



## Cable tray system 85

## Cable tray MKS

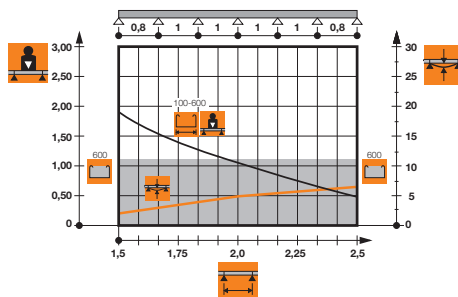


| Type           | Width | Plate thickness | Length | Usable cross-section | perm. load: |       |      |      | Weight  | Item No.         |
|----------------|-------|-----------------|--------|----------------------|-------------|-------|------|------|---------|------------------|
|                | mm    | mm              | mm     | cm <sup>2</sup>      | 1,5m        | 1,75m | 2,0m | 2,5m |         |                  |
|                |       |                 |        |                      | kN/m        | kN/m  | kN/m | kN/m | borders | ST / FS          |
| <b>MKS 810</b> | 100   | 1               | 3000   | 83                   | 1.75        | 1.4   | 1.1  | 0.5  | 207.900 | <b>6057 10 1</b> |
| <b>MKS 820</b> | 200   | 1               | 3000   | 186                  | 1.75        | 1.4   | 1.1  | 0.5  | 273.300 | <b>6057 20 9</b> |
| <b>MKS 830</b> | 300   | 1               | 3000   | 253                  | 1.75        | 1.4   | 1.1  | 0.5  | 338.700 | <b>6057 30 6</b> |
| <b>MKS 840</b> | 400   | 1               | 3000   | 338                  | 1.75        | 1.4   | 1.1  | 0.5  | 403.300 | <b>6057 40 3</b> |
| <b>MKS 850</b> | 500   | 1               | 3000   | 423                  | 1.75        | 1.4   | 1.1  | 0.5  | 469.700 | <b>6057 50 0</b> |
| <b>MKS 860</b> | 600   | 1               | 3000   | 508                  | 1.75        | 1.4   | 1.1  | 0.5  | 536.700 | <b>6057 53 5</b> |

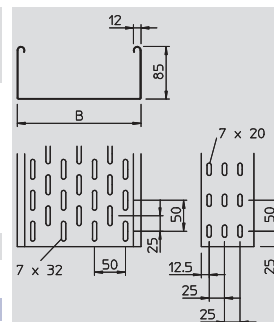
MKS 85 = Medium duty cable tray system with a side height of 85 mm.

Including connector, type RLVL 85.

**Load diagram, cable tray, type MKS 85**



- |                                                                                   |                                                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------|
|  | Support width in m                                          |
|  | Rail bend in mm at permitted kN/m                           |
|  | Max. possible cable load at greatest possible width         |
|  | Cable tray/ladder width in mm                               |
|  | Permitted cable tray / ladder load in kN/m without man load |



## Cable tray SKS

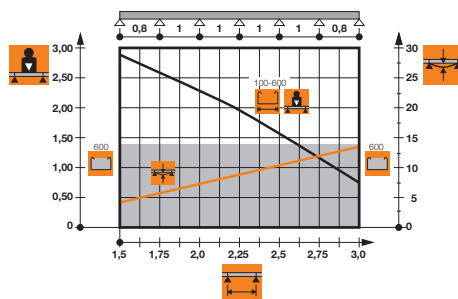


| Type           | Width | Plate thickness | Length | Usable cross-section<br>cm² | perm. load: |      |      |      | Weight  | Item No.         |
|----------------|-------|-----------------|--------|-----------------------------|-------------|------|------|------|---------|------------------|
|                |       |                 |        |                             | 1,5m        | 2,0m | 2,5m | 3,0m |         |                  |
|                | mm    | mm              | mm     |                             | kN/m        | kN/m | kN/m | kN/m | borders | ST / FS          |
| <b>SKS 810</b> | 100   | 1.5             | 3000   | 83                          | 2.8         | 2.25 | 1.5  | 0.75 | 311.800 | <b>6058 10 8</b> |
| <b>SKS 820</b> | 200   | 1.5             | 3000   | 186                         | 2.8         | 2.25 | 1.5  | 0.75 | 410.000 | <b>6058 20 5</b> |
| <b>SKS 830</b> | 300   | 1.5             | 3000   | 253                         | 2.8         | 2.25 | 1.5  | 0.75 | 508.100 | <b>6058 30 2</b> |
| <b>SKS 840</b> | 400   | 1.5             | 3000   | 338                         | 2.8         | 2.25 | 1.5  | 0.75 | 605.300 | <b>6058 39 6</b> |
| <b>SKS 850</b> | 500   | 1.5             | 3000   | 423                         | 2.8         | 2.25 | 1.5  | 0.75 | 704.700 | <b>6058 50 7</b> |
| <b>SKS 860</b> | 600   | 1.5             | 3000   | 508                         | 2.8         | 2.25 | 1.5  | 0.75 | 802.700 | <b>6058 60 4</b> |
|                |       |                 |        |                             |             |      |      |      |         | ST / FT          |
| <b>SKS 810</b> | 100   | 1.5             | 3000   | 83                          | 2.8         | 2.25 | 1.5  | 0.75 | 330.500 | <b>6058 62 0</b> |
| <b>SKS 820</b> | 200   | 1.5             | 3000   | 186                         | 2.8         | 2.25 | 1.5  | 0.75 | 434.600 | <b>6058 64 7</b> |
| <b>SKS 830</b> | 300   | 1.5             | 3000   | 253                         | 2.8         | 2.25 | 1.5  | 0.75 | 538.500 | <b>6058 66 3</b> |
| <b>SKS 840</b> | 400   | 1.5             | 3000   | 338                         | 2.8         | 2.25 | 1.5  | 0.75 | 641.600 | <b>6058 69 8</b> |
| <b>SKS 850</b> | 500   | 1.5             | 3000   | 423                         | 2.8         | 2.25 | 1.5  | 0.75 | 746.800 | <b>6058 72 8</b> |
| <b>SKS 860</b> | 600   | 1.5             | 3000   | 508                         | 2.8         | 2.25 | 1.5  | 0.75 | 850.800 | <b>6058 74 4</b> |

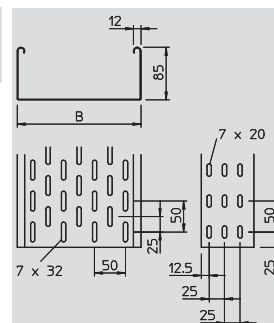
SKS 85 = Heavy duty cable tray system with 85 mm side height.

FS version includes connector, type RLVL 85.

**Load diagram, cable tray, type SKS 85**



- |                                                                                     |                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------|
|  | Support width in m                                          |
|  | Rail bend in mm at permitted kN/m                           |
|  | Max. possible cable load at greatest possible width         |
|  | Cable tray/ladder width in mm                               |
|  | Permitted cable tray / ladder load in kN/m without man load |



## Barrier strip



| Type          | Side height | Length | Pack. | Weight  | Item No.         |
|---------------|-------------|--------|-------|---------|------------------|
|               | mm          | mm     | m     | borders | ST / FS          |
| <b>TSG 85</b> | 85          | 3000   | 45    | 96.700  | <b>6062 11 3</b> |
|               |             |        |       |         | ST / DD          |
| <b>TSG 85</b> | 85          | 3000   | 45    | 96.700  | <b>6062 33 0</b> |

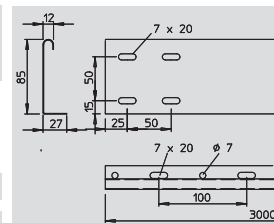
Barrier strip for separation of cables of different voltages or functions.

**System accessories:**

FRS B KM Truss-head bolt

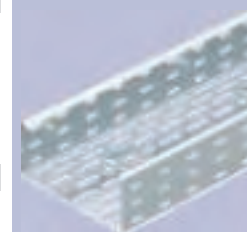
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## Cable tray system 85

## Cable tray DKS



| Type    | Width<br>mm | Plate<br>thickness<br>mm | Length<br>mm | Usable<br>cross-<br>section<br>cm² | perm. load:<br>1,5m<br>kN/m | 2,0m<br>kN/m | 2,5m<br>kN/m | 3,0m<br>kN/m | Weight<br>borders | Item No.<br>ST / FT | Price<br>€/m |
|---------|-------------|--------------------------|--------------|------------------------------------|-----------------------------|--------------|--------------|--------------|-------------------|---------------------|--------------|
| DKS 810 | 100         | 1                        | 3000         | 83                                 | 2.0                         | 1.1          | 0.65         | 0.5          | 210.000           | 6086 47 0           |              |
| DKS 820 | 200         | 1                        | 3000         | 186                                | 2.0                         | 1.1          | 0.65         | 0.5          | 272.000           | 6086 49 7           |              |
| DKS 830 | 300         | 1                        | 3000         | 253                                | 2.0                         | 1.1          | 0.65         | 0.5          | 327.000           | 6086 51 9           |              |
| DKS 840 | 400         | 1.5                      | 3000         | 338                                | 3.0                         | 2.75         | 1.5          | 1.1          | 579.000           | 6086 65 9           |              |
| DKS 850 | 500         | 1.5                      | 3000         | 423                                | 3.0                         | 2.75         | 1.5          | 1.1          | 662.000           | 6086 67 5           |              |
| DKS 860 | 600         | 1.5                      | 3000         | 508                                | 3.0                         | 2.75         | 1.5          | 1.1          | 734.000           | 6086 69 1           |              |

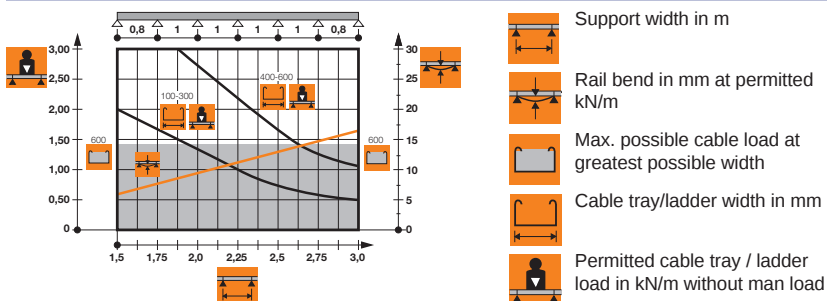
DKS 85 = perforated cable tray system with 85 mm side height.

Permeable cable tray system to VdS guideline 2092 with 30% hole surface for use under sprinkler systems.

Bottom penetration from width 200 mm.

Connecting parts should be ordered in the appropriate quantity.

## Load diagram, cable tray, type DKS 85



## System accessories:

RLVL 85 Straight and angle connector

See page

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## Barrier strip



| Type   | Side<br>height<br>mm | Length<br>mm | Pack.<br>m | Weight<br>borders | Item No.<br>ST / FS | Price<br>€/m |
|--------|----------------------|--------------|------------|-------------------|---------------------|--------------|
| TSG 60 | 60                   | 3000         | 45         | 57.300            | 6062 06 7           |              |
| TSG 60 | 60                   | 3000         | 45         | 64.000            | 6062 32 6           |              |

Barrier strip for separation of cables of different voltages or functions.

## Cable protection ring



| Type    | Colour     | for perforation<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>PP | Price<br>€/pc |
|---------|------------|-----------------------|--------------|-------------------|----------------|---------------|
| KSR-910 | light grey | 20 x 58               | 25           | 0.450             | 6066 71 2      |               |

Cable protection ring for bottom penetrations in cable trays of type DKS, IKS and for side penetrations in AZ channels and luminaire support trays.

## Straight and angle connector



| Type    | Side<br>height<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS | Price<br>€/pc |
|---------|----------------------|--------------|-------------------|---------------------|---------------|
| RLVL 85 | 85                   | 10           | 26.500            | 6067 12 3           |               |
| RLVL 85 | 85                   | 10           | 23.500            | 6067 81 6           |               |

Straight and angle connector for cable trays, fittings and barrier strips with a side height of 85 mm.

Including appropriate fastening material.

## Cable tray system 85

### Adjustable connector

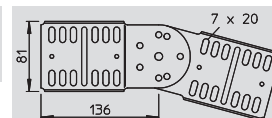


| Type   | Side height<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS |
|--------|-------------------|--------------|-------------------|---------------------|
| RGV 85 | 85                | 10           | 34.000            | 7082 02 9           |
|        |                   |              |                   | ST / FT             |
| RGV 85 | 85                | 10           | 34.000            | 7082 32 0           |

Adjustable connector for cable trays and barrier strips with a side height of 85 mm.

Including appropriate fastening material.

Price  
€/pc



### Corner connector



| Type   | Side height<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS |
|--------|-------------------|--------------|-------------------|---------------------|
| REV 85 | 85                | 10           | 61.000            | 6067 98 0           |
|        |                   |              |                   | ST / DD             |
| REV 85 | 85                | 10           | 61.000            | 6069 32 0           |

Corner connector for cable trays with side height 85 mm.

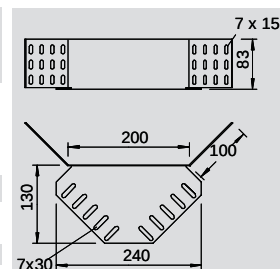
Fastening materials should be ordered separately.

**System accessories:**

FRS B KM Truss-head screw

See page 98

Price  
€/pc



### Reducer / stop-end

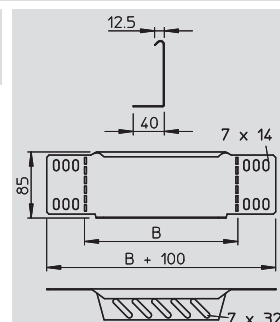


| Type     | Width<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS |
|----------|-------------|--------------|-------------------|---------------------|
| RWEB 810 | 100         | 1            | 12.500            | 7110 10 3           |
| RWEB 820 | 200         | 1            | 23.400            | 7110 20 0           |
| RWEB 830 | 300         | 1            | 33.300            | 7110 30 8           |
| RWEB 840 | 400         | 1            | 43.200            | 7110 40 5           |
| RWEB 850 | 500         | 1            | 53.200            | 7110 50 2           |
| RWEB 860 | 600         | 1            | 63.000            | 7110 61 8           |
|          |             |              |                   | ST / DD             |
| RWEB 810 | 100         | 1            | 12.600            | 7107 31 5           |
| RWEB 820 | 200         | 1            | 23.300            | 7107 33 1           |
| RWEB 830 | 300         | 1            | 33.300            | 7107 36 6           |
| RWEB 840 | 400         | 1            | 43.200            | 7107 38 2           |
| RWEB 850 | 500         | 1            | 53.100            | 7107 40 4           |
| RWEB 860 | 600         | 1            | 63.100            | 7107 42 0           |

Reducer / stop-end for cable trays with side height 85 mm.

Including appropriate fastening material.

Price  
€/pc



### 45° bend



| Type      | Width<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS |
|-----------|-------------|--------------|-------------------|---------------------|
| RB 45 810 | 100         | 1            | 60.000            | 7000 47 2           |
| RB 45 820 | 200         | 1            | 85.000            | 7000 49 9           |
| RB 45 830 | 300         | 1            | 120.000           | 7000 51 0           |
|           |             |              |                   | ST / FT             |
| RB 45 810 | 100         | 1            | 65.000            | 7067 11 9           |
| RB 45 820 | 200         | 1            | 90.000            | 7067 21 6           |
| RB 45 830 | 300         | 1            | 130.000           | 7067 31 3           |

45° bend, horizontal, for all cable tray types of 85 mm side height.

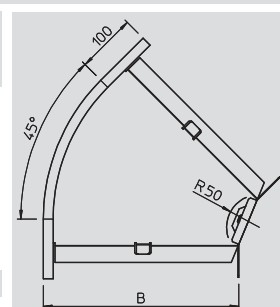
The fitting is shipped in an unmounted state. The WKV 85 angle connector is designed for 90° bends and can be adjusted to 45° on site.  
Including appropriate fastening material.

**System accessories:**

DFB 45 100-300 Cover for 45° bend

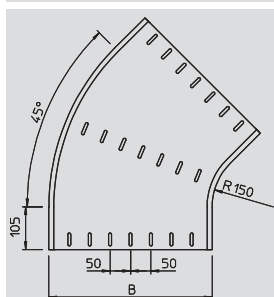
See page 167

Price  
€/pc



## Cable tray system 85

## 45° bend



| Type      | Width<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS | Price<br>€/pc |
|-----------|-------------|--------------|-------------------|---------------------|---------------|
| RB 45 840 | 400         | 1            | 320.000           | 7000 52 9           |               |
| RB 45 850 | 500         | 1            | 380.000           | 7000 54 5           |               |
| RB 45 860 | 600         | 1            | 490.000           | 7000 56 1           |               |
|           |             |              |                   | ST / FT             |               |
| RB 45 840 | 400         | 1            | 340.000           | 7067 40 2           |               |
| RB 45 850 | 500         | 1            | 400.000           | 7067 49 6           |               |
| RB 45 860 | 600         | 1            | 520.000           | 7067 60 7           |               |

45° bend, horizontal, for all cable tray types of 85 mm side height.

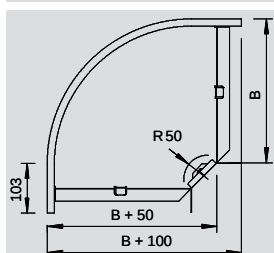
Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.

**System accessories:**

|                |                              |          |     |
|----------------|------------------------------|----------|-----|
| RLVL 85        | Straight and angle connector | See page | 153 |
| DFB 45 400-600 | Cover for 45° bend           | See page | 167 |
| SSLB           | Joint plate                  | See page | 163 |



## 90° bend



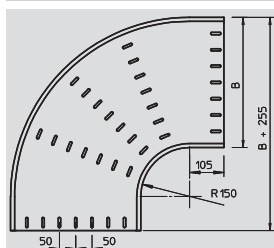
| Type      | Width<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS | Price<br>€/pc |
|-----------|-------------|--------------|-------------------|---------------------|---------------|
| RB 90 810 | 100         | 1            | 65.000            | 7001 76 2           |               |
| RB 90 820 | 200         | 1            | 150.000           | 7001 78 9           |               |
| RB 90 830 | 300         | 1            | 180.000           | 7001 80 0           |               |
|           |             |              |                   | ST / FT             |               |
| RB 90 810 | 100         | 1            | 70.000            | 7126 12 7           |               |
| RB 90 820 | 200         | 1            | 160.000           | 7126 21 6           |               |
| RB 90 830 | 300         | 1            | 200.000           | 7126 30 1           |               |

90° bend, horizontal, for all cable tray types of 85 mm side height.

The fitting is shipped in an unmounted state. Including appropriate fastening material.

**System accessories:**

|                |                    |          |     |
|----------------|--------------------|----------|-----|
| DFB 90 100-300 | Cover for 90° bend | See page | 167 |
|----------------|--------------------|----------|-----|



| Type      | Width<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS | Price<br>€/pc |
|-----------|-------------|--------------|-------------------|---------------------|---------------|
| RB 90 840 | 400         | 1            | 500.000           | 7001 81 9           |               |
| RB 90 850 | 500         | 1            | 650.000           | 7001 83 5           |               |
| RB 90 860 | 600         | 1            | 820.000           | 7001 85 1           |               |
|           |             |              |                   | ST / FT             |               |
| RB 90 840 | 400         | 1            | 540.000           | 7126 41 7           |               |
| RB 90 850 | 500         | 1            | 690.000           | 7126 51 4           |               |
| RB 90 860 | 600         | 1            | 870.000           | 7126 61 1           |               |

90° bend, horizontal, for all cable tray types of 85 mm side height.

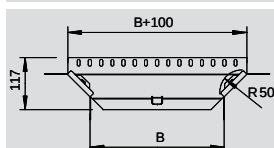
Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.

**System accessories:**

|                |                              |          |     |
|----------------|------------------------------|----------|-----|
| RLVL 85        | Straight and angle connector | See page | 153 |
| DFB 90 400-600 | Cover for 90° bend           | See page | 167 |
| SSLB           | Joint plate                  | See page | 163 |



## Add-on tee



| Type    | Width<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS | Price<br>€/pc |
|---------|-------------|--------------|-------------------|---------------------|---------------|
| RAA 810 | 100         | 1            | 40.000            | 7002 47 5           |               |
| RAA 820 | 200         | 1            | 45.000            | 7002 49 1           |               |
| RAA 830 | 300         | 1            | 60.000            | 7002 51 3           |               |
|         |             |              |                   | ST / FT             |               |
| RAA 810 | 100         | 1            | 45.000            | 7122 10 9           |               |
| RAA 820 | 200         | 1            | 50.000            | 7122 21 3           |               |
| RAA 830 | 300         | 1            | 65.000            | 7122 31 0           |               |

Add-on tee for horizontal and vertical use. For all cable tray types of 85 mm side height.

The fitting is shipped in an unmounted state. Including appropriate fastening material.

**System accessories:**

|              |                      |          |     |
|--------------|----------------------|----------|-----|
| DFAA 100-300 | Cover for add-on tee | See page | 168 |
|--------------|----------------------|----------|-----|



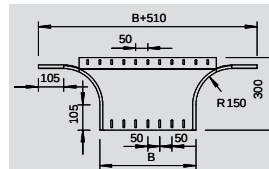
## Cable tray system 85

### Add-on tee



| Type    | Width<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS |
|---------|-------------|--------------|-------------------|---------------------|
| RAA 840 | 400         | 1            | 230.000           | 7002 52 1           |
| RAA 850 | 500         | 1            | 265.000           | 7002 55 6           |
| RAA 860 | 600         | 1            | 295.000           | 7002 57 2           |
|         |             |              |                   | ST / FT             |
| RAA 840 | 400         | 1            | 250.000           | 7122 40 3           |
| RAA 850 | 500         | 1            | 290.000           | 7122 50 0           |
| RAA 860 | 600         | 1            | 320.000           | 7122 60 8           |

Price  
€/pc



Add-on tee for horizontal and vertical use. For all cable tray types of 85 mm side height.

Fitting in round design. The interior radius of the fitting is 150 mm. Fastening materials should be ordered separately.

#### System accessories:

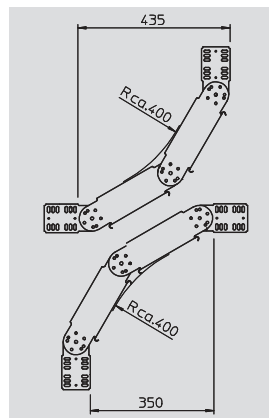
|              |                              |          |     |
|--------------|------------------------------|----------|-----|
| RLVL 85      | Straight and angle connector | See page | 153 |
| DFAA 400-600 | Cover for add-on tee         | See page | 168 |
| SSLB         | Joint plate                  | See page | 163 |

### 90° adjustable vertical bend



| Type     | Width<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS |
|----------|-------------|--------------|-------------------|---------------------|
| RGBV 810 | 100         | 1            | 226.000           | 7006 46 2           |
| RGBV 820 | 200         | 1            | 273.000           | 7006 48 9           |
| RGBV 830 | 300         | 1            | 320.000           | 7006 50 0           |
| RGBV 840 | 400         | 1            | 366.000           | 7006 52 7           |
|          |             |              |                   | ST / FT             |
| RGBV 810 | 100         | 1            | 260.000           | 7080 10 7           |
| RGBV 820 | 200         | 1            | 325.000           | 7080 20 4           |
| RGBV 850 | 500         | 1            | 1488.200          | 7080 50 6           |

Price  
€/pc



90° adjustable vertical bend, for all cable tray types with a side height of 85 mm.

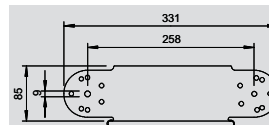
The bend is shipped in an unmounted state. No additional fastening materials are required.

### Adjustable vertical bend element



| Type      | Width<br>mm | Pack.<br>pcs | Weight<br>kg/% pc | Item No.<br>ST / FS |
|-----------|-------------|--------------|-------------------|---------------------|
| RGBEV 810 | 100         | 1            | 70.000            | 7005 46 6           |
| RGBEV 820 | 200         | 1            | 91.900            | 7005 48 2           |
| RGBEV 830 | 300         | 1            | 112.400           | 7005 50 4           |
| RGBEV 840 | 400         | 1            | 132.700           | 7005 52 0           |
| RGBEV 850 | 500         | 1            | 153.100           | 7005 54 7           |
| RGBEV 860 | 600         | 1            | 173.400           | 7005 56 3           |
|           |             |              |                   | ST / FT             |
| RGBEV 810 | 100         | 1            | 70.100            | 7076 09 6           |
| RGBEV 820 | 200         | 1            | 98.500            | 7076 20 7           |
| RGBEV 830 | 300         | 1            | 120.500           | 7076 30 4           |
| RGBEV 840 | 400         | 1            | 142.300           | 7076 40 1           |
| RGBEV 850 | 500         | 1            | 164.100           | 7076 50 9           |
| RGBEV 860 | 600         | 1            | 185.900           | 7076 60 6           |

Price  
€/pc



Adjustable vertical bend element, for all cable tray types with a side height of 85 mm.

No additional connectors or joint plates required. Fastening materials should be ordered separately.

#### System accessories:

|          |                  |          |    |
|----------|------------------|----------|----|
| FRS B KM | Truss-head screw | See page | 98 |
|----------|------------------|----------|----|