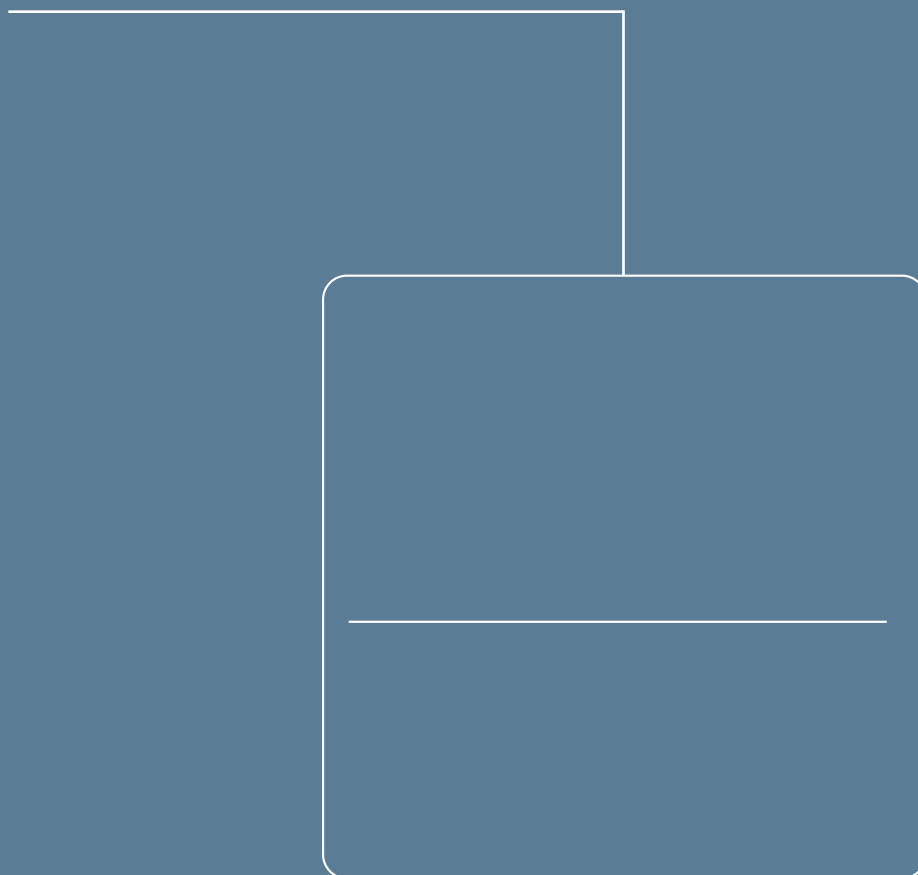
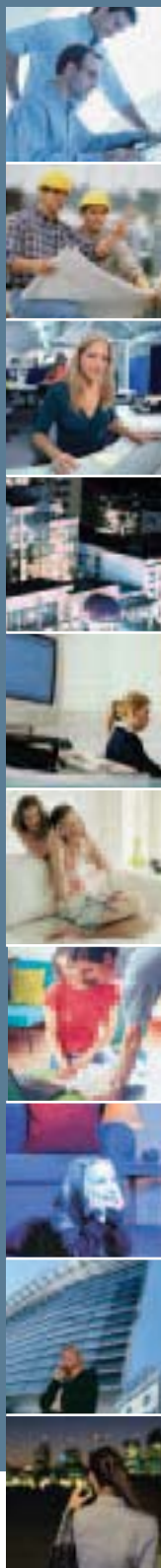




cable ladders

PRODUCTS AND SYSTEMS FOR ELECTRICAL INSTALLATIONS AND INFORMATION NETWORKS

VAN GEEL



System for light duty to medium duty applications

The GLO-4 cable ladder of Van Geel is often applied in commercial buildings. The system has numerous variants in strength and dimensions. In combination with a range of accessories this system allows for quick and flexible installation. The Van Geel GLO-4 programme is available in a pregalvanised and in a hot dip galvanised version.

■ Programme

	Heights	Widths	Rung distances	Other features of rungs and side walls	Beam thicknesses	Lengths	Materials/finishings
Cable ladder GLO-4 light duty	60 mm	200, 300, 400, 500, 600 mm	100, 200, 300 mm	Perforated side wall profiles and low, unperforated rungs (22 x 10 mm)	1,25 mm	3000, 6000 mm	Pregalvanised
	100 mm	200, 300, 400, 500, 600 mm	100, 200, 300 mm	Perforated side wall profiles and low, unperforated rungs (22 x 10 mm)	1,25 mm	3000, 6000 mm	Pregalvanised
Cable ladder GLO-4 medium heavy duty	60 mm	200, 300, 400, 500, 600 mm	200, 300 mm	Perforated side wall profiles and raised, perforated rungs (22 x 28 mm)	1,25 mm	3000, 6000 mm	Pregalvanised Hot dip galvanised ⁽¹⁾
	100 mm	200, 300, 400, 500, 600 mm	200, 300 mm	Perforated side wall profiles and raised, perforated rungs (22 x 28 mm)	1,25 mm	3000, 6000 mm	Pregalvanised Hot dip galvanised ⁽¹⁾

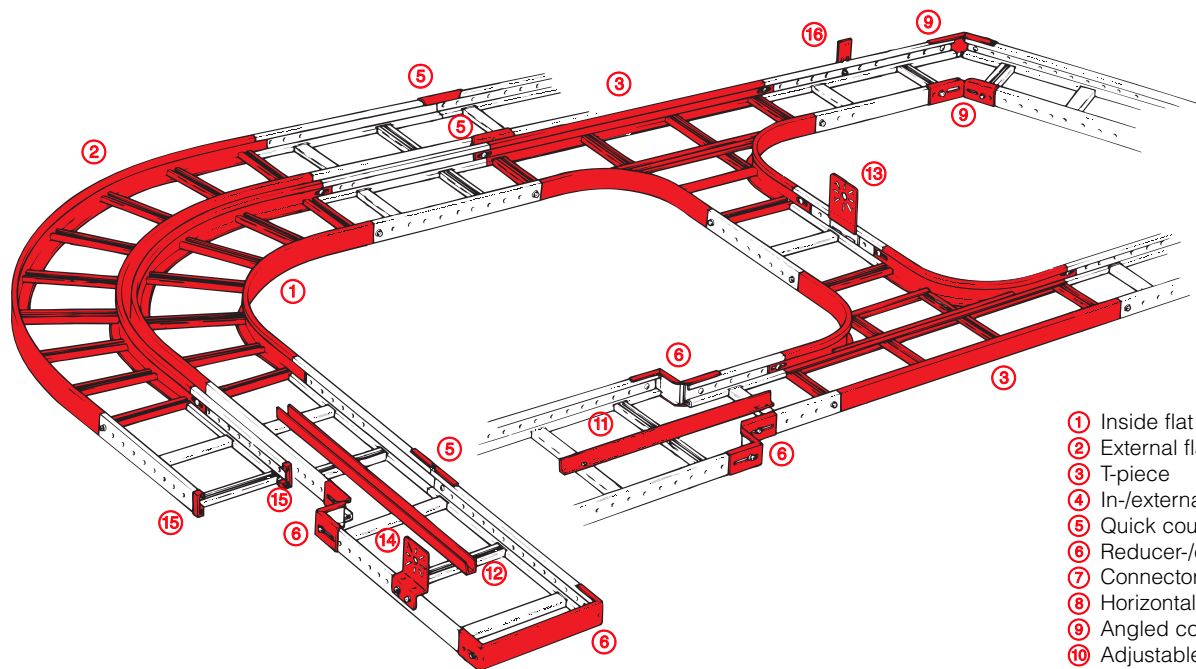
(1) only in length 3000 mm

■ Characteristics

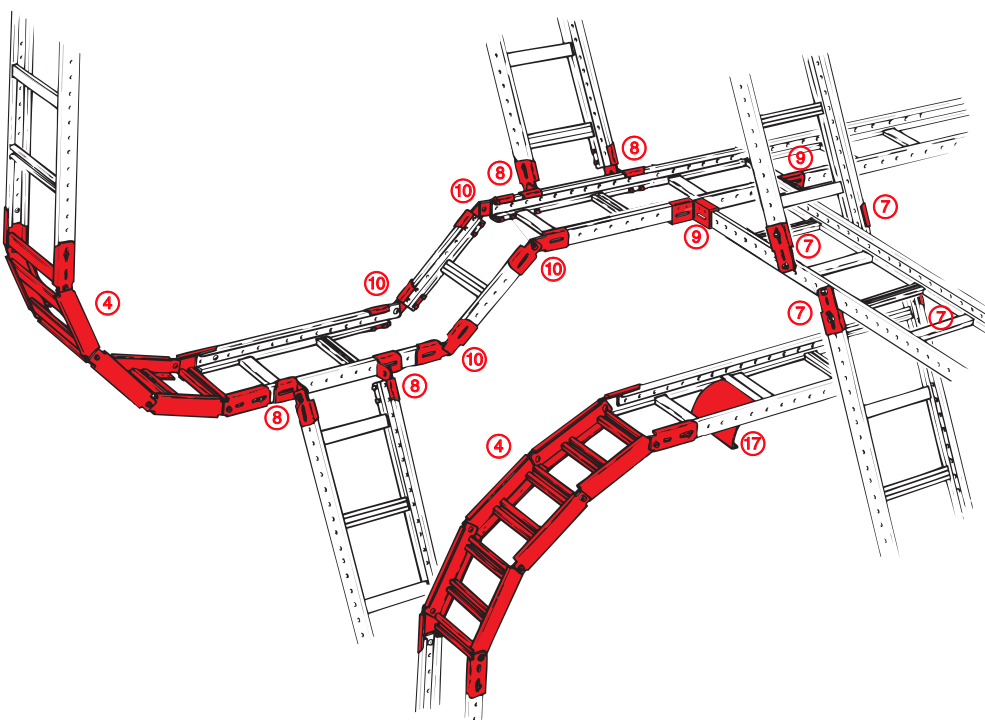
- To be coupled with screwless quick coupler
- Complete range of accessories
- Fittings can be installed without coupling plate
- Rungs of accessories have all been mounted with the opening facing upward with a fixed rung distance of 200 mm
- Choice from various supporting systems
- A tested and approved programme for numerous applications
- Available upon request:
 - Deviating rung distances for cable ladder
 - Painted version, polyester epoxy powder coating
- Rungs alternately upward and downward

■ Standards

- Complies with standard IEC 61537 (VDE E 0639)
- Pregalvanised in accordance with NEN EN 10346
- Hot dip galvanised in accordance with NEN EN 1461 (+/- 50 µm)



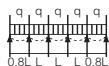
- ① Inside flat bend
- ② External flat bend
- ③ T-piece
- ④ In-/external riser
- ⑤ Quick coupler (screwless)
- ⑥ Reducer-/end piece
- ⑦ Connector flange
- ⑧ Horizontal branching pieces
- ⑨ Angled connector
- ⑩ Adjustable coupling set
- ⑪ Partition "L"
- ⑫ Datachannel cable ladder
- ⑬ Clip on assembly plate
- ⑭ Assembly plate universal
- ⑮ End caps
- ⑯ Pipe support
- ⑰ Drop-out plate



Loading graphs

Calculate the maximum support distance

Loading graphs are valid with multi-field support in which the end field is 0.8 of the normal span:



■ H = 60 mm, light duty rung

The graph shows which maximum support distance can be applied with a certain load. If the cable weight is unknown, 120 N/m per 100 mm ladder width can be assumed for a practical cable load.

Example:

Load is 800 N/m.

This gives according to the graph a support distance of 2.5 m, the deflection is then about 12.5 mm.

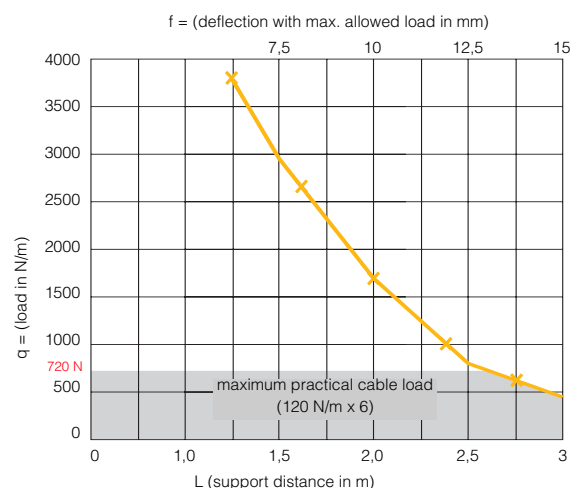
Subsequently, the rung distance is selected (see table).

The example shows that with a load of 800 N/m and a ladder width of 600 mm a rung distance of 300 mm may be taken (allowed rung load is 1350 N/m).

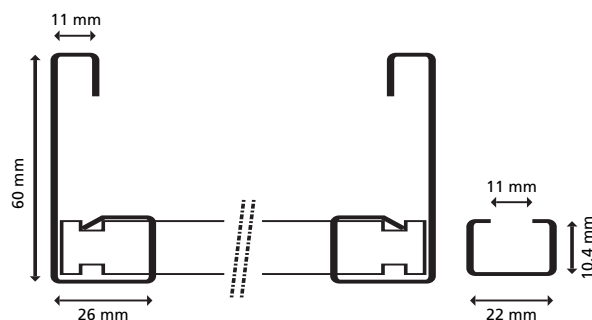
■ Selection of rung distance

Ladder width	Rung distance 300 mm	Rung distance 200 mm	Rung distance 100 mm
200 mm	4200 N/m	6000 N/m	6000 N/m
300 mm	2600 N/m	3900 N/m	6000 N/m
400 mm	1900 N/m	2800 N/m	5650 N/m
500 mm	1650 N/m	2450 N/m	4950 N/m
600 mm	1350 N/m	2050 N/m	4050 N/m

■ Loading graph cable ladder H = 60 mm light duty



■ Cross-section ladder GLO-4 H = 60 mm light duty



■ H = 60 mm, medium duty rung

The graph shows which maximum support distance can be applied with a certain load. If the cable weight is unknown, 120 N/m per 100 mm ladder width can be assumed for a practical cable load.

Example:

Load is 1700 N/m.

This gives according to the graph a support distance of 2 m, the deflection is then about 10 mm.

Subsequently, the rung distance is selected (see table).

The example shows that with a load of 1700 N/m and a ladder width of 600 mm a rung distance of 300 mm may be taken (allowed rung load is 4400 N/m).

■ Selection of rung distance

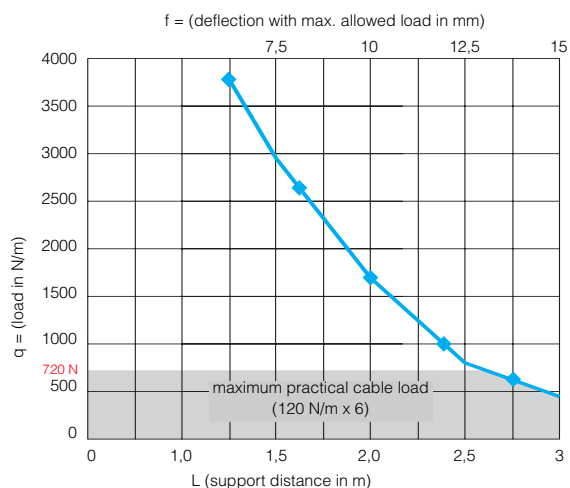
Ladder width	Rung distance 300 mm	Rung distance 200 mm
200 mm	6000 N/m	6000 N/m
300 mm	6000 N/m	6000 N/m
400 mm	6000 N/m	6000 N/m
500 mm	5350 N/m	6000 N/m
600 mm	4400 N/m	6000 N/m

It is not allowed to:

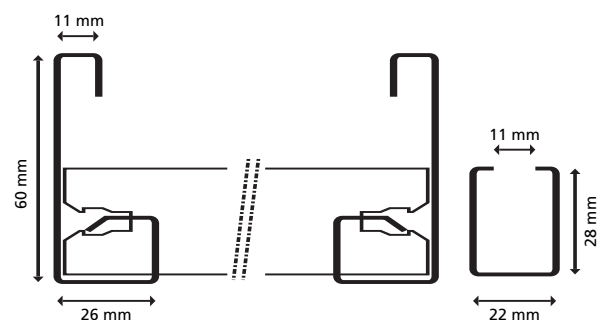
- Let ladders, scaffolds or other objects lean on the cable ladder installation
- Walk across the cable ladder installation

All loading graphs are based on positioning of the coupling in any place in the span and therefore apply to the situation in which the coupling has been positioned in the middle between two supporting points.
The closer the coupling is positioned to a supporting point, the more strength and less deflection is achieved.

■ Loading graph cable ladder H = 60 mm medium duty rung



■ Cross-section ladder GLO-4 H = 60 mm medium duty rung



Loading graphs *(continued)*

Calculate the maximum support distance

■ H = 100 mm, light duty rung

The graph shows which maximum support distance can be applied with a certain load. If the cable weight is unknown, 180 N/m per 100 mm ladder width can be assumed for a practical cable load.

Example:

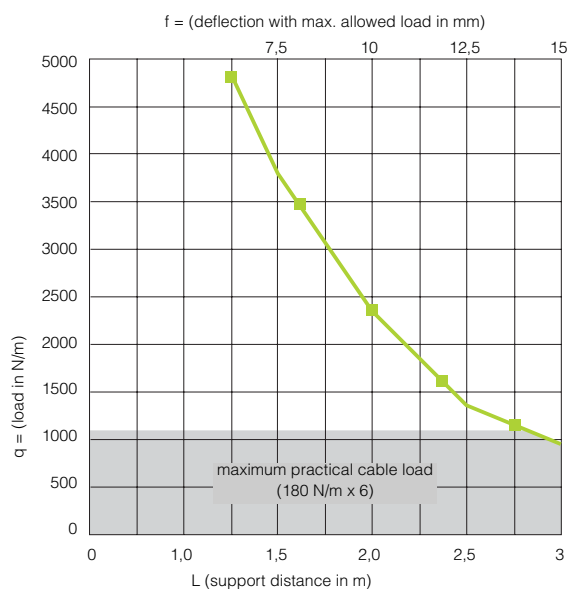
Load is 2300 N/m.

This gives according to the graph a support distance of 2 m, the deflection is then about 10 mm.

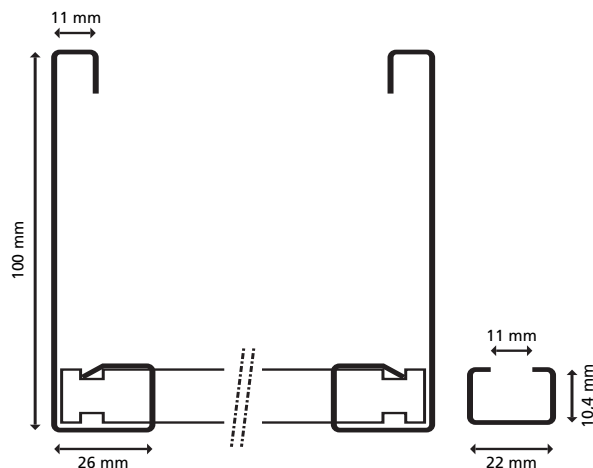
Subsequently, the rung distance is selected (see table).

The example shows that with a load of 2300 N/m and a ladder width of 400 mm a rung distance of 200 mm is to be taken (allowed rung load is 2800 N/m).

■ Loading graph cable ladder H = 100 mm light duty rung



■ Cross-section ladder GLO-4 H = 100 mm light duty rung



■ Selection of rung distance

Ladder width	Rung distance 300 mm	Rung distance 200 mm	Rung distance 100 mm
200 mm	4200 N/m	6000 N/m	6000 N/m
300 mm	2600 N/m	3900 N/m	6000 N/m
400 mm	1900 N/m	2800 N/m	5650 N/m
500 mm	1650 N/m	2450 N/m	4950 N/m
600 mm	1350 N/m	2050 N/m	4050 N/m

■ H = 100 mm, medium duty rung

The graph shows which maximum support distance can be applied with a certain load. If the cable weight is unknown, 180 N/m per 100 mm ladder width can be assumed for a practical cable load.

Example:

Load is 2300 N/m.

This gives according to the graph a support distance of 2 m, the deflection is then about 10 mm.

Subsequently, the rung distance is selected (see table).

The example shows that with a load of 2300 N/m and a ladder width of 500 mm a rung distance of 300 mm may be taken (allowed rung load is 5350 N/m).

■ Selection of rung distance

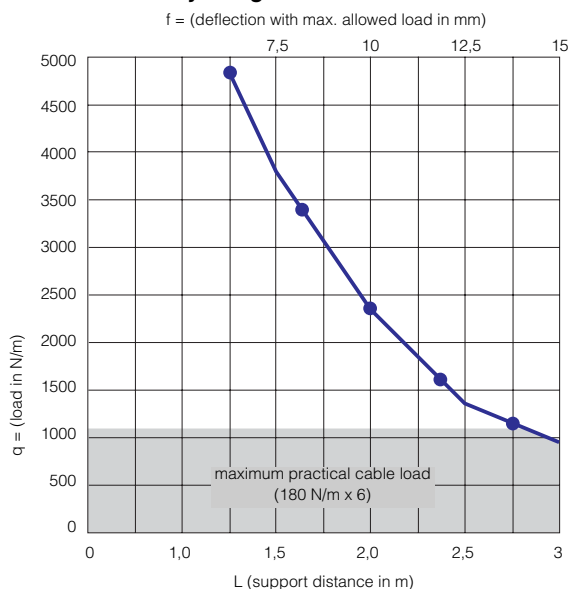
Ladder width	Rung distance 300 mm	Rung distance 200 mm
200 mm	6000 N/m	6000 N/m
300 mm	6000 N/m	6000 N/m
400 mm	6000 N/m	6000 N/m
500 mm	5350 N/m	6000 N/m
600 mm	4400 N/m	6000 N/m

It is not allowed to:

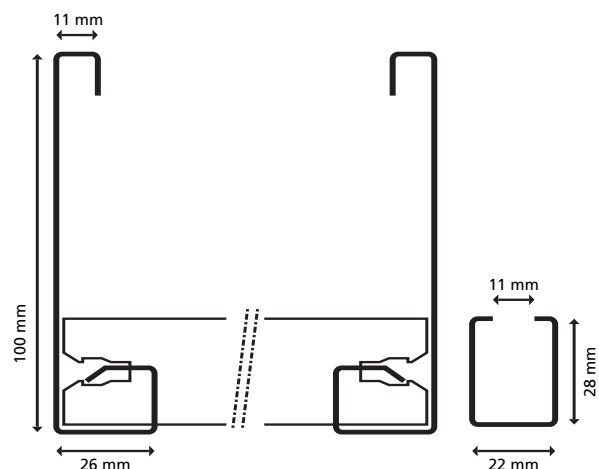
- Let ladders, scaffolds or other objects lean on the cable ladder installation
- Walk across the cable ladder installation

All loading graphs are based on positioning of the coupling in any place in the span and therefore apply to the situation in which the coupling has been positioned in the middle between two supporting points. The closer the coupling is positioned to a supporting point, the more strength and less deflection is achieved.

■ Loading graph cable ladder H = 100 mm medium duty rung

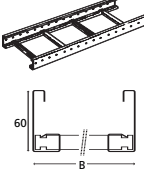


■ Cross-section ladder GLO-4 H = 100 mm medium duty rung



selection table cable ladder Van Geel GL0-4 pregalvanised

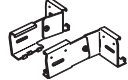
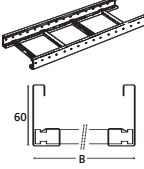
H = 60 mm light duty rung

	Width	Cable ladder 				Cover 
		Rung distance 300 mm		Rung distance 200 mm		Length 2000 mm
		Length 3000 mm	Length 6000 mm	Length 3000 mm	Length 6000 mm	
Cable ladder light duty rung 	200 mm	83111 32	83111 62	83111 22	83111 52	82111 20
	300 mm	83111 33	83111 63	83111 23	83111 53	82111 30
	400 mm	83111 34	83111 64	83111 24	83111 54	82111 40
	500 mm	83111 35	83111 65	83111 25	83111 55	82111 50
	600 mm	83111 36	83111 66	83111 26	83111 56	82111 60
Fixing material		-	-	-	-	4x  ⁽¹⁾

(1) Lid fixing clamp ref.no. 82360 00

(2) Flanged screw M6 x 10 ref.no. 82001 00 + collar nut M6 ref.no. 82002 00

(3) Sliding nut M5 ref.no. 83130 00

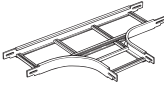
	Width	Reducer/end piece 	Connector flange 	Horizontal branching pieces 	Angled connector 	Adjustable coupling set 
		Length 794 mm				
Cable ladder light duty rung 	200 mm	341161	83131 20	83131 30	83131 40	83131 50
	300 mm	341161	83131 20	83131 30	83131 40	83131 50
	400 mm	341161	83131 20	83131 30	83131 40	83131 50
	500 mm	341161	83131 20	83131 30	83131 40	83131 50
	600 mm	341161	83131 20	83131 30	83131 40	83131 50
Fixing material		(2)  2x	(2)  2x		(2)  2x	

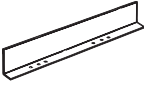
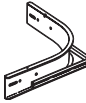
(1) Lid fixing clamp ref.no. 82360 00

(2) Flanged screw M6 x 10 ref.no. 82001 00 + collar nut M6 ref.no. 82002 00

(3) Sliding nut M5 ref.no. 83130 00

Rungdistance 100 mm on demand

Inside flat bend	External flat bend	T-piece	In-/external riser	Lid fixing clamp Note: SS	Quick coupler
					
83121 12	83121 22	83121 32	83121 52	82360 00	83131 80
83121 13	83121 23	83121 33	83121 53	82360 00	83131 80
83121 14	83121 24	83121 34	83121 54	82360 00	83131 80
83121 15	83121 25	83121 35	83121 55	82360 00	83131 80
83121 16	83121 26	83121 36	83121 56	82360 00	83131 80
4x  ⁽²⁾	4x  ⁽²⁾	6x  ⁽²⁾	4x  ⁽²⁾		

Partition "L"	Universal branch	Clip on assembly plate	Assembly plate universal	Assembly plate horizontal I ⁽⁴⁾
				
82312 01	83121 90	83120 10	82352 00	83120 20
82312 01	83121 90	83120 10	82352 00	83120 20
82312 01	83121 90	83120 10	82352 00	83120 20
82312 01	83121 90	83120 10	82352 00	83120 20
82312 01	83121 90	83120 10	82352 00	83120 20
4x  ⁽³⁾	2x  ⁽²⁾		2x  ⁽²⁾	

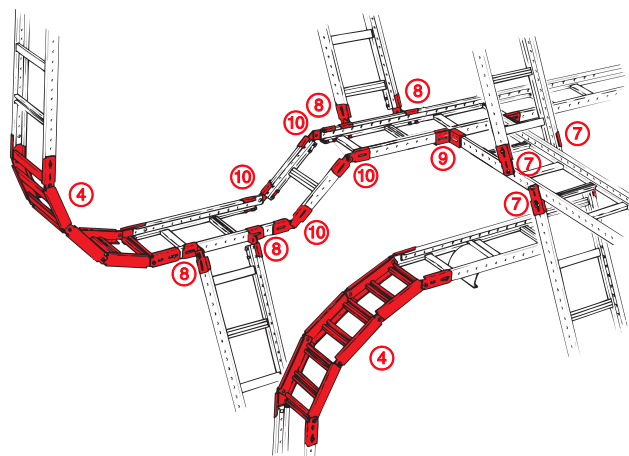
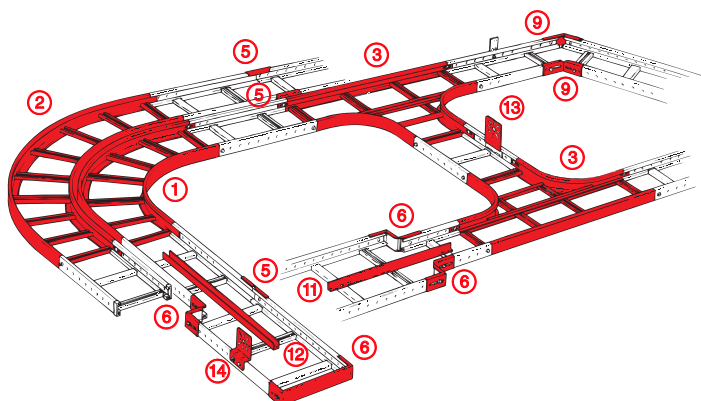
(4) Only use with GLO-4 H = 60 mm with rung distance 300 mm

Fixing materials + accessories (page 130)

cable ladder Van Geel GLO-4 pregalvanised

H = 60 mm light duty rung

PG
60



Selection table (page 106)
Dimensions (page 132)

Packaging	Ref.no.	Cable ladder*
		Continuing side wall perforation for mounting Rung opening alternately upward and downward

Rung distance 300 mm

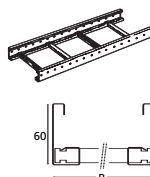
Width	Length
1 83111 32	200 mm 3000 mm
1 83111 33	300 mm 3000 mm
1 83111 34	400 mm 3000 mm
1 83111 35	500 mm 3000 mm
1 83111 36	600 mm 3000 mm

1 83111 62	200 mm 6000 mm
1 83111 63	300 mm 6000 mm
1 83111 64	400 mm 6000 mm
1 83111 65	500 mm 6000 mm
1 83111 66	600 mm 6000 mm

Rung distance 200 mm

1 83111 22	200 mm 3000 mm
1 83111 23	300 mm 3000 mm
1 83111 24	400 mm 3000 mm
1 83111 25	500 mm 3000 mm
1 83111 26	600 mm 3000 mm

1 83111 52	200 mm 6000 mm
1 83111 53	300 mm 6000 mm
1 83111 54	400 mm 6000 mm
1 83111 55	500 mm 6000 mm
1 83111 56	600 mm 6000 mm



Packaging	Ref.no.	Cover
		Length 2000 mm Fix with cover clamp ref.no. 82360 00

Width
1 82111 20 200 mm
1 82111 30 300 mm
1 82111 40 400 mm
1 82111 50 500 mm
1 82111 60 600 mm



Accessories

Inside flat bend ①

Inside radius 445 mm
Rung openings upward. Insert flanges into the side wall profile of the ladder

Width
1 83121 12 200 mm
1 83121 13 300 mm
1 83121 14 400 mm
1 83121 15 500 mm
1 83121 16 600 mm



External flat bend ②

Inside radius B + 575 mm
Rung openings upward. Insert flanges into the side wall profile of the ladder

1 83121 22 200 mm
1 83121 23 300 mm
1 83121 24 400 mm
1 83121 25 500 mm
1 83121 26 600 mm



T-piece ③

Radius 445 mm
Rung openings upward. Insert flanges into the side wall profile of the ladder

1 83121 32 200 mm
1 83121 33 300 mm
1 83121 34 400 mm
1 83121 35 500 mm
1 83121 36 600 mm



In-/external riser ④

Adjustable up to 90°, radius ca. 500 mm
Rung openings upward. Insert flanges into the side wall profile of the ladder

1 83121 52 200 mm
1 83121 53 300 mm
1 83121 54 400 mm
1 83121 55 500 mm
1 83121 56 600 mm



Riser ladder

Length 3000 mm, rung distance 300 mm
Rung opening 11 mm suitable for cable clamps
HB Ø8 - 56 mm

Width
1 83196 32 200 mm
1 83196 33 300 mm
1 83196 34 400 mm
1 83196 35 500 mm
1 83196 36 600 mm



Sidewall riserladder

Length 3000 mm

1 83192 30



cable ladder Van Geel GLO-4 pregalvanised

H = 60 mm light duty rung *[continued]*

PG
60



83111 33

Packaging Ref.no. Accessories

50 82360 00 **Lid fixing clamp**
Note: SS
For fixing covers
1 clamp per metre on each side is sufficient

1 83131 80 **Quick coupler ⑤**
Screwless

1 341161 **Reducer-/end piece ⑥**
Is delivered flat and is to be bent into the required form along the perforation
Length 794 mm

1 83131 20 **Connector flange ⑦**
For riser connection in a continuing ladder

1 83131 30 **Horizontal branching pieces ⑧**
First clamp on the ladder head end, then couple to the continuing ladder tray. Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"

1 83131 40 **Angled connector ⑨**
For straight or corner connection

1 83131 50 **Adjustable coupling set ⑩**
Clamp onto ladder head end. Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"

10 82312 01 **Partition "L" ⑪**
Length 3000 mm
To be fixed on rung by means of 4x sliding nut M5 ref.no. 83130 00 or cable ties

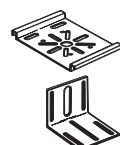
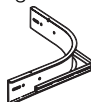
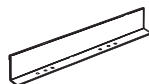
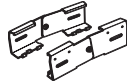
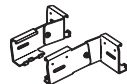
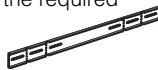
1 83121 90 **Universal branch**
Radius 243 mm

1 83120 10 **Clip on assembly plate ⑬**
To be clamped in side wall profile without using screws Perforated for horizontal bending
Not applicable with rung distance 100 mm

1 82352 00 **Assembly plate universal ⑭**
With bushing and suitable for placement of cable clamp. Perforated for horizontal bending

1 83120 20 **Assembly plate horizontal**
Only to be used with rung distance 300 mm

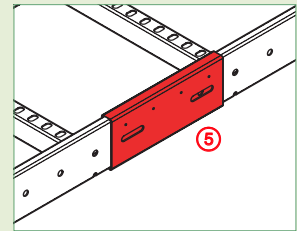
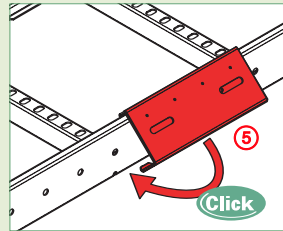
10 83131 60 **Wall bracket**
80 x 56 mm



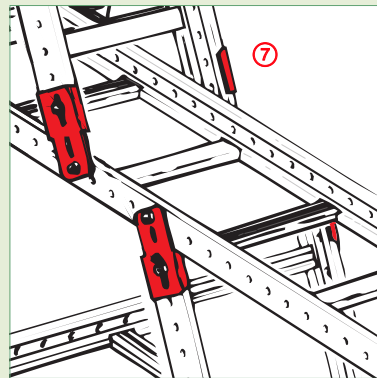
cable ladder Van Geel GLO-4 installation instructions

H = 60 mm light duty rung

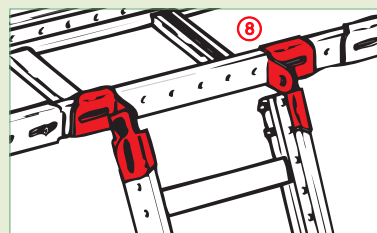
Installation instructions quick coupler



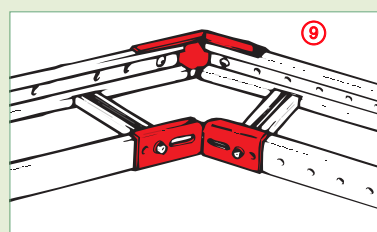
Installation instructions connector flange



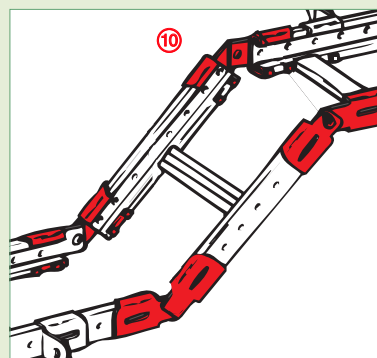
Installation instructions horizontal branching pieces



Installation instructions angled connector

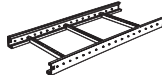
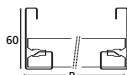


Installation instructions adjustable coupling set



selection table cable ladder Van Geel GL0-4 pregalvanised

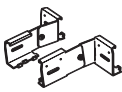
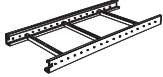
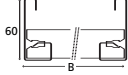
H = 60 mm medium duty rung

	Width	Cable ladder 		Cover 	Inside flat bend 		
		Rung distance 300 mm	Rung distance 300 mm	Length 2000 mm			
		Length 3000 mm	Length 6000 mm				
Cable ladder medium duty rung  	200 mm	83114 32	83114 62	82111 20	83124 12		
	300 mm	83114 33	83114 63	82111 30	83124 13		
	400 mm	83114 34	83114 64	82111 40	83124 14		
	500 mm	83114 35	83114 65	82111 50	83124 15		
	600 mm	83114 36	83114 66	82111 60	83124 16		
Fixing material		-	-	4x  ⁽¹⁾	4x  ⁽²⁾		

(1) Lid fixing clamp ref.no. 82360 00

(2) Flanged screw M6 x 10 ref.no. 82001 00 + collar nut M6 ref.no. 82002 00

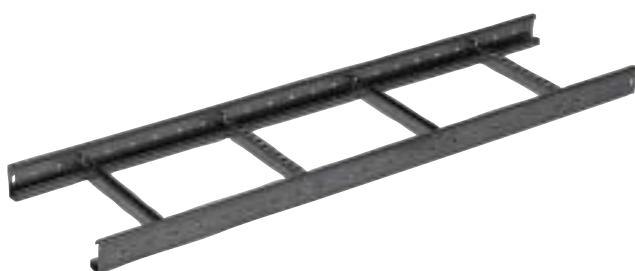
(3) Sliding nut M5 ref.no. 83130 00

	Width	Reducer/end piece 	Connector flange 	Horizontal branching pieces 	Angled connector 	Adjustable coupling set 	
		Length 794 mm					
Cable ladder medium duty rung  	200 mm	341161	83131 20	83131 30	83131 40	83131 50	
	300 mm	341161	83131 20	83131 30	83131 40	83131 50	
	400 mm	341161	83131 20	83131 30	83131 40	83131 50	
	500 mm	341161	83131 20	83131 30	83131 40	83131 50	
	600 mm	341161	83131 20	83131 30	83131 40	83131 50	
Fixing material		2x  ⁽²⁾	2x  ⁽²⁾		2x  ⁽²⁾		

(1) Lid fixing clamp ref.no. 82360 00

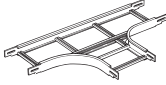
(2) Flanged screw M6 x 10 ref.no. 82001 00 + collar nut M6 ref.no. 82002 00

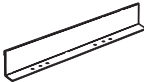
(3) Sliding nut M5 ref.no. 83130 00



83114 33

Rungdistance 200 mm on demand

External flat bend	T-piece	In-/external riser	Lid fixing clamp	Quick coupler	
					
83124 22	83124 32	83124 52	82360 00	83131 80	
83124 23	83124 33	83124 53	82360 00	83131 80	
83124 24	83124 34	83124 54	82360 00	83131 80	
83124 25	83124 35	83124 55	82360 00	83131 80	
83124 26	83124 36	83124 56	82360 00	83131 80	
4x  ⁽²⁾	6x  ⁽²⁾	4x  ⁽²⁾			

Partition "L"				Universal branch	Clip on assembly plate	Assembly plate universal	Assembly plate horizontal ⁽⁴⁾
							
83124 00				83124 90	83120 10	82352 00	83120 20
83124 00				83124 90	83120 10	82352 00	83120 20
83124 00				83124 90	83120 10	82352 00	83120 20
83124 00				83124 90	83120 10	82352 00	83120 20
83124 00				83124 90	83120 10	82352 00	83120 20
4x  ⁽³⁾				2x  ⁽²⁾		2x  ⁽²⁾	

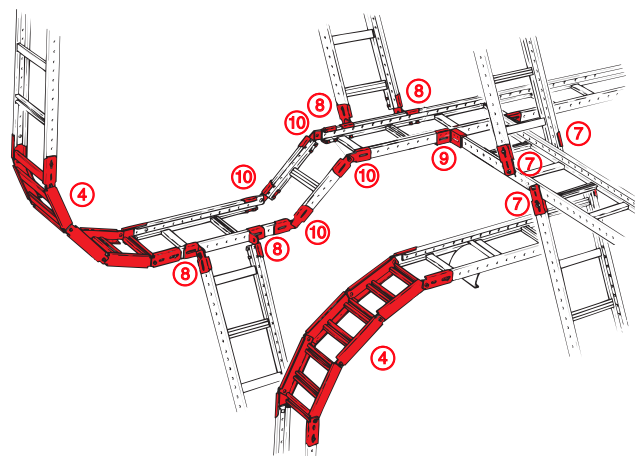
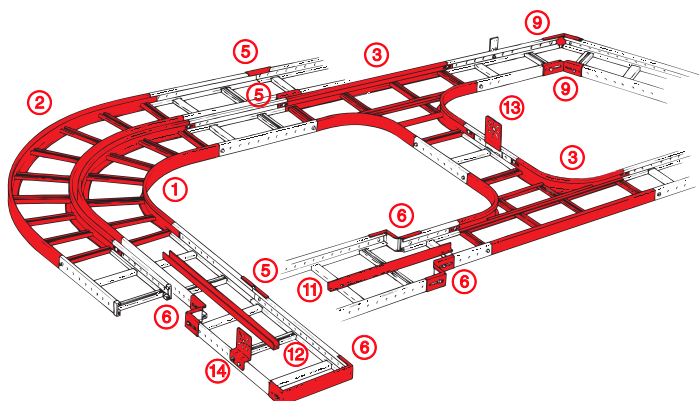
(4) Only use with GLO-4 H = 60 mm with rung distance 300 mm

Fixing materials & accessories (page 134)

cable ladder Van Geel GLO-4 pregalvanised

H = 60 mm medium duty rung

PG
60



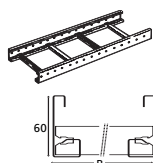
Selection table (page 110)
Dimensions (page 132)

Packaging	Ref.no.	Cable ladder
		Continuing side wall perforation for mounting Rung opening alternately upward and downward

Rung distance 300 mm

Width Length

1	83114 32	200 mm	3000 mm
1	83114 33	300 mm	3000 mm
1	83114 34	400 mm	3000 mm
1	83114 35	500 mm	3000 mm
1	83114 36	600 mm	3000 mm
1	83114 62	200 mm	6000 mm
1	83114 63	300 mm	6000 mm
1	83114 64	400 mm	6000 mm
1	83114 65	500 mm	6000 mm
1	83114 66	600 mm	6000 mm



Cover

Length 2000 mm
Fix with Lid fixing clamp ref.no. 82360 00

Width

1	82111 20	200 mm
1	82111 30	300 mm
1	82111 40	400 mm
1	82111 50	500 mm
1	82111 60	600 mm



Accessories

Inside flat bend ①

Inside radius 445 mm
Rung openings upward
Insert flanges into the side wall profile of the ladder

Width

1	83124 12	200 mm
1	83124 13	300 mm
1	83124 14	400 mm
1	83124 15	500 mm
1	83124 16	600 mm



Packaging	Ref.no.	Accessories (continued)
-----------	---------	-------------------------

External flat bend ②

Inside radius B + 575 mm
Rung openings upward
Insert flanges into the side wall profile of the ladder

Width

1	83124 22	200 mm
1	83124 23	300 mm
1	83124 24	400 mm
1	83124 25	500 mm
1	83124 26	600 mm



T-piece ③

Radius 445 mm
Rung openings upward
Insert flanges into the side wall profile of the ladder

1	83124 32	200 mm
1	83124 33	300 mm
1	83124 34	400 mm
1	83124 35	500 mm
1	83124 36	600 mm



In-/external riser ④

Adjustable up to 90°
Radius ca. 500 mm
Rung openings upward
Insert flanges into the side wall profile of the ladder

1	83124 52	200 mm
1	83124 53	300 mm
1	83124 54	400 mm
1	83124 55	500 mm
1	83124 56	600 mm



Accessories

Lid fixing clamp

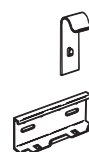
Note: SS
For fixing covers
1 clamp per meter on each side is sufficient

50	82360 00
----	----------

Quick coupler ⑤

Screwless

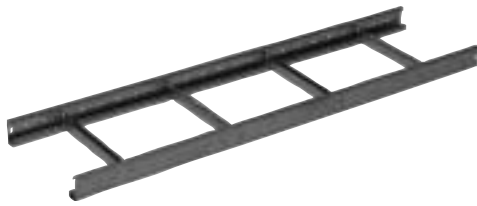
1	83131 80
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cable ladder Van Geel GLO-4 pregalvanised

H = 60 mm medium duty rung *(continued)*

PG
60



83114 33

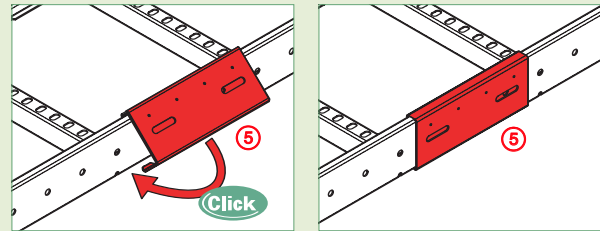
Packaging Ref.no. **Accessories** *(continued)*

		Reducer/end piece ⑥	
		Is delivered in flat condition and is to be bent into the required form along the perforation	
1	341161	Length 794 mm	
1	83131 20	Connector flange ⑦ For riser/head connection in a continuing tray	
1	83131 30	Horizontal branching pieces ⑧ First clamp onto ladder head end, then couple to continuing ladder tray Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"	
1	83131 40	Angled connector ⑨ For straight or corner connection	
1	83131 50	Adjustable coupling set ⑩ Clamp onto ladder head end. Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"	
10	83124 00	Partition "L" ⑪ Length 3000 mm To be fixed on rung by means of 4x M6 x 10 mm ref.no. 83130 00 or cable ties	
1	83124 90	Universal branch Radius 243 mm	
1	83120 10	Clip on assembly plate ⑬ To be clamped in side wall profile without using screws Perforated for horizontal bending Not applicable with rung distance 100 mm	
1	82352 00	Assembly plate universal ⑭ With bushing and suitable for placement of cable clamp Perforated for horizontal bending	
1	83120 20	Assembly plate horizontal Only to be used with rung distance 300 mm	

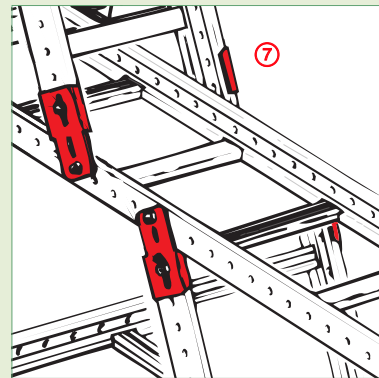
cable ladder Van Geel GLO-4 installation instructions

H = 60 mm medium duty rung

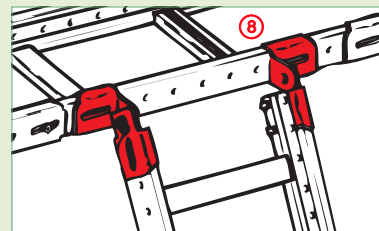
■ Installation instructions quick coupler



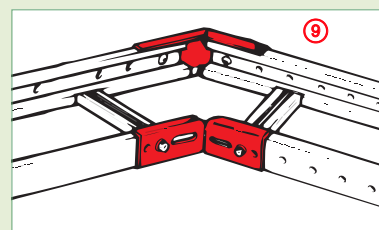
■ Installation instructions connector flange



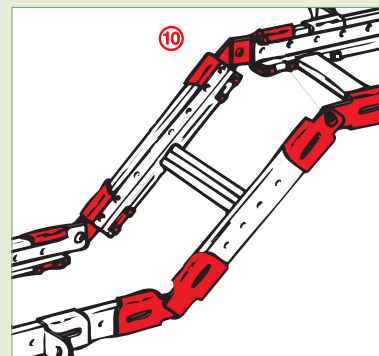
■ Installation instructions horizontal branching pieces



■ Installation instructions angled connector



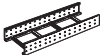
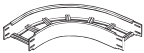
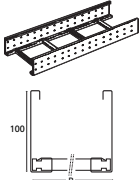
■ Installation instructions adjustable coupling set



Fixing materials & accessories (page 130)

selection table cable ladder Van Geel GLO-4 pregalvanised

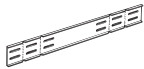
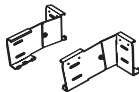
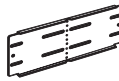
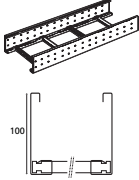
H = 100 mm light duty rung

	Width	Cable ladder 			Cover 	Inside flat bend 
		Rung distance 300 mm	Rung distance 200 mm	Rung distance 300 mm		
		Length 3000 mm	Length 3000 mm	Length 6000 mm	Length 2000 mm	
Cable ladder light duty rung 	200 mm	83112 32	83112 22	83112 62	82111 20	83122 12
	300 mm	83112 33	83112 23	83112 63	82111 30	83122 13
	400 mm	83112 34	83112 24	83112 64	82111 40	83122 14
	500 mm	83112 35	83112 25	83112 65	82111 50	83122 15
	600 mm	83112 36	83112 26	83112 66	82111 60	83122 16
Fixing material		-	-	-	4x  ⁽¹⁾	8x  ⁽²⁾

(1) Lid fixing clamp ref.no. 82360 00

(2) Flanged nut M6 x 10 ref.no. 82001 00 + collar nut M6 ref.no. 82002 00

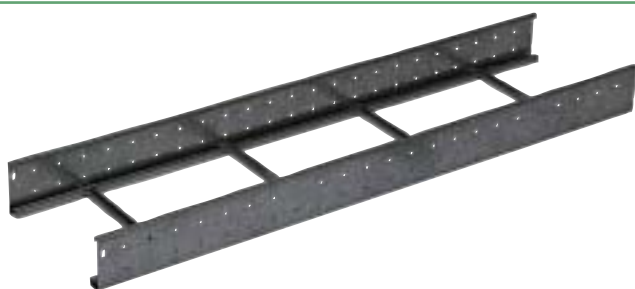
(3) Sliding nut M5 ref.no. 83130 00

	Width	Reducer/end piece 	Connector flange 	Horizontal branching pieces 	Angled connector 	Adjustable coupling set 
		Length 794 mm				
Cable ladder light duty rung 	200 mm	350009	83132 20	83132 30	83132 40	83132 50
	300 mm	350009	83132 20	83132 30	83132 40	83132 50
	400 mm	350009	83132 20	83132 30	83132 40	83132 50
	500 mm	350009	83132 20	83132 30	83132 40	83132 50
	600 mm	350009	83132 20	83132 30	83132 40	83132 50
Fixing material		4x  ⁽²⁾	4x  ⁽²⁾		4x  ⁽²⁾	

(1) Lid fixing clamp ref.no. 82360 00

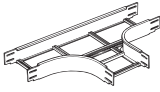
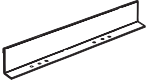
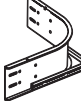
(2) Flanged nut M6 x 10 ref.no. 82001 00 + collar nut M6 ref.no. 82002 00

(3) Sliding nut M5 ref.no. 83130 00



83112 33

Rungdistance 100 mm on demand

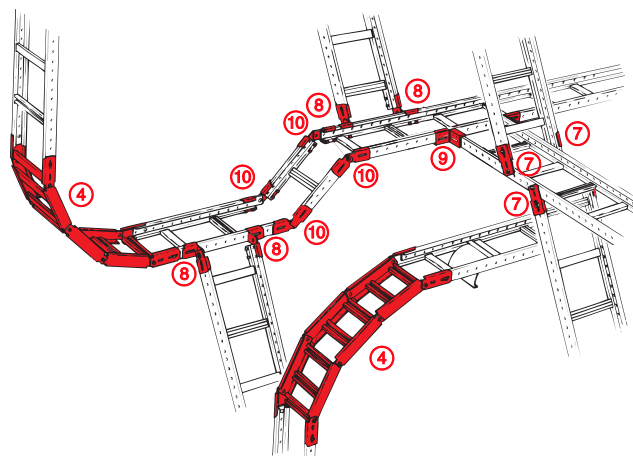
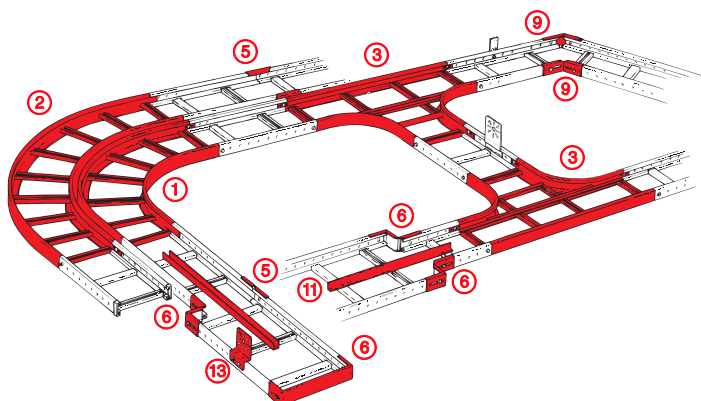
External flat bend	T-piece	In-/external riser	Lid fixing clamp	Quick coupler	
					
83122 22	83122 32	83122 52	82360 00	83132 80	
83122 23	83122 33	83122 53	82360 00	83132 80	
83122 24	83122 34	83122 54	82360 00	83132 80	
83122 25	83122 35	83122 55	82360 00	83132 80	
83122 26	83122 36	83122 56	82360 00	83132 80	
8x  ⁽²⁾	12x  ⁽²⁾	8x  ⁽²⁾			
Partition "L"				Universal branch	Assembly plate universal
					
83122 00				83122 90	82352 00
83122 00				83122 90	82352 00
83122 00				83122 90	82352 00
83122 00				83122 90	82352 00
83122 00				83122 90	82352 00
4x  ⁽³⁾				4x  ⁽²⁾	2x  ⁽²⁾

Fixing materials & accessories (page 130)

cable ladder Van Geel GLO-4 pregalvanised

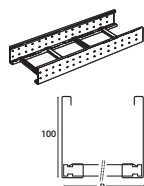
H = 100 mm light duty

PG
100



Selection table (page 114)
Dimensions (page 134)

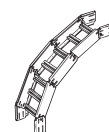
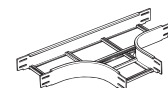
Packaging	Ref.no.	Cable ladder*	
		Continuing side wall perforation for mounting Rung opening alternately upward and downward	
		Rung distance 300 mm	
		Width	Length
1	83112 32	200 mm	3000 mm
1	83112 33	300 mm	3000 mm
1	83112 34	400 mm	3000 mm
1	83112 35	500 mm	3000 mm
1	83112 36	600 mm	3000 mm
		Rung distance 200 mm	
1	83112 22	200 mm	3000 mm
1	83112 23	300 mm	3000 mm
1	83112 24	400 mm	3000 mm
1	83112 25	500 mm	3000 mm
1	83112 26	600 mm	3000 mm
		Rung distance 300 mm	
1	83112 62	200 mm	6000 mm
1	83112 63	300 mm	6000 mm
1	83112 64	400 mm	6000 mm
1	83112 65	500 mm	6000 mm
1	83112 66	600 mm	6000 mm



Packaging	Ref.no.	Cover
		Length 2000 mm Fix with lid fixing clamp ref.no. 82360 00
		Width
1	82111 20	200 mm
1	82111 30	300 mm
1	82111 40	400 mm
1	82111 50	500 mm
1	82111 60	600 mm



Packaging	Ref.no.	Accessories
		Inside flat bend ①
		Inside radius 445 mm Rung openings upward. Insert flanges into the side wall profile of the ladder
		Width
1	83122 12	200 mm
1	83122 13	300 mm
1	83122 14	400 mm
1	83122 15	500 mm
1	83122 16	600 mm
		External flat bend ②
		Inside radius B + 575 mm Rung openings upward. Insert flanges into the side wall profile of the ladder
1	83122 22	200 mm
1	83122 23	300 mm
1	83122 24	400 mm
1	83122 25	500 mm
1	83122 26	600 mm
		T-piece ③
		Radius 445 mm Rung openings upward. Insert flanges into the side wall profile of the ladder
1	83122 32	200 mm
1	83122 33	300 mm
1	83122 34	400 mm
1	83122 35	500 mm
1	83122 36	600 mm
		In-/external riser ④
		Adjustable up to 90° Radius ca. 500 mm Rung openings upward. Insert flanges into the side wall profile of the ladder
1	83122 52	200 mm
1	83122 53	300 mm
1	83122 54	400 mm
1	83122 55	500 mm
1	83122 56	600 mm



* Rungdistance 100 mm on demand

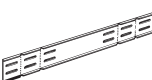
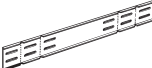
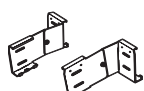
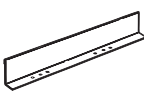
cable ladder Van Geel GLO-4 **pregalvanised** **H = 100 mm light duty rung** *(continued)*

PG
100



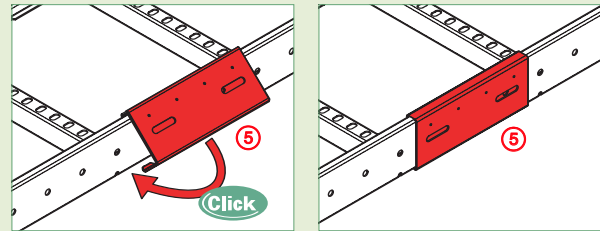
83112 33

Packaging Ref.no. **Accessories**

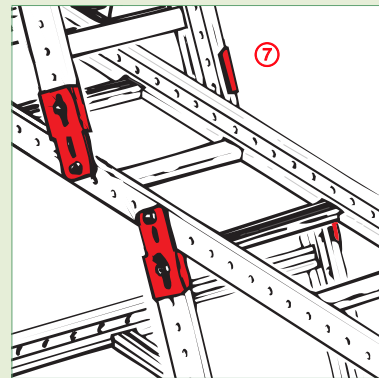
1	82360 00	Lid fixing clamp Note: SS For fixing covers 1 clamp per metre on each side is sufficient	
	83132 80	Quick coupler ⑤ Screwless	
		Reducer/end piece ⑥ Is delivered in flat condition and is to be bent into the required form along the perforation	
1	350009	Length 794 mm	
1	83132 20	Connector flange ⑦ For riser/head connection in a continuing tray	
1	83132 30	Horizontal branching pieces ⑧ First clamp onto ladder head end, then couple to continuing ladder tray Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"	
1	83132 40	Angled connector ⑨ For straight or corner connection	
1	83132 50	Adjustable coupling set ⑩ Clamp onto ladder head end Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"	
10	83122 00	Partition "L" ⑪ Length 3000 mm To be fixed on rung by means of 4x sliding nut M5 ref.no. 83130 00 or cable ties	
1	83122 90	Universal branch Radius 243 mm	
1	82352 00	Assembly plate universal ⑬ With bushing and suitable for placement of cable clamp Perforated for horizontal bending	

cable ladder Van Geel GLO-4 **installation instructions** **H = 100 mm light duty rung**

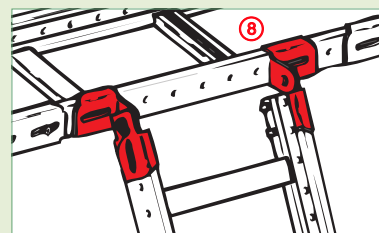
■ Installation instructions quick coupler



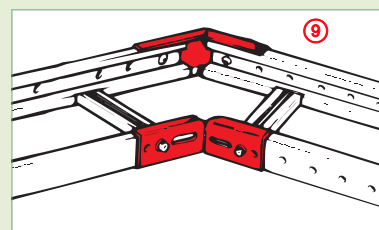
■ Installation instructions connector flange



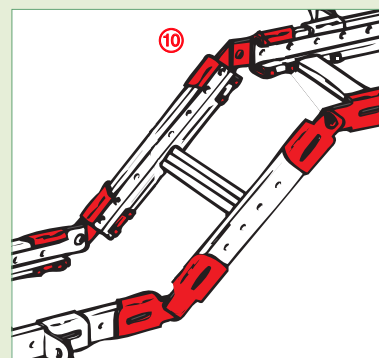
■ Installation instructions horizontal branching



■ Installation instructions angled connector



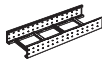
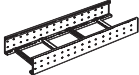
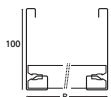
■ Installation instructions adjustable coupling set



Fixing materials & accessories (page 130)

selection table cable ladder Van Geel GLO-4 pregalvanised

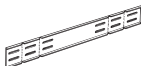
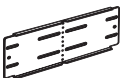
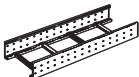
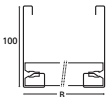
H = 100 mm medium duty rung

	Width	Cable ladder 		Cover 	Inside flat bend 		
		Rung distance 300 mm	Rung distance 300 mm	Length 2000 mm			
		Length 3000 mm	Length 6000 mm				
Cable ladder medium duty rung  	200 mm	83115 32	83115 62	82111 20	83125 12		
	300 mm	83115 33	83115 63	82111 30	83125 13		
	400 mm	83115 34	83115 64	82111 40	83125 14		
	500 mm	83115 35	83115 65	82111 50	83125 15		
	600 mm	83115 36	83115 66	82111 60	83125 16		
Fixing material		-	-	4x  ⁽¹⁾	8x  ⁽²⁾		

(1) Lid fixing clamp ref.no. 82360 00

(2) Flanged nut = M6 x 10 ref.no. 82001 00 + collar nut M6 ref.no. 82002 00

(3) Sliding nut M5 ref.no. 83130 00

	Width	Reducer-/end piece  Length 794 mm	Connector flange 	Adjustable coupling assembly 	Horizontal branching piece 	
Cable ladder medium duty rung  	200 mm	350009	83132 20	83132 30	83132 40	
	300 mm	350009	83132 20	83132 30	83132 40	
	400 mm	350009	83132 20	83132 30	83132 40	
	500 mm	350009	83132 20	83132 30	83132 40	
	600 mm	350009	83132 20	83132 30	83132 40	
Fixing material		4x  ⁽²⁾	4x  ⁽²⁾		4x  ⁽²⁾	

(1) Lid fixing clamp ref.no. 82360 00

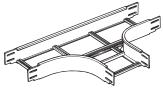
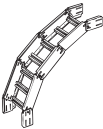
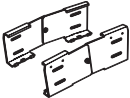
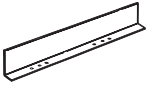
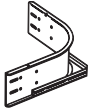
(2) Flanged nut = M6 x 10 ref.no. 82001 00 + collar nut M6 ref.no. 82002 00

(3) Sliding nut M5 ref.no. 83130 00



83115 33

Rungdistance 200 mm on demand

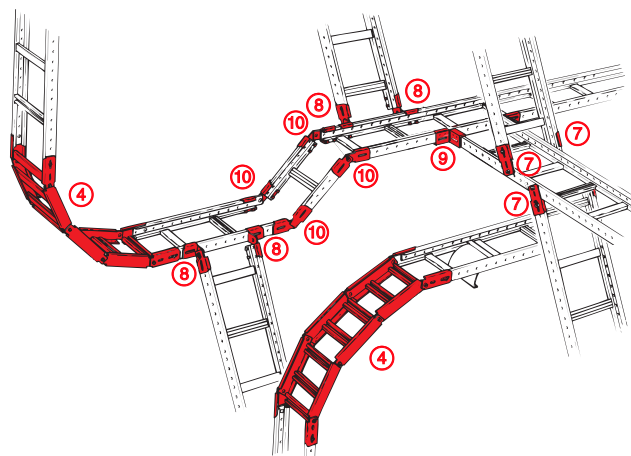
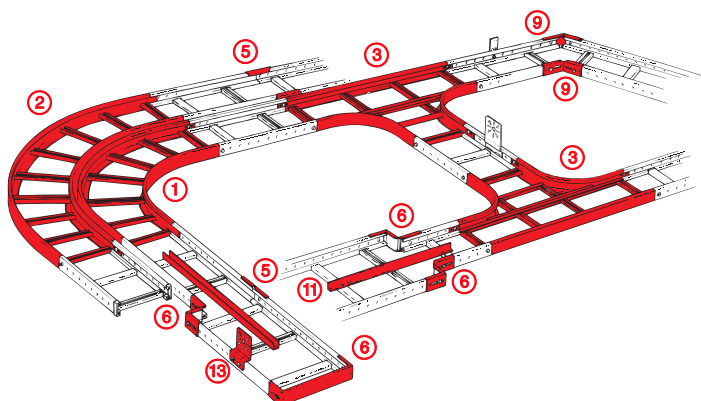
External flat bend	T-piece	In-/external riser	Lid fixing clamp	Quick coupler	
					
83125 22	83125 32	83125 52	82360 00	83132 80	
83125 23	83125 33	83125 53	82360 00	83132 80	
83125 24	83125 34	83125 54	82360 00	83132 80	
83125 25	83125 35	83125 55	82360 00	83132 80	
83125 26	83125 36	83125 56	82360 00	83132 80	
8x  ⁽²⁾	12x  ⁽²⁾	8x  ⁽²⁾			
Adjustable coupling set	Partition "L"			Universal branch	Assembly plate universal
					
83132 50	83125 00			83125 90	82352 00
83132 50	83125 00			83125 90	82352 00
83132 50	83125 00			83125 90	82352 00
83132 50	83125 00			83125 90	82352 00
83132 50	83125 00			83125 90	82352 00
	4x  ⁽³⁾			4x  ⁽²⁾	2x  ⁽²⁾

Fixing materials & accessories (page 130)

cable ladder Van Geel GLO-4 pregalvanised

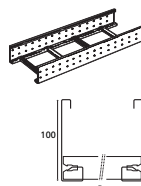
H = 100 mm medium duty rung

PG
100



Selection table (page 118)
Dimensions (page 134)

Packaging	Ref.no.	Cable ladder*	
		Continuing side wall perforation for mounting Rung opening alternately upward and downward	
		Rung distance 300 mm	
		Width	Length
1	83115 32	200 mm	3000 mm
1	83115 33	300 mm	3000 mm
1	83115 34	400 mm	3000 mm
1	83115 35	500 mm	3000 mm
1	83115 36	600 mm	3000 mm
		Rung distance 200 mm	
1	83115 62	200 mm	6000 mm
1	83115 63	300 mm	6000 mm
1	83115 64	400 mm	6000 mm
1	83115 65	500 mm	6000 mm
1	83115 66	600 mm	6000 mm



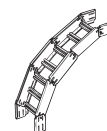
Packaging	Ref.no.	Cover
		Length 2000 mm Fix with Lid fixing clamp ref.no. 82360 00
		Width
1	82111 20	200 mm
1	82111 30	300 mm
1	82111 40	400 mm
1	82111 50	500 mm
1	82111 60	600 mm



Packaging	Ref.no.	Accessories
		Inside flat bend ①
		Inside radius 445 mm Rung openings upward Insert flanges into the side wall profile of the ladder
		Width
1	83125 12	200 mm
1	83125 13	300 mm
1	83125 14	400 mm
1	83125 15	500 mm
1	83125 16	600 mm



Packaging	Ref.no.	Accessories (continued)
		External flat bend ②
		Inside radius B + 575 mm Rung openings upward Insert flanges into the side wall profile of the ladder
		Width
1	83125 22	200 mm
1	83125 23	300 mm
1	83125 24	400 mm
1	83125 25	500 mm
1	83125 26	600 mm
		T-piece ③
		Radius 445 mm Rung openings upward Insert flanges into the side wall profile of the ladder
1	83125 32	200 mm
1	83125 33	300 mm
1	83125 34	400 mm
1	83125 35	500 mm
1	83125 36	600 mm
		In-/external riser ④
		Adjustable up to 90° Radius ca. 500 mm Rung openings upward Insert flanges into the side wall profile of the ladder
1	83125 52	200 mm
1	83125 53	300 mm
1	83125 54	400 mm
1	83125 55	500 mm
1	83125 56	600 mm



Packaging	Ref.no.	Accessories
		Lid fixing clamp
		Note: SS For fixing covers 1 clamp per metre on each side is sufficient Position the turned side on the cover and press down the clamp until the lug falls into the side wall perforation
50	82360 00	



*Rungdistance 200 mm on demand

cable ladder Van Geel GLO-4 pregalvanised

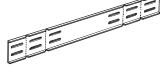
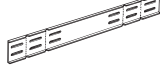
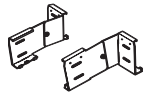
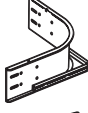
H = 100 mm medium duty rung *(continued)*

PG
100



83115 33

Packaging Ref.no. Accessories *(continued)*

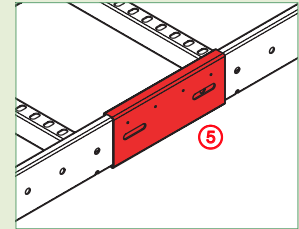
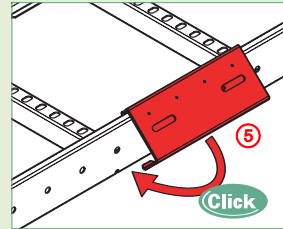
1	83132 80	Quick coupler ⑤ Screwless	
		Reducer/end piece ⑥ Is delivered in flat condition and is to be bent into the required form along the perforation	
1	83122 02	Length 794 mm	
1	83132 20	Connector flange ⑦ For riser/head connection in a continuing tray	
1	83132 30	Horizontal branching pieces ⑧ First clamp onto ladder head end, then couple to continuing ladder tray Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"	
1	83132 40	Angled connector ⑨ For straight or corner connection	
1	83132 50	Adjustable coupling set ⑩ Clamp onto ladder head end Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"	
10	83125 00	Partition "L" ⑪ Length 3000 mm To be fixed on rung by means of 4x sliding nut M5 ref.no. 83130 00 or cable ties	
1	83125 90	Universal branch Radius 243 mm	
1	82352 00	Assembly plate universal ⑬ With bushing and suitable for placement of cable clamp Perforated for horizontal bending	

Fixing materials & accessories (page 130)

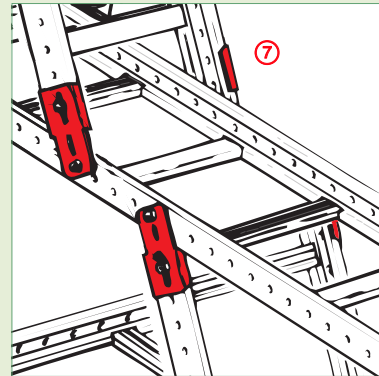
cable ladder Van Geel GLO-4 installation instructions

H = 100 mm medium duty rung

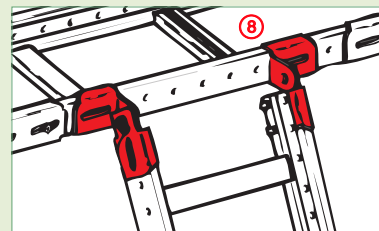
Installation instructions quick coupler



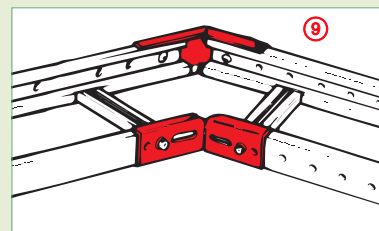
Installation instructions connector flange



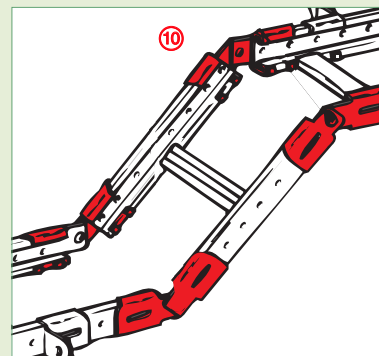
Installation instructions horizontal branching pieces



Installation instructions angled connector

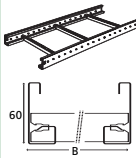


Installation instructions adjustable coupling set



selection table cable ladder Van Geel GLO-4 hot dip galvanised

H = 60 mm medium duty rung

	Width	Cable ladder 		Cover 	Inside flat bend 	External flat bend 	T-piece 	In-/external riser 	Quick coupler 
		Rung distance 300 mm	Rung distance 200 mm	Length 2000 mm					
		Length 3000 mm	Length 3000 mm						
Cable ladder medium duty rung 	200 mm	83614 32	83614 22	82611 20	83624 12	83624 22	83624 32	83624 52	83631 80
	300 mm	83614 33	83614 23	82611 30	83624 13	83624 23	83624 33	83624 53	83631 80
	400 mm	83614 34	83614 24	82611 40	83624 14	83624 24	83624 34	83624 54	83631 80
	500 mm	83614 35	83614 25	82611 50	83624 15	83624 25	83624 35	83624 55	83631 80
	600 mm	83614 36	83614 26	82611 60	83624 16	83624 26	83624 36	83624 56	83631 80
Fixing material		-	-	4x  ⁽¹⁾	4x  ⁽¹⁾	4x  ⁽¹⁾	6x  ⁽¹⁾	4x  ⁽¹⁾	

(1) Hexagon bolt M6 x 12 ref.no. 80699 05 + washer M6 ref.no. 83630 31 + Hexagon nut M6 ref.no. 80699 08

(1) Only to be used with all rung distance 300 mm



83614 33



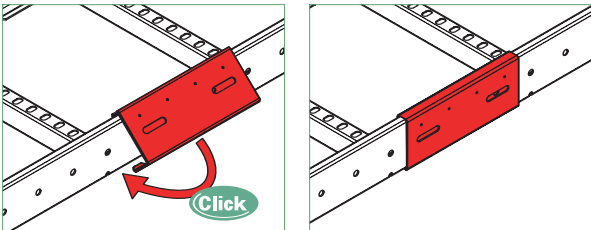
Lid fixing clamp	Reducer-/end piece	Connector flange	Horizontal branching pieces	Angled connector	Adjustable coupling set	Partition "L"	Assembly plate universal	Assembly plate horizontal ⁽²⁾
	 Length 794 mm							
82360 00	343161	83631 20	83631 30	83631 40	83631 50	83624 00	82652 00	83620 20
82360 00	343161	83631 20	83631 30	83631 40	83631 50	83624 00	82652 00	83620 20
82360 00	343161	83631 20	83631 30	83631 40	83631 50	83624 00	82652 00	83620 20
82360 00	343161	83631 20	83631 30	83631 40	83631 50	83624 00	82652 00	83620 20
82360 00	343161	83631 20	83631 30	83631 40	83631 50	83624 00	82652 00	83620 20
	2x ⁽¹⁾	2x ⁽¹⁾		2x ⁽¹⁾		4x ⁽¹⁾	2x ⁽¹⁾	

Fixing materials & accessories (page 130)

■ Installation instructions quick coupler



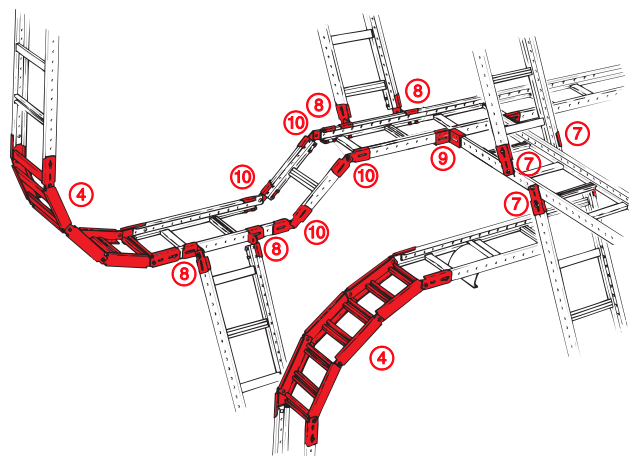
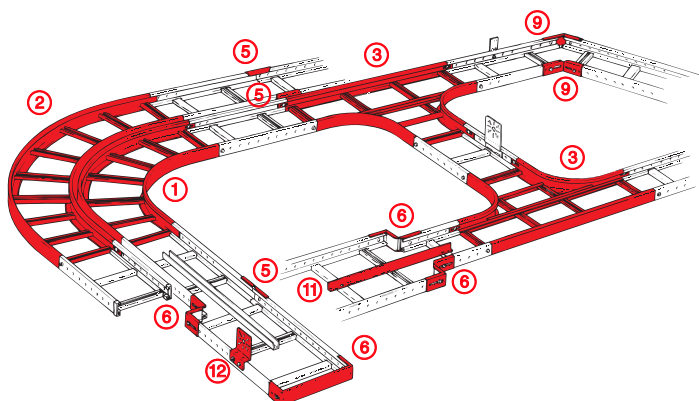
83631 80



cable ladder Van Geel GLO-4 hot dip galvanised

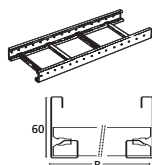
H = 60 mm medium duty rung

HDG
60



Selection table (page 122)
Dimensions (page 132)

Packaging	Ref.no.	Cable ladder	
		Continuing side wall perforation for mounting Rung opening alternately upward and downward	
		Rung distance 300 mm	
		Width	Length
1	83614 32	200 mm	3000 mm
1	83614 33	300 mm	3000 mm
1	83614 34	400 mm	3000 mm
1	83614 35	500 mm	3000 mm
1	83614 36	600 mm	3000 mm
		Rung distance 200 mm	
1	83614 22	200 mm	3000 mm
1	83614 23	300 mm	3000 mm
1	83614 24	400 mm	3000 mm
1	83614 25	500 mm	3000 mm
1	83614 26	600 mm	3000 mm



Packaging	Ref.no.	Cover	
		Length 2000 mm Fix with Lid fixing clamp ref.no. 82360 00	
		Width	
1	82611 20	200 mm	
1	82611 30	300 mm	
1	82611 40	400 mm	
1	82611 50	500 mm	
1	82611 60	600 mm	



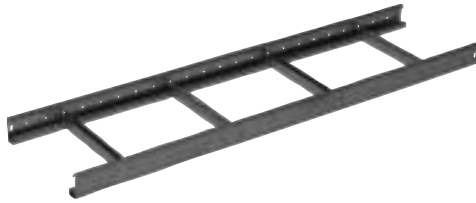
Packaging	Ref.no.	Accessories	
		Inside flat bend ①	
		Inside radius 445 mm Rung openings upward Insert flanges into the side wall profile of the ladder	
		Width	
1	83624 12	200 mm	
1	83624 13	300 mm	
1	83624 14	400 mm	
1	83624 15	500 mm	
1	83624 16	600 mm	
		External flat bend ②	
		Inside radius B + 575 mm Rung openings upward Insert flanges into the side wall profile of the ladder	
1	83624 22	200 mm	
1	83624 23	300 mm	
1	83624 24	400 mm	
1	83624 25	500 mm	
1	83624 26	600 mm	
		T-piece ③	
		Radius 445 mm Rung openings upward Insert flanges into the side wall profile of the ladder	
1	83624 32	200 mm	
1	83624 33	300 mm	
1	83624 34	400 mm	
1	83624 35	500 mm	
1	83624 36	600 mm	
		In-/external riser ④	
		Adjustable up to 90° Radius ca. 500 mm Rung openings upward Insert flanges into the side wall profile of the ladder	
1	83624 52	200 mm	
1	83624 53	300 mm	
1	83624 54	400 mm	
1	83624 55	500 mm	
1	83624 56	600 mm	



cable ladder Van Geel GLO-4 hot dip galvanised

H = 60 mm medium duty rung *(continued)*

HDG
SS
60



83614 33

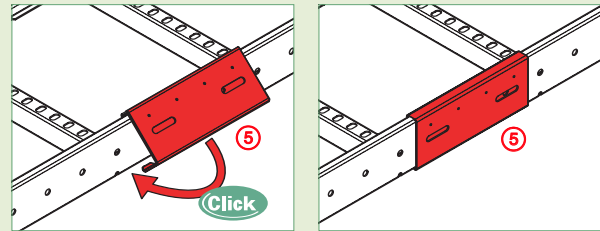
Packaging	Ref.no.	Accessories
50	82360 00	Lid fixing clamp Note: SS For fixing covers 1 clamp per metre on each side is sufficient Position the turned side on the cover and press down the clamp until the lug falls into the side wall perforation
1	83631 80	Quick coupler ⑤ Screwless Reducer/end piece ⑥ Is delivered in flat condition and is to be bent into the required form along the perforation
1	83621 02	Length 794 mm Connector flange ⑦ For riser/head connection in a continuing tray Horizontal branching pieces ⑧ First clamp onto ladder head end, then couple to continuing ladder tray Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"
1	83631 40	Angled connector ⑨ For straight or corner connection Adjustable coupling set ⑩ Clamp onto ladder head end Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"
10	83624 00	Partition "L" ⑪ Length 3000 mm To be fixed on rung by means of 4x M6 x 10 mm ref.no. 83130 00 or cable ties Assembly plate universal ⑫ With bushing and suitable for placement of cable clamp Perforated for horizontal bending Assembly plate horizontal Only to be used with all rung distance 300 mm

Fixing materials & accessories (page 130)

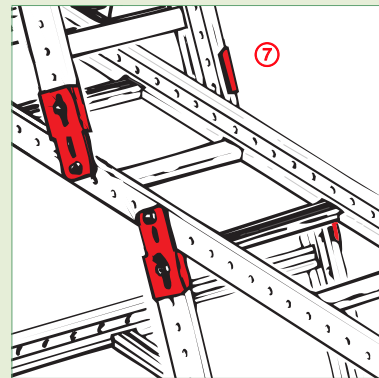
cable ladder Van Geel GLO-4 installation instructions

H = 60 mm medium duty rung

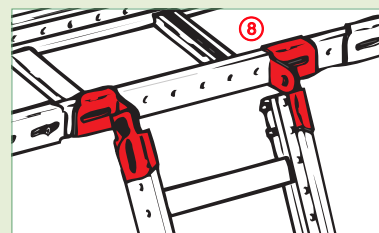
Installation instructions quick coupler



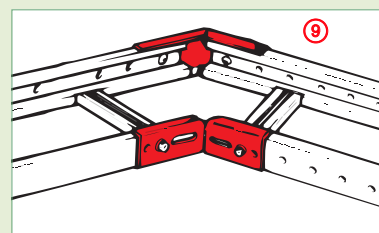
Installation instructions connector flange



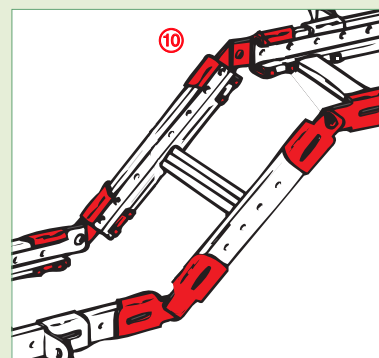
Installation instructions horizontal branching pieces



Installation instructions angled connector

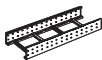
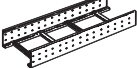
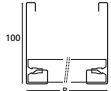


Installation instructions adjustable coupling set



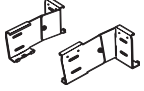
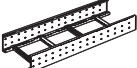
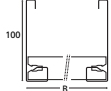
selection table cable ladder Van Geel GLO-4 hot dip galvanised

H = 100 mm medium duty rung

	Width	Cable ladder 	Cover 	Inside flat bend 	
		Rung distance 300 mm			
		Length 3000 mm	Length 2000 mm		
Cable ladder medium duty rung  	200 mm	83615 32	82611 20	83625 12	
	300 mm	83615 33	82611 30	83625 13	
	400 mm	83615 34	82611 40	83625 14	
	500 mm	83615 35	82611 50	83625 15	
	600 mm	83615 36	82611 60	83625 16	
Fixing material		-	4x  ⁽¹⁾	8x  ⁽²⁾	

(1) Lid fixing clamp ref.no. 82360 00

(2) Hexagon bolt M6 x 12 ref.no. 80699 05 + washer M6 ref.no. 83630 31 + Hexagon nut M6 ref.no. 80699 08

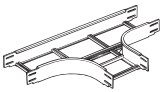
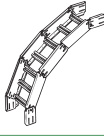
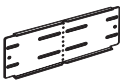
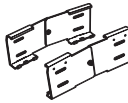
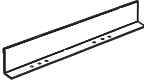
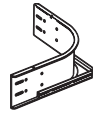
	Width			Connector flange 	Adjustable coupling assembly 	
Cable ladder medium duty rung  	200 mm			83632 20	83632 30	
	300 mm			83632 20	83632 30	
	400 mm			83632 20	83632 30	
	500 mm			83632 20	83632 30	
	600 mm			83632 20	83632 30	
Fixing material				4x  ⁽²⁾		

(1) Lid fixing clamp ref.no. 82360 00

(2) Hexagon bolt M6 x 12 ref.no. 80699 05 + washer M6 ref.no. 83630 31 + Hexagon nut M6 ref.no. 80699 08



83615 33

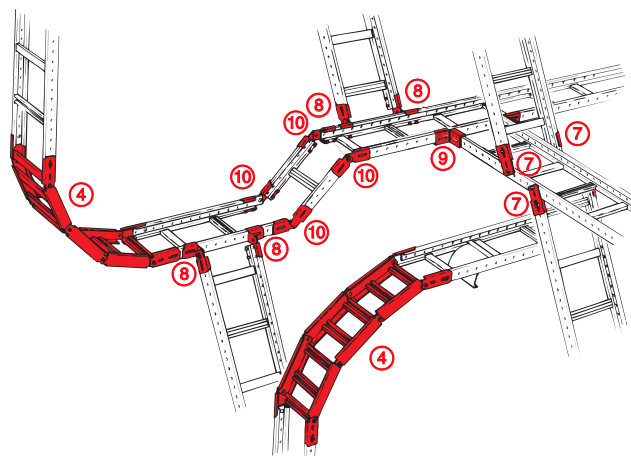
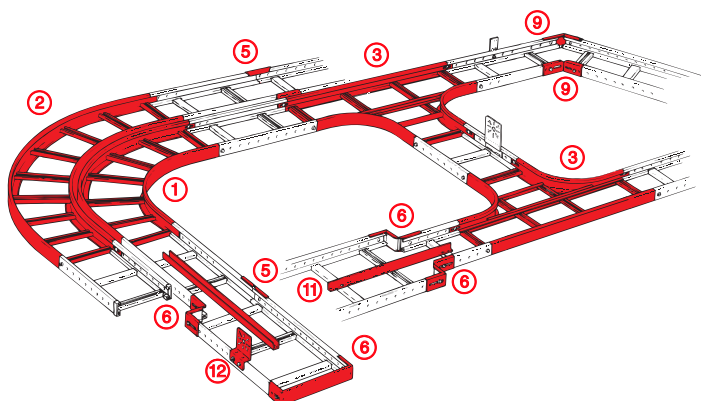
External flat bend	T-piece	In-/external riser	Lid fixing clamp	Quick coupler
				
83625 22	83625 32	83625 52	82360 00	83632 80
83625 23	83625 33	83625 53	82360 00	83632 80
83625 24	83625 34	83625 54	82360 00	83632 80
83625 25	83625 35	83625 55	82360 00	83632 80
83625 26	83625 36	83625 56	82360 00	83632 80
8x  ⁽²⁾	12x  ⁽²⁾	8x  ⁽²⁾		
Horizontal branching piece	Adjustable coupling set	Partition "L"	Universal branch	Assembly plate universal
				
83632 40	83632 50	83625 00	83625 90	82652 00
83632 40	83632 50	83625 00	83625 90	82652 00
83632 40	83632 50	83625 00	83625 90	82652 00
83632 40	83632 50	83625 00	83625 90	82652 00
83632 40	83632 50	83625 00	83625 90	82652 00
4x  ⁽²⁾		4x  ⁽²⁾	4x  ⁽²⁾	2x  ⁽²⁾

Fixing materials & accessories (page 130)

cable ladder Van Geel GLO-4 hot dip galvanised

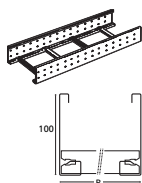
H = 100 mm medium duty rung

HDG
100



Selection table (page 126)
Dimensions (page 134)

Packaging	Ref.no.	Cable ladder	
		Continuing side wall perforation for mounting Rung opening alternately upward and downward	
		Rung distance 300 mm	
		Width	Length
1	83615 32	200 mm	3000 mm
1	83615 33	300 mm	3000 mm
1	83615 34	400 mm	3000 mm
1	83615 35	500 mm	3000 mm
1	83615 36	600 mm	3000 mm



Packaging	Ref.no.	Cover
		Length 2000 mm Fix with Lid fixing clamp ref.no. 82360 00
		Width
1	82611 20	200 mm
1	82611 30	300 mm
1	82611 40	400 mm
1	82611 50	500 mm
1	82611 60	600 mm



Packaging	Ref.no.	Accessories
		Inside flat bend ①
		Inside radius 445 mm Rung openings upward Insert flanges into the side wall profile of the ladder
		Width
1	83625 12	200 mm
1	83625 13	300 mm
1	83625 14	400 mm
1	83625 15	500 mm
1	83625 16	600 mm



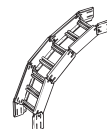
Packaging	Ref.no.	Accessories (continued)
		External flat bend ②
		Inside radius B + 575 mm Rung openings upward Insert flanges into the side wall profile of the ladder
		Width
1	83625 22	200 mm
1	83625 23	300 mm
1	83625 24	400 mm
1	83625 25	500 mm
1	83625 26	600 mm



		T-piece ③
		Radius 445 mm Rung openings upward Insert flanges into the side wall profile of the ladder
1	83625 32	200 mm
1	83625 33	300 mm
1	83625 34	400 mm
1	83625 35	500 mm
1	83625 36	600 mm



		In-/external riser ④
		Adjustable up to 90° Radius ca. 500 mm Rung openings upward Insert flanges into the side wall profile of the ladder
1	83625 52	200 mm
1	83625 53	300 mm
1	83625 54	400 mm
1	83625 55	500 mm
1	83625 56	600 mm



Packaging	Ref.no.	Accessories
		Lid fixing clamp
50	82360 00	Note: SS For fixing covers 1 clamp per metre on each side is sufficient Position the turned side on the cover and press down the clamp until the lug falls into the side wall perforation



cable ladder Van Geel GLO-4 hot dip galvanised

H = 100 mm medium duty rung *(continued)*

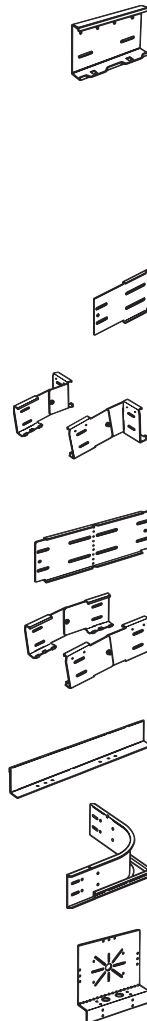
HDG
100



83615 33

Packaging Ref.no. **Accessories** *(continued)*

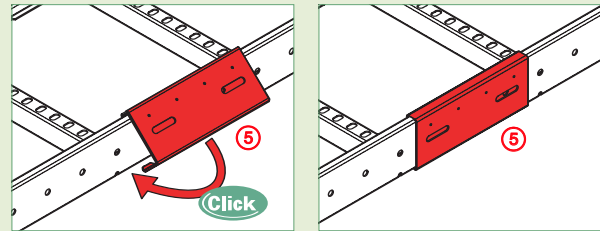
1	83632 80	Quick coupler ⑤ Screwless
1	83632 20	Connector flange ⑦ For riser/head connection in a continuing tray
1	83632 30	Horizontal branching pieces ⑧ First clamp onto ladder head end, then couple to continuing ladder tray Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"
1	83632 40	Angled connector ⑨ For straight or corner connection
1	83632 50	Adjustable coupling set ⑩ Clamp onto ladder head end Screwless; extra shear locking possible by bending the ladder head end outwards into opening "U"
10	83625 00	Partition "L" ⑪ Length 3000 mm To be fixed on rung by means of 4x nut M6 x 12 mm
1	83625 90	Universal branch Radius 243 mm
1	82652 00	Assembly plate universal ⑫ With bushing and suitable for placement of cable clamp Perforated for horizontal bending



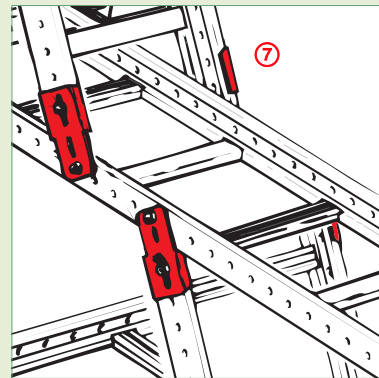
cable ladder Van Geel GLO-4 installation instructions

H = 100 mm medium duty rung

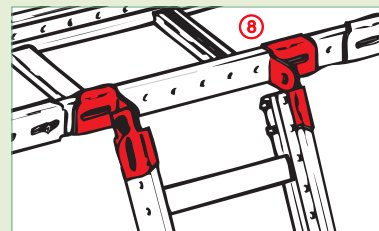
Installation instructions quick coupler



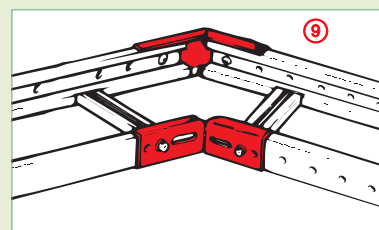
Installation instructions connector flange



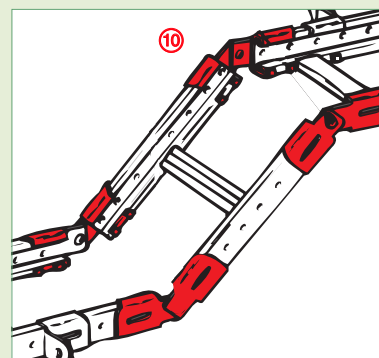
Installation instructions horizontal branching pieces



Installation instructions angled connector



Installation instructions adjustable coupling set



Fixing materials & accessories (page 130)

cable ladder Van Geel GLO-4
electro-galvanised
fixing material



Van Geel GLO-4
hot dip galvanised
fixing material



Packaging	Ref.no.	Fixing materials		
100	83130 00	Sliding nut M5 including screw M5		
100	82001 00	Flanged screw M6 x 10 mm Max. torque 4 Nm		
100	82002 00	Collar nut M6		
		Description	Length	Max. load
25	82340 08	Threaded rod M8	1000 mm	3000 N
25	82341 08	Threaded rod M8	2000 mm	3000 N
25	82342 08	Threaded rod M8	3000 mm	3000 N
25	82340 00	Threaded rod M10	1000 mm	5800 N
20	82341 00	Threaded rod M10	2000 mm	5800 N
20	82342 00	Threaded rod M10	3000 mm	5800 N
100	82345 08	Extension nipple M8 x 24 mm 3000 N		
100	82345 00	Extension nipple M10 x 30 mm 5800 N		

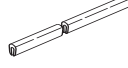
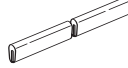
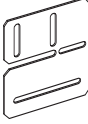


Packaging	Ref.no.	Fixing materials		
100	80699 08	Hexagon nut M6		
100	80699 07	Hexagon nut M8		
100	80699 06	Hexagon nut M10		
100	83630 31	Washer M6		
100	80699 10	Washer M8		
100	80699 09	Washer M10		
100	80699 05	Hexagon bolt M6 x 12 mm		
100	80699 03	Hexagon bolt M8 x 20 mm		
100	80699 04	Hexagon bolt M8 x 35 mm		
100	80699 20	Hexagon bolt M10 x 20 mm		
100	80699 38	Hexagon bolt M10 x 30 mm		
100	80699 39	Hexagon bolt M10 x 55 mm		
100	80699 00	Hexagon bolt M10 x 80 mm		
100	80699 02	Carriage bolt M10 x 20 mm		
		Description	Length	Max. load
25	82640 00	Threaded rod M10	1000 mm	5800 N



cable ladder Van Geel GLO-4

accessories

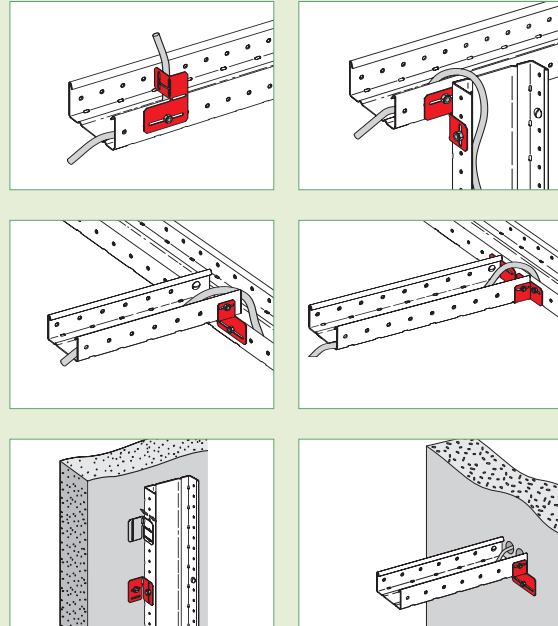
Packaging	Ref.no.	Accessories	
		End caps	
		Plastic yellow	
		Protection cover for ladder end	
1	83021 10	For height 60 mm	
1	83022 10	For height 100 mm	
		Protection profile	
1	82308 00	Transparent	
		For protection of holes Length 2500 mm	
		Length 2500 mm	
		Protector strip	
1	83020 00	Plastic grey	
		Length 3000 mm	
		Drop-out plate	
		Hot dip galvanised, radius 150 mm	
		Support with level change of cables	
		Can be mounted without using screws,	
		independently of the direction of the rung opening	
		Width	
1	83621 82	200 mm	
1	83621 83	300 mm	
1	83621 84	400 mm	
1	83621 85	500 mm	
1	83621 86	600 mm	
		Pipe support	
10	82356 00	Pregalvanised	
		Universal plate "The Joker"	
1	82192 01	Pregalvanised	
		Usable for almost all applications	
		As the bracket can easily be bent by	
		hand into all directions, it is applicable,	
		among other things, as wall bracket,	
		cable fixing, coupling plate for fixing	
		two cable trays or cable ladders onto	
		each other, as an alternative for accessories	
		and a lot more	
		Ladder clamp	
25	83670 30	Hot dip galvanised	

cable ladder Van Geel GLO-4

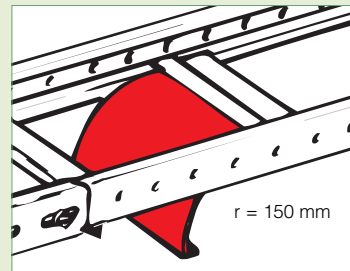
installation instructions

accessories

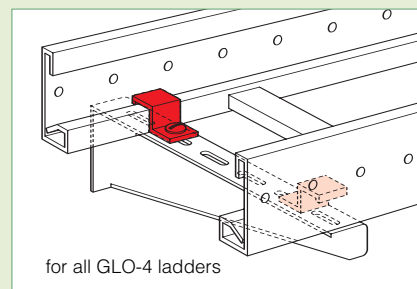
■ Mounting techniques universal plate "The Joker"



■ Mounting techniques drop-out plate



■ Mounting techniques ladder clamp

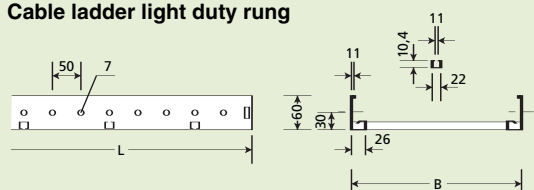


cable ladder Van Geel GLO-4 dimensions

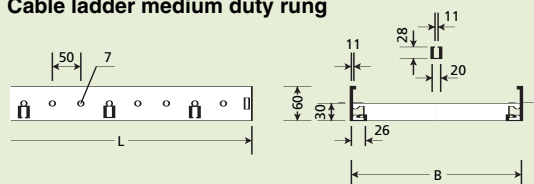
H = 60 mm

Dimensions

Cable ladder light duty rung



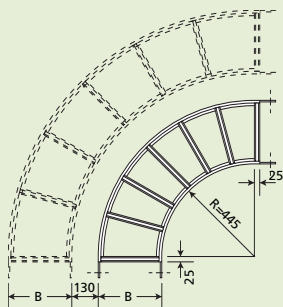
Cable ladder medium duty rung



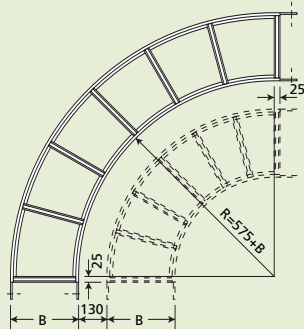
Cover



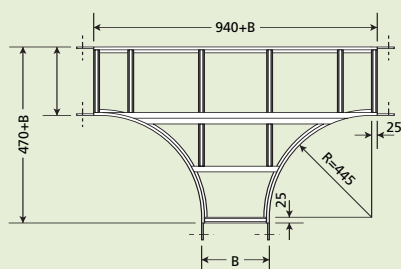
Inside flat bend



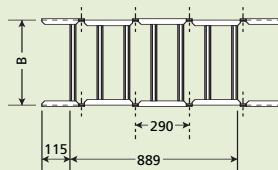
External flat bend



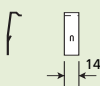
T-piece



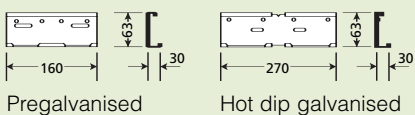
In-/external riser



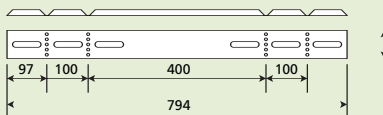
Lid fixing clamp



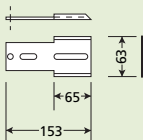
Quick coupler



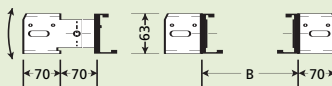
Reducer-/end piece



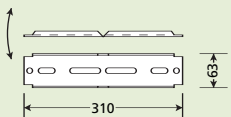
Connector flange



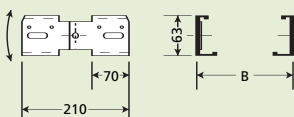
Horizontal branching pieces



Angled connector



Adjustable coupling set

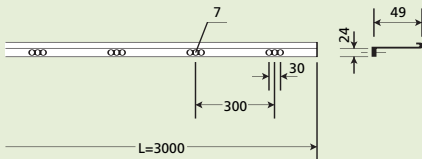


FIRE ENDURANCE ACCORDING TO DIN 4102-12

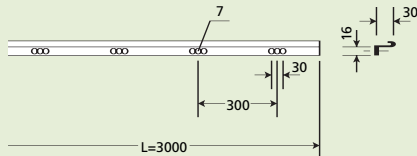


When every second counts

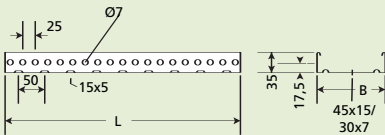
Partition "L" for light duty rung



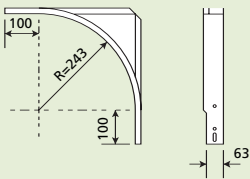
Partition "L" for medium duty rung



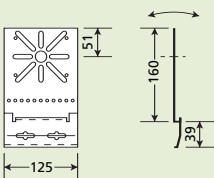
Datachannel cable ladder



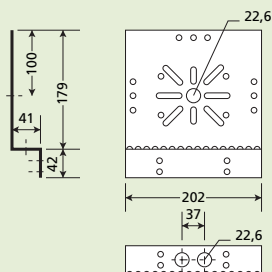
Universal branch



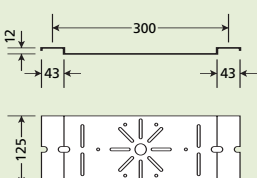
Clip on assembly plate



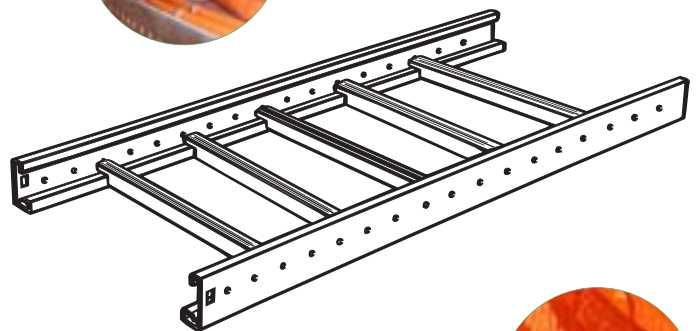
Assembly plate universal



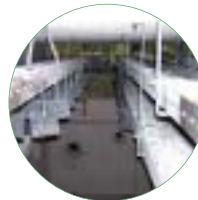
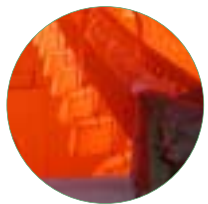
Assembly plate horizontal



■ Before the test



■ During the test



■ After the test

CRUCIAL POINTS

- > Mainly composed of standard materials, so optimum availability
- > Optimum supporting constructions for any situation
- > Special solution for tunnels
- > New easy to mount systems
- > Tested and certified by renowned institutes such as TNO and IBMB-MPA in Braunschweig

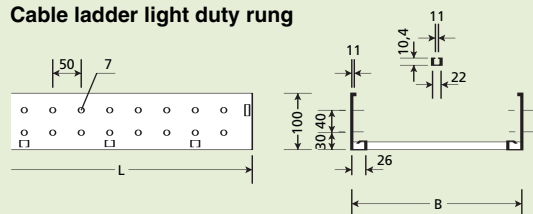
For more information see page 292 in the fire resistance section of this catalogue

cable ladder Van Geel GLO-4 dimensions

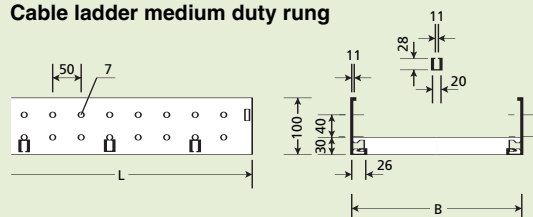
H = 100 mm

Dimensions

Cable ladder light duty rung



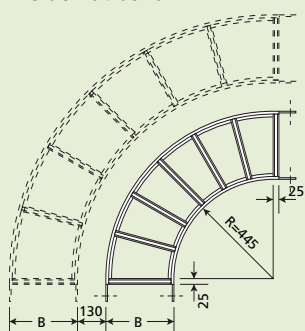
Cable ladder medium duty rung



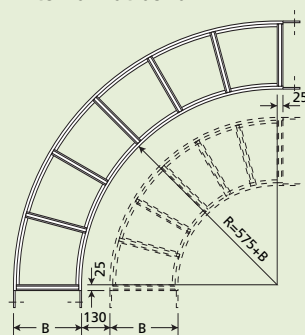
Cover



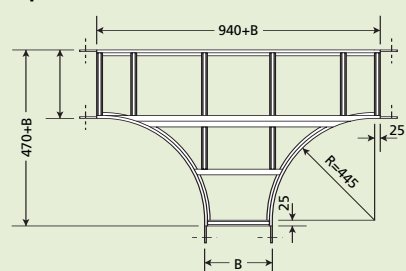
Inside flat bend



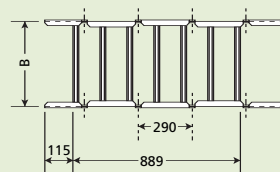
External flat bend



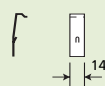
T-piece



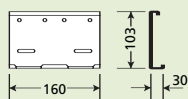
In-/external riser



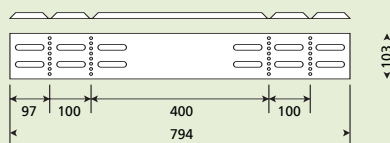
Lid fixing clamp



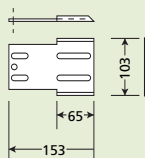
Quick coupler



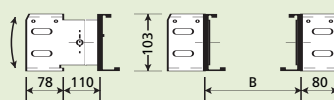
Reducer-/end piece



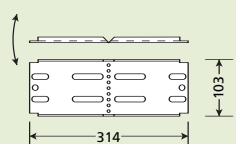
Connector flange



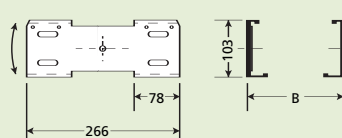
Horizontal branching pieces



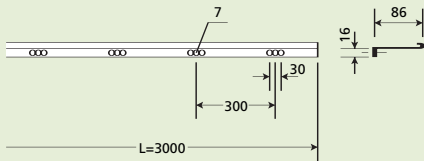
Angled connector



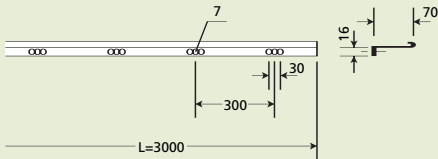
Adjustable coupling set



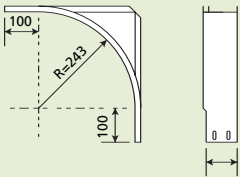
Partition "L" for light duty



Partition "L" for medium duty



Universal branch



Assembly plate universal

