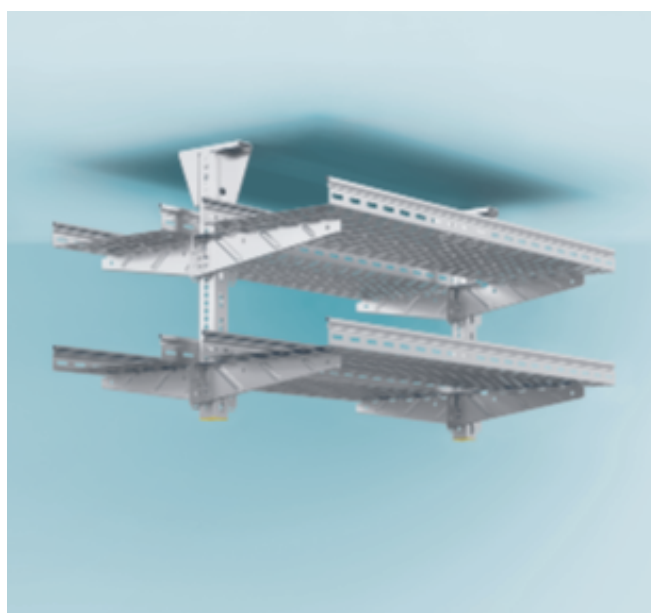
R41D RAIL

APPLICATIONS

- **Any commercial or industrial site**
using wire mesh (Cablofil), sheet metal cable trays (perforated or blind – P31 range) or a cable ladder (GL04)
- **3 fixing options:** to the ceiling, on the wall or to the floor
- **Compatible different types of bracket**



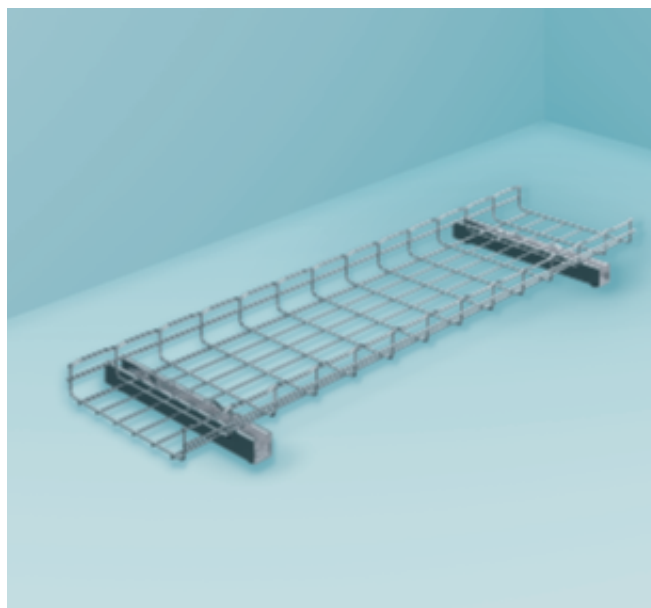
Fixing a cable tray to the ceiling on a rail using a trapeze mounting system



Fixing cable trays to the ceiling with rails and brackets



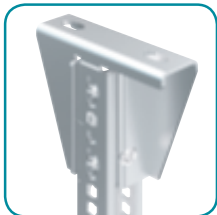
Fixing a cable tray to the wall with rails and brackets



Fixing a cable tray to the floor

NEW STRUT RAIL

Ease & speed
of implementation
thanks to product innovations



RAILS QUICK-FIX TO THE
PFR41S CEILING SUPPORT
WITHOUT SCREWS



SYSTEM FOR FIXING A CB
BRACKET ON THE FRONT WITH
E41 DEDICATED LOCKNUT



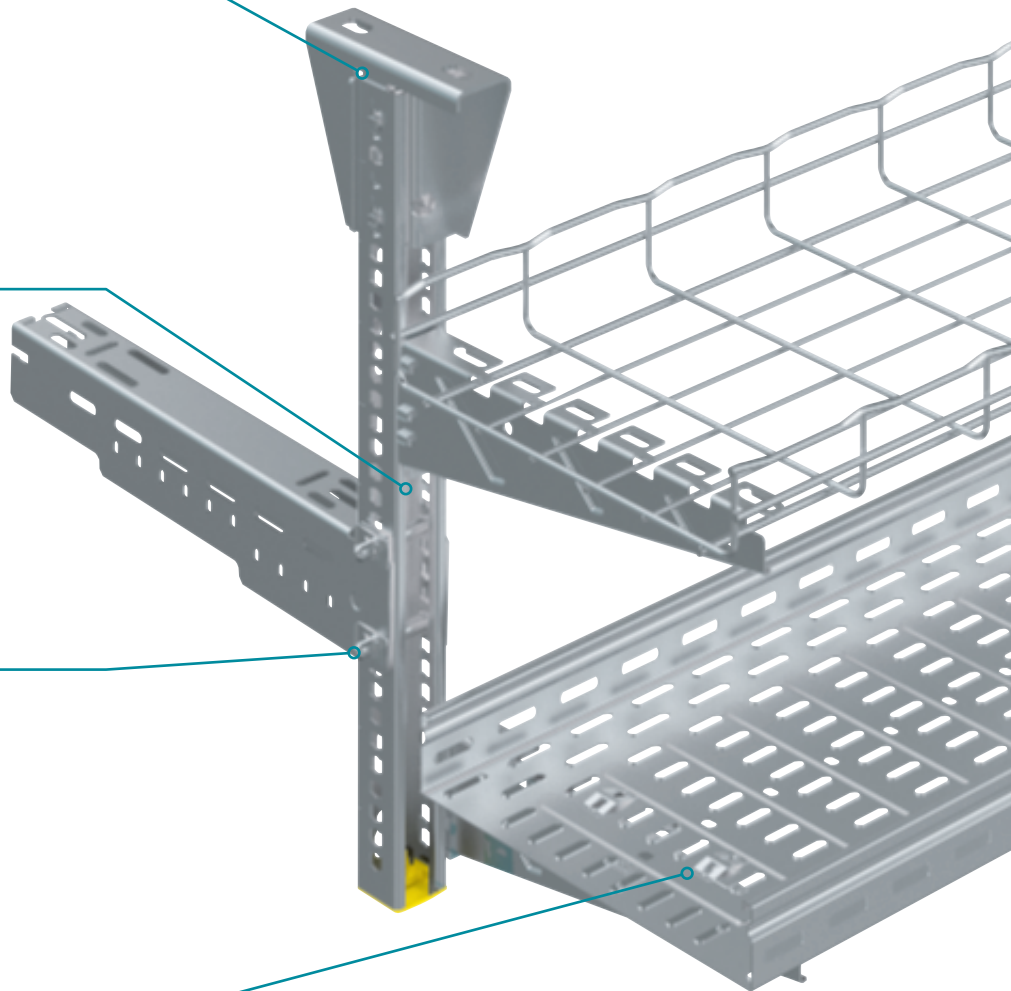
ANTI-ROTATION LUG

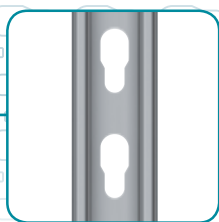
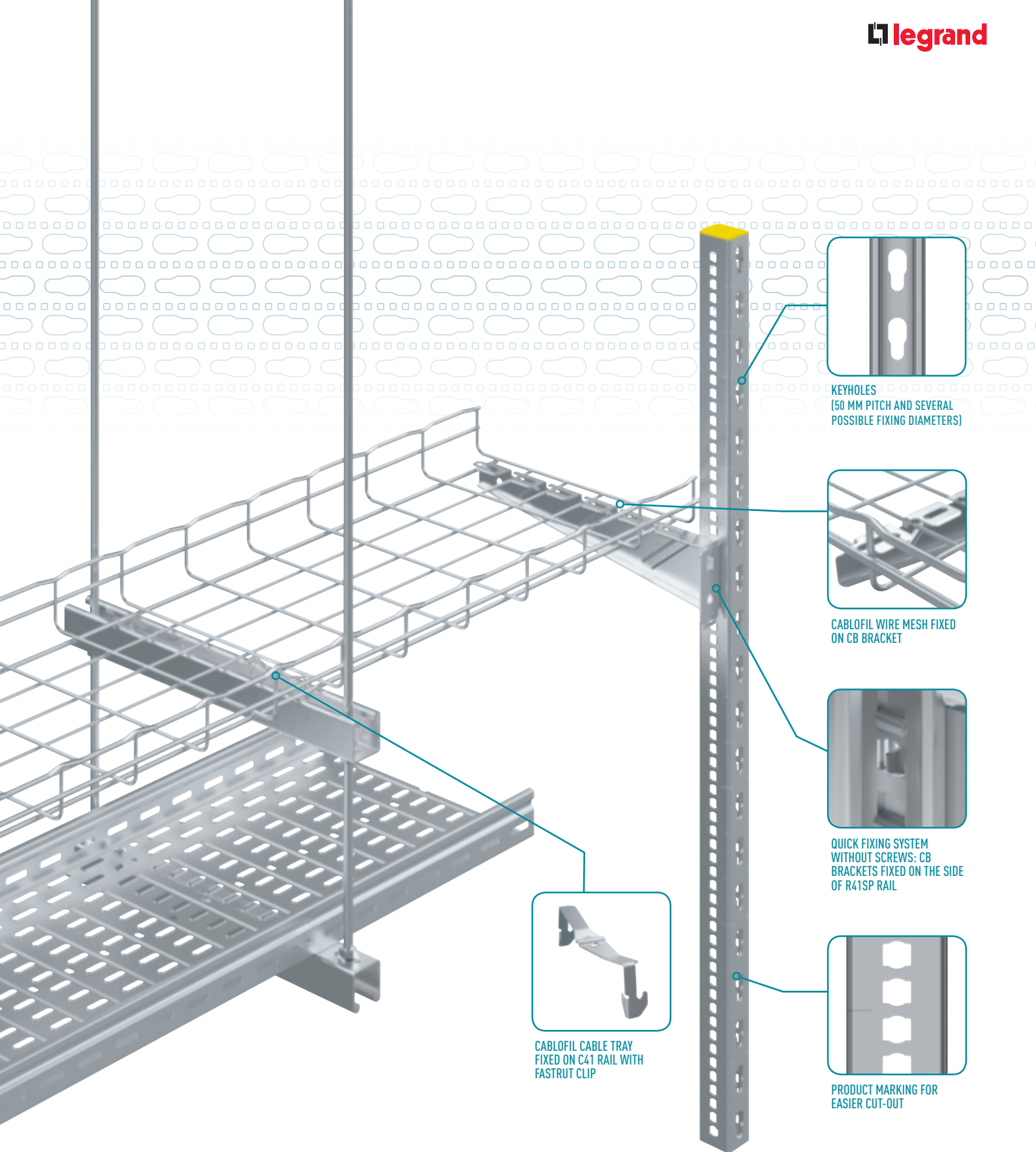


PG3 BRACKET
FIXED WITH KEYS

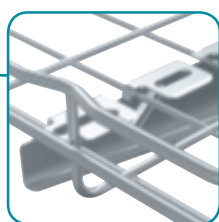


PERFORATED P31 CABLE TRAY
FIXED WITH BFC MULTICLIP
ON CB BRACKET

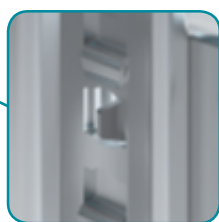




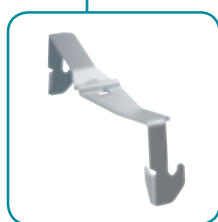
KEYHOLES
(50 MM PITCH AND SEVERAL
POSSIBLE FIXING DIAMETERS)



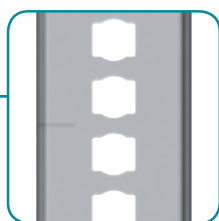
CABLOFIL WIRE MESH FIXED
ON CB BRACKET



QUICK FIXING SYSTEM
WITHOUT SCREWS: CB
BRACKETS FIXED ON THE SIDE
OF R41SP RAIL



CABLOFIL CABLE TRAY
FIXED ON C41 RAIL WITH
FASTRUT CLIP



PRODUCT MARKING FOR
EASIER CUT-OUT

- **Brackets fix easily onto the rail** thanks to side perforations, with or without screws as the installer wishes
- **Cable trays fix easily onto the brackets without screws**, thanks to dedicated accessories

Strut rail

R21S

	21 mm
	41 mm
	3 m



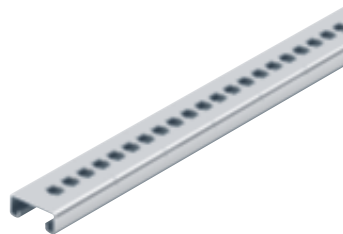
3 432 30

Conforms to standard IEC 61537

Pack	Cat. No				Description
	GS	GC	304L	316L	
Legrand					
1	3 421 80	3 421 83	-	3 421 84	1.5 mm thick R21S
1	3 432 30	3 432 33	3 432 38	3 432 34	2 mm thick R21S

R21SP

	21 mm
	41 mm
	3 m



3 480 49

Conforms to standard IEC 61537

Pack	Cat. No	Description
	GS	
Legrand		
1	3 480 49	2 mm thick R21SP

R41S

	41 mm
	41 mm
	3 m



3 437 50

Conforms to standard IEC 61537

Pack	Cat. No				Description
	GS	GC	304L	316L	
Legrand					
1	3 437 40	3 437 43	-	3 437 44	1.5 mm thick R41S
1	3 437 50	3 437 53	3 437 58	3 437 54	2 mm thick R41S
1	3 452 00	3 452 03	-	-	2.5 mm thick R41S

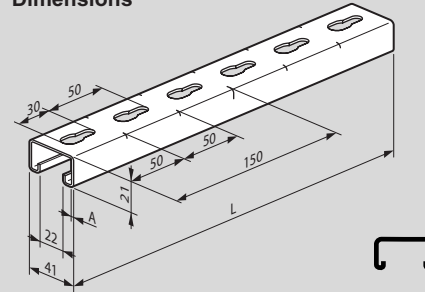
Strut rail

technical characteristics

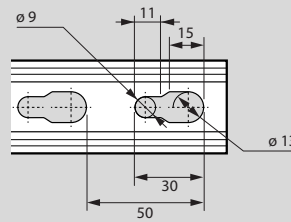
Products certified in accordance with paragraph 10.8.1 figures 6a and 6b of standard IEC EN 61537 when fixed onto a rigid support.

R21S

Dimensions

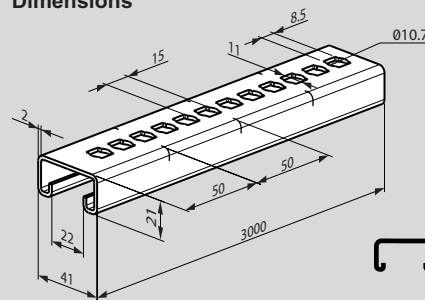


Cat. No	A (mm)	L (mm)
3 421 80	1.5	3000
3 421 83	1.5	3000
3 421 84	1.5	3000
3 432 30	2	3000
3 432 33	2	3000
3 432 34	2	3000
3 432 38	2	3000



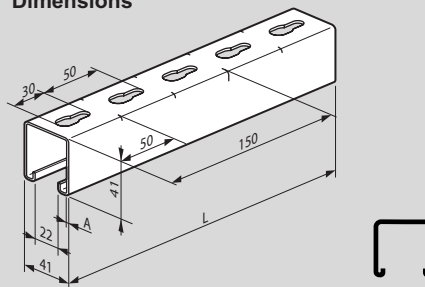
R21SP

Dimensions

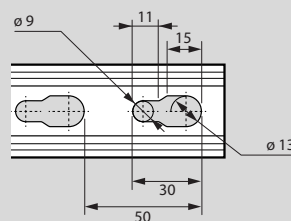


R41S

Dimensions



Cat. No	A (mm)	L (mm)
3 437 40	1.5	3000
3 437 43	1.5	3000
3 437 44	1.5	3000
3 437 50	2	3000
3 437 53	2	3000
3 437 54	2	3000
3 437 58	2	3000
3 452 00	2.5	3000
3 452 03	2.5	3000



Strut rail, end caps and fastrut

R41SP

	41 mm
	41 mm
	3 m



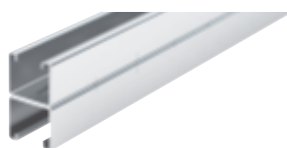
3 439 30

Conforms to standard IEC 61537
Side perforations make it easier to fix brackets

Pack	Cat. No			Description
	GS	GC	316L	
Legrand				
1	3 436 10	3 436 13	3 436 14	1.5 mm thick R41SP
1	3 439 30	3 439 33	3 439 34	2 mm thick R41SP

R41D

	82 mm
	41 mm
	3 m



3 420 10

Conforms to standard IEC 61537
Double rail for fixing brackets on each side when very heavy loads are involved

Pack	Cat. No			Description
	GS	GC	316L	
Legrand				
1	3 420 10	3 420 13	3 420 14	2.5 mm thick R41D
1	-	-	3 417 44	2 mm thick R41D

End caps

	21 - 41 mm
--	------------



3 485 76

3 485 77

Conforms to standard IEC 61537

Pack	Cat. No	Description
Legrand		
50	3 485 76	End cap for R21 rail
50	3 485 77	End caps for R41 rail (for the R41D rail, use 2 end caps)

Fastrut clip



5 990 07

For fixing wire cable trays on 21 and 41 rails and brackets without screws. Allow a minimum of 2 FS41 clips per bracket

Pack	Cat. No		Description	L (mm)
	DC	INOX		
Cablofil				
50	5 990 07	5 990 04	FS41 clip	73

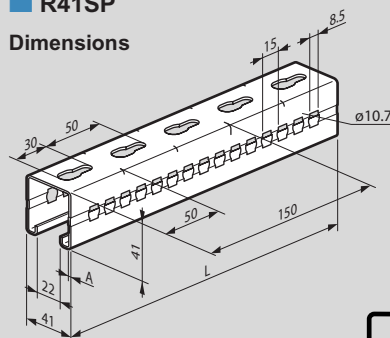
Cablofil : For all orders, precede the catalogue numbers with the prefix CM

Strut rail, end caps and fastrut

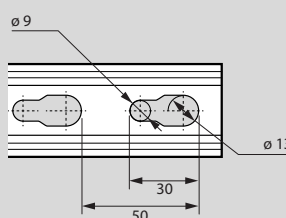
technical characteristics

R41SP

Dimensions



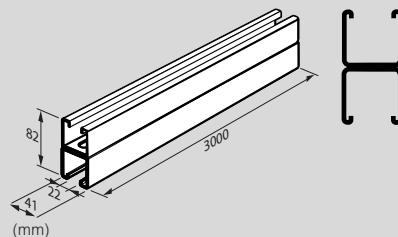
Cat. No	A (mm)	L (mm)
3 436 10	1.5	3000
3 436 13	1.5	3000
3 436 14	1.5	3000
3 439 30	2	3000
3 439 33	2	3000
3 439 34	2	3000



R41D

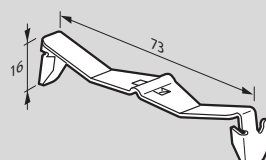
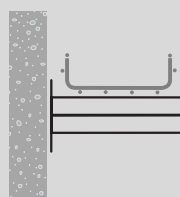
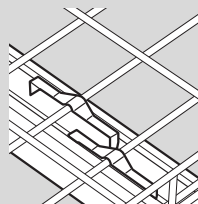
Dimensions

Products certified in accordance with paragraph 10.8.1 figures 6a and 6b of standard IEC EN 61537 when fixed onto a rigid support.



Fastrut clip

Mounting and dimensions



Fixings for rails and walkways

BFC Multiclip



3 492 52

For fixing sheet metal cable trays onto CB brackets without screws

Pack	Cat. No	Description	L (mm)
50	INOX Legrand 3 492 52	BFC Multiclip	73

E41 locknuts



8 019 61

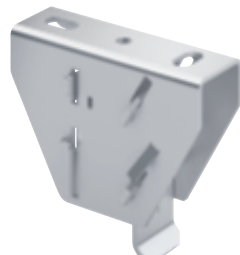
Range of locknuts for 21 and 41 rails and brackets

Pack	Cat. No		Description
	GS	GC	
	Cablofil		
50	8 019 41	8 019 43	6 mm diameter E41
50	8 019 51	8 019 53	8 mm diameter E41
50	8 019 61	8 019 63	10 mm diameter E41
50	8 019 71	8 019 73	12 mm diameter E41

PFR41S, PFN41S and PFE41S fixing accessories



5 953 80



3 497 56

For creating hangers with R41 rail

Pack	Cat. No			Description	Torque (DaNm)
	GS	GC	316L		
	Cablofil				
10	5 953 80	-	-	PFR41S for R41SP rail, screwless system	45
10	5 593 60	5 593 63	5 593 64	PFN41S for R41S and R41SP rails, screw fixing	100
	Legrand				
12	3 497 56	-	-	PFE41S - for R41S and R41SP rails, screwless system	45

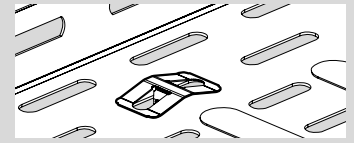
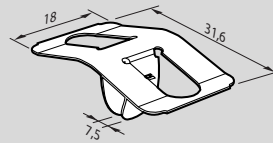
Cablofil : For all orders, precede the catalogue numbers with the prefix CM

Fixings for rails and walkways

technical characteristics

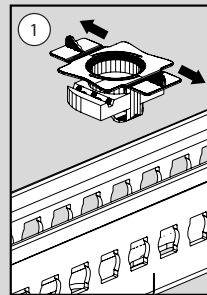
BFC Multiclip

Dimensions

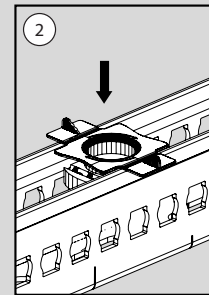


E41 locknuts

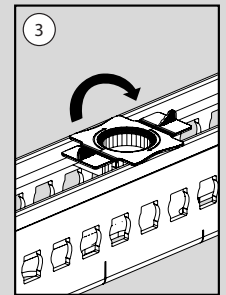
Mounting principle



1. Position the locknut with the tabs towards the rail outer edges



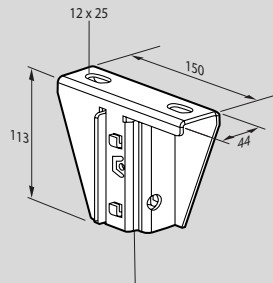
2. Insert the locknut in the rail



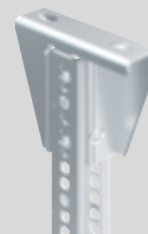
3. Swivel the locknut a 1/4-turn to lock it in position

PFR41S

Dimensions

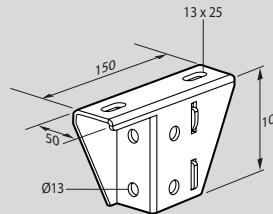


Installation principle

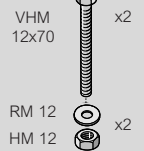
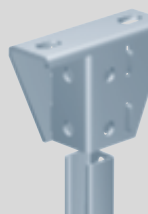


PFN41S

Dimensions

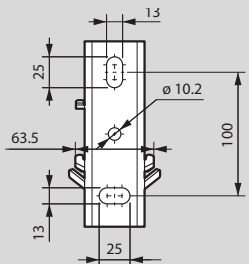
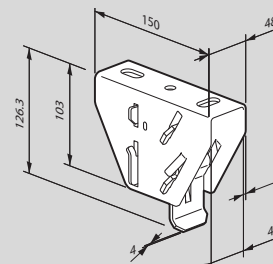


Installation principle



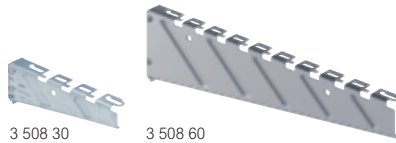
PFE41S

Dimensions



Brackets and keys

CB brackets



Can also be fixed on a hanger or R41SP rail
For fixing wire mesh cable trays with hinged lugs and sheet metal cable trays with screws or Multiclip CFB

Pack	Cat. No.			Description	Load (DaN)	L (mm)
	GS	GC	316L			
	Legrand					
10	3 508 00	3 508 03	3 508 04	CB50	80	80.7
10	3 508 10	3 508 13	3 508 14	CB100	115	130.7
10	3 508 20	3 508 23	3 508 24	CB150	110	180.7
10	3 508 30	3 508 33	3 508 34	CB200	110	230.7
10	3 508 40	3 508 43	3 508 44	CB300	150	334.7
10	3 508 50	3 508 53	3 508 54	CB400	150	434.7
10	3 508 60	3 508 63	3 508 64	CB500	200	534.7
10	3 508 70	3 508 73	3 508 74	CB600	160	634.7

PG3 brackets



Fix onto R41SP rails using 2 keys

Pack	Cat. No.			Description	Width (mm)
	GS	GC	316L		
	Legrand				
12	3 490 43	3 490 93	3 492 43	PG3 300	300
12	3 490 44	3 490 94	3 492 44	PG3 400	400
8	3 490 45	3 490 95	3 492 45	PG3 500	500
8	3 490 46	3 490 96	3 492 46	PG3 600	600

Keys and pins



For fixing PG3 brackets on R41SP rails

Pack	Cat. No.		Description
	GS	DC	
	Legrand		
20	3 419 26	3 492 66	10 mm diameter key
	Cablofil		
100	8 010 41	8 010 47	8 x 90 pin for EDF ladder

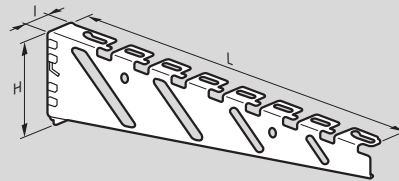
Cablofil : For all orders, precede the catalogue numbers with the prefix CM

Brackets and keys

technical characteristics

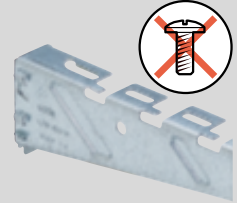
CB brackets

Dimensions

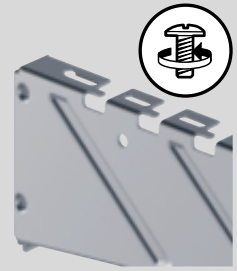


Cat. No.	L (mm)	H (mm)	W (mm)
3 508 00 3 508 03	80.7	71.4	40.9
3 508 10 3 508 13	130.7	71.4	40.9
3 508 20 3 508 23	180.7	74.8	40.9
3 508 30 3 508 33	230.7	74.8	40.9
3 508 40 3 508 43	334.7	88.4	41.6
3 508 50 3 508 53	434.7	102	41.6
3 508 60 3 508 63	534.7	136.9	37
3 508 70 3 508 73	634.7	136.9	37

Installation principle CB50 to CB400



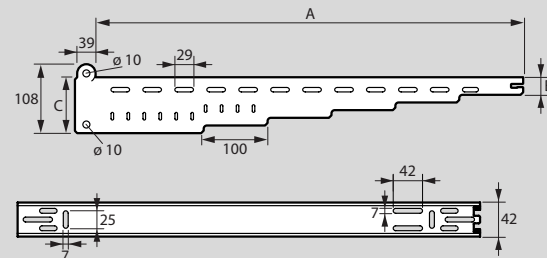
CB500 and CB600



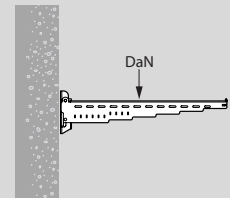
Can be fixed on R41SP rail with:
2 VHM 8x20 + 2 HM 8 + 2 RM 8

PG3 brackets

Dimensions



Cat. No.	A (mm)	B (mm)	C (mm)	Load (DaN)	Weight (kg)
3 490 43	362	68	82	120	1.48
3 490 93	362	68	82	120	1.63
3 492 43	362	68	82	120	1.48
3 490 44	462	56	93	250	1.80
3 490 94	462	56	93	250	1.95
3 492 44	462	56	93	250	1.80
3 490 45	562	44	93	250	2.00
3 490 95	562	44	93	250	2.20
3 492 45	562	44	93	250	2.00
3 490 46	662	32	93	250	2.80
3 490 96	662	32	93	250	3.00
3 492 46	662	32	93	250	2.80





FOLLOW US ON

@ www.legrand.com

 www.youtube.com/user/legrand

 twitter.com/legrand

 pinterest.com/legrandgroup



Head office

and International Department
87045 Limoges Cedex - France
Tel: + 33(0)5 55 06 87 87
Fax: + 33(0)5 55 06 74 55