TECHNICAL INFORMATION

- SURFACE TREATEMENT
- LIFE SPAN OF GALVANIZATION TREATEMENT
- DEFINITION OF CABLE TRAYS TYPE
- CALCULATION OF CABLE TRAYS WIDTH
- CALCULATION OF CABLE TRAYS GAUGE
- CALCULATION OF DISTANCE BETWEEN SUPPORTS
- DEFINITION OF TYPES OF SUPPORTS

GENERAL INFORMATION

This catalogue contains all items of our standard program of cable trays, cable ladders, supports, pipe clamps e.t.c.

PROTECTION AGAINST CORROSION

All our items and according to the conditions and requirements can be delivered with various types of protection against corrosion, such as :

A. **Pre-galvanized sheet steel** (Continuously hot-dip zinc coated mild steel strip and sheet for cold forming) acc. to EN 10142. **Designation (PG)** in our catalogue. This galvanized steel sheet is obtained by immersing a soft steel sheet in a zinc bath at temperatures of 450 °C to 460 °C. The zinc coating acquired that way is 275 g/m² on both sides, which corresponds to a thickness of 21 μm. When a galvanized sheet is punched or cut the edges of the metal are protected by the formation of zinc hydroxide. Thus pre-galvanized items are suitable for installation in almost dry indoor atmosphere.

B. **Hot-dip galvanized after manufacture** (Hot dip galvanized coating on fabricated iron and steel articles) acc. to EN ISO 1461. **Designation (DG).** Items are made of bright quality cold rolled sheet steel which after manufacture are dipped one by one into a liquid zinc bath (temperatures 450 °C to 460 °C). Thus the item, including all cut edges, is being coated with a homogenous zinc layer of 350 – 420 g/m² on both sides (= 50 – 60 μm). Items made according to this method have a much greater resistance to corrosion compared to pre-galvanized items, making them suitable for installation outdoors or in humid indoor conditions.

C. **Electro plated after manufacture** acc. to DIN 50961. **Designation (EG).** Items are made of bright quality cold rolled sheet steel which after manufacture are zinc electro plated. Thus the items, including all cut edges, are being coated with a homogenous zinc layer of appr. 10 μm making them suitable for installation in almost dry indoor atmosphere.

D. Bolts, nuts, washers, threaded rods e.t.c are usually delivered zinc electroplated acc. to relevant DIN specifications (DIN 934, DIN 975 e.t.c.)

E. Some items can be delivered made of **stainless steel** sheet steel upon request.

F. Hot dipped galvanized items can be delivered with an additional coating as follows:

- Surface preparation according to ISO 12944 Part 4.
- Prime coat: a layer of min. 15 μm wash primer.
- Intermediate coat : application of a layer of min 50 μm with 2 components polyamide cured Epoxy acc, to MIL-C 82407, B-class spec.
- Top coat : application of a layer of min 75 μm with 2 components polyurethane polyester resins, cured by aliphatic isocyanate resin according to MIL-C-85285
  Total coating thickness: 60 μm zinc + 140 μm additional coating = 200 μm

LIFE SPAN

An exact answer to the question of the anticipated life span of a coated item cannot be given as it depends on too many factors. Nevertheless extensive empirical observations have yielded the following average annual losses of zinc coats in various environments:

Rural air	10 grams / m^2
Urban air	20 grams / m^2
Industrial air	40 grams / m^2
Marine air	25 grams / m^2

Given the above values the expected life span of any type of coated item can be calculated. In any case we strongly recommend the use of items hot-dip galvanized after manufacture (hot dip galvanized coating on fabricated iron and steel articles) acc. to EN ISO 1461 in every installation.

PG: to be used indoors in almost dry atmosphere

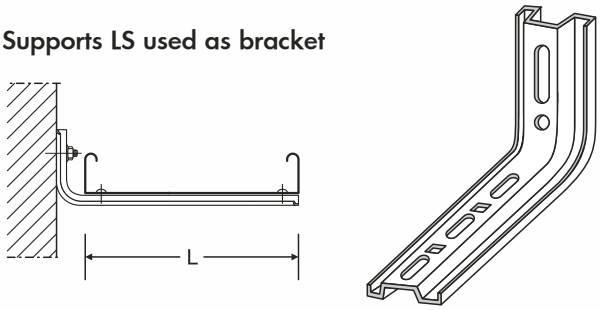
DG: to be used outdoors or indoors in humid atmosphere

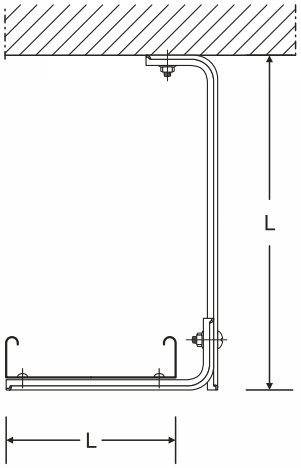
ELVO - Brackets 10 LS

- ELVO support can be used in 2 ways:

- either as a wall mounted bracket. The admissible length is L=100, 200 or max 300 mm.
- or as hanging piece (see application p.10/04). In this case the vertical bracket can be between 100 and 600 mm.

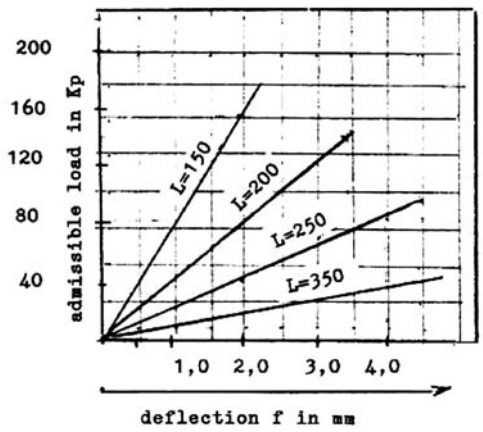
Supports LS used as bracket

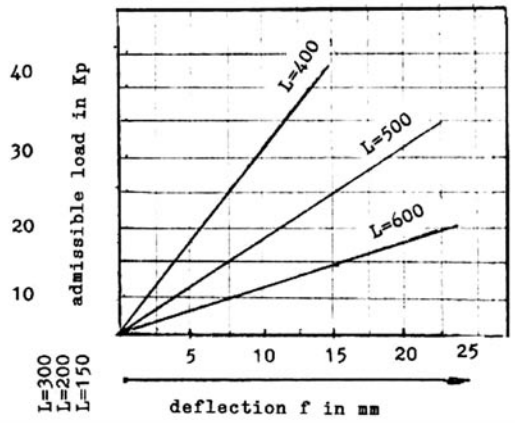




Support LS used as hanging piece

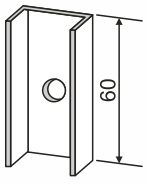
L mm	Part Nr. PG	Part Nr. DG	Weight KG/p
150	10 LS-10.PG	10 LS-10.DG	
200	10 LS-15.PG	10 LS-15.DG	
250	10 LS-20.PG	10 LS-20.DG	
350	10 LS-30.PG	10 LS-30.DG	
450	10 LS-40.PG	10 LS-40.DG	
550	10 LS-50.PG	10 LS-50.DG	
650	10 LS-60.PG	10 LS-60.DG	





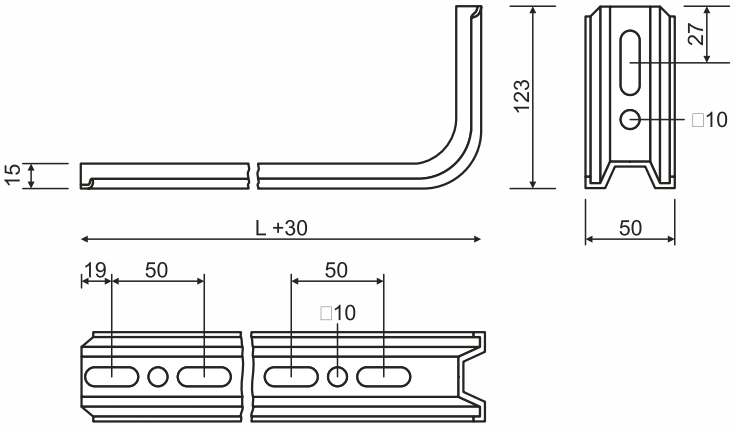
Distance piece

Part Nr.	Weight KG/p
10SDP-4.PG	
10SDP-4.DG	

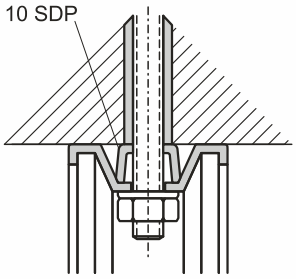


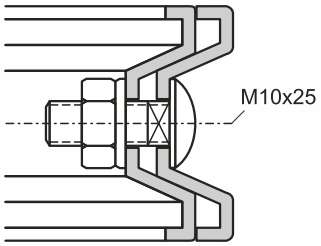
ELVO - Brackets LS

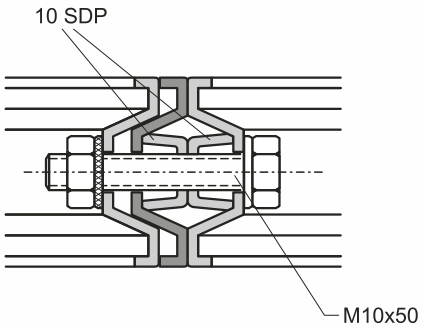
Dimension

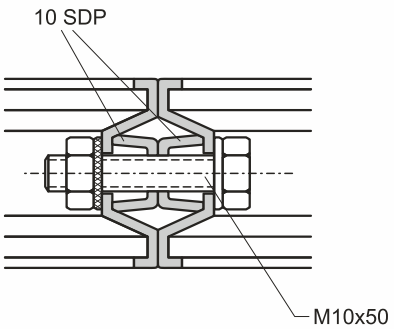


Fixing details

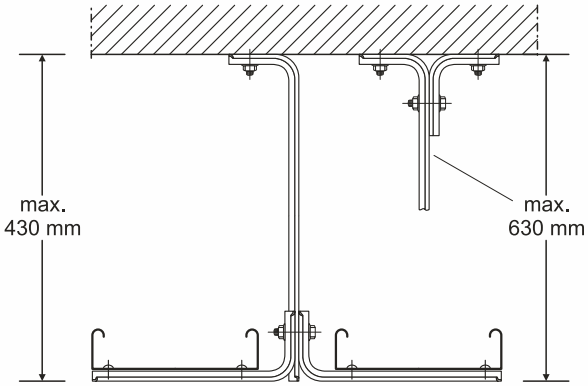


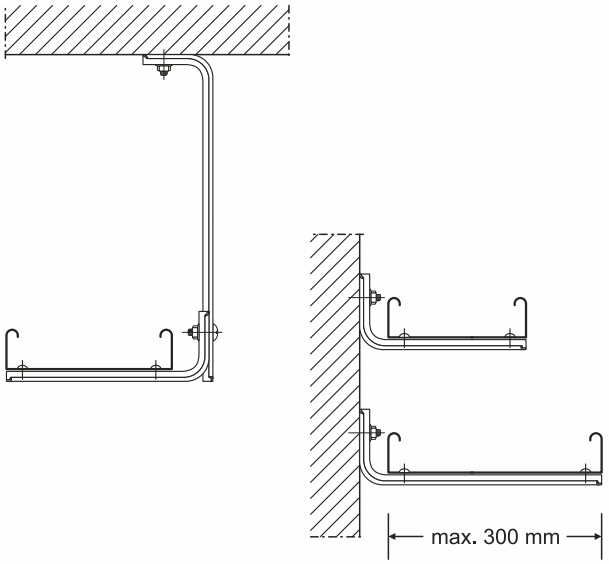






Applications



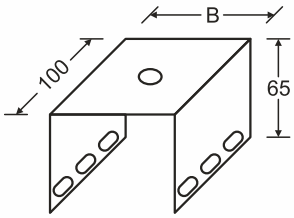


PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Centre suspension

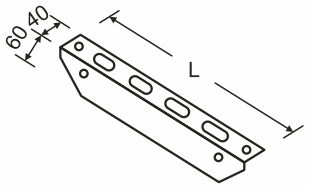
- for centre mounting of cable trays width up to 200 mm.



Part Nr.	Width B (mm)	Weight KG/p
10 LSC-100.PG	100	
10 LSC-150.PG	150	
10 LSC-200.PG	200	
10 LSC-100.DG	100	
10 LSC-150.DG	150	
10 LSC-200.DG	200	

Support angles

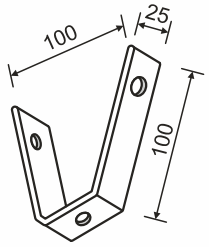
- for hanging cable trays from the ceiling, using threaded rods.



Part Nr.	Length L (mm)	Weight KG/p
10 LSD-100.PG	200	
10 LSD-150.PG	250	
10 LSD-200.PG	300	
10 LSD-300.PG	400	
10 LSD-400.PG	500	
10 LSD-500.PG	600	
10 LSD-600.PG	700	
10 LSD-100.DG	200	
10 LSD-150.DG	250	
10 LSD-200.DG	300	
10 LSD-300.DG	400	
10 LSD-400.DG	500	
10 LSD-500.DG	600	
10 LSD-600.DG	700	

Trapezoid plate

- for hanging cable trays from pre-fabricated ceiling



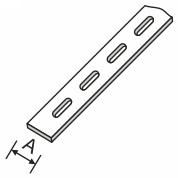
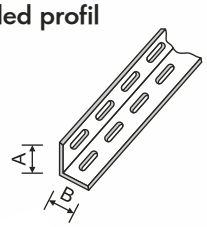
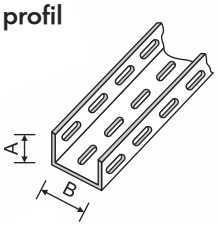
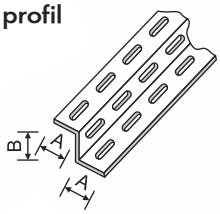
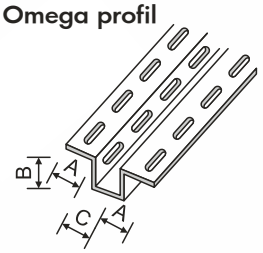
Part Nr.	Weight KG/p
10 LSE.PG	
10 LSE.DG	

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

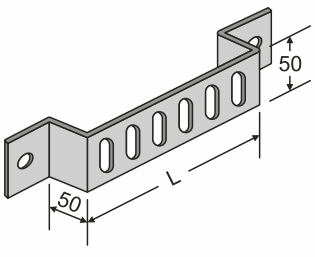
- Thickness: 1,5 mm.
- perforation 7X25 mm.

Perforated profile 10 LSA

Part Nr.	Dimension A B C		Weight KG/p	Part Nr. DG
		Strip plate 		
		Angled profil 		
10 LSA-2.PG 10 LSA-5.PG	25 - - 50 - -			10 LSA-2.DG 10 LSA-5.DG
		U - profil 		
10 LSA-22.PG 10 LSA-55.PG	25 25 - 50 50 -			10 LSA-22.DG 10 LSA-25.DG 10 LSA-55.DG
		Z - profil 		
10 LSA-222.PG 10 LSA-252.PG 10 LSA-555.PG	25 25 - 25 50 - 50 50 -			10 LSA-222.DG 10 LSA-252.DG 10 LSA-555.DG
10 LSA-232.PG 10 LSA-262.PG	25 - - 25 - -			10 LSA-232.DG 10 LSA-262.DG
		Omega profil 		
10 LSA-242.PG	5X25			10 LSA-242.DG 10 LSA-265.DG

Wall supports 10 LSB

Part Nr. PG	Size L (mm)	Weight KG/p
10 LSB-100.PG 10 LSB-150.PG 10 LSB-200.PG	100 150 200	
10 LSB-300.PG 10 LSB-400.PG	300 400	
10 LSB-500.PG 10 LSB-600.PG	500 600	



Part Nr. DG	Size L (mm)	Weight KG/p
10 LSB-100.DG 10 LSB-150.DG 10 LSB-200.DG	100 150 200	
10 LSB-300.DG 10 LSB-400.DG	300 400	
10 LSB-500.DG 10 LSB-600.DG	500 600	

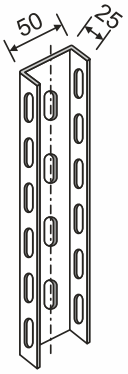
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Medium duty supports 10MS

- **made of galvanized sheet steel acc.** to DIN EN 10142

Part Nr.	Weight KG/p
10 MSA.PG	

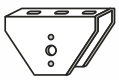


U - channel

- **made of metal sheet steelhot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

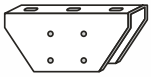
Part Nr.	Weight KG/p
10 MSA.DG	

Part Nr.	Weight KG/p
10 MS1-A.PG 10 MS1-B.PG	



Small gusset 10 MS1-A

Large gusset 10 MS1-B



Part Nr.	Weight KG/p
10 MS1-A.DG 10 MS1-B.DG	

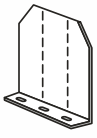
10 MS2.PG	

Joining plate 10MS2

10 MS2.DG	

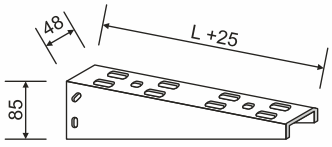
10 MS3.PG	

Foot gusset 10MS3



10 MS3.DG	

Part Nr. PG	Weight KG/p
10 MDB-10.PG 10 MDB-15.PG 10 MDB-20.PG	
10 MDB-30.PG 10 MDB-40.PG	
10 MDB-50.PG 10 MDB-60.PG	



Bracket

Part Nr. PG	Weight KG/p
10 MDB-10.DG 10 MDB-15.DG 10 MDB-20.DG	
10 MDB-30.DG 10 MDB-40.DG	
10 MDB-50.DG 10 MDB-60.DG	

PG: to be used indoors in almost dry atmosphere

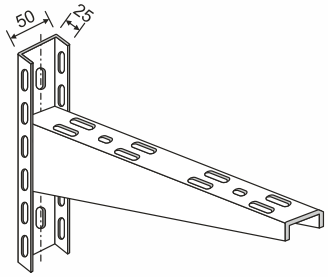
DG: to be used outdoors or indoors in humid atmosphere

U - channels 10 MS

- **made of galvanized sheet steel acc.** to DIN EN 10142

- **made of metal sheet steel hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

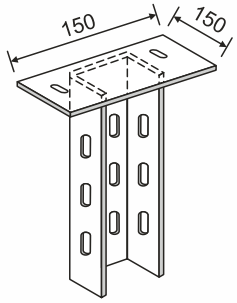
single u - channel piece



Part Nr. PG	Length (mm)	Weight KG/p
10 MS-030.PG 10 MS-040.PG 10 MS-050.PG	300 400 500	
10 MS-060.PG 10 MS-080.PG 10 MS-100.PG	600 800 1000	
10 MS-150.PG 10 MS-200.PG 10 MS-250.PG	1500 2000 2500	

Part Nr. PG	Length (mm)	Weight KG/p
10 MS-030.DG 10 MS-040.DG 10 MS-050.DG	300 400 500	
10 MS-060.DG 10 MS-080.DG 10 MS-100.DG	600 800 1000	
10 MS-150.DG 10 MS-200.DG 10 MS-250.DG	1500 2000 2500	

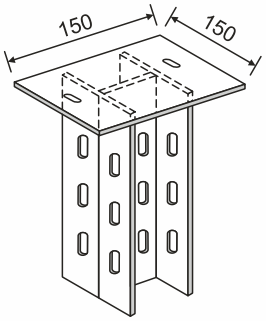
flanged single u - channel



10 MSP-030.PG 10 MSP-040.PG 10 MSP-050.PG	300 400 500	
10 MSP-060.PG 10 MSP-080.PG 10 MSP-100.PG	600 800 1000	
10 MSP-150.PG 10 MSP-200.PG 10 MSP-250.PG	1500 2000 2500	

10 MSP-030.DG 10 MSP-040.DG 10 MSP-050.DG	300 400 500	
10 MSP-050.DG 10 MSP-080.DG 10 MSP-100.DG	600 800 1000	
10 MSP-150.DG 10 MSP-200.DG 10 MSP-250.DG	1500 2000 2500	

flanged double u - channel



10 MST-030.PG 10 MST-040.PG 10 MST-050.PG	300 400 500	
10 MST-060.PG 10 MST-080.PG 10 MST-100.PG	600 800 1000	
10 MST-150.PG 10 MST-200.PG 10 MST-250.PG	1500 2000 2500	

10 MST-030.DG 10 MST-040.DG 10 MST-050.DG	300 400 500	
10 MST-050.DG 10 MST-080.DG 10 MST-100.DG	600 800 1000	
10 MST-150.DG 10 MST-200.DG 10 MST-250.DG	1500 2000 2500	

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

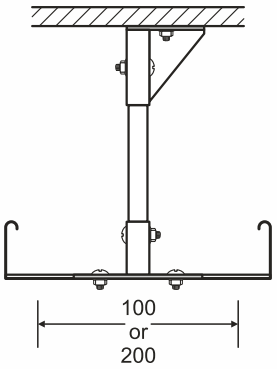
Center - mounted supports 10 MSB/MSC

- Center-mounted supports for cable trays and cable ladders up to 400 mm width.
- **made of galvanized sheet steel acc.** to DIN EN 10142
- For 100 and 200 mm width of trays a reinforcement rail is not necessary.
  Center-mounted supports MSB are composed of:
  - 1 head MSD-1
  - 1 channel MSD-2 (length L)
  - 1 fixing corner MSD-3 (see p.10/09).
- **made of metal sheet steel hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

10 MSB

- For cable tray width 100 or 200 mm

Part Nr.	H mm	Weight KG/p
10 MSB-03.PG	300	
10 MSB-04.PG	400	
10 MSB-05.PG	500	
10 MSB-06.PG	600	
10 MSB-07.PG	700	
10 MSB-08.PG	800	
10 MSB-09.PG	900	
10 MSB-10.PG	1000	



10 MSB

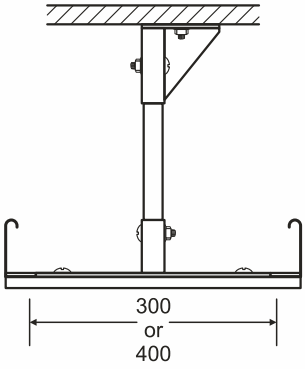
- For cable tray width 100 or 200 mm

Part Nr.	H mm	Weight KG/p
10 MSB-03.DG	300	
10 MSB-04.DG	400	
10 MSB-05.DG	500	
10 MSB-06.DG	600	
10 MSB-07.DG	700	
10 MSB-08.DG	800	
10 MSB-09.DG	900	
10 MSB-10.DG	1000	

10 MSC

- For cable tray width 300 or 400 mm
- Center-mounted supports MSC are composed of:
  - 1 head MSD-1
  - 1 channel MSD-2 (length L)
  - 1 fixing corner MSD-5
  - reinforcement rail MSE (see p. 10/9)

10 MSC-03.PG	300	
10 MSC-04.PG	400	
10 MSC-05.PG	500	
10 MSC-06.PG	600	
10 MSC-07.PG	700	
10 MSC-08.PG	800	
10 MSC-09.PG	900	
10 MSC-10.PG	1000	



10 MSC

- For cable tray width 300 or 400 mm

10 MSC-03.DG	300	
10 MSC-04.DG	400	
10 MSC-05.DG	500	
10 MSC-06.DG	600	
10 MSC-07.DG	700	
10 MSC-08.DG	800	
10 MSC-09.DG	900	
10 MSC-10.DG	1000	

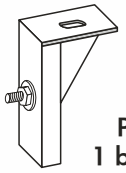
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Components of center-mounted MSD supports

- By assembling the componenets listed below we can compose center-mounted supports for trays or ladders having a width of 100 to 400mm.
- **made of galvanized sheet steel acc.** to DIN EN 10142
- **made of metal sheet steel hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Head

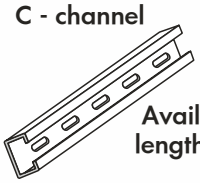


Price incl. 1 bolt M8X25

Part Nr.	Weight KG/p
10 MSD-1.PG	

Part Nr.	Weight KG/p
10 MSD-1.DG	

C - channel

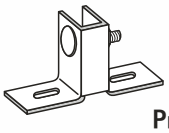


Available in lengths of 2,0

10 MSD-2.PG	

10 MSD-2.DG	

Fixing corner

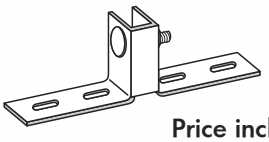


Price incl. 1 bolt M8X30 and 2 bolts M6X15

10 MSD-3.PG	

10 MSD-3.DG	

Fixing corner

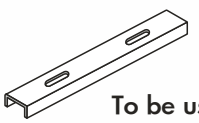


Price incl. 1 bolt M8X30 and 2 bolts M6X15

10 MSD-4.PG	

10 MSD-4.DG	

Reinforcement rail



To be used in all sizes of cable ladders and cable trays of a width 300 or 400 mm.

Part Nr. PG	L mm	Weight KG/p
10 MSE-15.PG	150	
10 MSE-20.PG	200	
10 MSE-30.PG	300	
10 MSE-40.PG	400	

Part Nr. PG	L mm	Weight KG/p
10 MSE-15.DG	150	0,15
10 MSE-20.DG	200	0,20
10 MSE-30.DG	300	0,30
10 MSE-40.DG	400	0,40

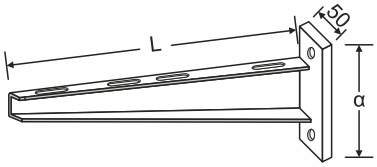
DG: to be used outdoors or indoors in humid atmosphere

Brackets 10 HDB

- **made of metal sheet steel hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

HDB 15 - 150KG

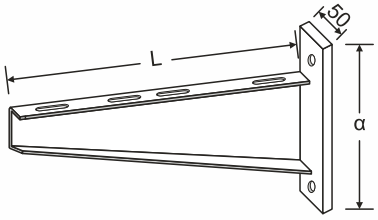
Part Nr.	Lgth L(mm)	Size a(mm)	Weight KG/p
10 HDB15-10.DG	110	50	
10 HDB15-15.DG	160	55	
10 HDB15-20.DG	210	60	
10 HDB15-30.DG	310	65	
10 HDB15-40.DG	410	70	
10 HDB15-50.DG	510	75	
10 HDB15-60.DG	610	80	



- Permissible load: 150 kgr
- to be fixed at concrete walls and firm brickwork using steel dowels. (p.10/17).
- Can also be fixed on series 50 channels

HDB 30 - 300 KG

Part Nr.	Lgth L(mm)	Size a(mm)	Weight KG/p
10 HDB30-10.DG	110	65	
10 HDB30-15.DG	160	70	
10 HDB30-20.DG	210	75	
10 HDB30-30.DG	310	75	
10 HDB30-40.DG	410	80	
10 HDB30-50.DG	510	85	
10 HDB30-60.DG	610	95	



- Permissible load: 300 kgr
- to be fixed at concrete walls and firm brickwork using steel dowels. (p.10/17).
- Can also be fixed on series 50 channels

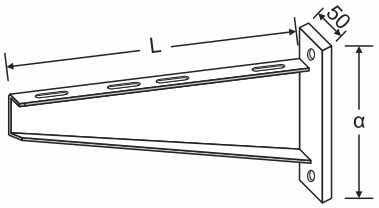
DG: to be used outdoors or indoors in humid atmosphere

Brackets 10 HDB

- made of metal sheet steel hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

HDB 50 - 500 KG

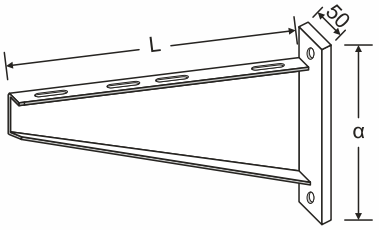
Part Nr.	Lgth L(mm)	Size a(mm)	Weight KG/p
10 HDB50-20.DG	210	90	
10 HDB50-30.DG	310	110	
10 HDB50-40.DG	410	130	
10 HDB50-50.DG	510	145	
10 HDB50-60.DG	610	170	
10 HDB50-70.DG	710	200	
10 HDB50-80.DG	810	210	



- Permissible load: 500 kgr
- to be fixed at concrete walls and firm brickwork using steel dowels. (p.10/17).
- Can also be fixed on series 50 channels

HDB 80 - 800 KG

Part Nr.	Lgth L(mm)	Size a(mm)	Weight KG/p
10 HDB80-20.DG	210	110	
10 HDB80-30.DG	310	145	
10 HDB80-40.DG	410	165	
10 HDB80-50.DG	510	200	
10 HDB80-60.DG	610	220	
10 HDB80-70.DG	710	240	
10 HDB80-80.DG	810	250	



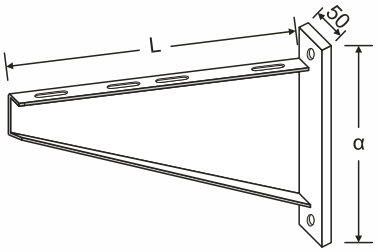
- Permissible load: 800 kgr
- to be fixed at concrete walls and firm brickwork using steel dowels. (p.10/17).
- Can also be fixed on series 50 channels

DG: to be used outdoors or indoors in humid atmosphere

Brackets 10 HDB

- **made of metal sheet steel hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

HDB 100 - 1000 KG



Part Nr.	Lgth L(mm)	Size a(mm)	Weight KG/p
10 HDB100-20.DG	210	140	
10 HDB100-30.DG	310	170	
10 HDB100-40.DG	410	200	
10 HDB100-50.DG	510	240	
10 HDB100-60.DG	610	260	
10 HDB100-70.DG	710	305	
10 HDB100-80.DG	810	325	

- Permissible load: 1000 kgr
- to be fixed at concrete walls and firm brickwork using steel dowels. (p.10/17).
- Can also be fixed on series 50 channels

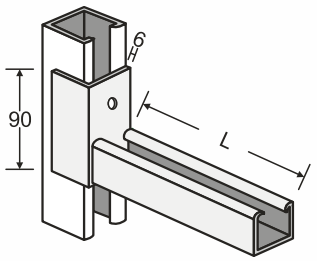
DG: to be used outdoors or indoors in humid atmosphere

Brackets 10 EDB

- made of metal sheet steel hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

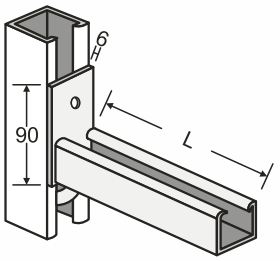
Brackets EHD - 1

Part Nr.	Size a(mm)	Adms load KG	Weight KG/p
10 EHD1-15.DG	150	650	
10 EHD1-20.DG	200	600	
10 EHD1-30.DG	300	400	
10 EHD1-40.DG	400	300	
10 EHD1-50.DG	500	240	
10 EHD1-60.DG	600	200	



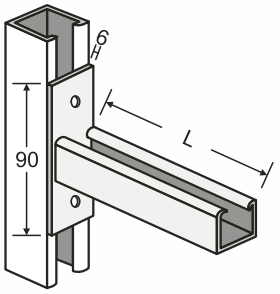
Brackets EHD - 2

Part Nr.	Size a(mm)	Adms load KG	Weight KG/p
10 EHD2-15.DG	150	650	
10 EHD2-20.DG	200	600	
10 EHD2-30.DG	300	400	
10 EHD2-40.DG	400	300	
10 EHD2-50.DG	500	240	
10 EHD2-60.DG	600	200	



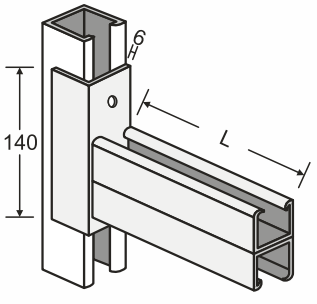
Brackets EHD - 3

Part Nr.	Size a(mm)	Adms load KG	Weight KG/p
10 EHD3-15.DG	150	650	
10 EHD3-20.DG	200	600	
10 EHD3-30.DG	300	400	
10 EHD3-40.DG	400	300	
10 EHD3-50.DG	500	240	
10 EHD3-60.DG	600	200	



Brackets EHD - 4

Part Nr.	Size a(mm)	Adms load KG	Weight KG/p
10 EHD4-15.DG	150	650	
10 EHD4-20.DG	200	650	
10 EHD4-30.DG	300	650	
10 EHD4-40.DG	400	550	
10 EHD4-50.DG	500	440	
10 EHD4-60.DG	600	360	



- to be fixed on series 50 channels or at concrete walls (EHD 3 only).

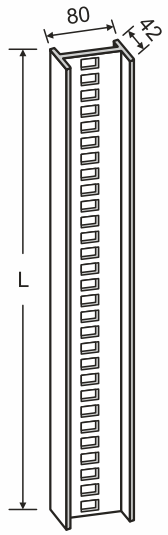
DG: to be used outdoors or indoors in humid atmosphere

I - SUPPORTS SERIES 10MT

- Hot-dip galvanized from hot rolled profile I 80 for wall or ceiling fixing.

Part Nr.	Adms load KG	Weight KG/p
10 MT-20/DG	200	1,10
10 MT-30/DG	300	1,65
10 MT-40/DG	400	2,20
10 MT-50/DG	500	2,75
10 MT-60/DG	600	3,30
10 MT-70/DG	700	3,85
10 MT-80/DG	800	4,40
10 MT-90/DG	900	4,95
10 MT-100/DG	1000	5,50
10 MT-110/DG	1100	6,05
10 MT-120/DG	1200	6,60
10 MT-130/DG	1300	7,15
10 MT-140/DG	1400	7,70
10 MT-150/DG	1500	8,25
Every additional	100 mm	0,55

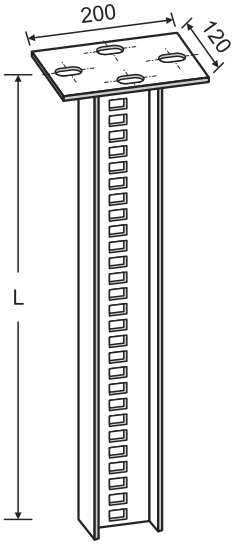
- Perforated with 75X25 mm holes.
- Available in lengths up to 3 meters



- Hot-dip galvanized from hot rolled profile I 80 for wall or ceiling fixing.

Part Nr.	Adms load KG	Weight KG/p
10 MTA-20/DG	200	1,90
10 MTA-30/DG	300	2,45
10 MTA-40/DG	400	3,00
10 MTA-50/DG	500	3,55
10 MTA-60/DG	600	4,10
10 MTA-70/DG	700	4,65
10 MTA-80/DG	800	5,20
10 MTA-90/DG	900	5,75
10 MTA-100/DG	1000	6,30
10 MTA-110/DG	1100	6,85
10 MTA-120/DG	1200	7,40
Every additional	100 mm	0,55

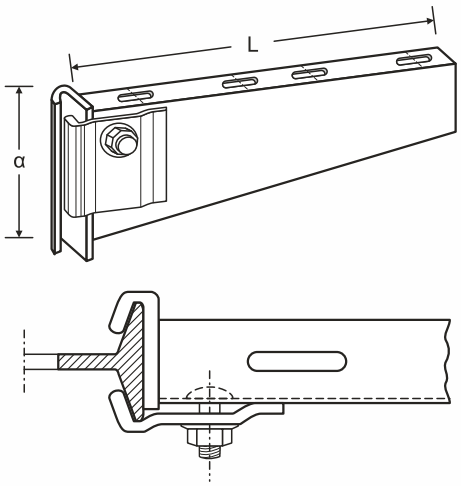
- Perforated with 75X25 mm holes.
- Available in lengths up to 3 meters



DG: to be used outdoors or indoors in humid atmosphere

BRACKETS FOR SUPPORT MOUNTING

SERIES 10HDB



Part Nr.	L (mm)	a (mm)	Weight KG
LIGHT DUTY	**MAX LOAD 150 KG**		
10HDC-15-10/DG	110	50	0,30
10HDC-15-15/DG	160	55	0,40
10HDC-15-20/DG	210	60	0,42
10HDC-15-30/DG	310	70	0,72
10HDC-15-40/DG	410	70	0,90
10HDC-15-50/DG	510	85	1,30
10HDC-15-60/DG	610	90	1,56

Permissible load: 150 kgr

MEDIUM DUTY	MAX LOAD 300 KG		
10HDC-30-10/DG	110	65	0,38
10HDC-30-15/DG	160	70	0,45
10HDC-30-20/DG	210	75	0,52
10HDC-30-30/DG	310	85	0,85
10HDC-30-40/DG	410	90	1,15
10HDC-30-50/DG	510	95	1,55
10HDC-30-60/DG	610	100	1,90

Permissible load: 300 kgr

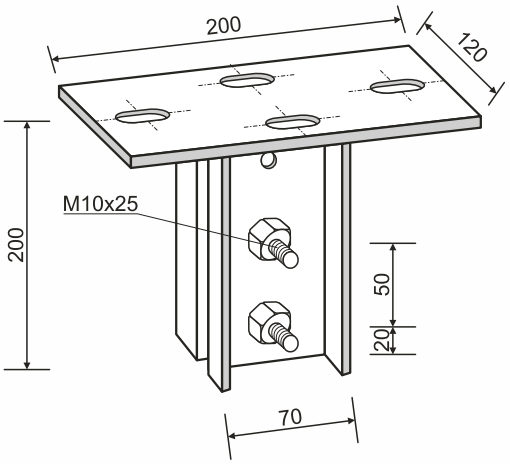
HEAVY DUTY	MAX LOAD 500 KG		
10HDC-50-20/DG	210	90	0,92
10HDC-50-30/DG	310	115	1,45
10HDC-50-40/DG	410	130	1,80
10HDC-50-50/DG	510	150	2,50
10HDC-50-60/DG	610	175	3,00
10HDC-50-70/DG	710	200	4,20
10HDC-50-80/DG	810	210	4,70

Permissible load: 500 kgr

- Made of hot-dip galvanized sheet - steel, acc to EN ISO 1461.
- These brackets are used in connection with supports series 10MT & 10MTA (page 10-14).

DG: to be used outdoors or indoors in humid atmosphere

HEAD PLATE

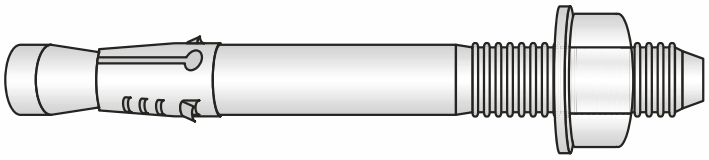


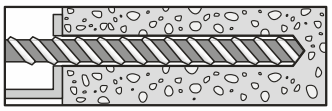
- **HEAD PLATE to be used for hanging I 80 channel from the celeing Part Nr. 10MTB/DG**
- **hot-dip galvanized after manufacture acc. to EN ISO 1461**

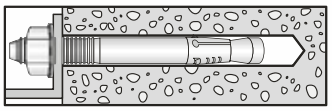
Throughbolt Anchors

TRUTEK THROUGHBOLT ANCHORS

- To be used for anchoring all types of brackets and channels.





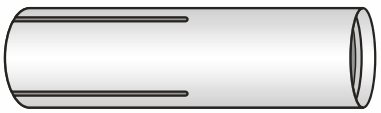


Part Nr.	Thread	Drill diam	Drill depth	Permissible load (kgf) tension	Permissible load (kgf) shear
TT 06055	M6X55	6	35	210	200
TT 08050	M8X50	8	40	420	330
TT 08080	M8X80	8	40	420	330
TT 10090	M10X90	10	50	590	600
TT 12100	M12X100	12	65	880	1000

Drop In Anchors

TRUTEK DROP-IN ANCHORS

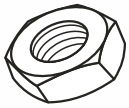
- Suitable for small loads.
  To be used for anchoring all types of brackets and channels.



Part Nr.	Thread	Drill diam	Drill depth	Permissible load (kgf) tension	Permissible load (kgf) shear
TRTDA 06	M6	8	25	250	200
TRTDA 08	M8	10	30	340	240
TRTDA 10	M10	12	40	520	290
TRTDA 12	M12	15	50	770	500

Fasteners

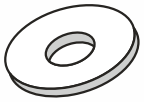
Nuts



- acc. to DIN 555
- material: steel
- zinc electroplated acc. to DIN 50961

Size	Part Nr.	Weight (%) Kg
M6	10G.21.06	
M8	10G.21.08	
M10	10G.21.10	
M12	10G.21.12	

Washers



- acc. to DIN 125
- material: steel
- zinc electroplated acc. to DIN 50961

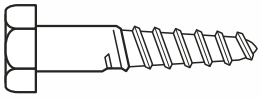
Size	Part Nr.	Weight (%) Kg
M6	10G.31.06	
M8	10G.31.08	
M10	10G.31.10	
M12	10G.31.12	

Locking washers

- acc. to DIN 6798
- material: steel
- zinc electroplated acc. to DIN 50961

Size	Part Nr.	Weight (%) Kg
M6	10G.41.06	
M8	10G.41.08	
M10	10G.41.10	
M12	10G.41.12	

Wood screw



- acc. to DIN 7976
- material: steel
- zinc electroplated acc. to DIN 50961

Size	Part Nr.	Weight (%) Kg
M 8X50	10G.13.850	
M 8X60	10G.31.860	
M 10X50	10G.13.1050	
M 10X60	10G.13.1060	
M 10X80	10G.13.1080	

Fasteners

- Price includes:
  - ⇨1 bolt M6X16
  - ⇨1 nut M6
  - ⇨1 washer M6
- Zinc electroplated acc. to DIN 50961

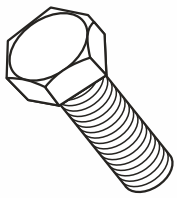
Bolts M 6X13

Size	Part Nr.	Weight (%) Kg
M6X13	10G.12.616	

- acc. to DIN 931
- material: steel
- zinc electroplated acc. to DIN 50961

Hexagonal Bolts

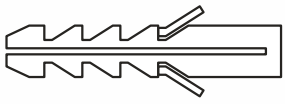
Size	Part Nr.	Weight (%) Kg
M6X16 M6X20 M6X25 M6X30	10G.11.616 10G.11.620 10G.11.625 10G.11.630	
M6X16 M6X20 M6X25 M6X30 M6X40	10G.11.816 10G.11.820 10G.11.825 10G.11.830 10G.11.840	



Size	Part Nr.	Weight (%) Kg
M10X20 M10X25 M10X30 M10X40 M10X50	10G.11.1020 10G.11.1025 10G.11.1030 10G.11.1040 10G.11.1050	
M12X20 M12X25 M12X30 M12X40 M12X50 M12X60	M12X20 M12X25 M12X30 M12X40 M12X50 M12X60	

Nylon anchors

Size	Part Nr.	Weight (%) Kg
M6 M8 M10 M12	90.012.KD6 90.012.KD8 90.012.KD10 90.012.KD12	

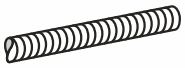


Threaded rods

- **Zinc electroplated** acc. to DIN 50961
- Length L=50mm.
- material: steel
- zinc electroplated acc. to DIN 50961

Size	Part Nr.	Weight KG/p
M8 M10 M12	10G.505.08 10G.505.10 10G.505.12	

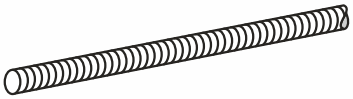
Threaded pins



- Length L=1,0mm
- material: steel
- zinc electroplated acc. to DIN 50961

Size	Part Nr.	Weight KG/p
M8 M10 M12	10G.505.08 10G.505.10 10G.505.12	

Threaded rods



- Length L=2,0mm

Size	Part Nr.	Weight KG/p
M8 M10 M12	10G.52.08 10G.52.10 10G.52.12	

- For connection of 2 pcs threaded rods
- material: steel
- zinc electroplated acc. to DIN 50961

Threaded bushing

Size	Part Nr.	Weight KG/p
M8 M10 M12	10G.591.08 10G.591.10 10G.591.12	

- For fixing the pipe clamps to nylon anchors
- material: steel
- zinc electroplated acc. to DIN 50961

Bold-threaded pins

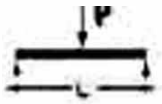
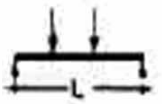
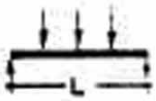
Size	Part Nr.	Weight KG/p
M8 M10 M12	10G.592.850 10G.592.1050 10G.592.1250	

PG: to be used indoors in almost dry atmosphere

Support channel 63 AP

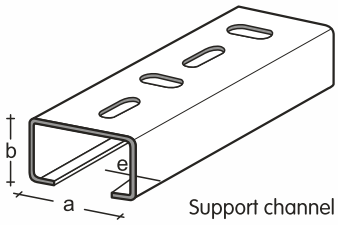
- made of galvanized sheet steel acc. to DIN EN 110142 Part Nr. indication: (PG).
- available also in hot dip galvanized metal sheet after manufacturing according to DIN 50976 Part Nr. indication: (DG).
- standard length 2,5 m.
- Pipes through pipe clamps can be safely and simply fitted to all hydraulic installations, central heating systems and air conditioning systems.
- High tensile strength in bending due to the carefully designed crossection of the profile.
- Associating accessories part No.

  nut : 63G8
  washer : 63G28 or 63G38

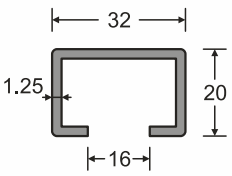
Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	119,0	59,4	39,6	29,7
	89,1	44,5	29,7	22,3
	59,4	29,7	19,8	14,8
	49,5	27,4	16,5	12,3

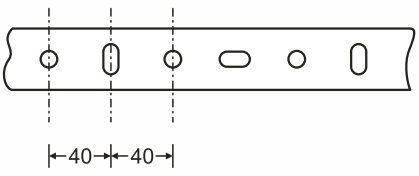
Profile 63 AP
32 X 20 X 1,2 mm

Part Nr.	Weight KG/p
63AP.PG	



Support channel

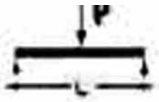
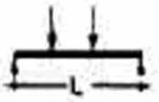
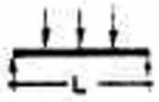
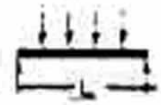




PG: to be used indoors in almost dry atmosphere

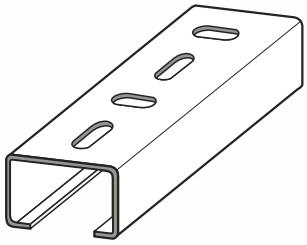
Support channel 63AQ - 63AR

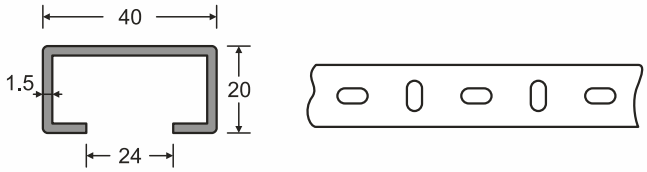
- The loads given below do not exceed the allowable stress as well as maximum deflection (L/150), on the steel.

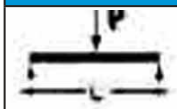
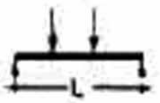
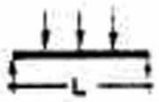
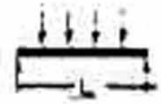
Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	226,6	113,3	75,5	56,6
	170,0	85,6	56,6	42,5
	113,3	56,6	37,7	28,3
	94,4	47,2	31,4	23,6

Profile AQ
40 X 20 X 1,5 mm

Part Nr.	Weight KG/p
63AQ.PG	

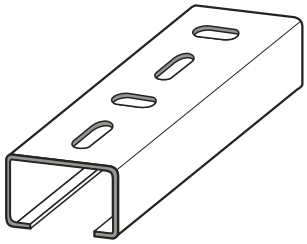


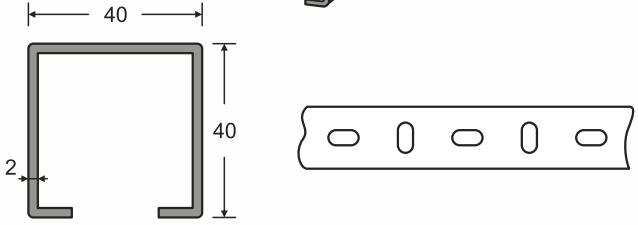


Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	293,5	146,7	97,8	73,3
	220,1	110,0	73,3	55,0
	146,7	73,3	48,9	36,6
	122,3	61,1	40,7	30,5

Profile AR
40 X 40 X 2.0 mm

Part Nr.	Weight KG/p
63AQ.PG	

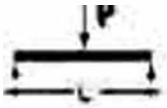
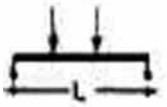
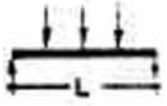




PG: to be used indoors in almost dry atmosphere

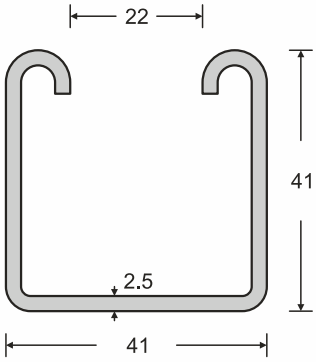
Support channel 63AS - 63AT

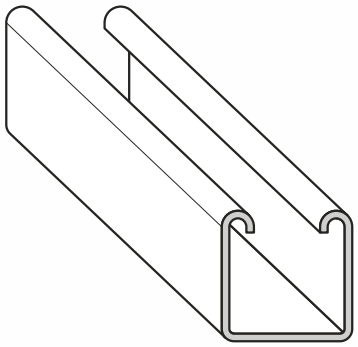
- The loads given below do not exceed the allowable stress as well as maximum deflection (L/150), on the steel.

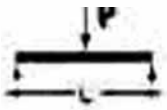
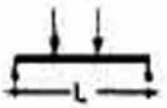
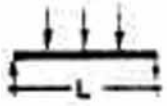
Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	407,9	203,9	135,9	101,9
	305,9	152,9	101,9	76,4
	203,9	101,9	67,9	50,9
	169,9	84,9	56,6	42,4

Profile 63 AS
41 X 41 X 2,5 mm

Part Nr.	Weight KG/p
63AS.PG	



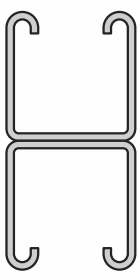

50A

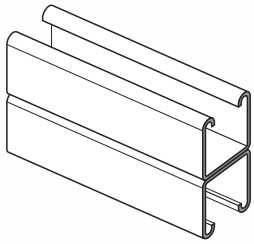
Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	540,8	270,4	180,2	135,2
	405,6	202,8	135,2	101,4
	270,4	135,2	90,1	67,6
	225,3	112,6	75,1	56,3

Profile 63 AT
82 X 41 X 2,5 mm

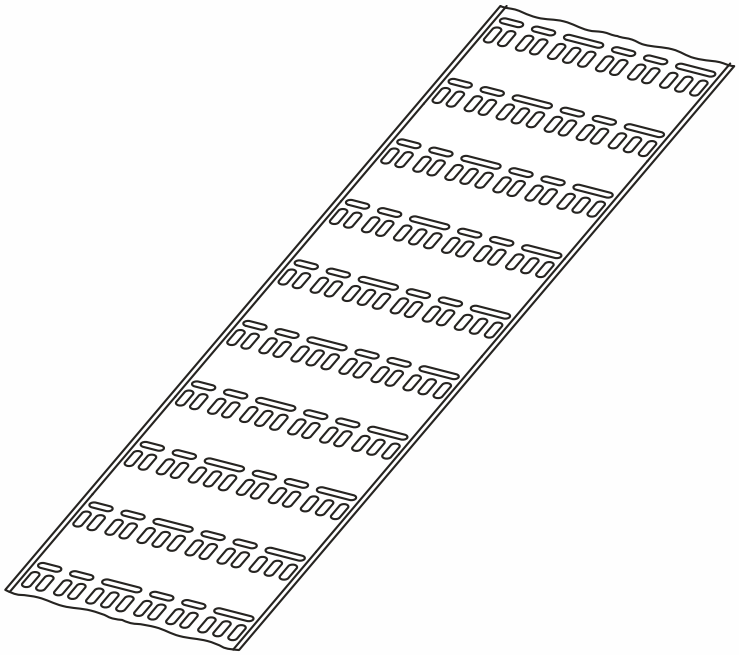
Part Nr.	Weight KG/p
63AT.PG	

52A21





Range 20
Marine type Cable trays



CONTENTS Ch. 20.
MARINE TYPE CABLE TRAYS

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Marine type cable trays standard perforation

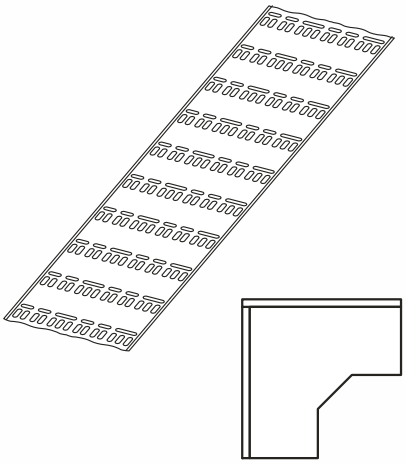
- made of galvanized sheet steel acc. to DIN EN 10142

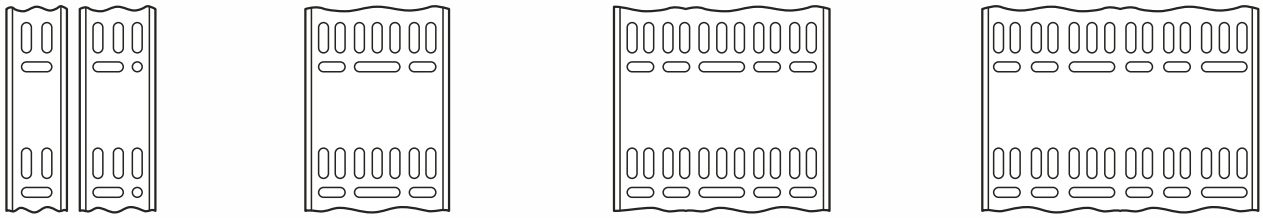
Width (mm)	Part Nr.	Plate gauge (mm)	Weight KG/m
35	21A-1V-035M/PG	0,8	
50	21A-1V-050M/PG	0,8	
75	21A-1V-075M/PG	0,8	
100	21A-1V-100M/PG	0,8	
150	21A-1V-150M/PG	0,8	
200	21A-1V-200M/PG	0,8	
250	21A-1V-250M/PG	0,8	
300	21A-1V-300M/PG	0,8	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

Width (mm)	Part Nr.	Plate gauge (mm)	Weight KG/m
35	21A-1V-035N/DG	1,0	
50	21A-1V-050N/DG	1,0	
75	21A-1V-075N/DG	1,0	
100	21A-1V-100S/DG	1,2	
150	21A-1V-150S/DG	1,2	
200	21A-1V-200S/DG	1,2	
250	21A-1V-250P/DG	1,5	
300	21A-1V-300P/DG	1,5	

- Standard length: 3000 mm.
- Side walls: 12 mm.
- Trays bottom has standard perforation which ensures a rigid construction.
- Available also in different plate gauges upon request.

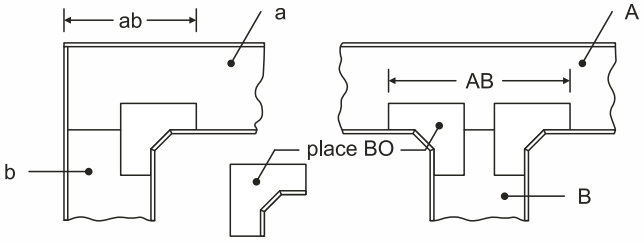




BENDING PIECE BO

Part Nr.	Weight KG/m	Suitable for cable tray width.
21BO.1.PG		35-50
21BO.2.PG		75-100
21BO.3.PG		150-200
21BO.4.PG		250-300

Part Nr.	Weight KG/m	Suitable for cable tray width.
21BO.1.DG		35-50
21BO.2.DG		75-100
21BO.3.DG		150-200
21BO.4.DG		250-300



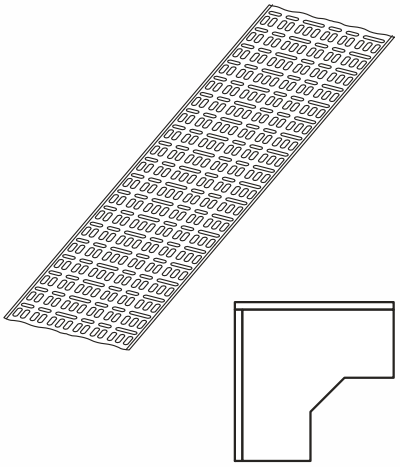
- For creating a bend between the 2 adjacment cable trays “a” & “b” we cut off the edge of the tray “a” in a distance ‘’ab,, and connect the 2 trays by bolting a small piece type BO.
- For creating a T-connection between 2 vertically met cable trays “a” & “b” we cut off the edge of the tray “a” in distance ‘’AB,, and connect the 2 trays by bolting 2 pieces type BO.

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Marine type cable trays Full perforation

- Standard length: 3000 mm.
- Side walls: 12 mm.
- Trays bottom has Full perforation which ensures a rigid construction.
- Available also in different plate gauges upon request.

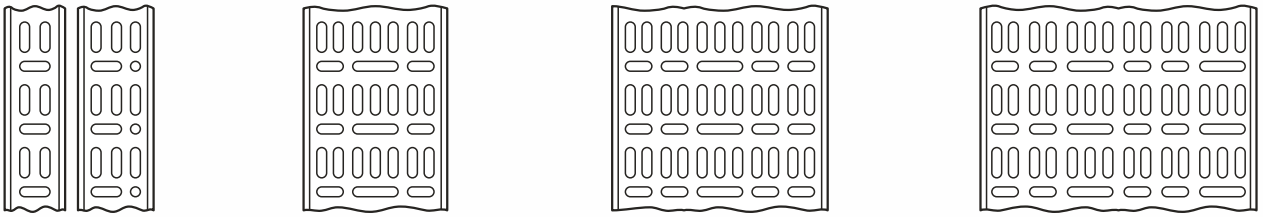


- **made of galvanized sheet steel** acc. to DIN EN 10142

Width (mm)	Part Nr.	Plate gauge (mm)	Weight KG/m
35	21A-1W-035M/PG	0,8	
50	21A-1W-050M/PG	0,8	
75	21A-1W-075M/PG	0,8	
100	21A-1W-100M/PG	0,8	
150	21A-1W-150M/PG	0,8	
200	21A-1W-200M/PG	0,8	
250	21A-1W-250M/PG	0,8	
300	21A-1W-300M/PG	0,8	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

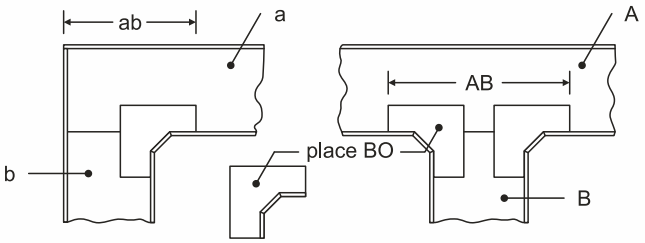
Width (mm)	Part Nr.	Plate gauge (mm)	Weight KG/m
35	21A-1W-035N/DG	1,0	
50	21A-1W-050N/DG	1,0	
75	21A-1W-075N/DG	1,0	
100	21A-1W-100S/DG	1,2	
150	21A-1W-150S/DG	1,2	
200	21A-1W-200S/DG	1,2	
250	21A-1W-250P/DG	1,5	
300	21A-1W-300P/DG	1,5	



BENDING PIECE BO

Part Nr.	Weight KG/m	Suitable for cable tray width.
21BO.1.PG		35-50
21BO.2.PG		75-100
21BO.3.PG		150-200
21BO.4.PG		250-300

Part Nr.	Weight KG/m	Suitable for cable tray width.
21BO.1.DG		35-50
21BO.2.DG		75-100
21BO.3.DG		150-200
21BO.4.DG		250-300



- For creating a bend between the 2 adjacment cable trays “a” & “b” we cut off the edge of the tray “a” in a distance ‘’ab,, and connect the 2 trays by bolting a small piece type BO.
- For creating a T-connection between 2 vertically met cable trays “a” & “b” we cut off the edge of the tray “a” in distance ‘’AB,, and connect the 2 trays by bolting 2 pieces type BO.

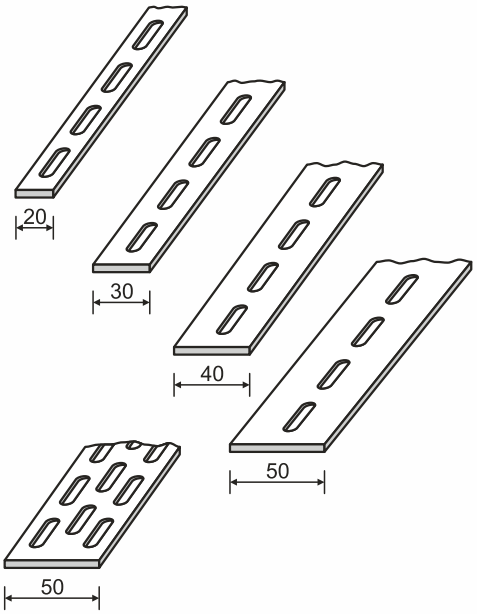
DG: to be used outdoors or indoors in humid atmosphere

- made of steel hot dip galvanized acc. to EN ISO 1461

Perforated strips 10EQ

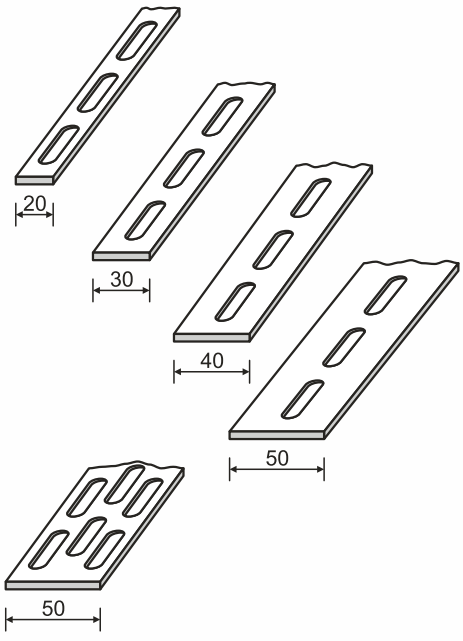
Part Nr.	Plate width B(mm)	Plate gauge s(mm)	Hole size (mm)
10EQ.31.204.DG	20	4	7X30
10EQ.31.205.DG	20	5	7X30
10EQ.31.304.DG	30	4	7X30
10EQ.31.305.DG	30	5	7X30
10EQ.31.404.DG	40	4	7X30
10EQ.31.405.DG	40	5	7X30
10EQ.31.406.DG	40	6	7X30
10EQ.31.505.DG	50	4	7X30
10EQ.31.506.DG	50	5	7X30
10EQ.31.508.DG	50	6	7X30
10EQ.32.505.DG	50	4	7X30
10EQ.32.506.DG	50	5	7X30

Perforated strips EQ 30 perforation 7X30mm



Part Nr.	Plate width B(mm)	Plate gauge s(mm)	Hole size (mm)
10EQ.41.204.DG	20	4	9X40
10EQ.41.205.DG	20	5	9X40
10EQ.41.304.DG	30	4	9X40
10EQ.41.305.DG	30	5	9X40
10EQ.41.404.DG	40	4	9X40
10EQ.41.405.DG	40	5	9X40
10EQ.41.406.DG	40	6	9X40
10EQ.41.505.DG	50	5	9X40
10EQ.41.506.DG	50	6	9X40
10EQ.41.508.DG	50	8	9X40
10EQ.42.505.DG	50	4	9X40
10EQ.42.506.DG	50	5	9X40

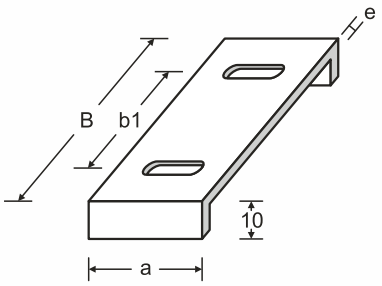
Perforated strips EQ 40 perforation 9X40mm



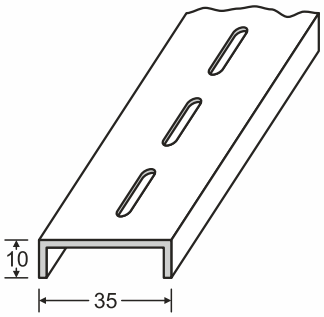
DG: to be used outdoors or indoors in humid atmosphere

Marine type perforated profile ET

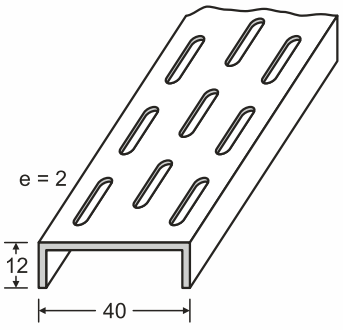
Part Nr.	Width B(mm)	Dimensions a(mm)	Dimensions b(mm)	Plate thks s(mm)
10ET.050.DG	55	25		2
10ET.075.DG	80	25		2
10ET.100.DG	105	30		2
10ET.150.DG	155	30		3
10ET.200.DG	205	30		3
10ET.250.DG	255	40		3
10ET.300.DG	305	40		3
10ET.350.DG	355	40		3
10ET.400.DG	405	50		4
10ET.450.DG	455	50		4
10ET.500.DG	505	50		4



Part Nr.	Width B(mm)	Plate thks s(mm)	Perforation (mm)
10 ET.3510.DG	35	2,0	7X25



Part Nr.	Width B(mm)	Plate thks s(mm)	Perforation (mm)
10 ET.4012.DG	40	2,0	7X25



35
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

LIGHT DUTY

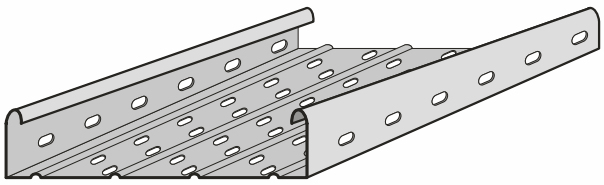
- **made of galvanized sheet steel acc.** to DIN EN 10142

Width B (mm)	Part Nr.	thks (mm)	Weight KG/m
050	32A-3V.050M.PG	0,8	
100	32A-3V.100M.PG	0,8	
150	32A-3V.150M.PG	0,8	
200	32A-3V.200M.PG	0,8	
300	32A-3V.300M.PG	0,8	

MEDIUM DUTY

- **made of galvanized sheet steel acc.** to DIN EN 10142

Width B (mm)	Part Nr.	thks (mm)	Weight KG/m
050	32A-3V.050N.PG	1,0	
100	32A-3V.100N.PG	1,0	
150	32A-3V.150N.PG	1,0	
200	32A-3V.200N.PG	1,0	
300	32A-3V.300N.PG	1,0	

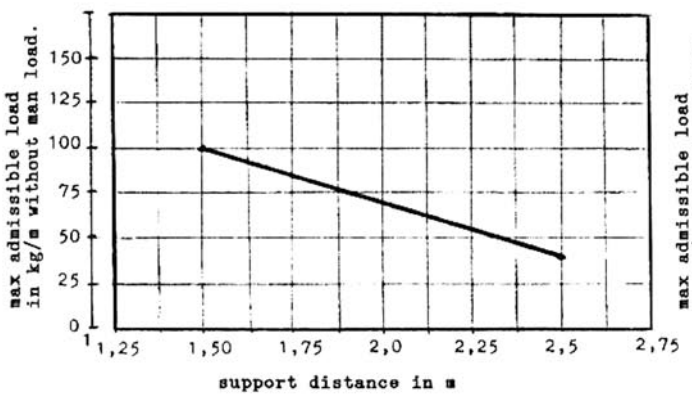


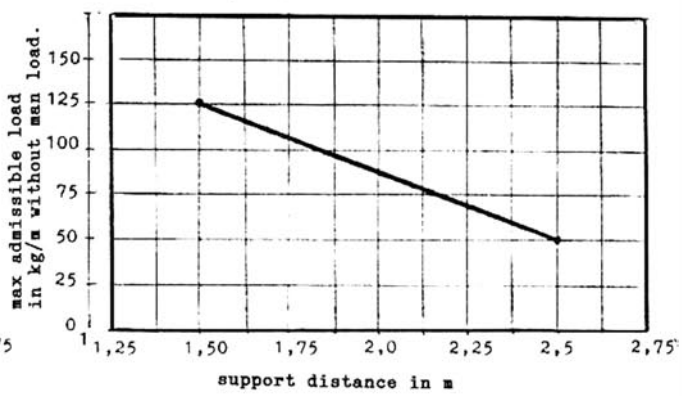
Cable trays Light & Medium duty

- Standard length: 3,0 mts.
- Inturned upper edges of side walls for reinforcement and cable protection.
- Continous perforation in bottom and side walls for ventilation and for \ fastening cables.
- Also available unperforated. In this case the symbol ''V'' in Part Nr. should be replaced by ''O''.
- Further dimensions available upon request.
- For each standard length 2 connectors type NCR 317 p.30/31 have to be ordered separately.

ACCESSORIES PAGE

- Fittings :30/05-30/09
- Connectors :30/31-30/33
- Covers :30/34-30/35
- Partition walls :30/40
- Supports :Chapter 10





35
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

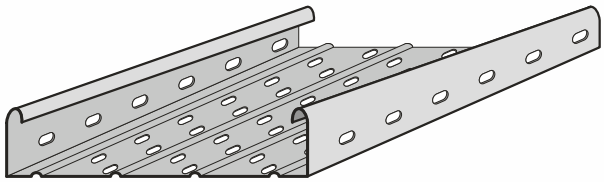
Cable Trays
HEAVY DUTY

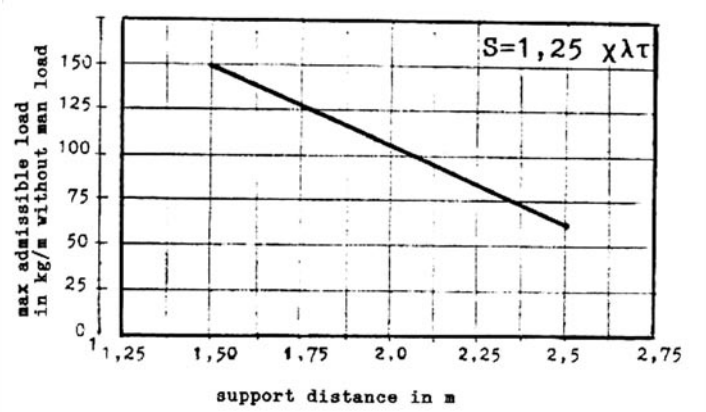
- **made of galvanized sheet steel acc.** to DIN EN 10142

Width B (mm)	Part Nr.	thks (mm)	Weight KG/m
050	32A-3V.050S.PG	1,25	
100	32A-3V.100S.PG	1,25	
150	32A-3V.150S.PG	1,25	
200	32A-3V.200S.PG	1,25	
300	32A-3V.300S.PG	1,25	

- **made of galvanized sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Width B (mm)	Part Nr.	thks (mm)	Weight KG/m
050	32A-3V.050P.DG	1,50	
100	32A-3V.100P.DG	1,50	
150	32A-3V.150P.DG	1,50	
200	32A-3V.200P.DG	1,50	
300	32A-3V.300P.DG	1,50	





- Standard length: 3,0 mts.
- Inturned upper edges of side walls for reinforcement and cable protection.
- Continous perforation in bottom and side walls for ventilation and for fastening cables.
- Also available unperforated. In this case the symbol ''V'' in Part Nr. should be replaced by ''O''.
- Further dimensions available upon request.
- For each standard length 2 connectors type NCR 317 p.30/31 have to be ordered separately.

ACCESSORIES PAGE

- Fittings :30/05-30/09
- Connectors :30/31-30/33
- Covers :30/34-30/35
- Partition walls :30/40
- Supports :Chapter 10

35
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

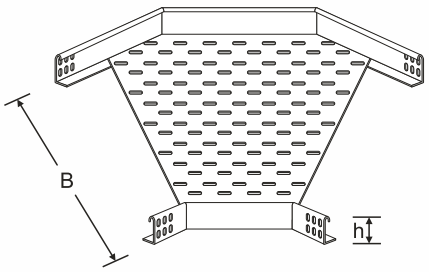
- Applications see p.30/02
- Extended ends of accessory side walls are so dimensioned and perforated to allow direct connection with the inserted cable tray. No connectors are used.

FITTINGS

Bends 90° 32 BK

Width B(mm)	Part Nr.	Weight KG/p
050	32BK-3V.050.PG	
100	32BK-3V.100.PG	
150	32BK-3V.150.PG	
200	32BK-3V.200.PG	
300	32BK-3V.300.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



050	32BK-3V.050.DG	
100	32BK-3V.100.DG	
150	32BK-3V.150.DG	
200	32BK-3V.200.DG	
300	32BK-3V.300.DG	

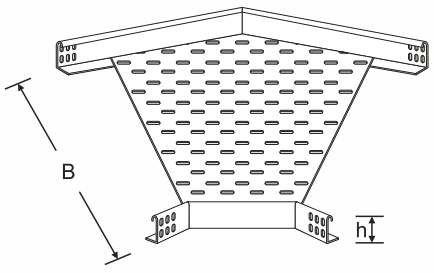
- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Bends 45° 32 BL

- Extended ends of accessory side walls are so dimensioned and perforated to allow direct connection with the inserted cable tray. No connectors are used.

Width B(mm)	Part Nr.	Weight KG/p
050	32BL-3V.050.PG	
100	32BL-3V.100.PG	
150	32BL-3V.150.PG	
200	32BL-3V.200.PG	
300	32BL-3V.300.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



050	32BK-3V.050.DG	
100	32BK-3V.100.DG	
150	32BK-3V.150.DG	
200	32BK-3V.200.DG	
300	32BK-3V.300.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

35
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

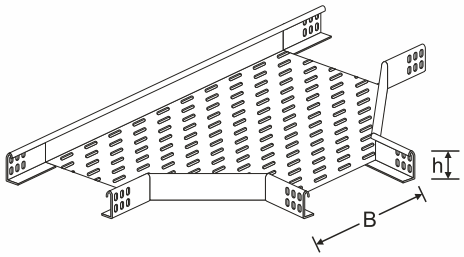
- Applications see p.30/02
- Extended ends of accessory side walls are so dimensioned and perforated to allow direct connection with the inserted cable tray. No connectors are used.

FITTINGS

Tees 32E

Width B(mm)	Part Nr.	Weight KG/p
050	32E-3V.050.PG	
100	32E-3V.100.PG	
150	32E-3V.150.PG	
200	32E-3V.200.PG	
300	32E-3V.300.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



050	32E-3V.050.DG	
100	32E-3V.100.DG	
150	32E-3V.150.DG	
200	32E-3V.200.DG	
300	32E-3V.300.DG	

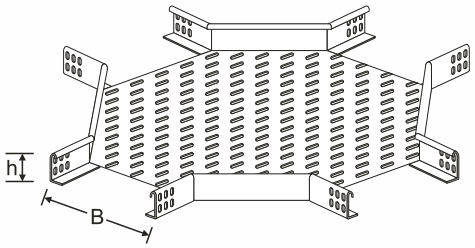
- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

- Extended ends of accessory side walls are so dimensioned and perforated to allow direct connection with the inserted cable tray. No connectors are used.

Crossing 32F

Width B(mm)	Part Nr.	Weight KG/p
050	32F-3V.050.PG	
100	32F-3V.100.PG	
150	32F-3V.150.PG	
200	32F-3V.200.PG	
300	32F-3V.300.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



050	32F-3V.050.DG	
100	32F-3V.100.DG	
150	32F-3V.150.DG	
200	32F-3V.200.DG	
300	32F-3V.300.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

35
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

FITTINGS

- Each Vertical Adjustable Bend 90° consists of:

⇒ 2 vertical bend-elements GR
⇒ 4 double vertical connectors 10VCR 317 PG or DG
⇒ 20 bolts M6X16

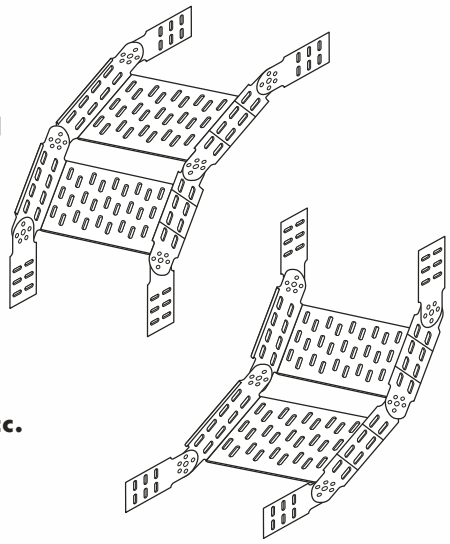
Vertical Bends 32 GC

Width B(mm)	Part Nr.	Weight KG/p
050 100 150	32GC-3V.050.PG 32GC-3V.100.PG 32GC-3V.150.PG	
200 300	32GC-3V.200.PG 32GC-3V.300.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142

050 100 150	32GC-3V.050.DG 32GC-3V.100.DG 32GC-3V.150.DG	
200 300	32GC-3V.200.DG 32GC-3V.300.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



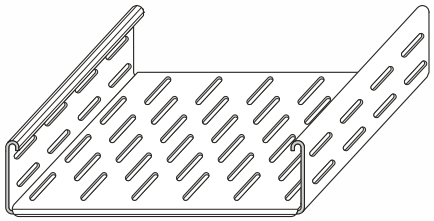
- For each Vertical Adjustable Bend, 4 vertical connectors VCR p.30/33 must be ordered separately.

Vertical Bends Elements 32 GR

- By connecting a certain number of Vertical Bend-Elements to each other we obtain a Vertical Adjustable Bend of any radius

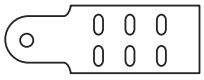
Width B(mm)	Part Nr.	Weight KG/p
050 100 150	32GR-3V.050.PG 32GR-3V.100.PG 32GR-3V.150.PG	
200 300	32GR-3V.200.PG 32GR-3V.300.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



050 100 150	32GR-3V.050.DG 32GR-3V.100.DG 32GR-3V.150.DG	
200 300	32GR-3V.200.DG 32GR-3V.300.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



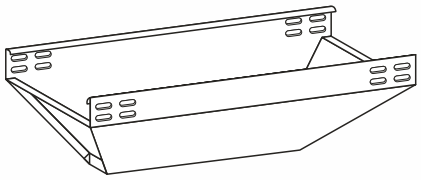
35
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Vertical Tees 10VTA

- Applications see p.30/29
- Price includes 6 flat connectors type NCF p.30/32. The necessary screws have to be ordered seperately.
- Standard covers type DAC or DAQ can be used.
- Material thks
  B:100-300=1,0mm
  B:400-600=1,5mm
- **made of galvanized sheet steel acc.** to DIN EN 10142



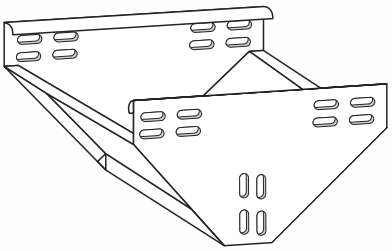
Width B(mm)	Part Nr.	Weight KG/p
050	10VTA-3.050.PG	
100	10VTA-3.100.PG	
150	10VTA-3.150.PG	
200	10VTA-3.200.PG	
300	10VTA-3.300.PG	

050	10VTA-3.050.DG	
100	10VTA-3.100.DG	
150	10VTA-3.150.DG	
200	10VTA-3.200.DG	
300	10VTA-3.300.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Vertical Tees 10VTB

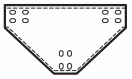
- Price includes 6 flat connectors type NCF p.30/32. The necessary screws have to be ordered seperately.
- **made of galvanized sheet steel acc.** to DIN EN 10142

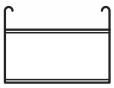


Width B(mm)	Part Nr.	Weight KG/p
050	10VTB-3.050.PG	
100	10VTB-3.100.PG	
150	10VTB-3.150.PG	
200	10VTB-3.200.PG	
300	10VTB-3.300.PG	

050	10VTB-3.050.DG	
100	10VTB-3.100.DG	
150	10VTB-3.150.DG	
200	10VTB-3.200.DG	
300	10VTB-3.300.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)





35
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

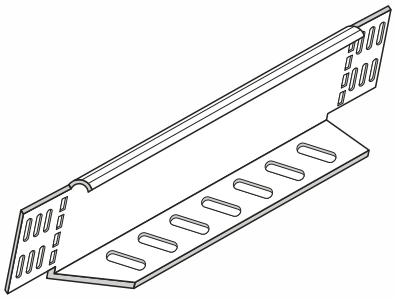
DG: to be used outdoors or indoors in humid atmosphere

● Applications see p.30/29

Reducers Blind-End Pieces 10 RA

Width B(mm)	Part Nr.	Weight KG/p
050 100 150	10RA-3.050.PG 10RA-3.100.PG 10RA-3.150.PG	
200 300 400	10RA-3.200.PG 10RA-3.300.PG 10RA-3.400.PG	
500 600	10RA-3.500.PG 10RA-3.600.PG	

● **made of galvanized sheet steel acc.** to DIN EN 10142



050 100 150	10RA-3.050.DG 10RA-3.100.DG 10RA-3.150.DG	
200 300 400	10RA-3.200.DG 10RA-3.300.DG 10RA-3.400.DG	
500 600	10RA-3.500.DG 10RA-3.600.DG	

● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

● The standarized fitting RA can be used:

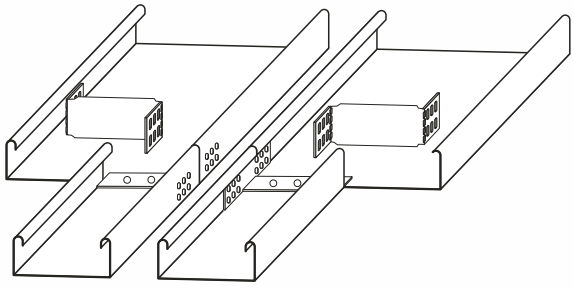
⇒ either as a Reducer, to reduce the cable tray's width

⇒ or as a Blind-End piece

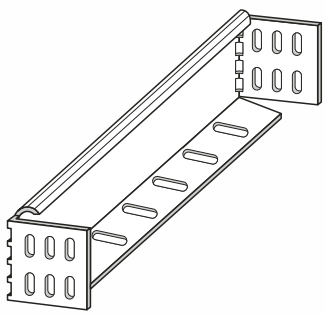
depending on the direction we bend its ends.

Applications

Reducer



Blind End Piece



60
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

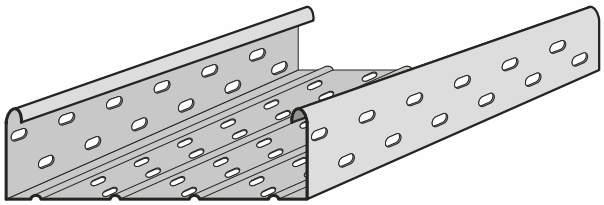
LIGHT DUTY

Width B (mm)	Part Nr.	thks (mm)	Weight KG/m
100	32A-6V.100M.PG	0,8	
150	32A-6V.150M.PG	0,8	
200	32A-6V.200M.PG	0,8	
300	32A-6V.300M.PG	0,8	

- **made of galvanized sheet steel acc.** to DIN EN 10142

HEAVY DUTY

Width B (mm)	Part Nr.	thks (mm)	Weight KG/m
100	32A-6V.100N.PG	1,0	
150	32A-6V.150N.PG	1,0	
200	32A-6V.200N.PG	1,0	
300	32A-6V.300N.PG	1,0	
400	32V-6V.400N.PG	1,0	
500	32A-6V.500N.PG	1,0	
600	32A-6V.600N.PG	1,0	

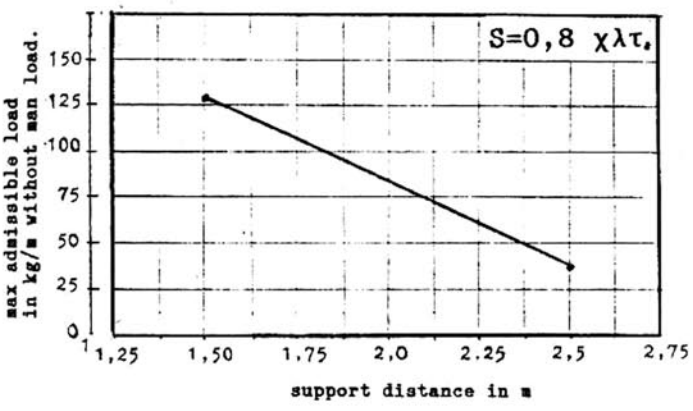


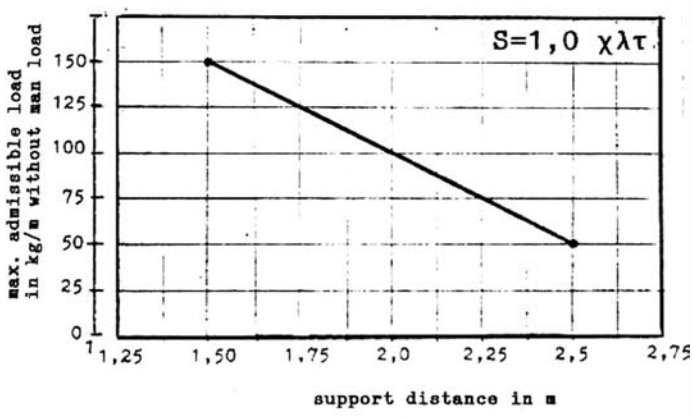
Cable Trays
LIGHT & MEDIUM DUTY

- Standard length: 3,0 mts.
- Inturned upper edges of side walls for reinforcement and cable protection.
- Continous perforation in bottom and side walls for ventilation and for fastening cables.
- Also available unperforated. In this case the symbol ''V'' in Part Nr. should be replaced by ''O''.
- Further dimensions available upon request.
- For each standard length 2 connectors type NCR 617 p.30/31 have to be ordered separately.
- Cable trays having a width of up to 300mm, can also be connected to each other by using 2 Quick-connectors type QC p.30/30. which clips into place. No bolts needed.

ACCESSORIES PAGE

- Fittings :30/12-30/16
- Connectors :30/31-30/33
- Covers :30/34-30/35
- Partition walls :30/40
- Supports :Chapter 10





60
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Cable Trays HEAVY DUTY

- Standard length: 3,0 mts.
- Inturned upper edges of side walls for reinforcement and cable protection.
- Continous perforation in bottom and side walls for ventilation and for fastening cables.
- Also available unperforated. In this case the symbol ''V'' in Part Nr. should be replaced by ''O''.
- Further dimensions available upon request.
- For each standard length 2 connectors type NCR 617 p.30/31 have to be ordered separately.

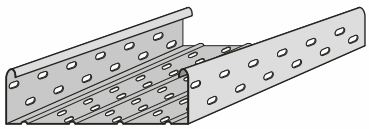
Width B (mm)	Part Nr.	thks (mm)	Weight KG/m
100	32A-6V.100S.PG	1,25	
150	32A-6V.150S.PG	1,25	
200	32A-6V.200S.PG	1,25	
300	32A-6V.300S.PG	1,25	
400	32A-6V.400S.PG	1,25	
500	32A-6V.500S.PG	1,25	
600	32A-6V.600S.PG	1,25	

Width B (mm)	Part Nr.	thks (mm)	Weight KG/m
100	32A-6V.100P.PG	1,5	
150	32A-6V.150P.PG	1,5	
200	32A-6V.200P.PG	1,5	
300	32A-6V.300P.PG	1,5	
400	32A-6V.400P.PG	1,5	
500	32A-6V.500P.PG	1,5	
600	32A-6V.600P.PG	1,5	

- **made of galvanized sheet steel acc.** to DIN EN 10142

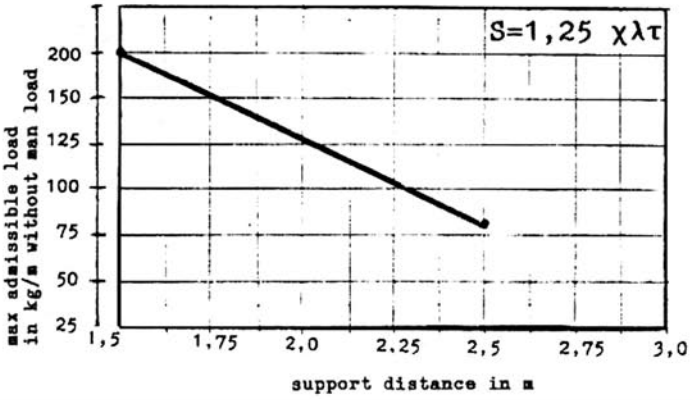
100	32A-6V.100P.DG	1,50	
150	32A-6V.150P.DG	1,50	
200	32A-6V.200P.DG	1,50	
300	32A-6V.300P.DG	1,50	
400	32V-6V.400P.DG	1,50	
500	32A-6V.500P.DG	1,50	
600	32A-6V.600P.DG	1,50	

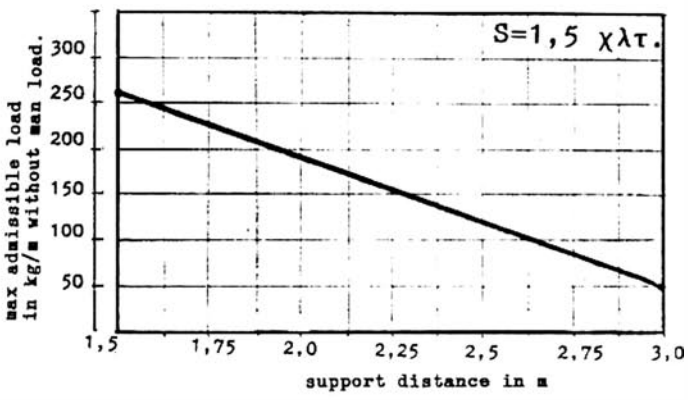
- **made of galvanized sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



ACCESSORIES PAGE

- Fittings :30/12-30/16
- Connectors :30/31-30/33
- Covers :30/34-30/35
- Partition walls :30/40
- Supports :Chapter 10





60
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

● Applications see p.30/02

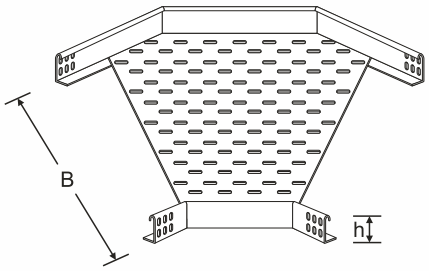
● Extended ends of accessory side walls are so dimensioned and perforated to allow direct connection with the inserted cable tray. No connectors are used.

FITTINGS

Bends 90° 32 BK

Width B(mm)	Part Nr.	Weight KG/p
100	32BK-6V.100.PG	
150	32BK-6V.150.PG	
200	32BK-6V.200.PG	
300	32BK-6V.300.PG	
400	32BK-6V.400.PG	
500	32BK-6V.500.PG	
600	32BK-6V.600.PG	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	32BK-6V.100.DG	
150	32BK-6V.150.DG	
200	32BK-6V.200.DG	
300	32BK-6V.300.DG	
400	32BK-6V.400.DG	
500	32BK-6V.500.DG	
600	32BK-6V.600.DG	

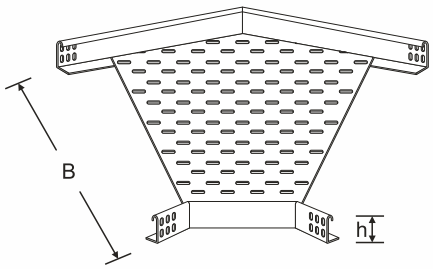
● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

● Extended ends of accessory side walls are so dimensioned and perforated to allow direct connection with the inserted cable tray. No connectors are used.

Bends 45° 32 BL

Width B(mm)	Part Nr.	Weight KG/p
100	32BL-6V.100.PG	
150	32BL-6V.150.PG	
200	32BL-6V.200.PG	
300	32BL-6V.300.PG	
400	32BL-6V.400.PG	
500	32BL-6V.500.PG	
600	32BL-6V.600.PG	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	32BL-6V.100.DG	
150	32BL-6V.150.DG	
200	32BL-6V.200.DG	
300	32BL-6V.300.DG	
400	32BL-6V.400.DG	
500	32BL-6V.500.DG	
600	32BL-6V.600.DG	

● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

60
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

● Applications see p.30/02

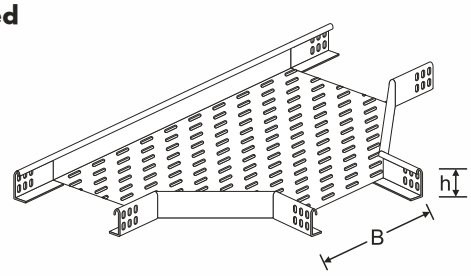
FITTINGS

Tees 32E

● Extended ends of accessory side walls are so dimensioned and perforated to allow direct connection with the inserted cable tray. No connectors are used.

Width B(mm)	Part Nr.	Weight KG/p
100	32E-6V.100.PG	
150	32E-6V.150.PG	
200	32E-6V.200.PG	
300	32E-6V.300.PG	
400	32E-6V.400.PG	
500	32E-6V.500.PG	
600	32E-6V.600.PG	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	32E-6V.100.DG	
150	32E-6V.150.DG	
200	32E-6V.200.DG	
300	32E-6V.300.DG	
400	32E-6V.400.DG	
500	32E-6V.500.DG	
600	32E-6V.600.DG	

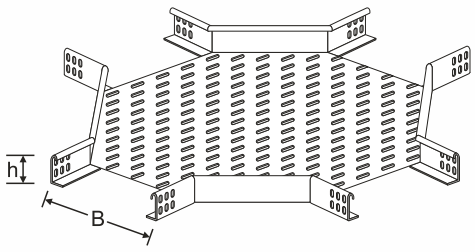
● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Crossing 32F

● Extended ends of accessory side walls are so dimensioned and perforated to allow direct connection with the inserted cable tray. No connectors are used.

Width B(mm)	Part Nr.	Weight KG/p
100	32F-6V.100.PG	
150	32F-6V.150.PG	
200	32F-6V.200.PG	
300	32F-6V.300.PG	
400	32F-6V.400.PG	
500	32F-6V.500.PG	
600	32F-6V.600.PG	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	32F-6V.100.DG	
150	32F-6V.150.DG	
200	32F-6V.200.DG	
300	32F-6V.300.DG	
400	32F-6V.400.DG	
500	32F-6V.500.DG	
600	32F-6V.600.DG	

● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

60
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

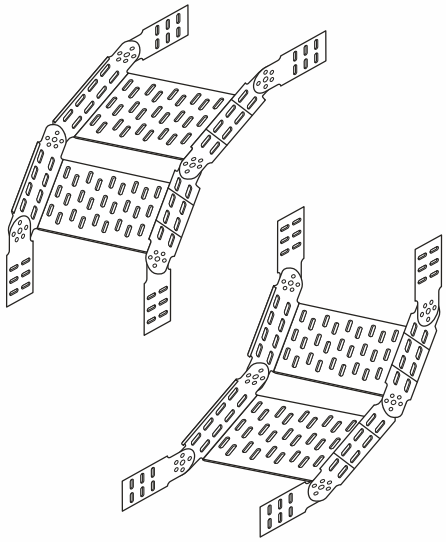
FITTINGS

Vertical Bends 32 GC

- Each Vertical Adjustable Bend 90° consists of:
  - ⇒ 2 vertical bend-elements GR
  - ⇒ 4 double vertical connectors 10VCR 617 PG or DG
  - ⇒ 20 bolts M6X16

Width B(mm)	Part Nr.	Weight KG/p
100	32GC-6V.100.PG	
150	32GC-6V.150.PG	
200	32GC-6V.200.PG	
300	32GC-6V.300.PG	
400	32GC-6V.400.PG	
500	32GC-6V.500.PG	
600	32GC-6V.600.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	32GC-6V.100.DG	
150	32GC-6V.150.DG	
200	32GC-6V.200.DG	
300	32GC-6V.300.DG	
400	32GC-6V.400.DG	
500	32GC-6V.500.DG	
600	32GC-6V.600.DG	

- **made of metal sheet hot dip galvanized acc.**to EN ISO 1461 after manufacture (DG)

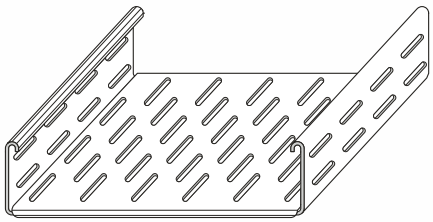
- By assembling a Vertical Adjustable Bend, 4 vertical connectors VCR p.30/33 must be ordered separately for connecting the cable trays' ends.

Vertical Bend's Elements 32 GR

- By connecting a certain number of Vertical Bend-Elements to each other we obtain a Vertical Adjustable Bend of any radius.

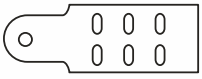
Width B(mm)	Part Nr.	Weight KG/p
100	32GR-6V.100.PG	
150	32GR-6V.150.PG	
200	32GR-6V.200.PG	
300	32GR-6V.300.PG	
400	32GR-6V.400.PG	
500	32GR-6V.500.PG	
600	32GR-6V.600.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	32GR-6V.100.DG	
150	32GR-6V.150.DG	
200	32GR-6V.200.DG	
300	32GR-6V.300.DG	
400	32GR-6V.400.DG	
500	32GR-6V.500.DG	
600	32GR-6V.600.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



60
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

● Applications see p.30/29

Vertical Tees 10VTA

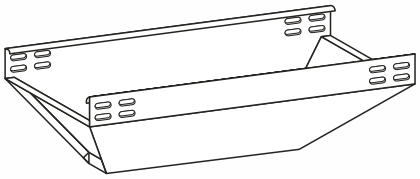
● Standard covers type DAC or DAQ can be used

● Price includes 6 flat connectors type NCF p.30/32.
Bolts have to be ordered separately.

● Material thks
B:100-300=1,0mm
B:400-600=1,5mm

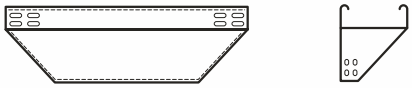
Width B(mm)	Part Nr.	Weight KG/p
100	10VTA-6.100.PG	
150	10VTA-6.150.PG	
200	10VTA-6.200.PG	
300	10VTA-6.300.PG	
400	10VTA-6.400.PG	
500	10VTA-6.500.PG	
600	10VTA-6.600.PG	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	10VTA -6.100.DG	
150	10VTA -6.150.DG	
200	10VTA -6.200.DG	
300	10VTA -6.300.DG	
400	10VTA -6.400.DG	
500	10VTA -6.500.DG	
600	10VTA -6.600.DG	

● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

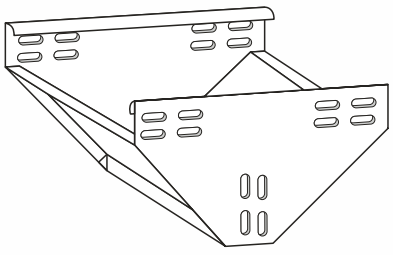


Vertical Tees 10VTB

● Price includes 6 flat connectors type NCF p.30/32. Bolts have to be ordered separately.

Width B(mm)	Part Nr.	Weight KG/p
100	10VTB-6.100.PG	
150	10VTB-6.150.PG	
200	10VTB-6.200.PG	
300	10VTB-6.300.PG	
400	10VTB-6.400.PG	
500	10VTB-6.500.PG	
600	10VTB-6.600.PG	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	10VTB -6.100.DG	
150	10VTB -6.150.DG	
200	10VTB -6.200.DG	
300	10VTB -6.300.DG	
400	10VTB -6.400.DG	
500	10VTB -6.500.DG	
600	10VTB -6.600.DG	

● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

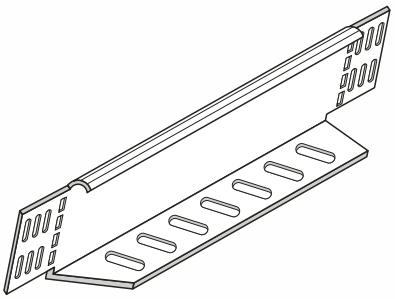
60
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

- Applications see below

Reducers Blind-End Pieces 10 RA



Width B(mm)	Part Nr.	Weight KG/p
100	**10RA-6.100.PG**	
150	**10RA-6.150.PG**	
200	**10RA-6.200.PG**	
300	**10RA-6.300.PG**	
400	**10RA-6.400.PG**	
500	**10RA-6.500.PG**	
600	**10RA-6.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

100	**10RA-6.100.DG**	
150	**10RA-6.150.DG**	
200	**10RA-6.200.DG**	
300	**10RA-6.300.DG**	
400	**10RA-6.400.DG**	
500	**10RA-6.500.DG**	
600	**10RA-6.600.DG**	

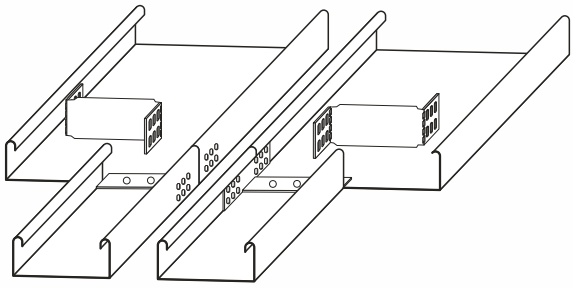
- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

- The standarized fitting RA can be used:
  ⇒ either as a Reducer, to reduce the cable tray's width
  ⇒ or as a Blind-End piece

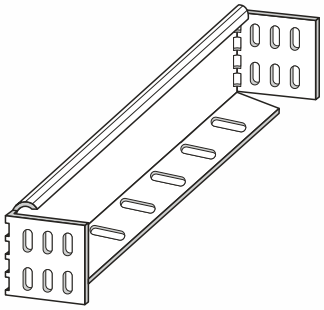
  depending on the direction we bend its ends.

Applications

Reducer



Blind End Piece



85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

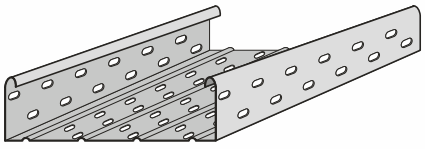
Width B(mm)	Part Nr.	thks (mm)	Weight KG/p
100	32A-8V.100N.PG	1,0	
150	32A-8V.150N.PG	1,0	
200	32A-8V.200N.PG	1,0	
300	32A-8V.300N.PG	1,0	
400	32A-8V.400N.PG	1,0	
500	32A-8V.500N.PG	1,0	
600	32A-8V.600N.PG	1,0	

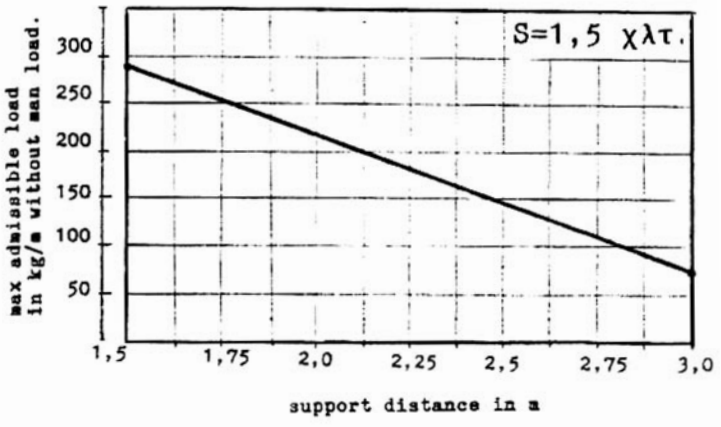
- **made of galvanized sheet steel acc.** to DIN EN 10142

Width B(mm)	Part Nr.	thks (mm)	Weight KG/p
100	32A-8V.100P.PG	1,50	
150	32A-8V.150P.PG	1,50	
200	32A-8V.200P.PG	1,50	
300	32A-8V.300P.PG	1,50	
400	32A-8V.400P.PG	1,50	
500	32A-8V.500P.PG	1,50	
600	32A-8V.600P.PG	1,50	

Width B(mm)	Part Nr.	thks (mm)	Weight KG/p
100	32A-8V.100P.DG	1,50	
150	32A-8V.150P.DG	1,50	
200	32A-8V.200P.DG	1,50	
300	32A-8V.300P.DG	1,50	
400	32A-8V.400P.DG	1,50	
500	32A-8V.500P.DG	1,50	
600	32A-8V.600P.DG	1,50	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)





Cable Trays HEAVY DUTY

- Standard length: 3,0 mts.
- Inturned upper edges of side walls for reinforcement and cable protection.
- Continous perforation in bottom and side walls for ventilation and for fastening cables.
- Also available unperforated. In this case the symbol ''V'' in Part Nr. should be replaced by ''O''.
- Further dimensions available upon request.
- For each standard length 2 connectors type NCR 817 p.30/31 have to be ordered separately.

ACCESSORIES PAGE

- Fittings :30/18-30/22
- Connectors :30/31-30/33
- Covers :30/34-30/35
- Partition walls :30/40
- Supports :Chapter 10

85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

● Applications see p.30/02

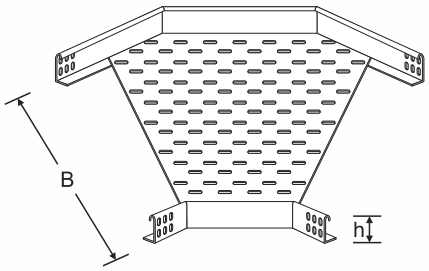
FITTINGS

● Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

Bends 90º 32 BK

Width B(mm)	Part Nr.	Weight KG/p
100	**32BK-8V.100.PG**	
150	**32BK-8V.150.PG**	
200	**32BK-8V.200.PG**	
300	**32BK-8V.300.PG**	
400	**32BK-8V.400.PG**	
500	**32BK-8V.500.PG**	
600	**32BK-8V.600.PG**	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	**32BK-8V.100.DG**	
150	**32BK-8V.150.DG**	
200	**32BK-8V.200.DG**	
300	**32BK-8V.300.DG**	
400	**32BK-8V.400.DG**	
500	**32BK-8V.500.DG**	
600	**32BK-8V.600.DG**	

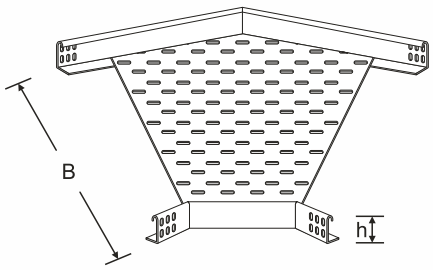
● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

● Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

Bends 45º 32 BL

Width B(mm)	Part Nr.	Weight KG/p
100	**32BL-8V.100.PG**	
150	**32BL-8V.150.PG**	
200	**32BL-8V.200.PG**	
300	**32BL-8V.300.PG**	
400	**32BL-8V.400.PG**	
500	**32BL-8V.500.PG**	
600	**32BL-8V.600.PG**	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	**32BL-8V.100.DG**	
150	**32BL-8V.150.DG**	
200	**32BL-8V.200.DG**	
300	**32BL-8V.300.DG**	
400	**32BL-8V.400.DG**	
500	**32BL-8V.500.DG**	
600	**32BL-8V.600.DG**	

● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

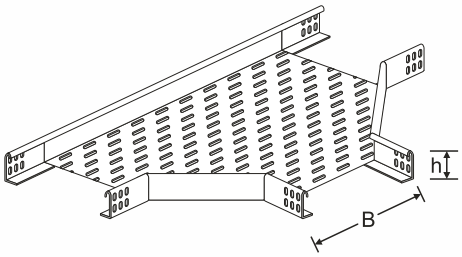
FITTINGS

- Applications see p.30/02
- Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

Tees 32E

Width B(mm)	Part Nr.	Weight KG/p
100	32E-8V.100.PG	
150	32E-8V.150.PG	
200	32E-8V.200.PG	
300	32E-8V.300.PG	
400	32E-8V.400.PG	
500	32E-8V.500.PG	
600	32E-8V.600.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	32E-8V.100.DG	
150	32E-8V.150.DG	
200	32E-8V.200.DG	
300	32E-8V.300.DG	
400	32E-8V.400.DG	
500	32E-8V.500.DG	
600	32E-8V.600.DG	

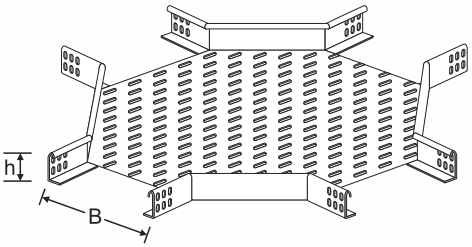
- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

- Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

Crossing 32F

Width B(mm)	Part Nr.	Weight KG/p
100	32F-8V.100.PG	
150	32F-8V.150.PG	
200	32F-8V.200.PG	
300	32F-8V.300.PG	
400	32F-8V.400.PG	
500	32F-8V.500.PG	
600	32F-8V.600.PG	

- **made of galvanized sheet steel acc. to** DIN EN 10142



100	32F-8V.100.DG	
150	32F-8V.150.DG	
200	32F-8V.200.DG	
300	32F-8V.300.DG	
400	32F-8V.400.DG	
500	32F-8V.500.DG	
600	32F-8V.600.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

FITTINGS

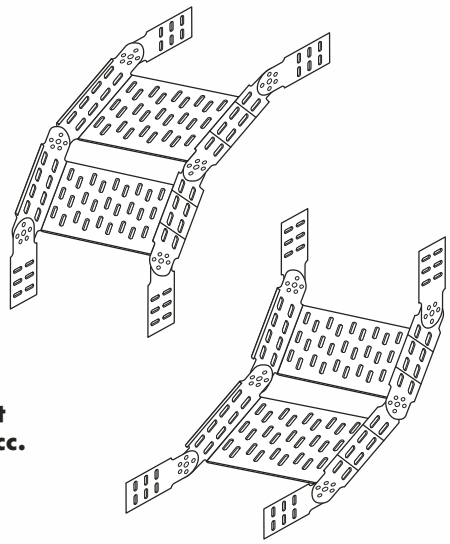
Vertical Bends 32 GC

- Each Vertical Adjustable Bend 90⁰ consists of:

  ⇒ 2 vertical bend-elements GR
  ⇒ 4 double vertical connectors 10VCR 317 PG or DG
  ⇒ 20 bolts M6X16

Width B(mm)	Part Nr.	Weight KG/p
100	32GC-8V.100.PG	
150	32GC-8V.150.PG	
200	32GC-8V.200.PG	
300	32GC-8V.300.PG	
400	32GC-8V.400.PG	
500	32GC-8V.500.PG	
600	32GC-8V.600.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	32GC-8V.100.DG	
150	32GC-8V.150.DG	
200	32GC-8V.200.DG	
300	32GC-8V.300.DG	
400	32GC-8V.400.DG	
500	32GC-8V.500.DG	
600	32GC-8V.600.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

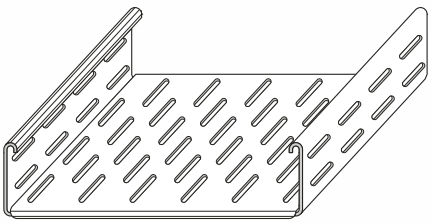
- By assembling a Vertical Adjustable Bend, 4 vertical connectors VCR p.30/33 must be ordered separately for connecting the cable trays' ends.

Vertical Bend's Elements 32 GR

- By connecting a certain number of Vertical Bend-Elements to each other we obtain a Vertical Adjustable Bend of any radius.

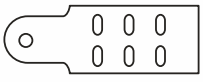
Width B(mm)	Part Nr.	Weight KG/p
100	32GR-8V.100.PG	
150	32GR-8V.150.PG	
200	32GR-8V.200.PG	
300	32GR-8V.300.PG	
400	32GR-8V.400.PG	
500	32GR-8V.500.PG	
600	32GR-8V.600.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	32GR-8V.100.DG	
150	32GR-8V.150.DG	
200	32GR-8V.200.DG	
300	32GR-8V.300.DG	
400	32GR-8V.400.DG	
500	32GR-8V.500.DG	
600	32GR-8V.600.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

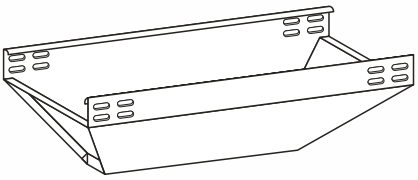
DG: to be used outdoors or indoors in humid atmosphere

Vertical Tees 10VTA

- Applications see p.30/29
- Price includes 6 flat connectors type NCF p.30/32. Bolts have to be ordered separately.
- Standard covers type DAC or DAQ can be used
- Material thks
  B:100-300=1,0mm
  B:400-600=1,5mm

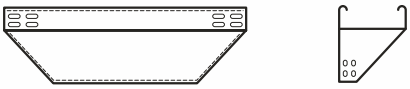
Width B(mm)	Part Nr.	Weight KG/p
100	**10VTA-8.100.PG**	
150	**10VTA-8.150.PG**	
200	**10VTA-8.200.PG**	
300	**10VTA-8.300.PG**	
400	**10VTA-8.400.PG**	
500	**10VTA-8.500.PG**	
600	**10VTA-8.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	**10VTA -8.100.DG**	
150	**10VTA -8.150.DG**	
200	**10VTA -8.200.DG**	
300	**10VTA -8.300.DG**	
400	**10VTA -8.400.DG**	
500	**10VTA -8.500.DG**	
600	**10VTA -8.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

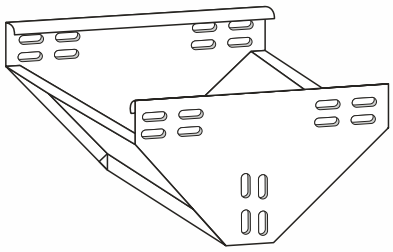


Vertical Tees 10VTB

- Price includes 6 flat connectors type NCF p.30/32. Bolts have to be ordered separately.

Width B(mm)	Part Nr.	Weight KG/p
100	**10VTB-8.100.PG**	
150	**10VTB-8.150.PG**	
200	**10VTB-8.200.PG**	
300	**10VTB-8.300.PG**	
400	**10VTB-8.400.PG**	
500	**10VTB-8.500.PG**	
600	**10VTB-8.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	**10VTB -8.100.DG**	
150	**10VTB -8.150.DG**	
200	**10VTB -8.200.DG**	
300	**10VTB -8.300.DG**	
400	**10VTB -8.400.DG**	
500	**10VTB -8.500.DG**	
600	**10VTB -6.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

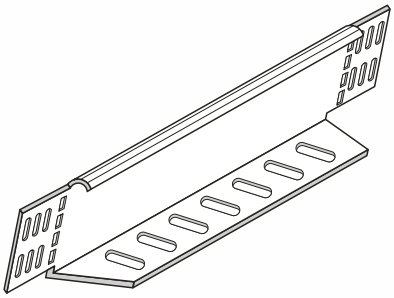
85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

- Applications see below

Reducers Blind-End Pieces 10 RA



Width B(mm)	Part Nr.	Weight KG/p
100	**10RA-8.100.PG**	
150	**10RA-8.150.PG**	
200	**10RA-8.200.PG**	
300	**10RA-8.300.PG**	
400	**10RA-8.400.PG**	
500	**10RA-8.500.PG**	
600	**10RA-8.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

100	**10RA-8.100.DG**	
150	**10RA-8.150.DG**	
200	**10RA-8.200.DG**	
300	**10RA-8.300.DG**	
400	**10RA-8.400.DG**	
500	**10RA-8.500.DG**	
600	**10RA-8.600.DG**	

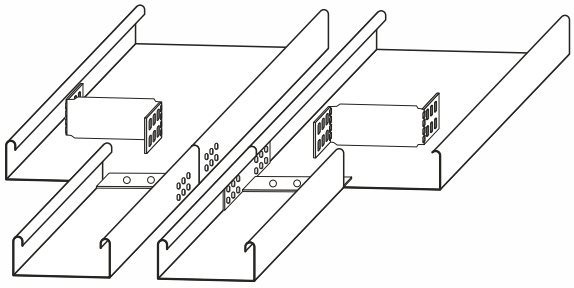
- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

- The standarized fitting RA can be used:
  ⇒ either as a Reducer, to Reducer the cable tray's width
  ⇒ or as a Blind-End piece

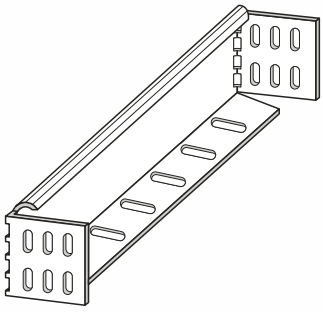
  depending on the direction we bend its ends.

Applications

Reducer



Blind End Piece



110 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

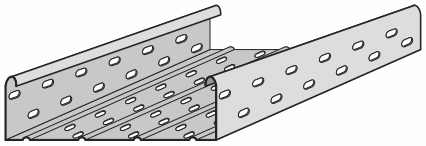
Width B(mm)	Part Nr.	thks (mm)	Weight KG/p
100	32A-0V.100N.PG	1,0	
200	32A-0V.200N.PG	1,0	
300	32A-0V.300N.PG	1,0	
400	32A-0V.400N.PG	1,0	
500	32A-0V.500N.PG	1,0	
600	32A-0V.600N.PG	1,0	

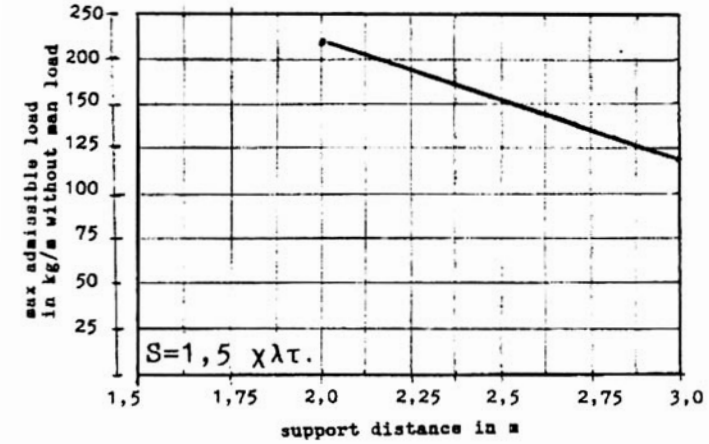
- **made of galvanized sheet steel acc.** to DIN EN 10142

Width B(mm)	Part Nr.	thks (mm)	Weight KG/p
100	32A-0V.100P.PG	1,50	
200	32A-0V.200P.PG	1,50	
300	32A-0V.300P.PG	1,50	
400	32A-0V.400P.PG	1,50	
500	32A-0V.500P.PG	1,50	
600	32A-0V.600P.PG	1,50	

Width B(mm)	Part Nr.	thks (mm)	Weight KG/p
100	32A-0V.100P.DG	1,50	
200	32A-0V.200N.DG	1,50	
300	32A-0V.300N.DG	1,50	
400	32A-0V.400N.DG	1,50	
500	32A-0V.500N.DG	1,50	
600	32A-0V.600N.DG	1,50	

- **made of galvanized sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)





Cable Trays HEAVY DUTY

- Standard length: 3,0 mts.
- Inturned upper edges of side walls for reinforcement and cable protection.
- Continous perforation in bottom and side walls for ventilation and for fastening cables.
- Also available unperforated. In this case the symbol ''V'' in Part Nr. should be replaced by ''O''.
- Further dimensions available upon request.
- For each standard length 2 connectors type NCR 017 p.30/31 have to be ordered separately.

ACCESSORIES PAGE

- Fittings :30/24-30/28
- Connectors :30/31-30/33
- Covers :30/34-30/35
- Partition walls :30/40
- Supports :Chapter 10

110
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

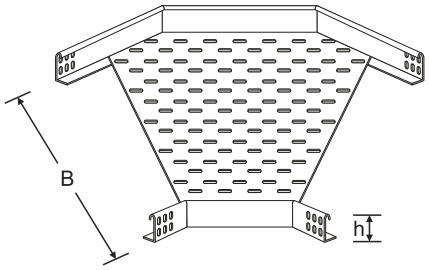
- Applications see p.30/02
- Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

FITTINGS

Bends 90° 32 BK

Width B(mm)	Part Nr.	Weight KG/p
100	**32BK-0V.100.PG**	
200	**32BK-0V.200.PG**	
300	**32BK-0V.300.PG**	
400	**32BK-0V.400.PG**	
500	**32BK-0V.500.PG**	
600	**32BK-0V.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	**32BK-0V.100.DG**	
200	**32BK-0V.200.DG**	
300	**32BK-0V.300.DG**	
400	**32BK-0V.400.DG**	
500	**32BK-0V.500.DG**	
600	**32BK-0V.600.DG**	

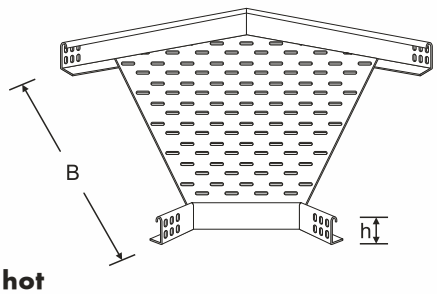
- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

- Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

Bends 45° 32 BL

Width B(mm)	Part Nr.	Weight KG/p
100	**32BL-0V.100.PG**	
200	**32BL-0V.200.PG**	
300	**32BL-0V.300.PG**	
400	**32BL-0V.400.PG**	
500	**32BL-0V.500.PG**	
600	**32BL-0V.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	**32BL-0V.100.DG**	
200	**32BL-0V.200.DG**	
300	**32BL-0V.300.DG**	
400	**32BL-0V.400.DG**	
500	**32BL-0V.500.DG**	
600	**32BL-0V.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

110 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

● Applications see p.30/02

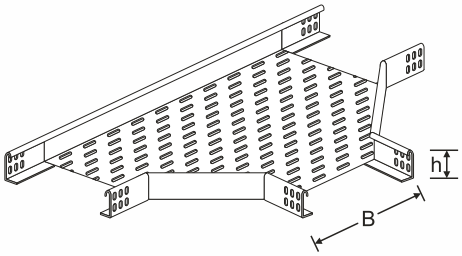
● Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

FITTINGS

Tees 32E

Width B(mm)	Part Nr.	Weight KG/p
100	**32E-0V.100.PG**	
200	**32E-0V.200.PG**	
300	**32E-0V.300.PG**	
400	**32E-0V.400.PG**	
500	**32E-0V.500.PG**	
600	**32E-0V.600.PG**	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	**32E-0V.100.DG**	
200	**32E-0V.200.DG**	
300	**32E-0V.300.DG**	
400	**32E-0V.400.DG**	
500	**32E-0V.500.DG**	
600	**32E-0V.600.DG**	

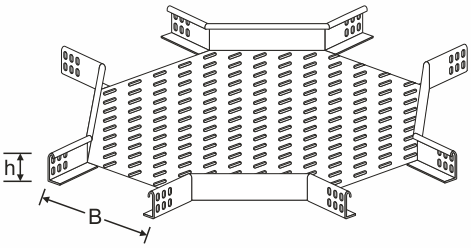
● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

● Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

Crossing 32F

Width B(mm)	Part Nr.	Weight KG/p
100	**32F-0V.100.PG**	
200	**32F-0V.200.PG**	
300	**32F-0V.300.PG**	
400	**32F-0V.400.PG**	
500	**32F-0V.500.PG**	
600	**32F-0V.600.PG**	

● **made of galvanized sheet steel acc.** to DIN EN 10142



100	**32F-0V.100.DG**	
200	**32F-0V.200.DG**	
300	**32F-0V.300.DG**	
400	**32F-0V.400.DG**	
500	**32F-0V.500.DG**	
600	**32F-0V.600.DG**	

● **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

110
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

- Each Vertical Adjustable Bend 90° consists of:
  - ⇒ 2 vertical bend-elements GR
  - ⇒ 4 double vertical connectors 10VCR 317 PG or DG
  - ⇒ 20 bolts M6X16

FITTINGS

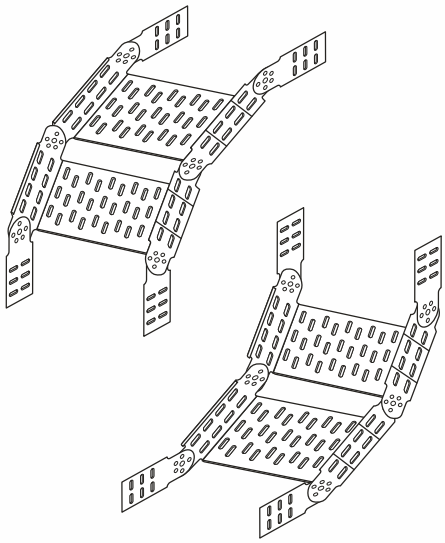
Vertical Bends 32 GC

Width B(mm)	Part Nr.	Weight KG/p
100	**32GC-0V.100.PG**	
200	**32GC-0V.200.PG**	
300	**32GC-0V.300.PG**	
400	**32GC-0V.400.PG**	
500	**32GC-0V.500.PG**	
600	**32GC-0V.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

100	**32GC-0V.100.DG**	
200	**32GC-0V.200.DG**	
300	**32GC-0V.300.DG**	
400	**32GC-0V.400.DG**	
500	**32GC-0V.500.DG**	
600	**32GC-0V.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



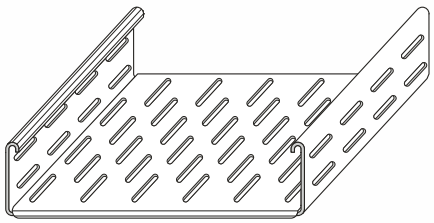
- By assembling a Vertical Adjustable Bend, 4 vertical connectors VCR p.30/33 must be ordered separately for connecting the cable trays' ends.

Vertical Bends Elements 32 GR

- By connecting a certain number of Vertical Bend-Elements to each other we obtain a Vertical Adjustable Bend of any radius

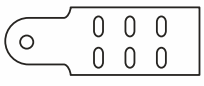
Width B(mm)	Part Nr.	Weight KG/p
100	**32GR-0V.100.PG**	
200	**32GR-0V.200.PG**	
300	**32GR-0V.300.PG**	
400	**32GR-0V.400.PG**	
500	**32GR-0V.500.PG**	
600	**32GR-0V.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142



100	**32GR-0V.100.DG**	
200	**32GR-0V.200.DG**	
300	**32GR-0V.300.DG**	
400	**32GR-0V.400.DG**	
500	**32GR-0V.500.DG**	
600	**32GR-0V.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 (DG)



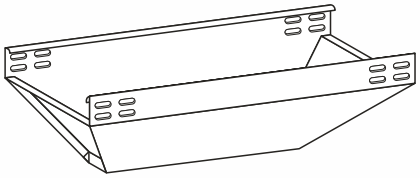
110
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Vertical Tees 10VTA

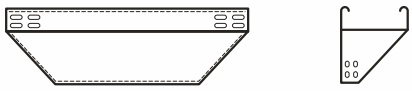
- Applications see p.30/29
- Price includes 6 flat connectors type NCF p.30/32. Bolts have to be ordered separately.
- Standard covers type DAC or DAQ can be used.
- Material thks
  B:100-300=1,0mm
  B:400-600=1,5mm
- **made of galvanized sheet steel acc.** to DIN EN 10142



Width B(mm)	Part Nr.	Weight KG/p
100	**10VTA-0.100.PG**	
200	**10VTA-0.200.PG**	
300	**10VTA-0.300.PG**	
400	**10VTA-0.400.PG**	
500	**10VTA-0.500.PG**	
600	**10VTA-0.600.PG**	

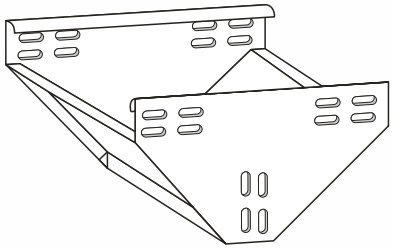
100	**10VTA-0.100.DG**	
200	**10VTA-0.200.DG**	
300	**10VTA-0.300.DG**	
400	**10VTA-0.400.DG**	
500	**10VTA-0.500.DG**	
600	**10VTA-0.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



Vertical Tees 10VTB

- Price includes 6 flat connectors type NCF p.30/32. Bolts have to be ordered separately.
- **made of galvanized sheet steel acc.** to DIN EN 10142



Width B(mm)	Part Nr.	Weight KG/p
100	**10VTB-0.100.PG**	
200	**10VTB-0.200.PG**	
300	**10VTB-0.300.PG**	
400	**10VTB-0.400.PG**	
500	**10VTB-0.500.PG**	
600	**10VTB-0.600.PG**	

100	**10VTB-0.100.DG**	
200	**10VTB-0.200.DG**	
300	**10VTB-0.300.DG**	
400	**10VTB-0.400.DG**	
500	**10VTB-0.500.DG**	
600	**10VTB-0.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

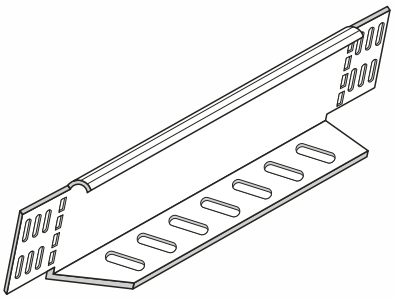
110
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

- Applications see below

Reducers Blind-End Pieces 10 RA



Width B(mm)	Part Nr.	Weight KG/p
100	**10RA-0.100.PG**	
200	**10RA-0.200.PG**	
300	**10RA-0.300.PG**	
400	**10RA-0.400.PG**	
500	**10RA-0.500.PG**	
600	**10RA-0.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

100	**10RA-0.100.DG**	
200	**10RA-0.200.DG**	
300	**10RA-0.300.DG**	
400	**10RA-0.400.DG**	
500	**10RA-0.500.DG**	
600	**10RA-0.600.DG**	

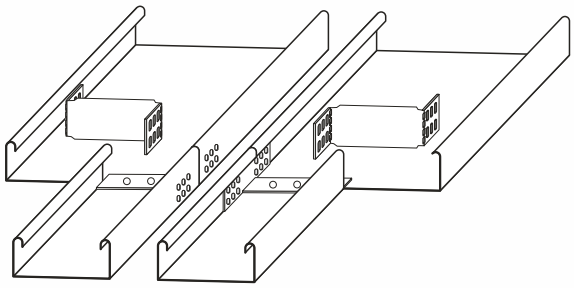
- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

- The standarized fitting RA can be used:
  - ⇒ either as a Reducer, to reduce the cable tray's width
  - ⇒ or as a Blind-End piece

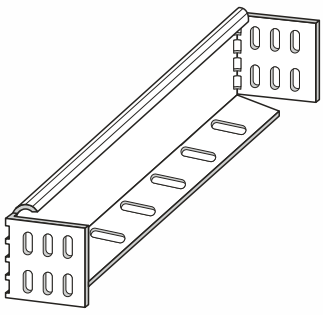
  depending on the direction we bend its ends.

Applications

Reducer



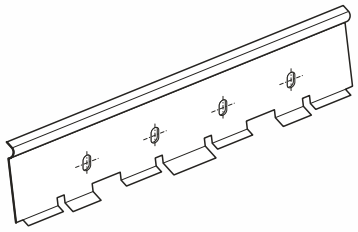
Blind End Piece

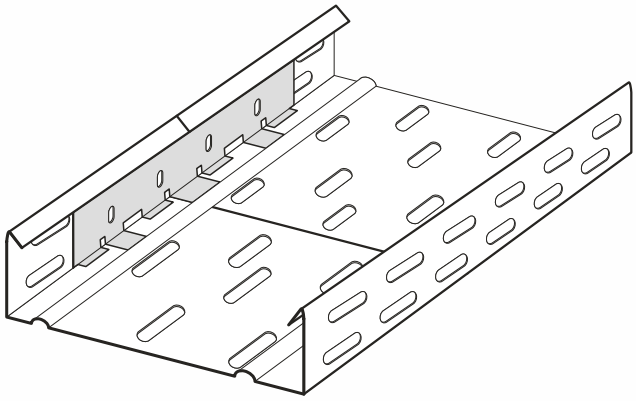


PG: to be used indoors in almost dry atmosphere

Quick - Connector QC

- The so-called Quick-Connector is provided for the connection of cable trays with side height 60mm.
- Using the QC connector a speedy and safe connection can being achived.
- The use of bolts is optional.
- For inserting the connector into place a light pressure is sufficient. Its spring action secures a very safe connection between the 2 lengths of cable trays, which is expressed by the loading figures given in the graphs.
- For additional safety QC is provided to accept 2 bolts at each side (i.e. 4 bolts for each connector).
- The bolts (part Nr. 10G12.616) p. 10/19 have to be ordered separately.
- It is estimated that, by using the QC-connectors, the assembly time is reduced by appr. 25%





Side Height	Part Nr.	Weight KG/p
60	**10QC.625.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

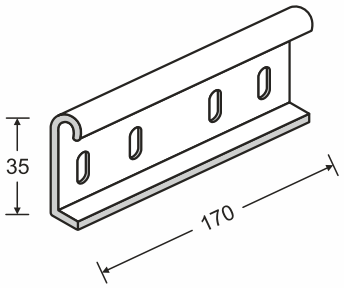
Connectors NCR

- For straight connection of 2 adjacent cable trays or cable ladders.

35 SIDE HEIGHT

- With each connector 2 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

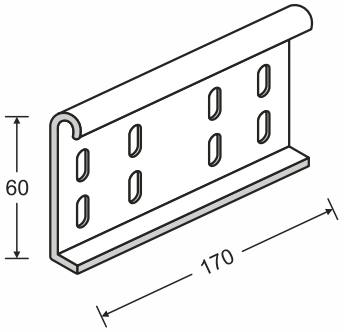
Side Height	Part Nr.	Weight KG/p
35	10NCR.317.PG	
35	10NCR.317.DG	



60 SIDE HEIGHT

- With each connector 4 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

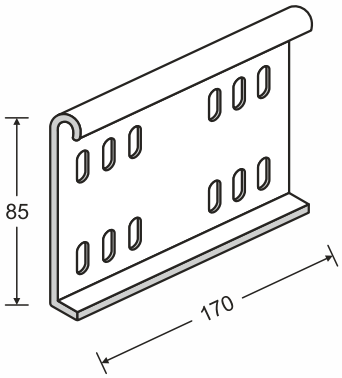
Side Height	Part Nr.	Weight KG/p
60	10NCR.617.PG	
60	10NCR.617.DG	



85 SIDE HEIGHT

- With each connector 6 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

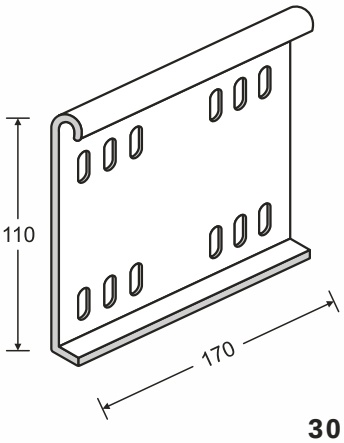
Side Height	Part Nr.	Weight KG/p
85	10NCR.817.PG	
85	10NCR.817.DG	



110 SIDE HEIGHT

- With each connector 8 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

Side Height	Part Nr.	Weight KG/p
110	10NCR.017.PG	
110	10NCR.017.DG	



PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

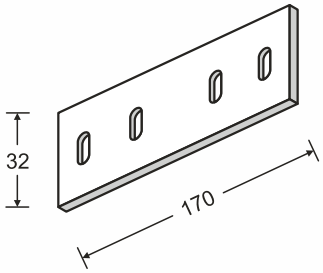
Connectors NCF

- For straight connection of 2 adjacent cable trays or cable ladders.

35 SIDE HEIGHT

- With each connector 2 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

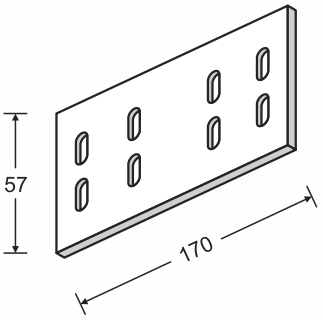
Side Height	Part Nr.	Weight KG/p
35	10NCF.317.PG	
35	10NCF.317.DG	



60 SIDE HEIGHT

- With each connector 4 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

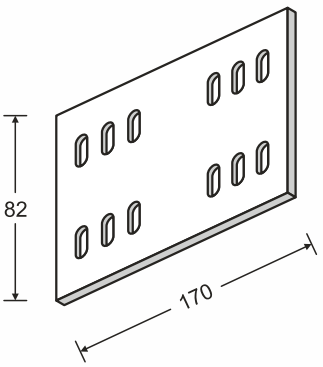
Side Height	Part Nr.	Weight KG/p
60	10NCF.617.PG	
60	10NCF.617.DG	



85 SIDE HEIGHT

- With each connector 6 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

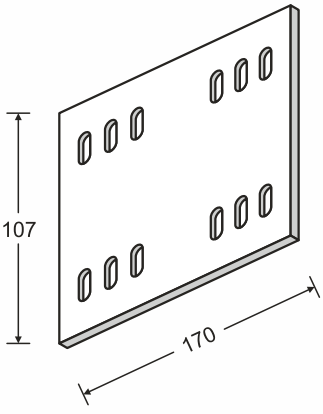
Side Height	Part Nr.	Weight KG/p
85	10NCF.817.PG	
85	10NCF.817.DG	



110 SIDE HEIGHT

- With each connector 8 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

Side Height	Part Nr.	Weight KG/p
110	10NCF.017.PG	
110	10NCF.017.DG	



PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

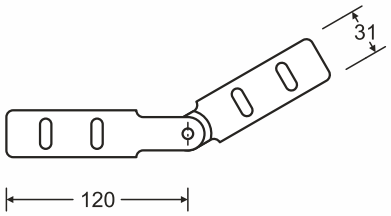
Connectors VCR

- For straight connection of 2 adjacent cable trays or cable ladders.

35 SIDE HEIGHT

- With each connector 2 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

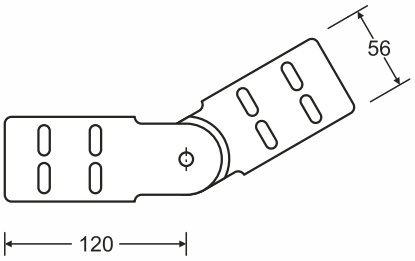
Side Height	Part Nr.	Weight KG/p
35	10VCR.317.PG	
35	10VCR.317.DG	



60 SIDE HEIGHT

- With each connector 4 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

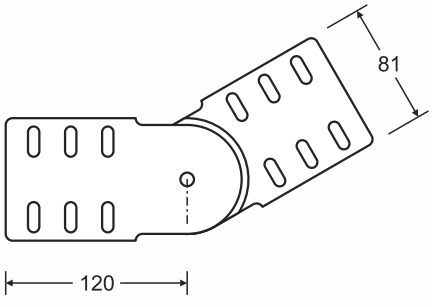
Side Height	Part Nr.	Weight KG/p
60	10VCR.617.PG	
60	10VCR.617.DG	



85 SIDE HEIGHT

- With each connector 6 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

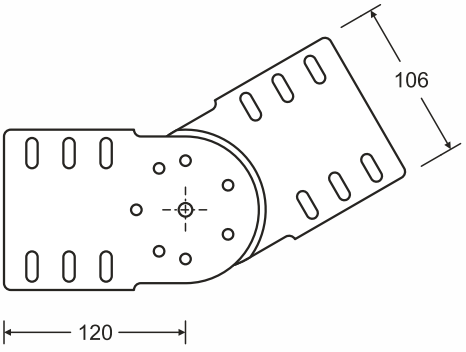
Side Height	Part Nr.	Weight KG/p
85	10VCR.817.PG	
85	10VCR.817.DG	



110 SIDE HEIGHT

- With each connector 8 bolts M6X13, Part Nr. 10G12.616, have to be ordered separately.

Side Height	Part Nr.	Weight KG/p
110	10VCR.017.PG	
110	10VCR.017.DG	



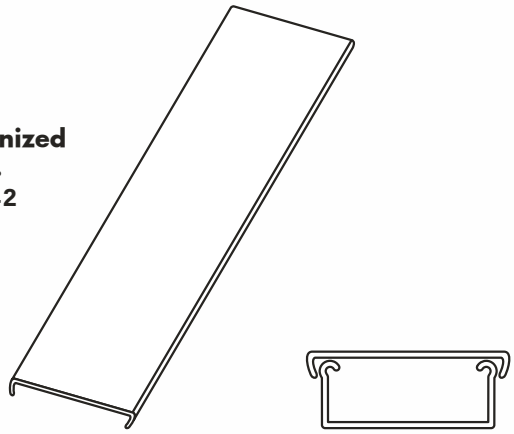
PG: to be used indoors in almost dry atmosphere

Cliping covers for cable trays 10DAC

- Standard length 3,0 mts.
- Cliping to cable trays by single pushing.

Width B(mm)	Part Nr.	thks (mm)	Weight KG/p
050	10DAC.050M.PG	0,8	
100	10DAC.100M.PG	0,8	
150	10DAC.150M.PG	0,8	
200	10DAC.200M.PG	0,8	
300	10DAC.300M.PG	0,8	
400	10DAC.400N.PG	1.0	
500	10DAC.500N.PG	1.0	
600	10DAC.600N.PG	1.0	

- made of galvanized sheet steel acc. to DIN EN 10142

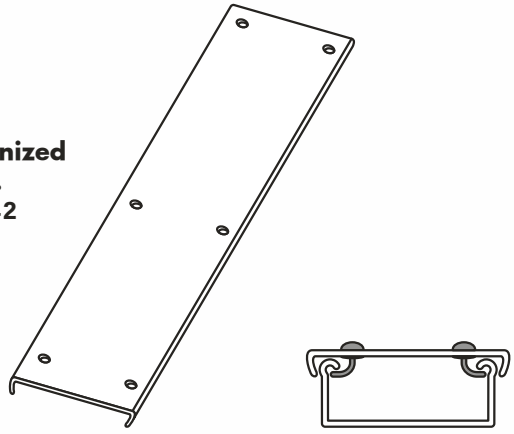


Cliping covers for cable trays with locking devices 10DAQ

- Standard length 3,0 mts.
- For each length of covers the following locks have to be ordered:
  - ⇒ 3 pcs 10LC2 for trays B=50 mm
  - ⇒ 6 pcs 10LC1 For trays B=100-600 mm.

Width B(mm)	Part Nr.	thks (mm)	Weight KG/p
050	10DAQ.050M.PG	0,8	
100	10DAQ.100M.PG	0,8	
150	10DAQ.150M.PG	0,8	
200	10DAQ.200M.PG	0,8	
300	10DAQ.300M.PG	0,8	
400	10DAQ.400N.PG	1.0	
500	10DAQ.500N.PG	1.0	
600	10DAQ.600N.PG	1.0	

- made of galvanized sheet steel acc. to DIN EN 10142

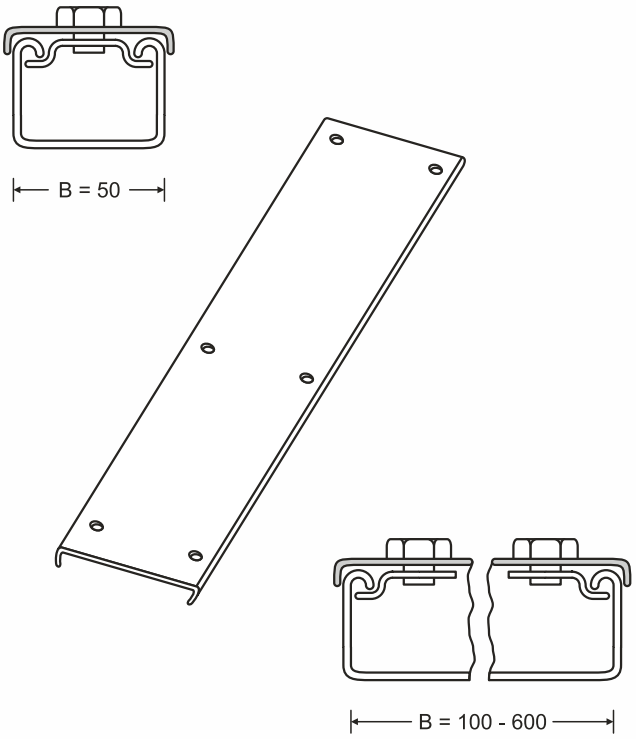


DG: to be used outdoors or indoors in humid atmosphere

Cliping covers fo5r cable trays with locking devices 10DAQ

- Standard length 3,0 mts.
- For each length of covers the following locks have to be ordered:

  ⇒ 3 pcs 10LC2 for trays B=50 mm
  ⇒ 6 pcs 10LC1 For trays B=100-600 mm

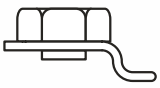


Width B(mm)	Part Nr.	thks (mm)	Weight KG/p
050	10DAQ.050P.DG		
100	10DAQ.100P.DG		
150	10DAQ.150P.DG		
200	10DAQ.200P.DG		
300	10DAQ.300P.DG		
400	10DAQ.400P.DG		
500	10DAQ.500P.DG		
600	10DAQ.600P.DG		

- Locking devices LC1 and LC2 can be used to both cable trays (PG) or (DG).

Locking device 10 LC1 B=100 - 600

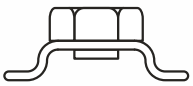
Part Nr.	Weight KG/p
10 LC1	



Lock LC1

Locking device 10 LC2 B=50

Part Nr.	Weight KG/p
10 LC2	



Lock LC2

PG: to be used indoors in almost dry atmosphere

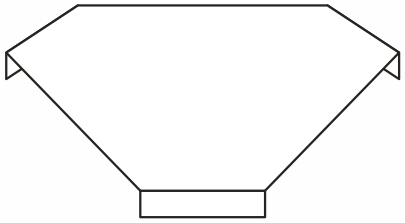
DG: to be used outdoors or indoors in humid atmosphere

Cliping covers for Bends 90° DBKC

- Cliping to bends by single pushing

Width B(mm)	Part Nr.	Weight KG/p
100	10DBKC.100.PG	
150	10DBKC.150.PG	
200	10DBKC.200.PG	
300	10DBKC.300.PG	
400	10DBKC.400.PG	
500	10DBKC.500.PG	
600	10DBKC.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

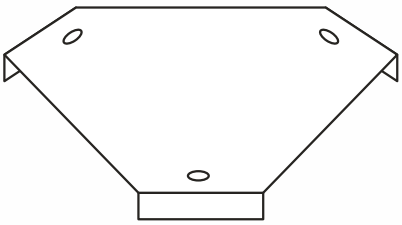


Cliping covers for Bends 90° with locking devices DBKQ

- Fitted to bends by using 3 locking devices
LC1 p.30/35

Width B(mm)	Part Nr.	Weight KG/p
100	10DBKQ.100.PG	
150	10DBKQ.150.PG	
200	10DBKQ.200.PG	
300	10DBKQ.300.PG	
400	10DBKQ.400.PG	
500	10DBKQ.500.PG	
600	10DBKQ.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



100	10DBKQ.100.DG	
150	10DBKQ.150.DG	
200	10DBKQ.200.DG	
300	10DBKQ.300.DG	
400	10DBKQ.400.DG	
500	10DBKQ.500.DG	
600	10DBKQ.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

PG: to be used indoors in almost dry atmosphere

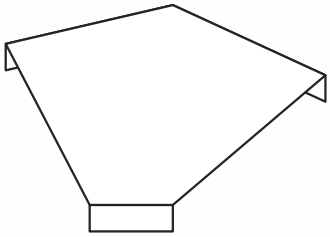
DG: to be used outdoors or indoors in humid atmosphere

Cliping covers for Bends 45° DBLC

- Cliping to bends by single pushing

Width B(mm)	Part Nr.	Weight KG/p
100	10DBLC.100.PG	
150	10DBLC.150.PG	
200	10DBLC.200.PG	
300	10DBLC.300.PG	
400	10DBLC.400.PG	
500	10DBLC.500.PG	
600	10DBLC.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

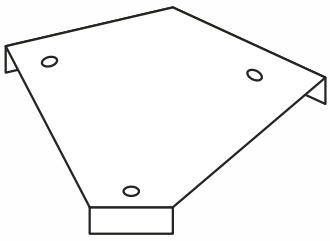


Cliping covers for Bends 45° with locking devices DBLQ

- Fitted to bends by using 3 locking devices LC1 p.30/35

Width B(mm)	Part Nr.	Weight KG/p
100	10DBLQ.100.PG	
150	10DBLQ.150.PG	
200	10DBLQ.200.PG	
300	10DBLQ.300.PG	
400	10DBLQ.400.PG	
500	10DBLQ.500.PG	
600	10DBLQ.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



100	10DBLQ.100.DG	
150	10DBLQ.150.DG	
200	10DBLQ.200.DG	
300	10DBLQ.300.DG	
400	10DBLQ.400.DG	
500	10DBLQ.500.DG	
600	10DBLQ.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

PG: to be used indoors in almost dry atmosphere

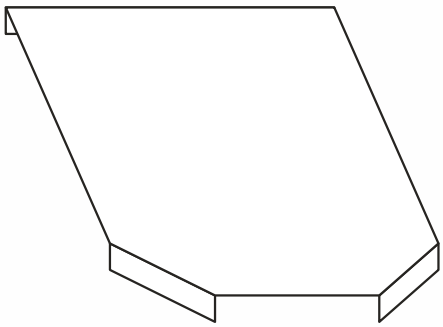
DG: to be used outdoors or indoors in humid atmosphere

Cliping covers for Tee-pieces DEC

- Cliping to bends by single pushing

Width B(mm)	Part Nr.	Weight KG/p
100	10DEC.100.PG	
150	10DEC.150.PG	
200	10DEC.200.PG	
300	10DEC.300.PG	
400	10DEC.400.PG	
500	10DEC.500.PG	
600	10DEC.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

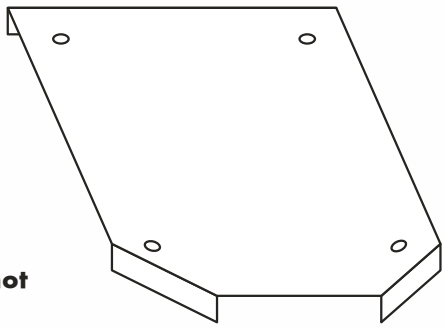


Covers for Tee-pieces with locking devices DEQ

- Fitted to bends by using 3 locking devices LC1 p.30/35

Width B(mm)	Part Nr.	Weight KG/p
100	10DEQ.100.PG	
150	10DEQ.150.PG	
200	10DEQ.200.PG	
300	10DEQ.300.PG	
400	10DEQ.400.PG	
500	10DEQ.500.PG	
600	10DEQ.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



100	10DEQ.100.DG	
150	10DEQ.150.DG	
200	10DEQ.200.DG	
300	10DEQ.300.DG	
400	10DEQ.400.DG	
500	10DEQ.500.DG	
600	10DEQ.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

PG: to be used indoors in almost dry atmosphere

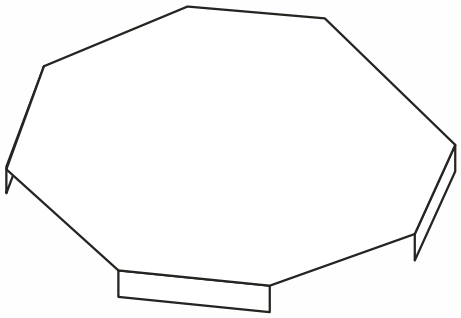
DG: to be used outdoors or indoors in humid atmosphere

Cliping covers for crossing DFC

- Cliping to bends by single pushing

Width B(mm)	Part Nr.	Weight KG/p
100 150	10DFC.100.PG 10DFC.150.PG	
200 300 400	10DFC.200.PG 10DFC.300.PG 10DFC.400.PG	
500 600	10DFC.500.PG 10DFC.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

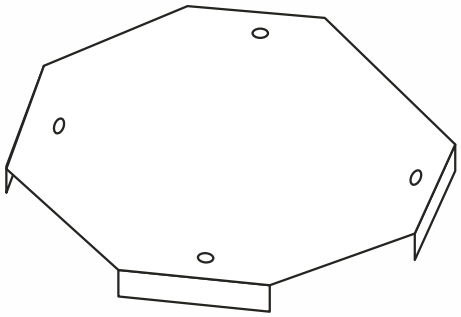


Covers for crossings with locking devices DFQ

- Fitted to bends by using 4 locking devices LC1 p.30/35

Width B(mm)	Part Nr.	Weight KG/p
100 150	10DFQ.100.PG 10DFQ.150.PG	
200 300 400	10DFQ.200.PG 10DFQ.300.PG 10DFQ.400.PG	
500 600	10DFQ.500.PG 10DFQ.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



100 150	10DFQ.100.DG 10DFQ.150.DG	
200 300 400	10DFQ.200.DG 10DFQ.300.DG 10DFQ.400.DG	
500 600	10DFQ.500.DG 10DFQ.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Separators BS

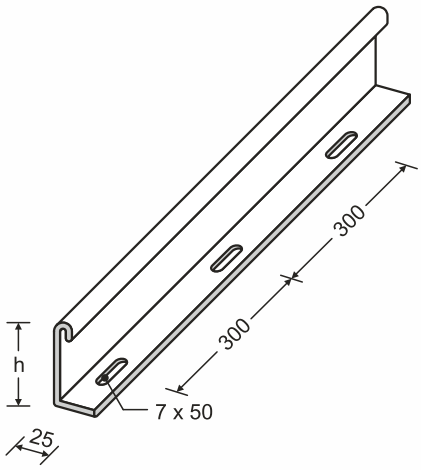
- Used for creating 2 or more compartments whithin a cable tray.

Width B(mm)	Part Nr.	Weight KG/p
035	10.BS.3.PG	
060	10.BS.6.PG	
085	10.BS.8.PG	
110	10.BS.0.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

035	10.BS.3.DG	
060	10.BS.6.DG	
085	10.BS.8.DG	
110	10.BS.0.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



- Standard length 3,0 mts.
- For each length of seperator 6 bolts M6X16. Part Nr. 10G.12.616 have to be ordered separately.

Joint-protection plate JCP

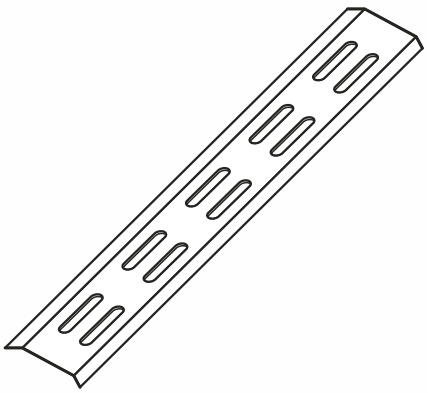
- Used for protecting cables at the junction of cable trays.

Width B(mm)	Part Nr.	Weight KG/p
100	10JCP.100.PG	
150	10JCP.150.PG	
200	10JCP.200.PG	
300	10JCP.300.PG	
400	10JCP.400.PG	
500	10JCP.500.PG	
600	10JCP.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

100	10JCP.100.DG	
150	10JCP.150.DG	
200	10JCP.200.DG	
300	10JCP.300.DG	
400	10JCP.400.DG	
500	10DEQ.500.DG	
600	10DEQ.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

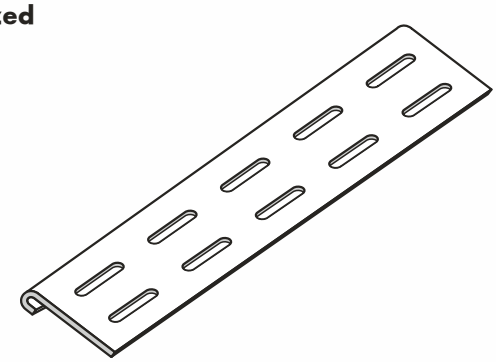
End protection plate 10 EP

- Used for protecting cables at the junction of cable trays.

Width B(mm)	Part Nr.	Weight KG/p
100	10JCP.100.PG	
150	10JCP.150.PG	
200	10JCP.200.PG	
300	10JCP.300.PG	
400	10JCP.400.PG	
500	10JCP.500.PG	
600	10JCP.600.PG	

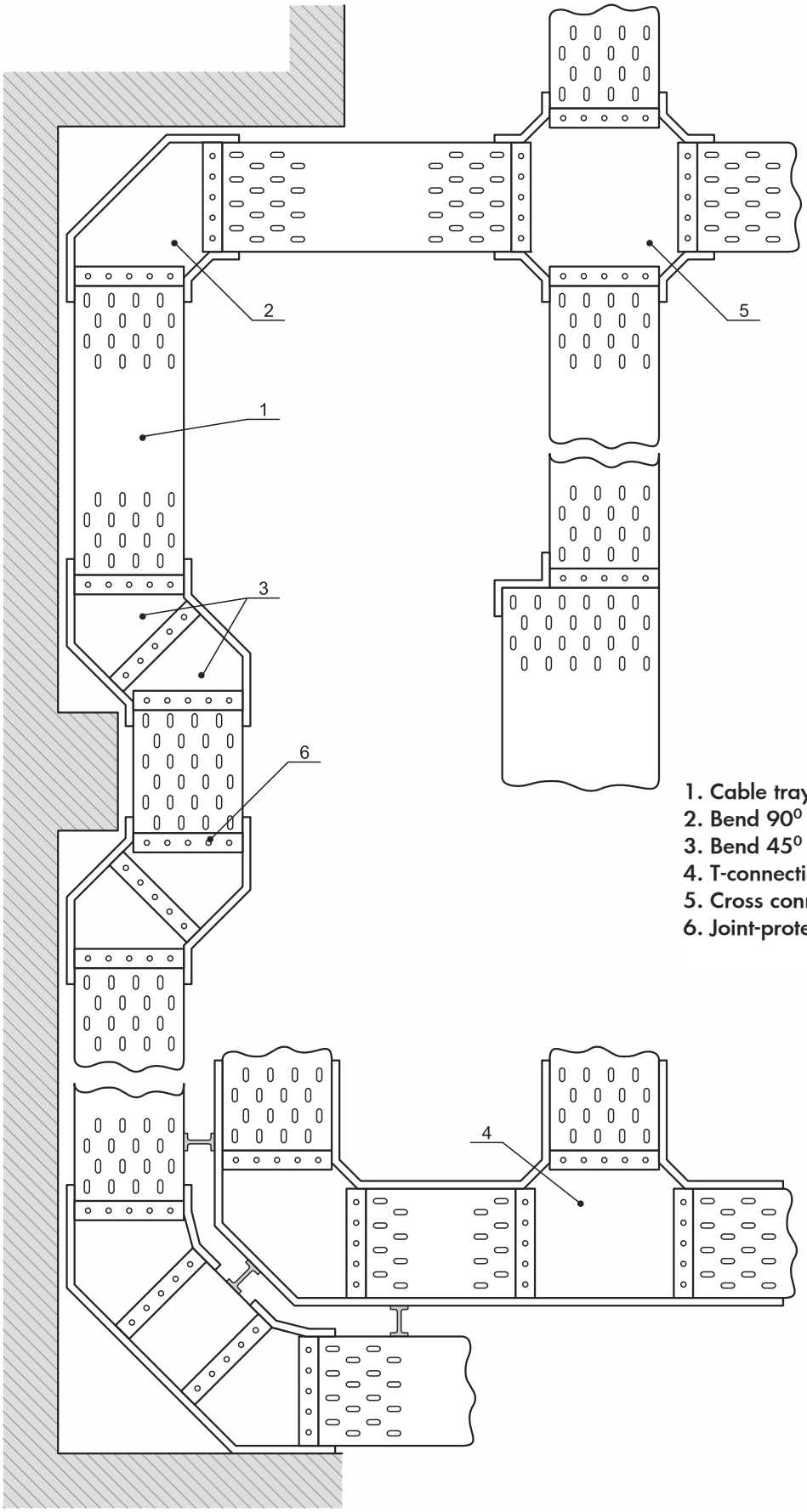
100	10JCP.100.DG	
150	10JCP.150.DG	
200	10JCP.200.DG	
300	10JCP.300.DG	
400	10JCP.400.DG	
500	10JCP.500.DG	
600	10JCP.600.DG	

- made of galvanized sheet steel acc. to DIN EN 10142



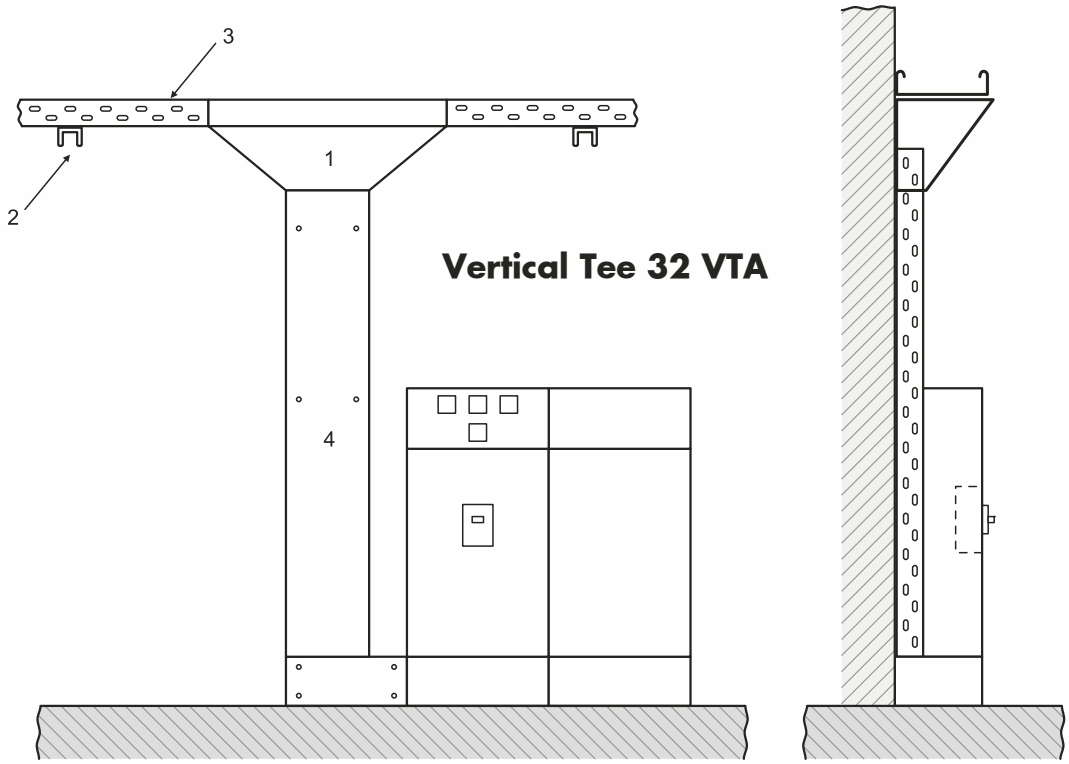
- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

Applications



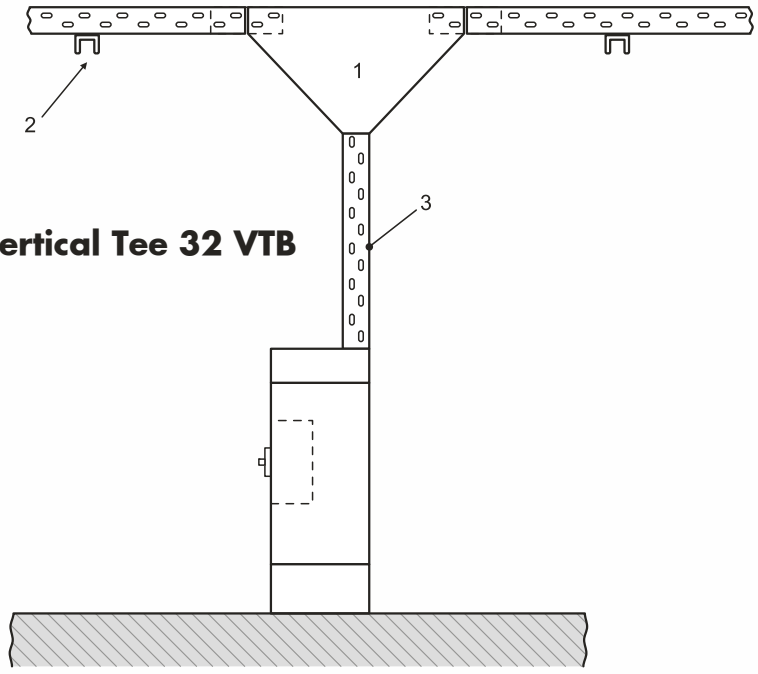
1. Cable tray	32A
2. Bend 90^0	32BK
3. Bend 45^0	32BL
4. T-connection	32E
5. Cross connection	32F
6. Joint-protection plate	10JCP

Applications



Vertical Tee 32 VTA

1. Vertical Tee 32 VTA
2. Bracket 10 MGB
3. Cable Tray 32 A
4. Cover 10 DAQ



Vertical Tee 32 VTB

1. Vertical Tee 32 VTB
2. Bracket 10 MDB
3. Cable Tray 32 A

45
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

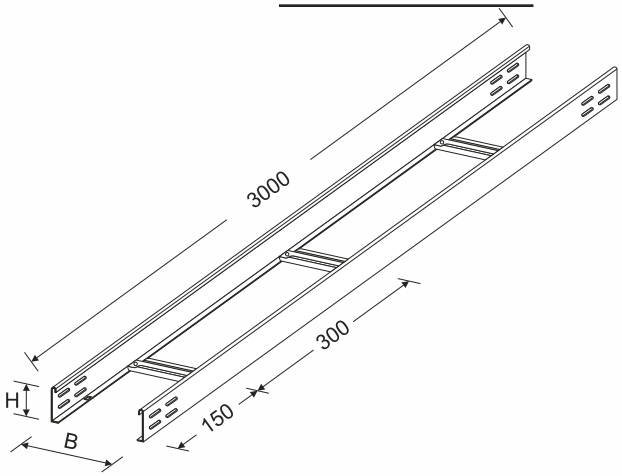
Cable ladders 41 A

- **made of galvanized sheet steel acc.** to DIN EN 10142

Width B (mm)	Part Nr.	thks (mm)	Rung type	Weight KG/m
150 200	41A-4V.150.PG 41A-4V.200.PG	1,5 1,5	"V" 25x10x1,0	
300 400	41A-4V.300.PG 41A-4V.400.PG	1,5 1,5	"V" 25x10x1,0	
500 600	41A-4W.500.PG 41A-4W.600.PG	1,5 1,5	"W" 35x15x15	

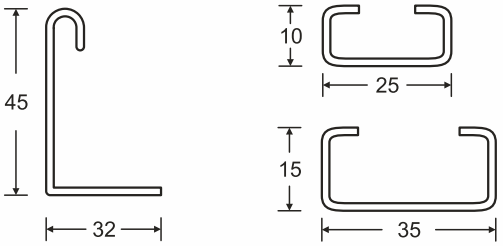
- **made of galvanized sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Width B (mm)	Part Nr.	thks (mm)	Rung type	Weight KG/m
150 200	41A-4V.150.DG 41A-4V.200.DG	1,5 1,5	"V" 25x10x1,0	
300 400	41A-4V.300.DG 41A-4V.400.DG	1,5 1,5	"V" 25x10x1,0	
500 600	41A-4W.500.DG 41A-4W.600.DG	1,5 1,5	"W" 35x10x15	

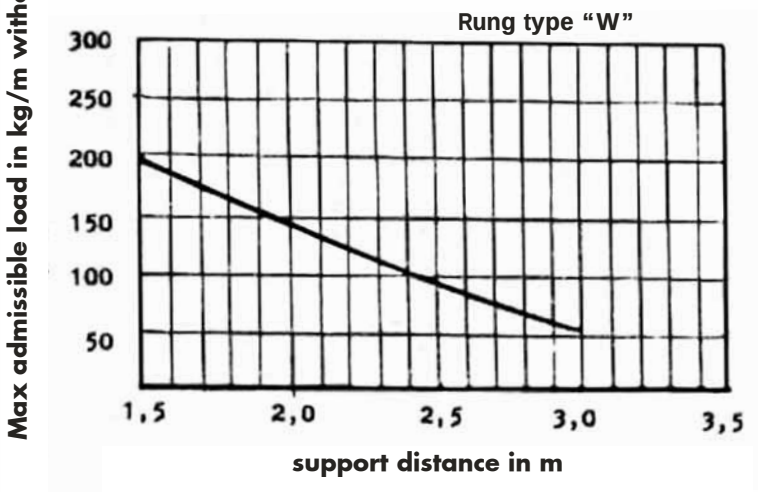


- Standards length : 3,0mts.
- Inturned upper edges of side rails, for reinforcement and cable protection.
- Further dimensions available upon request.
- For each standard length 2 connectors type 10NCR 417 p. 40/07 have to be ordered separately.
- Standards covers type DAC or DAQ (p. 30/34) can be used.

Rung type "V"



Rung type "W"



ACCESSORIES PAGE

- Fittings :40/03-40/06
- Connectors :40/07
- Covers :30/34-30/35
- Partition walls :40/08
- Supports :Chapter 10

45 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

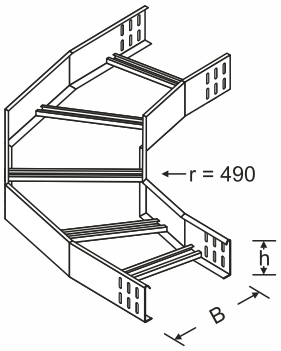
DG: to be used outdoors or indoors in humid atmosphere

- Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

Bends 90º inside 41 BKI

Width B(mm)	Part Nr.	Weight KG/p
150	41BKI-4V.150.PG	
200	41BKI-4V.200.PG	
300	41BKI-4V.300.PG	
400	41BKI-4V.400.PG	
500	41BKI-4W.500.PG	
600	41BKI-4W.600.PG	

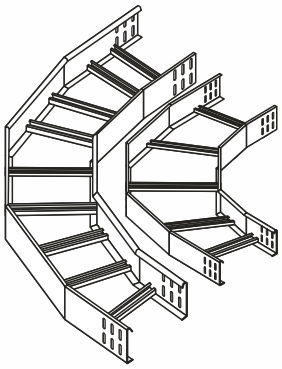
- made of galvanized sheet steel acc. to DIN EN 10142



150	41BKI-4V.150.DG	
200	41BKI-4V.200.DG	
300	41BKI-4V.300.DG	
400	41BKI-4V.400.DG	
500	41BKI-4W.500.DG	
600	41BKI-4W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

B	Γi	Γe
150	490	635
200	-	685
300	-	785
400	-	885
500	-	985
600	-	1085



- Extended ends of side walls allow direct connection to the cable tray. No connectors are needed.

Bends 90º outside 41 BKO

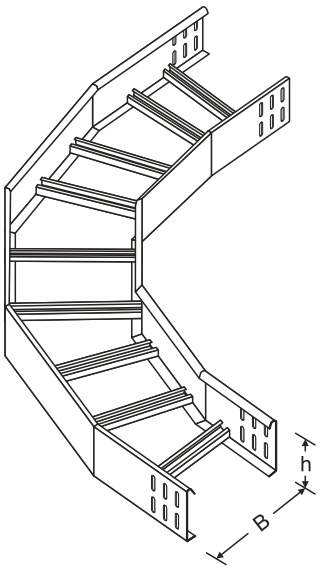
Width B(mm)	Part Nr.	Weight KG/p
150	41BKO-4V.150.PG	
200	41BKO-4V.200.PG	
300	41BKO-4V.300.PG	
400	41BKO-4V.400.PG	
500	41BKO-4W.500.PG	
600	41BKO-4W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

B1	Ba	ri	re	Ri	Re
300	300	490	786	866	1171
300	500	490	786	866	1371
500	300	490	986	1066	1371
500	500	490	986	1066	1571

150	41BKO-4V.150.DG	
200	41BKO-4V.200.DG	
300	41BKO-4V.300.DG	
400	41BKO-4V.400.DG	
500	41BKO-4W.500.DG	
600	41BKO-4W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



45 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

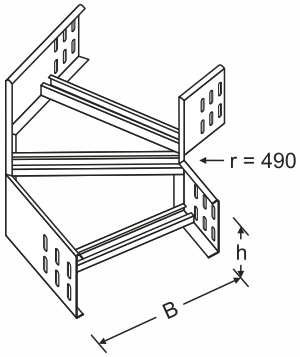
DG: to be used outdoors or indoors in humid atmosphere

- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Bends 45º inside 41 BLI

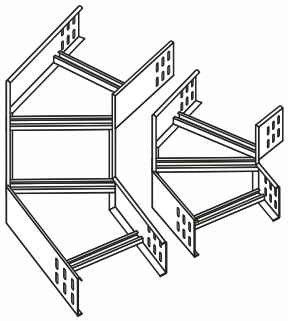
Width B(mm)	Part Nr.	Weight KG/p
150	41BLI-4V.150.PG	
200	41BLI-4V.200.PG	
300	41BLI-4V.300.PG	
400	41BLI-4V.400.PG	
500	41BLI-4V.500.PG	
600	41BLI-4V.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



150	41BLI-4V.150.DG	
200	41BLI-4V.200.DG	
300	41BLI-4V.300.DG	
400	41BLI-4V.400.DG	
500	41BLI-4V.500.DG	
600	41BLI-4V.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



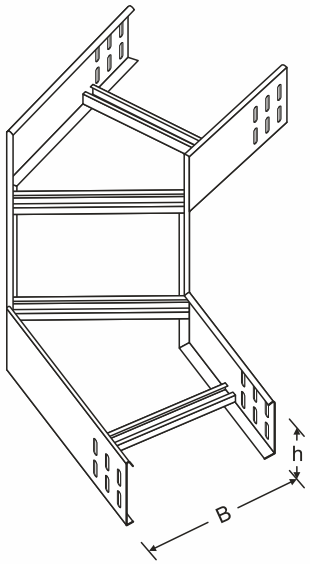
B	Γi	Γe
150	490	635
200	-	685
300	-	785
400	-	885
500	-	985
600	-	1085

- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Bends 45º outside 41 BLO

Width B(mm)	Part Nr.	Weight KG/p
150	41BLO-4V.150.PG	
200	41BLO-4V.200.PG	
300	41BLO-4V.300.PG	
400	41BLO-4V.400.PG	
500	41BLO-4V.500.PG	
600	41BLO-4V.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



150	41BLO-4V.150.DG	
200	41BLO-4V.200.DG	
300	41BLO-4V.300.DG	
400	41BLO-4V.400.DG	
500	41BLO-4V.500.DG	
600	41BLO-4V.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

45
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Tee-piece 41 E

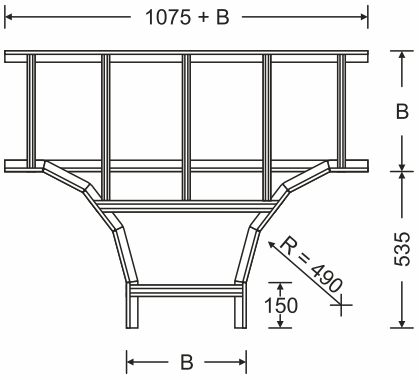
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	41E-4V.150.PG	
200	41E-4V.200.PG	
300	41E-4V.300.PG	
400	41E-4V.400.PG	
500	41E-4W.500.PG	
600	41E-4W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

150	41E-4V.150.DG	
200	41E-4V.200.DG	
300	41E-4V.300.DG	
400	41E-4V.400.DG	
500	41E-4W.500.DG	
600	41E-4W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



Crossing 41 F

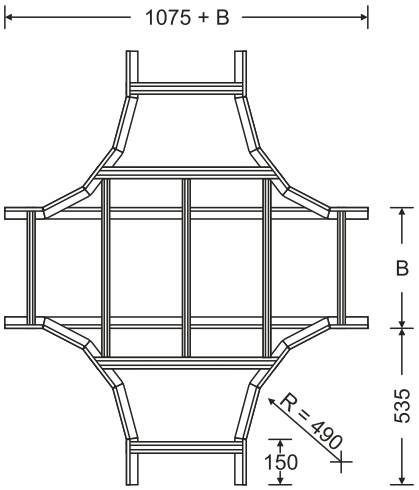
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	41F-4V.150.PG	
200	41F-4V.200.PG	
300	41F-4V.300.PG	
400	41F-4V.400.PG	
500	41F-4W.500.PG	
600	41F-4W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

150	41F-4V.150.DG	
200	41F-4V.200.DG	
300	41F-4V.300.DG	
400	41F-4V.400.DG	
500	41F-4W.500.DG	
600	41F-4W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



45
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

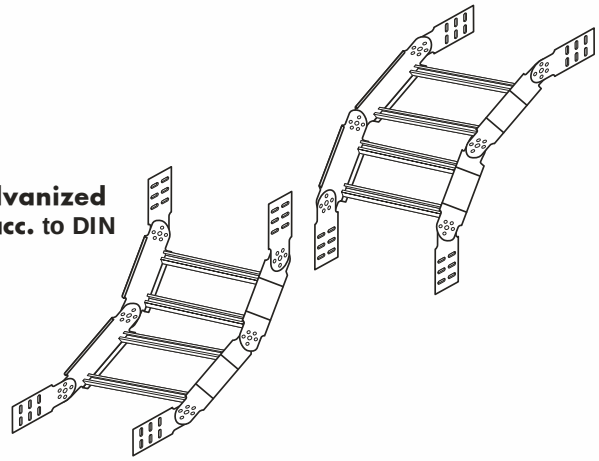
DG: to be used outdoors or indoors in humid atmosphere

Vertical Bends 41 GC

- Each Vertical Adjustable Bend 90⁰ consists of:
  - ⇒ 2 vertical bend-elements GR
  - ⇒ 4 vertical connectors VCR
  - ⇒ 20 bolts M6X13

Width B(mm)	Part Nr.	Weight KG/p
150	41GC-4V.150.PG	
200	41GC-4V.200.PG	
300	41GC-4V.300.PG	
400	41GC-4V.400.PG	
500	41GC-4W.500.PG	
600	41GC-4W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



150	41GC-4V.150.DG	
200	41GC-4V.200.DG	
300	41GC-4V.300.DG	
400	41GC-4V.400.DG	
500	41GC-4W.500.DG	
600	41GC-4W.600.DG	

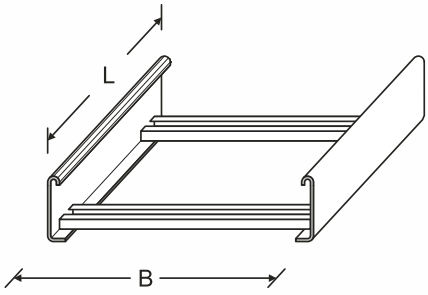
- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

Vertical Bends Elements 41 GR

- By connecting a certain number of Vertical Bend-Elements to each other we obtain a Vertical Adjustable Bend of any radius.

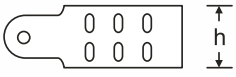
Width B(mm)	Part Nr.	Weight KG/p
150	41GR-4V.150.PG	
200	41GR-4V.200.PG	
300	41GR-4V.300.PG	
400	41GR-4V.400.PG	
500	41GR-4V.500.PG	
600	41GR-4V.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



150	41GR-4V.150.DG	
200	41GR-4V.200.DG	
300	41GR-4V.300.DG	
400	41GR-4V.400.DG	
500	41GR-4W.500.DG	
600	41GR-4W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



45
SIDE HEIGHT

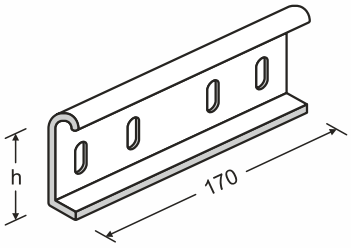
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Connectors 10 NCR

- With each connectors 2 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

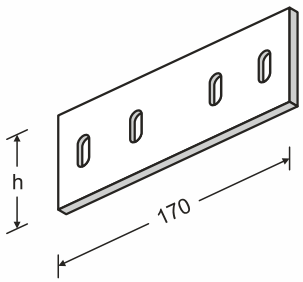
Part Nr.	Weight KG/p
10 NCR417.PG	
10 NCR417.DG	



Connectors 10 NCF

- With each connectors 2 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

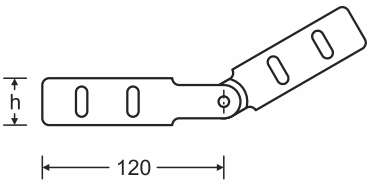
Part Nr.	Weight KG/p
10 NCF417.PG	
10 NCF417.DG	



Connectors 10 VCR

- With each connectors 2 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

Part Nr.	Weight KG/p
10 VCR417.PG	
10 VCR417.DG	



45
SIDE HEIGHT

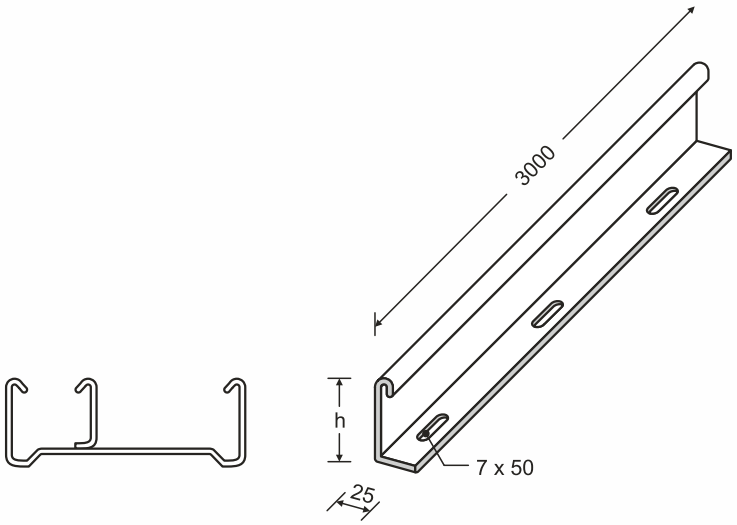
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Cable Ladder Barrier strip 10 BS

- For separating cables with different voltage or function.
- To be connected on each 2nd rung.

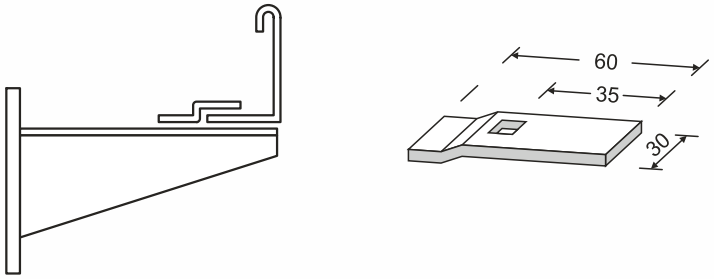
Part Nr.	Weight KG/p
10 BS4.PG	
10 BS4.DG	



Cable Ladder clamp 10 CLC

- For cable ladder connection on brackets.
- Complete with bolt.

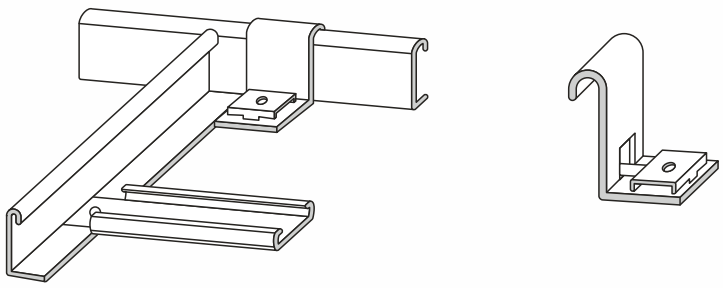
Part Nr.	Weight KG/p
10 CLC4.PG	
10 CLC4.DG	



Cable Ladder connecting piece 10 CLCP

- For assembling a vertical deviation from an already existing cable ladder with equal side height.

Part Nr.	Weight KG/p
10 CLCP4.PG	
10 CLCP4.DG	



60
SIDE HEIGHT

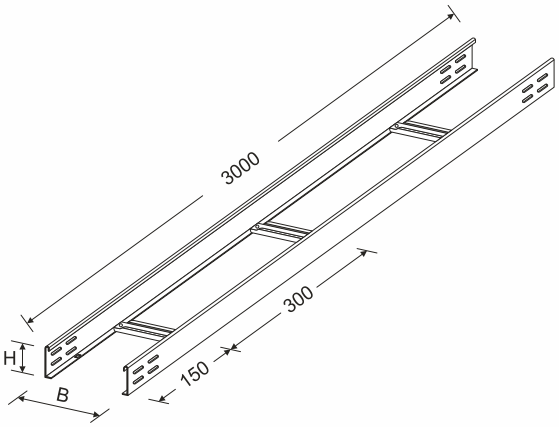
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Cable ladders 41 A

- made of galvanized sheet steel acc. to DIN EN 10142

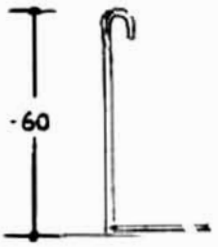
Width B (mm)	Part Nr.	thks (mm)	Rung type	Weight KG/m
150 200	41A-6V.150.PG 41A-6V.200.PG	1,5 1,5	"V" 20x15x1,0	
300 400	41A-6V.300.PG 41A-6V.400.PG	1,5 1,5	"V" 20x15x1,2	

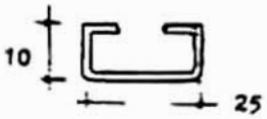


- made of galvanized sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

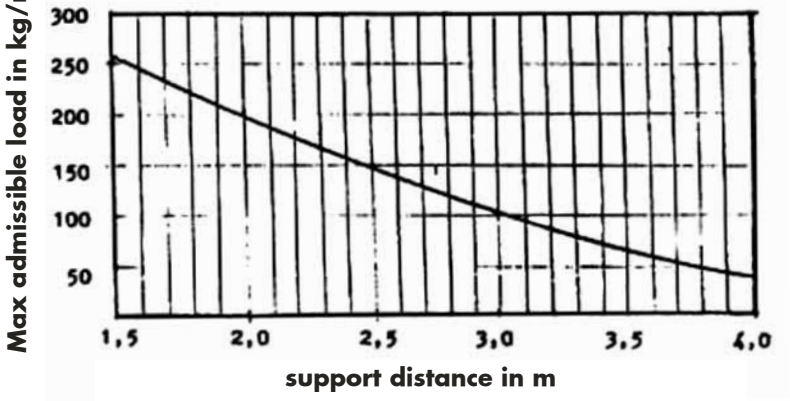
Width B (mm)	Part Nr.	thks (mm)	Rung type	Weight KG/m
150 200	41A-6V.150.DG 41A-6V.200.DG	1,5 1,5	"V" 20x15x1,0	
300 400	41A-6V.300.DG 41A-6V.400.DG	1,5 1,5	"V" 20x15x1,2	

- Standards length : 3,0mts.
- Inturned upper edges of side rails, for reinforcement and cable protection.
- Further dimensions available upon request.
- For each standard length 2 connectors type 10NCR 417 p. 40/15 have to be ordered separately.
- Standards covers type DAC (p. 30/34) can be used.





Rung type "V"



ACCESSORIES PAGES

- Fittings : 40/11-40/14
- Connectors : 40/15
- Pertition-clamps : 40/16
- Supports : Chapter 10

60
SIDE HEIGHT

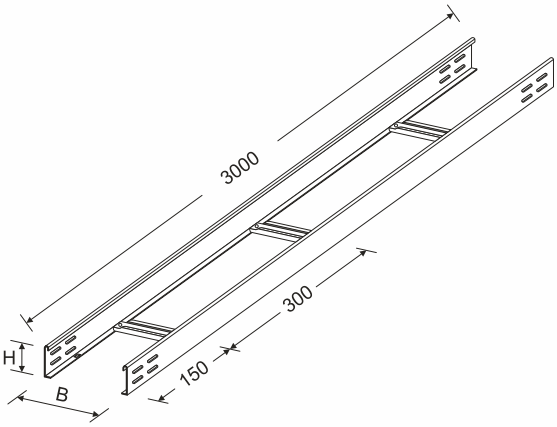
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Cable ladders 41 A

- made of galvanized sheet steel acc. to DIN EN 10142

Width B (mm)	Part Nr.	thks (mm)	Rung type	Weight KG/m
150	41A-6W.150.PG	1,5	"W"	
200	41A-6W.200.PG	1,5		
300	41A-6W.300.PG	1,5		
400	41A-6W.400.PG	1,5	35x15x1,5	
500	41A-6W.500.PG	1,5		
600	41A*6W.600.PG	1,5		

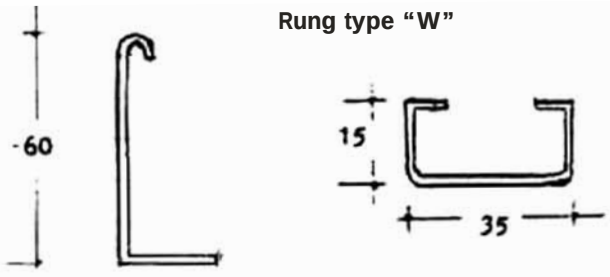


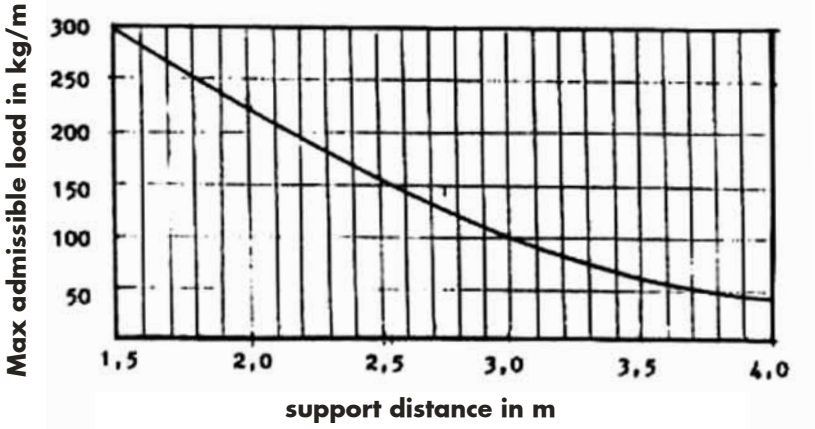
- made of galvanized sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

Width B (mm)	Part Nr.	thks (mm)	Rung type	Weight KG/m
150	41A-6W.150.DG	1,5	"W"	
200	41A-6W.200.DG	1,5		
300	41A-6W.300.DG	1,5		
400	41A-6W.400.DG	1,5	35x15x1,5	
500	41A-6W.500.DG	1,5		
600	41A*6W.600.DG	1,5		

- Standards length : 3,0mts.
- Inturned upper edges of side rails, for reinforcement and cable protection.
- Further dimensions available upon request.
- For each standard length 2 connectors type 10NCR 417 p. 40/15 have to be ordered separately.
- Standards covers type DAC (p. 30/34) can be used.

Rung type "W"





ACCESSORIES PAGES

- Fittings : 40/11-40/14
- Connectors : 40/15
- Pertition-clamps : 40/16
- Supports : Chapter 10

60 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

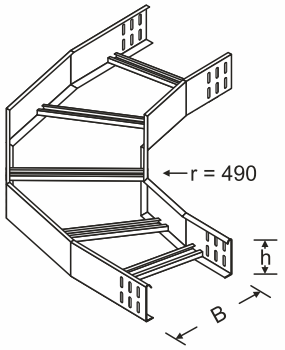
DG: to be used outdoors or indoors in humid atmosphere

- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Bends 90° inside 41 BKI

Width B(mm)	Part Nr.	Weight KG/p
150	41BKI-6W.150.PG	
200	41BKI-6W.200.PG	
300	41BKI-6W.300.PG	
400	41BKI-6W.400.PG	
500	41BKI-6W.500.PG	
600	41BKI-6W.600.PG	

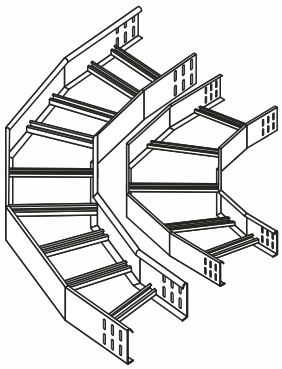
- made of galvanized sheet steel acc. to DIN EN 10142



150	41BKI-6W.150.DG	
200	41BKI-6W.200.DG	
300	41BKI-6W.300.DG	
400	41BKI-6W.400.DG	
500	41BKI-6W.500.DG	
600	41BKI-6W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

B	ri	re
150	490	635
200	490	685
300	490	785
400	490	885
500	490	985
600	490	1085



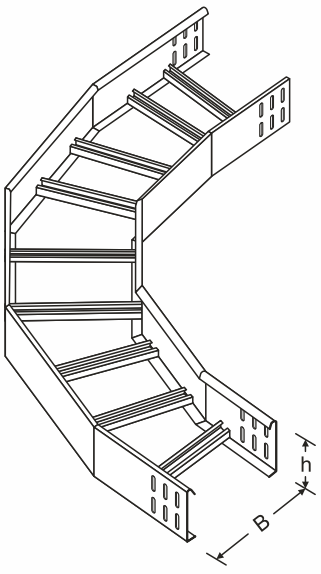
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Bends 90° outside 41 BKO

Width B(mm)	Part Nr.	Weight KG/p
150	41BKO-6W.150.PG	
200	41BKO-6W.200.PG	
300	41BKO-6W.300.PG	
400	41BKO-6W.400.PG	
500	41BKO-6W.500.PG	
600	41BKO-6W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

B_1	B_2	r_i	r_e	R_i	R_e
300	300	490	786	866	1149
300	500	490	786	866	1371
500	300	490	986	1066	1371
500	500	490	986	1066	1571



150	41BKO-6W.150.DG	
200	41BKO-6W.200.DG	
300	41BKO-6W.300.DG	
400	41BKO-6W.400.DG	
500	41BKO-6W.500.DG	
600	41BKO-6W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

60 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

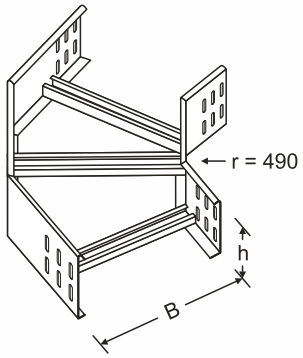
DG: to be used outdoors or indoors in humid atmosphere

- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Bends 45º inside 41 BLI

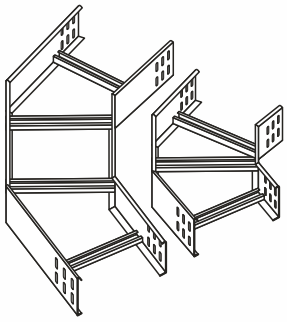
Width B(mm)	Part Nr.	Weight KG/p
150	41BLI-6W.150.PG	
200	41BLI-6W.200.PG	
300	41BLI-6W.300.PG	
400	41BLI-6W.400.PG	
500	41BLI-6W.500.PG	
600	41BLI-6W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



150	41BLI-6W.150.DG	
200	41BLI-6W.200.DG	
300	41BLI-6W.300.DG	
400	41BLI-6W.400.DG	
500	41BLI-6W.500.DG	
600	41BLI-6W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



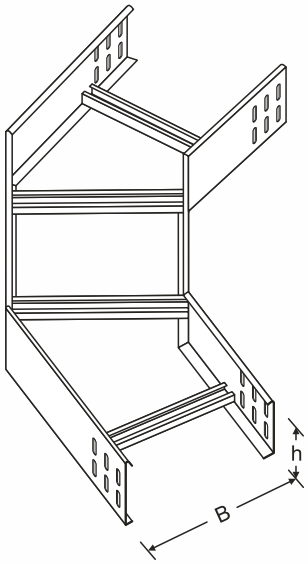
B	Γi	Γe
150	490	635
200	490	685
300	490	785
400	490	885
500	490	985
600	490	1085

- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Bends 45º outside 41 BLO

Width B(mm)	Part Nr.	Weight KG/p
150	41BLO-6W.150.PG	
200	41BLO-6W.200.PG	
300	41BLO-6W.300.PG	
400	41BLO-6W.400.PG	
500	41BLO-6W.500.PG	
600	41BLO-6W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142



150	41BLO-6W.150.DG	
200	41BLO-6W.200.DG	
300	41BLO-6W.300.DG	
400	41BLO-6W.400.DG	
500	41BLO-6W.500.DG	
600	41BLO-6W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

60
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Tee-piece 41 E

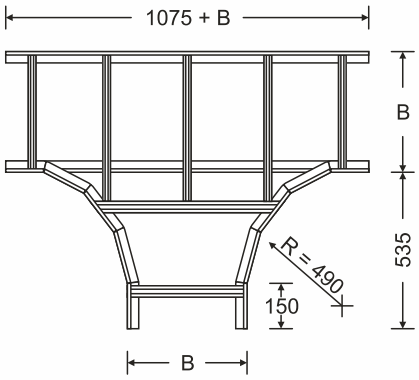
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	41E-6W.150.PG	
200	41E-6W.200.PG	
300	41E-6W.300.PG	
400	41E-6W.400.PG	
500	41E-6W.500.PG	
600	41E-6W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

150	41E-6W.150.DG	
200	41E-6W.200.DG	
300	41E-6W.300.DG	
400	41E-6W.400.DG	
500	41E-6W.500.DG	
600	41E-6W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



Crossing 41 F

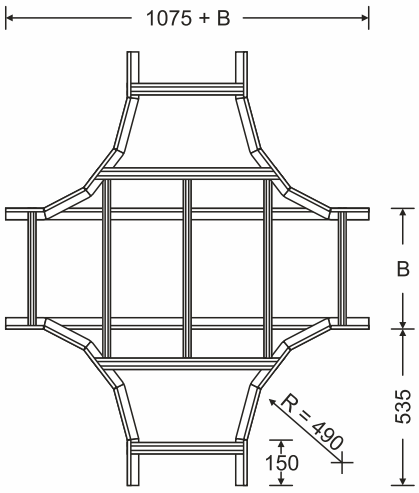
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	41F-6W.150.PG	
200	41F-6W.200.PG	
300	41F-6W.300.PG	
400	41F-6W.400.PG	
500	41F-6W.500.PG	
600	41F-6W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

150	41F-6W.150.DG	
200	41F-6W.200.DG	
300	41F-6W.300.DG	
400	41F-6W.400.DG	
500	41F-6W.500.DG	
600	41F-6W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



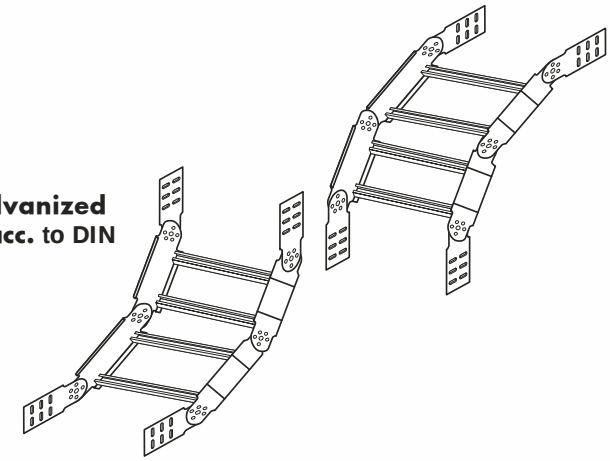
60
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Vertical Bends 41 GC

- Each Vertical Adjustable Bend 90⁰ consists of:
  - ⇒ 2 vertical bend-elements GR
  - ⇒ 4 vertical connectors VCF
  - ⇒ 20 bolts M6X16



Width B(mm)	Part Nr.	Weight KG/p
150	41GC-6W.150.PG	
200	41GC-6W.200.PG	
300	41GC-6W.300.PG	
400	41GC-6W.400.PG	
500	41GC-6W.500.PG	
600	41GC-6W.600.PG	

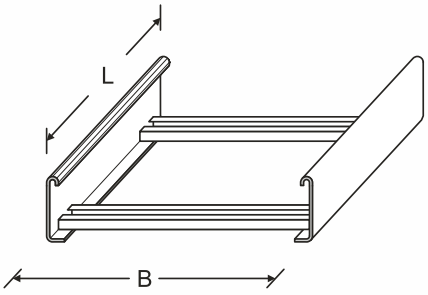
- made of galvanized sheet steel acc. to DIN EN 10142

150	41GC-6W.150.DG	
200	41GC-6W.200.DG	
300	41GC-6W.300.DG	
400	41GC-6W.400.DG	
500	41GC-6W.500.DG	
600	41GC-6W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

Vertical Bends Elements 41 GR

- By connecting a certain number of Vertical Bend-Elements to each other we obtain a Vertical Adjustable Bend of any radius.

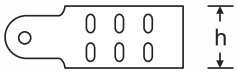


Width B(mm)	Part Nr.	Weight KG/p
150	41GR-6W.150.PG	
200	41GR-6W.200.PG	
300	41GR-6W.300.PG	
400	41GR-6W.400.PG	
500	41GR-6W.500.PG	
600	41GR-6W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

150	41GR-6W.150.DG	
200	41GR-6W.200.DG	
300	41GR-6W.300.DG	
400	41GR-6W.400.DG	
500	41GR-6W.500.DG	
600	41GR-6W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



60
SIDE HEIGHT

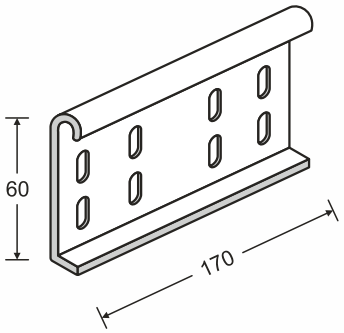
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Connectors 10 NCR

- With each connectors 2 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

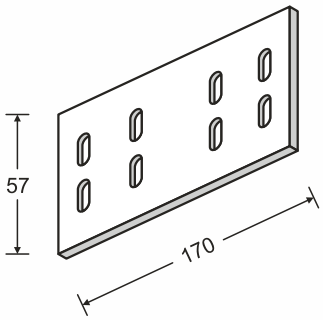
Part Nr.	Weight KG/p
10 NCR617.PG	
10 NCR617.DG	



Connectors 10 NCF

- With each connectors 2 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

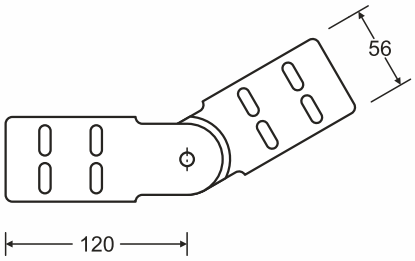
Part Nr.	Weight KG/p
10 NCF617.PG	
10 NCF617.DG	



Connectors 10 VCR

- With each connectors 2 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

Part Nr.	Weight KG/p
10 VCR617.PG	
10 VCR617.DG	



60
SIDE HEIGHT

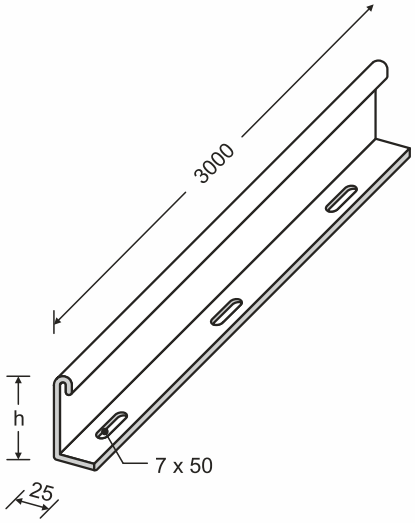
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Cable Ladder Barrier strip 10 BS

- For separating cables with different voltage or function.
- To be connected on each 2nd rung.

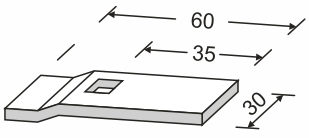
Part Nr.	Weight KG/p
10 BS6.PG	
10 BS64.DG	



Cable Ladder clamp 10 CLC

- For cable ladder connection on brackets.
- Complete with bolt.

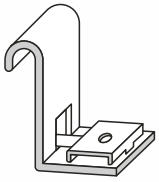
Part Nr.	Weight KG/p
10 CLC6.PG	
10 CLC6.DG	



Cable Ladder connecting piece 10 CLCP

- For assembling a vertical deviation from an already existing cable ladder with equal side height.

Part Nr.	Weight KG/p
10 CLCP6.PG	
10 CLCP6.DG	



85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

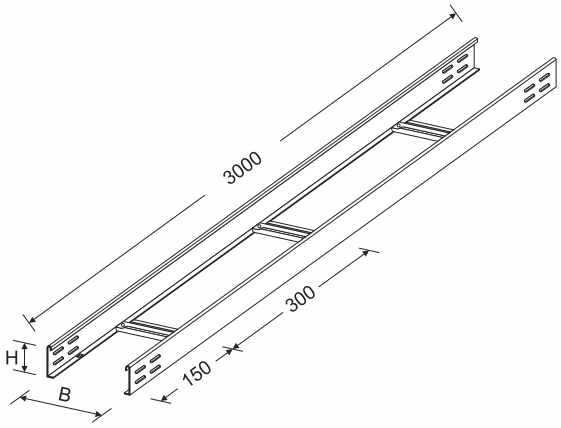
Cable ladders

- made of galvanized sheet steel acc. to DIN EN 10142

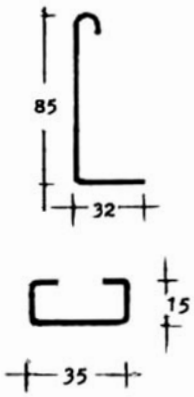
Width B(mm)	Part Nr.	Weight KG/p
150	41A-8W.150.PG	
200	41A-8W.200.PG	
300	41A-8W.300.PG	
400	41A-8W.400.PG	
500	41A-8W.500.PG	
600	41A-8W.600.PG	

- made of galvanized sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

Width B(mm)	Part Nr.	Weight KG/p
150	41A-8W.150.DG	
200	41A-8W.200.DG	
300	41A-8W.300.DG	
400	41A-8W.400.DG	
500	41A-8W.500.DG	
600	41A-8W.600.DG	



- Standards length : 3,0mts.
- Inturned upper edges of side rails, for reinforcement and cable protection.
- Further dimensions available upon request.
- For each standard length 2 connectors type 10NCR 817 p. 40/22 have to be ordered separately.
- Standards covers type DAC (p. 30/34) can be used.



B	Plate gauge (mm) S	
150	1,5	1,5
200	1,5	1,5
300	1,5	1,5
400	1,5	1,5
500	1,5	1,5
600	1,5	1,5

ACCESSORIES PAGES

- Fittings : 40/18-40/21
- Connectors : 40/22
- Pertition-clamps : 40/23
- Supports : Chapter 10

85 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

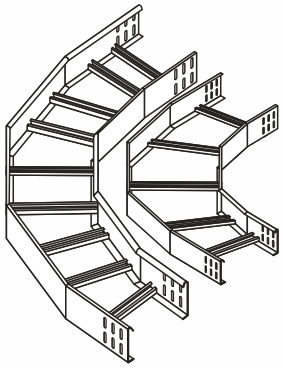
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	41BLI-8W.150.PG	
200 300 400	41BLI-8W.200.PG 41BLI-8W.300.PG 41BLI-8W.400.PG	
500 600	41BLI-8W.500.PG 41BLI-8W.600.PG	

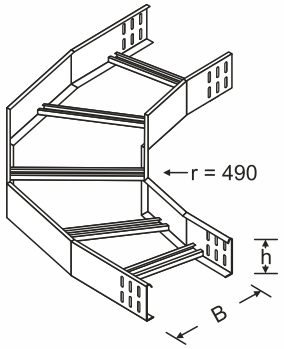
- made of galvanized sheet steel acc. to DIN EN 10142

150	41BLI-8W.150.DG	
200 300 400	41BLI-8W.200.DG 41BLI-8W.300.DG 41BLI-8W.400.DG	
500 600	41BLI-8W.500.DG 41BLI-8W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



Bends 90° inside 41 BLI



B	Γi	Γe
150	490	635
200	490	685
300	490	785
400	490	885
500	490	985
600	490	1085

- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	41BLO-8W.150.PG	
200 300 400	41BLO-8W.200.PG 41BLO-8W.300.PG 41BLO-8W.400.PG	
500 600	41BLO-8W.500.PG 41BLO-8W.600.PG	

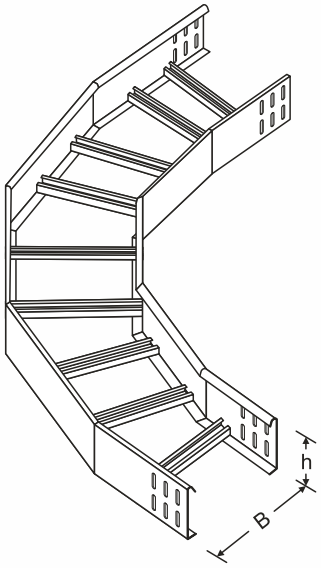
- made of galvanized sheet steel acc. to DIN EN 10142

B_t	B_a	r_i	r_e	R_i	R_e
300	300	490	786	866	1171
300	500	490	786	866	1371
500	300	490	986	1066	1371
500	500	490	986	1066	1571

150	41BLO-8W.150.DG	
200 300 400	41BLO-8W.200.DG 41BLO-8W.300.DG 41BLO-8W.400.DG	
500 600	41BLO-8W.500.DG 41BLO-8W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

Bends 90° outside 41 BLO



85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

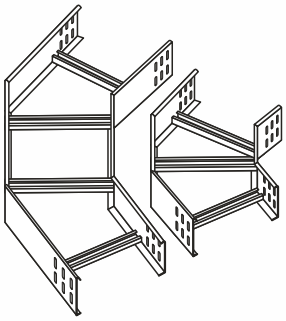
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	41BLI-8W.150.PG	
200	41BLI-8W.200.PG	
300	41BLI-8W.300.PG	
400	41BLI-8W.400.PG	
500	41BLI-8W.500.PG	
600	41BLI-8W.600.PG	

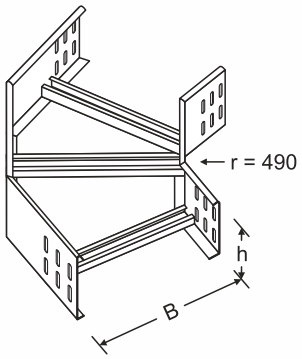
- made of galvanized sheet steel acc. to DIN EN 10142

150	41BLI-8W.150.DG	
200	41BLI-8W.200.DG	
300	41BLI-8W.300.DG	
400	41BLI-8W.400.DG	
500	41BLI-8W.500.DG	
600	41BLI-8W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



Bends 45° inside 41 BLI



B	Γi	Γe
150	490	635
200	-	685
300	-	785
400	-	885
500	-	985
600	-	1085

- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

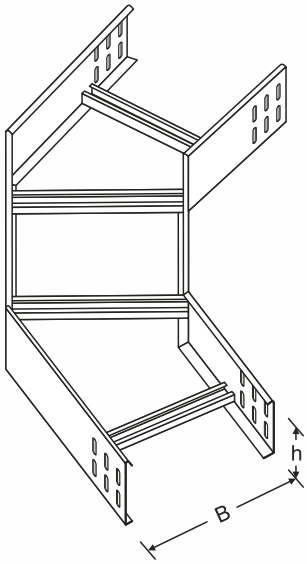
Width B(mm)	Part Nr.	Weight KG/p
150	41BLO-8W.150.PG	
200	41BLO-8W.200.PG	
300	41BLO-8W.300.PG	
400	41BLO-8W.400.PG	
500	41BLO-8W.500.PG	
600	41BLO-8W.600.PG	

- made of galvanized sheet steel acc. to DIN EN 10142

150	41BLO-8W.150.DG	
200	41BLO-8W.200.DG	
300	41BLO-8W.300.DG	
400	41BLO-8W.400.DG	
500	41BLO-8W.500.DG	
600	41BLO-8W.600.DG	

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

Bends 45° outside 41 BLO



85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Tee-piece 41 E

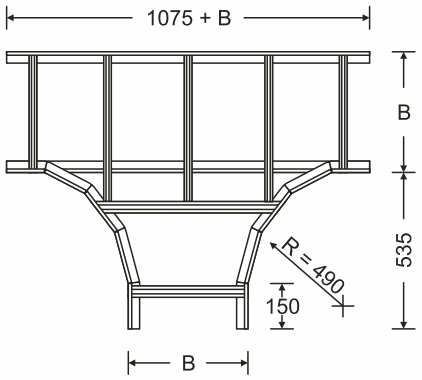
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	**41E-8W.150.PG**	
200	**41E-8W.200.PG**	
300	**41E-8W.300.PG**	
400	**41E-8W.400.PG**	
500	**41EI-8W.500.PG**	
600	**41E-8W.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

150	**41E-8W.150.DG**	
200	**41E-8W.200.DG**	
300	**41E-8W.300.DG**	
400	**41E-8W.400.DG**	
500	**41E-8W.500.DG**	
600	**41E-8W.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



Crossing 41 F

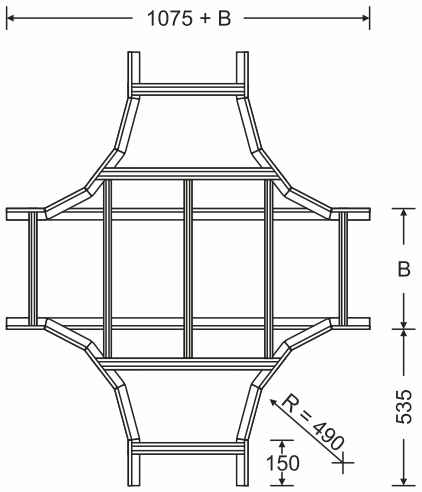
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	**41F-8W.150.PG**	
200	**41F-8W.200.PG**	
300	**41F-8W.300.PG**	
400	**41F-8W.400.PG**	
500	**41F-8W.500.PG**	
600	**41F-8W.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

150	**41F-8W.150.DG**	
200	**41F-8W.200.DG**	
300	**41F-8W.300.DG**	
400	**41F-8W.400.DG**	
500	**41F-8W.500.DG**	
600	**41F-8W.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



85
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

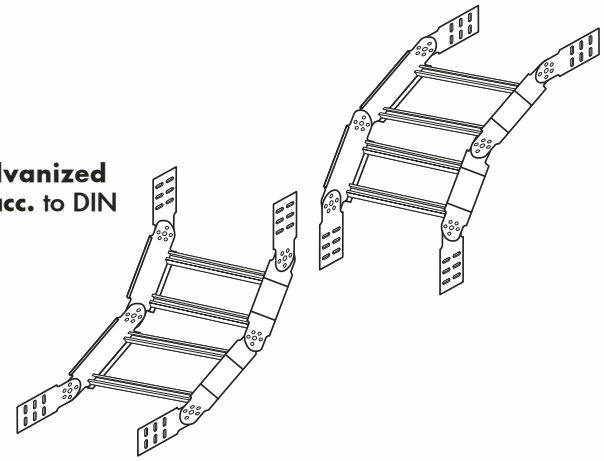
DG: to be used outdoors or indoors in humid atmosphere

Vertical Bends 41 GC

- Each Vertical Adjustable Bend 90° consists of:
  - ⇒ 2 vertical bend-elements GR
  - ⇒ 4 vertical connectors VCF
  - ⇒ 20 bolts M6X16

Width B(mm)	Part Nr.	Weight KG/p
150	**41GC-8W.150.PG**	
200	**41GC-8W.200.PG**	
300	**41GC-8W.300.PG**	
400	**41GC-8W.400.PG**	
500	**41GC-8W.500.PG**	
600	**41GC-8W.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142



150	**41GC-8W.150.DG**	
200	**41GC-8W.200.DG**	
300	**41GC-8W.300.DG**	
400	**41GC-8W.400.DG**	
500	**41GC-8W.500.DG**	
600	**41GC-8W.600.DG**	

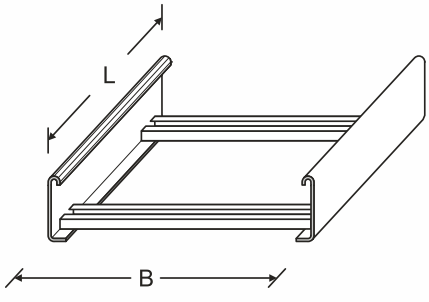
- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Vertical Bends Elements 41 GR

- By connecting a certain number of Vertical Bend-Elements to each other we obtain a Vertical Adjustable Bend of any radius.

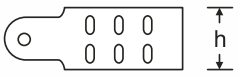
Width B(mm)	Part Nr.	Weight KG/p
150	**41GR-8W.150.PG**	
200	**41GR-8W.200.PG**	
300	**41GR-8W.300.PG**	
400	**41GR-8W.400.PG**	
500	**41GR-8W.500.PG**	
600	**41GR-8W.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142



150	**41GR-8W.150.DG**	
200	**41GR-8W.200.DG**	
300	**41GR-8W.300.DG**	
400	**41GR-8W.400.DG**	
500	**41GR-8W.500.DG**	
600	**41GR-8W.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



85
SIDE HEIGHT

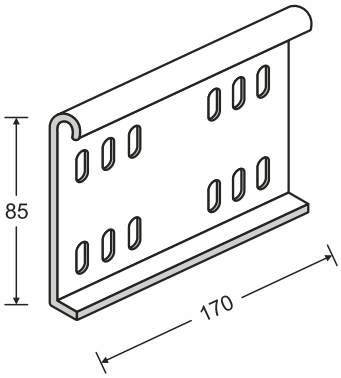
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Connectors 10 NCR

- With each connectors 6 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

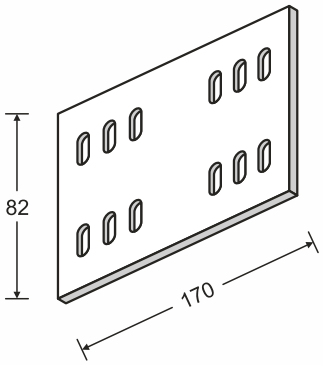
Part Nr.	Weight KG/p
10 NCR817.PG	
10 NCR817.DG	



Connectors 10 NCF

- With each connectors 6 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

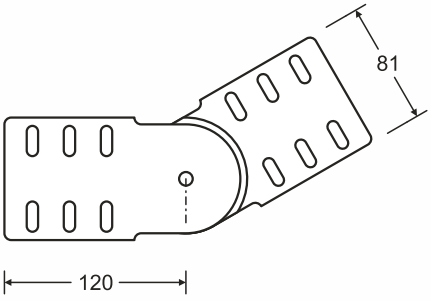
Part Nr.	Weight KG/p
10 NCF817.PG	
10 NCF817.DG	



Connectors 10 VCR

- With each connectors 6 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

Part Nr.	Weight KG/p
10 VCR817.PG	
10 VCR817.DG	



85
SIDE HEIGHT

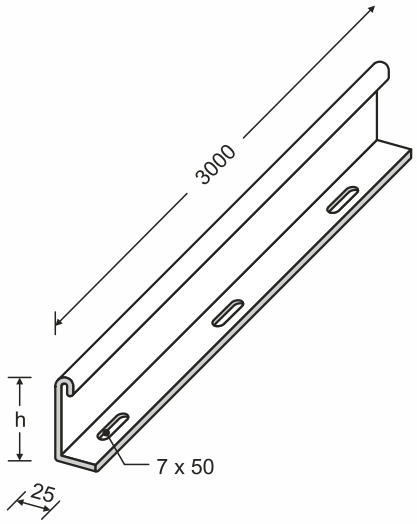
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Cable Ladder Barrier strip 10 BS

- For separating cables with different voltage or function.
- To be connected on each 2nd rung.

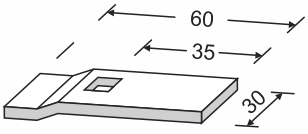
Part Nr.	Weight KG/p
10 BS8.PG	
10 BS8.DG	



Cable Ladder clamp 10 CLC

- For cable cable ladder connection on brackets.
- Complete with bolt.

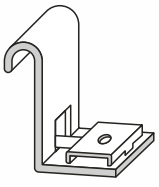
Part Nr.	Weight KG/p
10 CLC8.DG	



Cable Ladder connecting piece 10 CLCP

- For assembling a vertical deviation from an already existing cable ladder with equal side height.

Part Nr.	Weight KG/p
10 CLCP8.PG	
10 CLCP8.DG	



110
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

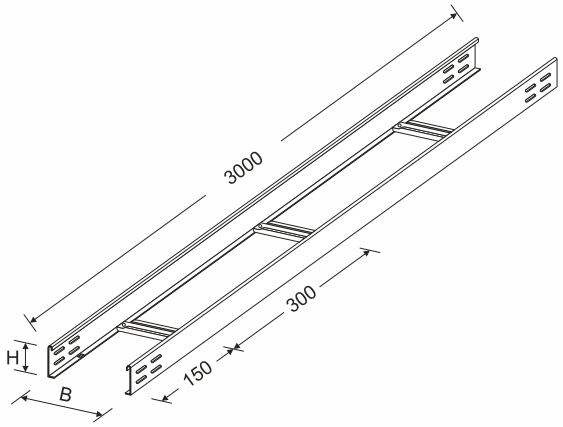
Cable ladders 41 A

- **made of galvanized sheet steel acc.** to DIN EN 10142

Width B(mm)	Part Nr.	Weight KG/p
150	**41A-0W.150.PG**	
200	**41A-0W.200.PG**	
300	**41A-0W.300.PG**	
400	**41A-0W.400.PG**	
500	**41A-0W.500.PG**	
600	**41A-0W.600.PG**	

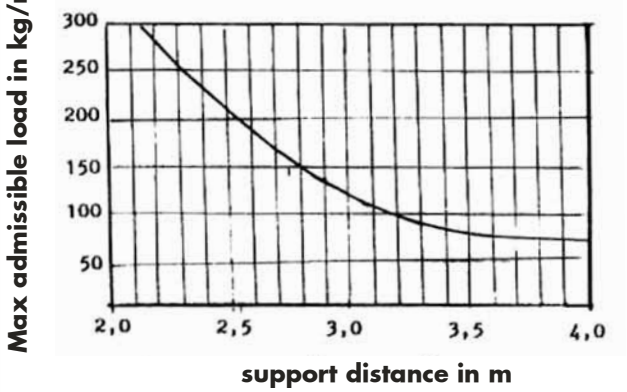
- **made of galvanized sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Width B(mm)	Part Nr.	Weight KG/p
150	**41A-0W.150.DG**	
200	**41A-0W.200.DG**	
300	**41A-0W.300.DG**	
400	**41A-0W.400.DG**	
500	**41A-0W.500.DG**	
600	**41A-0W.600.DG**	



- Standards length : 3,0mts.
- Inturned upper edges of side rails, for reinforcement and cable protection.
- Further dimensions available upon request.
- For each standard length 2 connectors type 10NCR 017 p. 40/29 have to be ordered separately.
- Standards covers type DAC (p. 30/34) can be used.

B	Plate gauge (mm)	
	S	
150	1,5	1,5
200	1,5	1,5
300	1,5	1,5
400	1,5	1,5
500	1,5	1,5
600	1,5	1,5



ACCESSORIES PAGES

- Fittings : 40/25-40/28
- Connectors : 40/29
- Pertition-clamps : 40/30
- Supports : Chapter 10

110
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

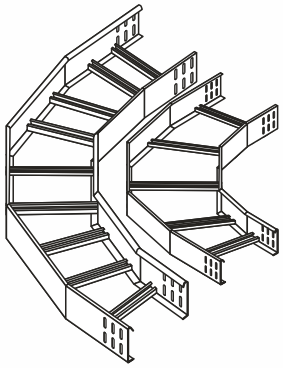
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	41BKI-0W.150.PG	
200 300 400	41BLI-0W.200.PG 41BKI-0W.300.PG 41BKI-0W.400.PG	
500 600	41BKI-0W.500.PG 41BKI-0W.600.PG	

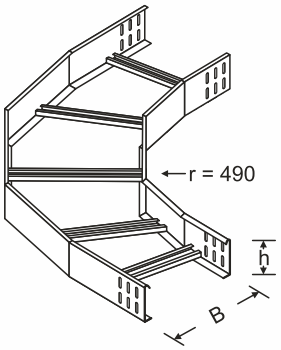
- **made of galvanized sheet steel acc.** to DIN EN 10142

150	41BKI-0W.150.DG	
200 300 400	41BKI-0W.200.DG 41BKI-0W.300.DG 41BKI-0W.400.DG	
500 600	41BKI-0W.500.DG 41BKI-0W.600.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



Bends 90⁰ inside 41 BKI



B	ri	re
150	490	635
200	-	685
300	-	785
400	-	885
500	-	985
600	-	1085

- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	41BKO-0W.150.PG	
200 300 400	41BKO-0W.200.PG 41BKO-0W.300.PG 41BKO-0W.400.PG	
500 600	41BKO-0W.500.PG 41BKO-0W.600.PG	

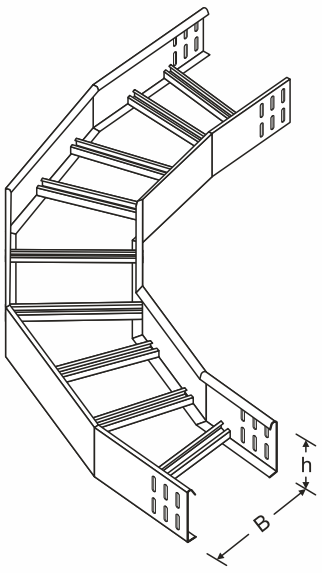
- **made of galvanized sheet steel acc.** to DIN EN 10142

B_1	B_2	r_i	r_e	R_i	R_e
300	300	490	786	866	1171
300	500	490	786	866	1371
500	300	490	986	1066	1371
500	500	490	986	1066	1571

150	41BKO-0W.150.DG	
200 300 400	41BKO-0W.200.DG 41BKO-0W.300.DG 41BKO-0W.400.DG	
500 600	41BKO-0W.500.DG 41BKO-0W.600.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Bends 90⁰ outside 41 BKO



110 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

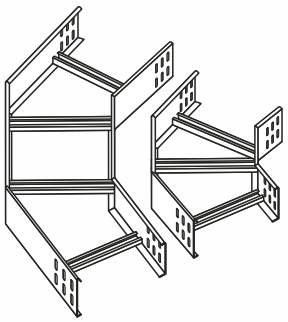
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	**41BLI-0W.150.PG**	
200	**41BLI-0W.200.PG**	
300	**41BLI-0W.300.PG**	
400	**41BLI-0W.400.PG**	
500	**41BLI-0W.500.PG**	
600	**41BLI-0W.600.PG**	

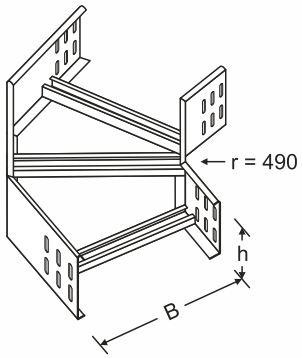
- **made of galvanized sheet steel acc.** to DIN EN 10142

150	**41BLI-0W.150.DG**	
200	**41BLI-0W.200.DG**	
300	**41BLI-0W.300.DG**	
400	**41BLI-0W.400.DG**	
500	**41BLI-0W.500.DG**	
600	**41BLI-0W.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



Bends 45º inside 41 BLI



B	ri	re
150	490	635
200	-	685
300	-	785
400	-	885
500	-	985
600	-	1085

- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

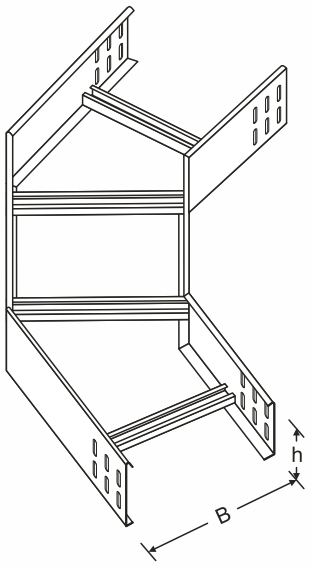
Width B(mm)	Part Nr.	Weight KG/p
150	**41BLO-0W.150.PG**	
200	**41BLO-0W.200.PG**	
300	**41BLO-0W.300.PG**	
400	**41BLO-0W.400.PG**	
500	**41BLO-0W.500.PG**	
600	**41BLO-0W.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

150	**41BLO-0W.150.DG**	
200	**41BLO-0W.200.DG**	
300	**41BLO-0W.300.DG**	
400	**41BLO-0W.400.DG**	
500	**41BLO-0W.500.DG**	
600	**41BLO-0W.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Bends 45º outside 41 BLO



110
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Tee-piece 41 E

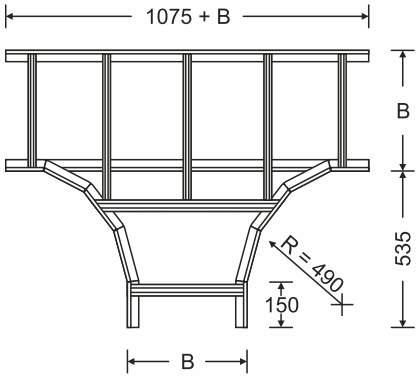
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	**41E-0W.150.PG**	
200	**41E-0W.200.PG**	
300	**41E-0W.300.PG**	
400	**41E-0W.400.PG**	
500	**41EI-0W.500.PG**	
600	**41E-0W.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

150	**41E-8W.150.DG**	
200	**41E-0W.200.DG**	
300	**41E-0W.300.DG**	
400	**41E-0W.400.DG**	
500	**41E-0W.500.DG**	
600	**41E-0W.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



Crossing 41 F

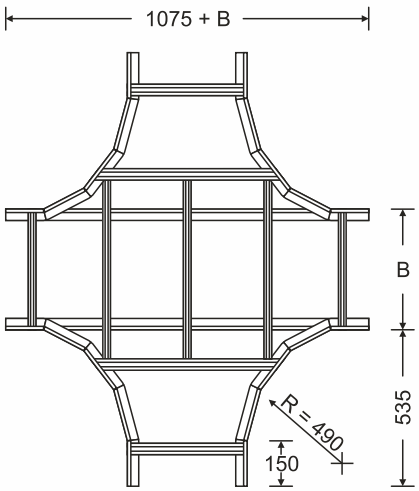
- Extended ends of side walls allow direct connection to the cable ladder. No connectors are needed.

Width B(mm)	Part Nr.	Weight KG/p
150	**41F-0W.150.PG**	
200	**41F-0W.200.PG**	
300	**41F-0W.300.PG**	
400	**41F-0W.400.PG**	
500	**41F-0W.500.PG**	
600	**41F-0W.600.PG**	

- **made of galvanized sheet steel acc.** to DIN EN 10142

150	**41F-0W.150.DG**	
200	**41F-0W.200.DG**	
300	**41F-0W.300.DG**	
400	**41F-0W.400.DG**	
500	**41F-0W.500.DG**	
600	**41F-0W.600.DG**	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



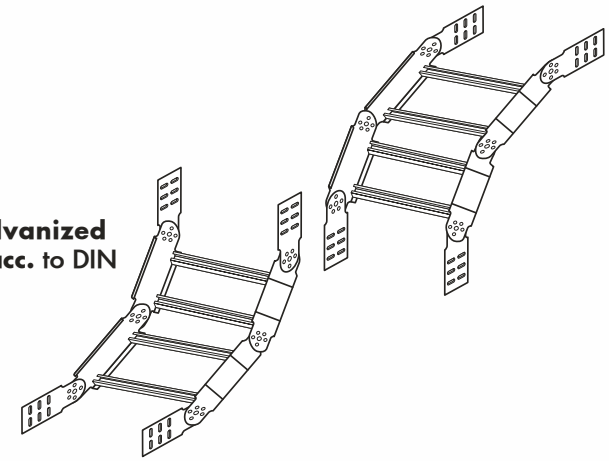
110
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Vertical Bends 41 GC

- Each Vertical Adjustable Bend 90° consists of:
  ⇒ 2 vertical bend-elements GR
  ⇒ 4 vertical connectors VCF
  ⇒ 20 bolts M6X16
  Above piece are included in the price.



Width B(mm)	Part Nr.	Weight KG/p
150	41GC-0W.150.PG	
200	41GC-0W.200.PG	
300	41GC-0W.300.PG	
400	41GC-0W.400.PG	
500	41GC-0W.500.PG	
600	41GC-0W.600.PG	

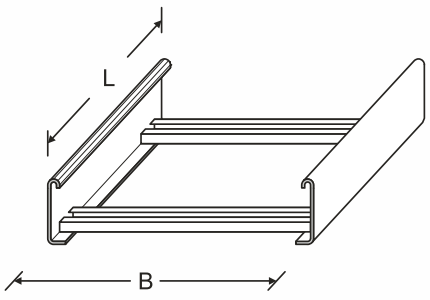
- **made of galvanized sheet steel acc.** to DIN EN 10142

150	41GC-0W.150.DG	
200	41GC-0W.200.DG	
300	41GC-0W.300.DG	
400	41GC-0W.400.DG	
500	41GC-0W.500.DG	
600	41GC-0W.600.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)

Vertical Bends Elements 41 GR

- By connecting a certain number of Vertical Bend-Elements to each other we obtain a Vertical Adjustable Bend of any radius.

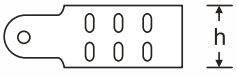


Width B(mm)	Part Nr.	Weight KG/p
150	41GR-0W.150.PG	
200	41GR-0W.200.PG	
300	41GR-0W.300.PG	
400	41GR-0W.400.PG	
500	41GR-0W.500.PG	
600	41GR-0W.600.PG	

- **made of galvanized sheet steel acc.** to DIN EN 10142

150	41GR-0W.150.DG	
200	41GR-0W.200.DG	
300	41GR-0W.300.DG	
400	41GR-0W.400.DG	
500	41GR-0W.500.DG	
600	41GR-0W.600.DG	

- **made of metal sheet hot dip galvanized acc.** to EN ISO 1461 after manufacture (DG)



110
SIDE HEIGHT

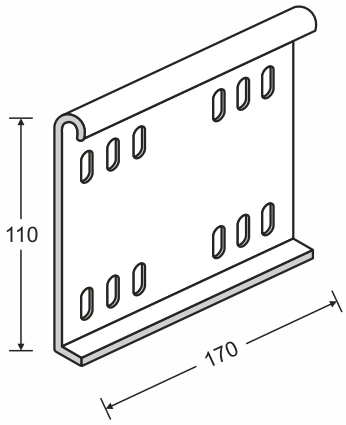
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

- With each connectors 6 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

Part Nr.	Weight KG/p
10 NCR017.PG	
10 NCR017.DG	

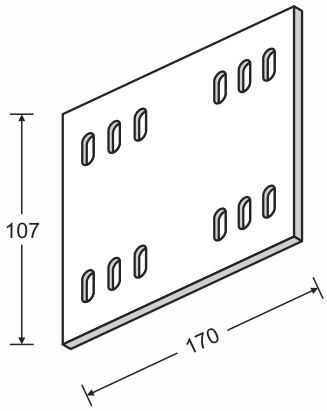
Connectors 10 NCR



- With each connectors 6 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

Part Nr.	Weight KG/p
10 NCF017.PG	
10 NCF017.DG	

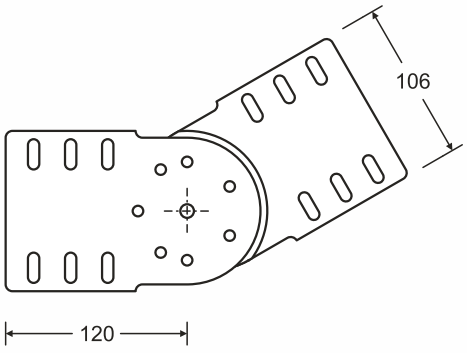
Connectors 10 NCF



- With each connectors 6 bolts M6x13, Part Nr. 10G12.616, have to be ordered separately.

Part Nr.	Weight KG/p
10 VCR017.PG	
10 VCR017.DG	

Connectors 10 VCR



110 SIDE HEIGHT

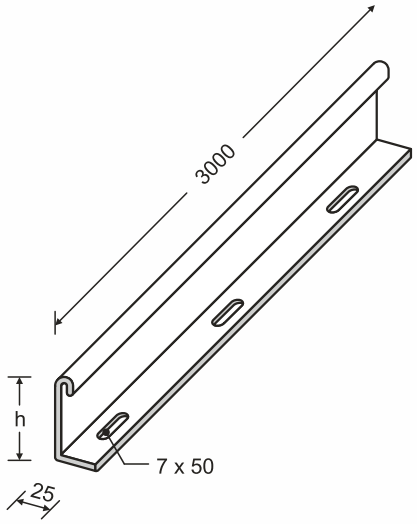
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Cable Ladder Barrier strip 10 BS

- For separating cables with different voltage or function.
- To be connected on each 2nd rung.

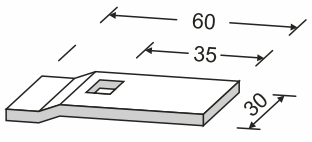
Part Nr.	Weight KG/p
10 BS0.PG	
10 BS0.DG	



Cable Ladder clamp 10 CLC

- For cable cable ladder connection on brackets.
- Complete with bolt.

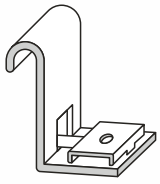
Part Nr.	Weight KG/p
10 CLC0.DG	



Cable Ladder connecting piece 10 CLCP

- For assembling a vertical deviation from an already existing cable ladder with equal side height.

Part Nr.	Weight KG/p
10 CLCP0.PG	
10 CLCP0.DG	



General Specifications

ELVORACK system consists of a versatile range of standard components which bolt together to create an unlimited variety of structures and hanging dispositions, used for supporting mechanical or electrical elements.

The advantages of the system are among others:

- easy design and assembly.
- numerous services can be provided including cabling, piping or ducting.
- no welding or drilling work is necessary on site since all components are fully remountable and reusable.
- assembly time is limited to minimum.

The main components of the system are:

- channels (single or multiple sections).
- channels nuts.
- Fittings and brackets.

A. The channels are the basic structural member of the system. They can be fixed easily to the floors, ceilings, walls or steelwork and may be connected to each other by using the various fittings available.

ELVORACK channels are formed from 2.5mm pregalvanized steel plate but they are also available in a hot dip galvanized finish. Multiple channel sections are formed by welding together single ones. Standard lengths are 3 mts.

B. The channel nuts are the elements by which the channels are connected to form the metal framing. They have serrated grooves with hardened teeth which bite securely into the channel's inturned edges.

They can be inserted easily at any point along the channel and held in place by the spring.

C. Bolts used throughout the **ELVORACK** sytem are M6, M8, M10, M12 normal bolts and M10, M12 high tensile bolts. The standard finish is zinc plated. Bolts to be used when attaching fittings to the channels are:

- M10X30 or M12X30 when channels 50A are connected by using fittings of the range 53.

- M10X25 or M12X25 when the structure is formed by using channels 50C.

- M6X25 when attaching the cable tray or cable ladder to a bracket range 10.EHD. Exception is made if trays or ladders are fitted vertically.

In this case the size of bolt should be M10X25 ή M12X25.

D. **ELVORACK** system includes a comprehensive range of fittings, cantilever arms, brackets, pipe clamps etc.

They are also designed to reduce on site cost by avoiding drilling or welding. Fittings are made of 6 mm gauge steel bar.

The size of holes is 14mm in order to accept bolts M10 or M12.

Design of the Framework

To design a safe structure it is necessary to check all components of the structure. We have therefore to ensure that all channels, fittings and brackets can safely stand the load being imposed upon them.

A. Channels used as beams

The maximum safe load for a channel used as a beam can be calculated using one of the following three criteria:

1. maximum load calculated from the yield stress of the steel, using a safety factor of 1.5

2. a maximum mid-span deflection 1/180 of the span.

3. a maximum mid-span deflection 1/360 of the span. The maximum uniformly distributed loads according to the above criteria are given on page 50/05.

If in practise loads are neither uniformly distributed across the beam nor a point load the following approximation can be used:

We add all the loads imposed on the channel (uniformly distributed or point loads) and assume that the sum of these loads is imposed at mid-span.

So we can check the beam, using the table on page 50/05 with a safe approximation.

B. Channels used as upstands

It is rare that that loads are directly applied to the upper end of a channel. In most cases loads are applied to the brackets or fittings which are connected to the open end of the channel and create a combined axial force down to the upstand and a bending force which reduces the maximum admissible load. Such eccentric loads should be carefully checked in accordance with standard design practice.

C. Brackets

Loads applied to brackets could be either uniformly distributed loads or point loads. In the first case the maximum load applied to a bracket is shown on page 50/20. In the second case the bending moment produced by the various point loads should not exceed the admissible max. bending moment shown below based on a safety factor 1.5.

bracket Part Nr.	max. bending moment
10.EHD - 1	590 Nm or 60 Kgfm
10.EHD - 2	1670 Nm or 170 Kgfm

As known the bending moment for any point is obtained by multiplynig the size of the load by the distance from the end of the arm. If several point loads exist the bending moments produced should be added to obtain the total. If on the other hand, part of the load is uniformly distributed along a section of the bracket then this load can be considered as acting at mid-point of the section over which it is spread.

D. Brackets - Nuts

The admissible loads applied to the various fittings based on a safety factor of 2.5, are shown on page 50/10 of this catalogue. The maximum force to be applied on a nut without sliding across the channel, based on a safety factor 3, is shown on the nearby table:

Nuts Part Nr.	Aesistance to slip	Put out strength
52 A1 52 B1	651 Kgf 380 Kgf	870 Kgf 650 Kgf

If the figure obtained from the calculation exceeds the maximum one shown in the table, then another fitting with 2 or more bolts should be used.

E. Bolts

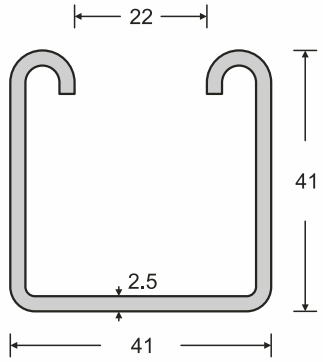
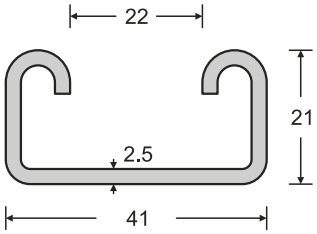
The moment to be applied for tightening bolts M10 and M12 is 48 Nm (4.7 Kgf) i.e. the one obtained by hand.

The maximum safety load acceptable by a bolt M12, when a bending moment of 4.7 Kgfm is applied, amounts to 300Kg.

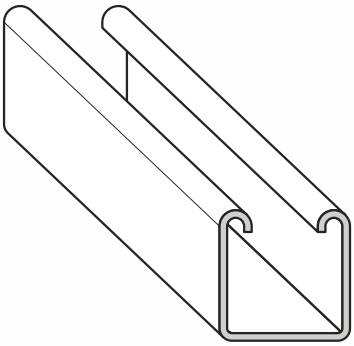
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

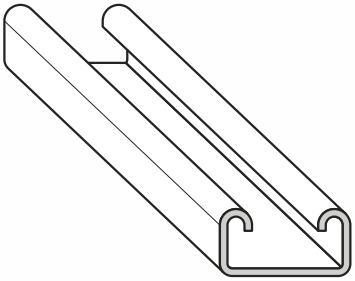
Channels

50A			50C
Βάρος 2.7kg/m			**Βάρος 1.8kg/m**

- The channels are the basic structural member of the system. They can be fixed easily to the floors, ceilings, walls or steelwork and may be connected to each other by using the various fitting available.
- Made of galvanized steel acc. to DIN EN 10142 or hot-dip galvanized after manufacture acc. to EN ISO 1461.
- Thks: 2,5 mm
- Length: 3,0 m
- Channels can also be delivered in other lengths upon request.



50A



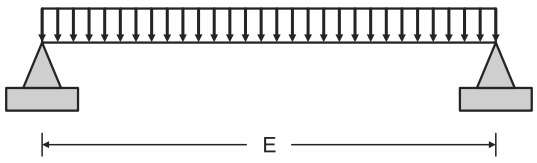
50C

Part Nr.	Dimensions (mm)	Finish
50A/PG	41X41	PG
50C/PG	41X21	PG
50A/DG	41X41	DG
50C/DG	41X21	DG

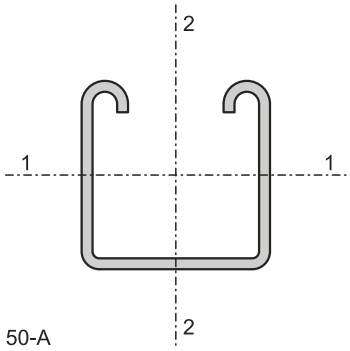
CHANNELS LOADING TABLE & TECHNICAL DATA

The following table shows the admissible loads (P_0, P_1, P_2) for various spans (E) when the channel is loaded as a beam by a uniformly distributed (U.D) load.
Besides the table shows the maximum load (P) when the channel is loaded as a column.
If a point load is applied at mid-span the maximum admissible load is 0.5 P_0.

E = distance between supports
P_0 = max.U.D. load if the yield stress of the steel is not to be exceeded, using a safety factor of 1.5
P_1 = max U.D. load if the acceptable deflection is E:180
P_2 = max U.D. load if the acceptable deflection is E:360
P = max. axial column load.



Channel 50A



50-A

E(mm)	Po(Kgf)	P1(Kgf)	P2(Kgf)	P (Kgf)
400	1200	1200	1200	4600
600	780	780	780	4320
800	590	590	490	4060
1000	480	480	350	3600
1250	375	375	220	3100
1500	310	310	150	2700
1750	270	225	110	2300
2000	235	180	90	2050
2250	205	130	68	1760
2500	180	105	50	1400
2750	165	85	40	1260
3000	160	80	38	980

Weight: 2.70 Kg/m
Section: 3.62 cm^2

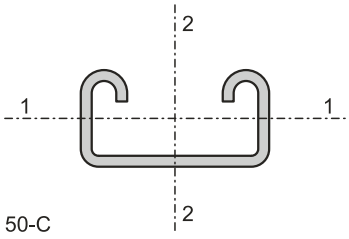
Axis 1-1

I (cm^4)	7.75
Z (cm^3)	3.33
R (cm)	1.46

Axis 2-2

I (cm^4)	9.90
Z (cm^3)	4.80
R (cm)	1.67

Channel 50C



50-C

E(mm)	Po(Kgf)	P1(Kgf)	P2(Kgf)	P (Kgf)
400	350	350	310	3100
600	242	242	140	2530
800	184	170	80	1610
1000	142	110	60	1080
1250	120	75	40	860
1500	95	46	23	350
1750	86	38	20	310
2000	74	27	-	280
2250	62	20	-	230
2500	58	-	-	180
2750	50	-	-	150
3000	45	-	-	120

Weight: 1.80 Kg/m
Section : 2.43 cm^2

Axis 1-1

I (cm^4)	1.30
Z (cm^3)	1.05
R (cm)	0.74

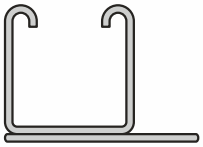
Axis 2-2

I (cm^4)	5.70
Z (cm^3)	2.73
R (cm)	1.52

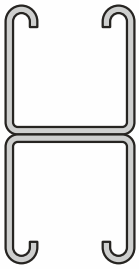
Multiple channels

- Multiple channels are manufactured from seam welded channels 50A or 50C.
- All types available and their Part Nrs are shown below:
- Standard length: 3000mm
- Made of hot-dip galvanized sheet steel acc. to EN ISO 1461.

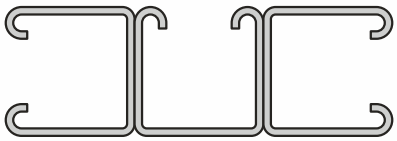
52A11



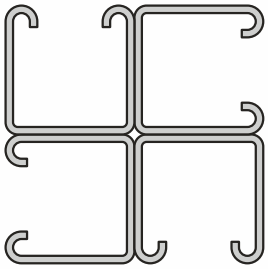
52A21



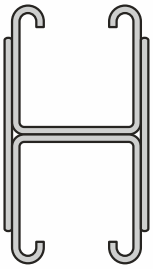
52A31



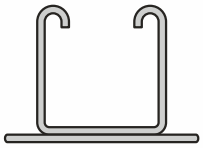
52A41



52A51



52A12



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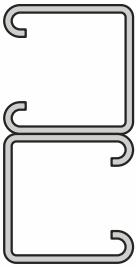

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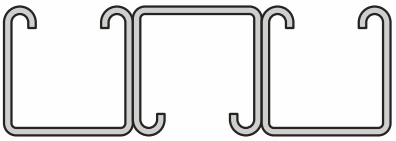
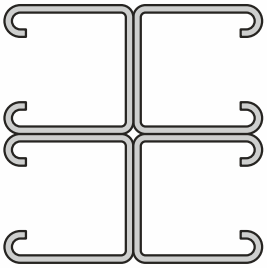
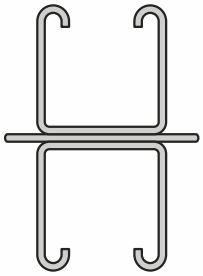


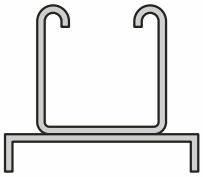
52A42



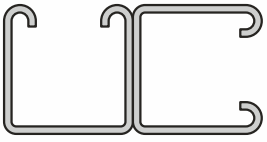
52A52



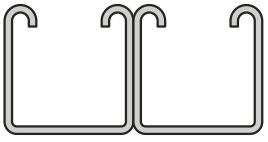
52A13



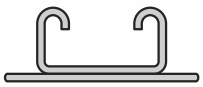
52A23



52A24



52C11



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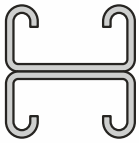
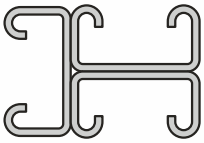
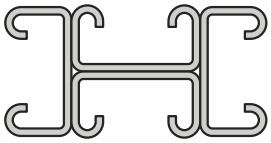


52C13



52C14



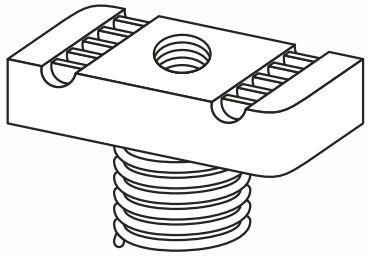
Spring Nuts 52 A

- The channel nuts are the elements by which the channels are connected to each other to form the metal framing.
- They are manufactured from steel bar and they have serrated grooves with hardened teeth which bite securely into the channel's inturned edges.
- They can be inserted easily at any point along the channel and are held in place by the spring.
- Electro-plated after manufacture acc. to DIN 50961.

Nut with long spring

- Suitable for 50A channel

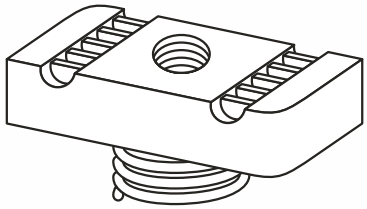
Thread	Part Nr.	Weight (%) Kg
M6	**52A1 - 06**	3.1
M8	**52A1 - 08**	3.7
M10	**52A1 - 10**	4.2
M12	**52A1 - 12**	5.0



Nut with short spring

- Suitable for 50C channel

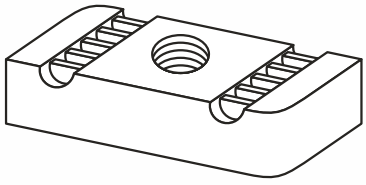
Thread	Part Nr.	Weight (%) Kg
M6	**52A2 - 06**	3.0
M8	**52A2 - 08**	3.5
M10	**52A2 - 10**	4.0
M12	**52A2 - 12**	4.8



Nut without spring

- Suitable for 50 both channel (50A & 50C)

Thread	Part Nr.	Weight (%) Kg
M6	**52B2 - 06**	2.7
M8	**52B2 - 08**	3.2
M10	**52B2 - 10**	3.7
M12	**52B2 - 12**	4.6



DG: to be used outdoors or indoors in humid atmosphere

Flat connectors 53 A

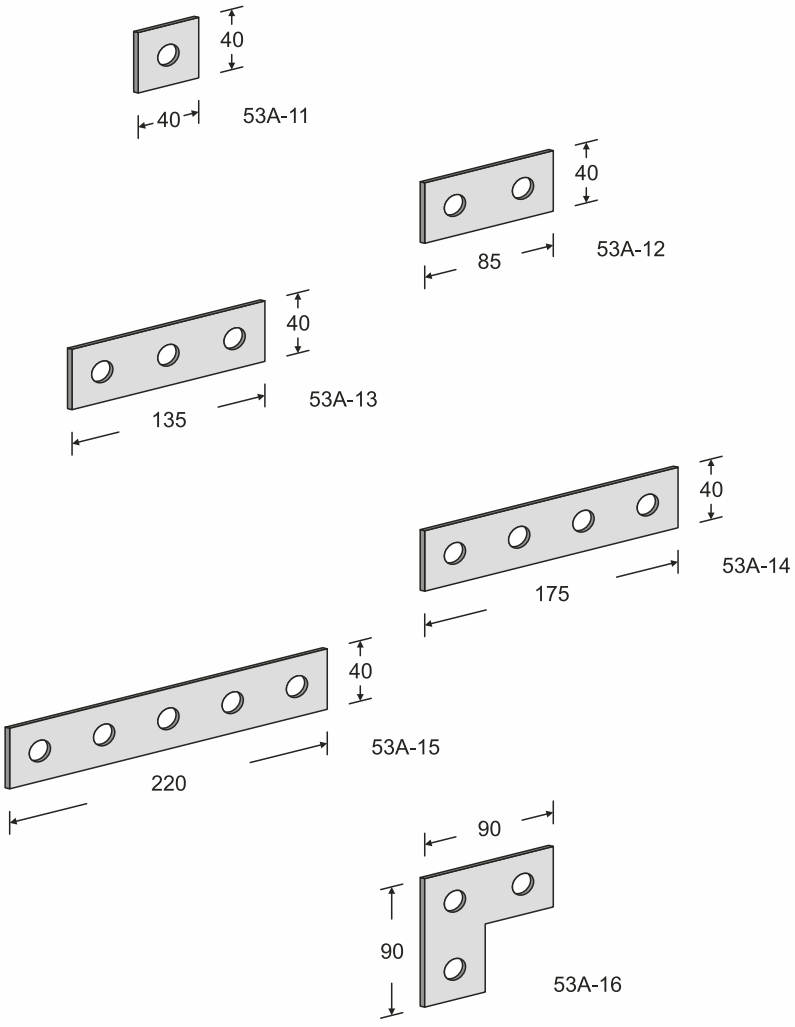
Hole : Ø 14
Width : 40 mm
Thks : 6 mm

Hole spacing:

- on center : 48 mm
- from end : 21 mm

- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

Designation	Part Nr.
Flat connector Weight : 68 gr	**53A - 11 DG**
Flat connector Weight : 150 gr	**53A - 12 DG**
Flat connector Weight : 240 gr	**53A - 13 DG**
Flat connector Weight : 320 gr	**53A - 14 DG**
Flat connector Weight : 410 gr	**53A - 15 DG**
Flat connector Weight : 250 gr	**53A - 16 DG**



DG: to be used outdoors or indoors in humid atmosphere

Flat connectors 53 A

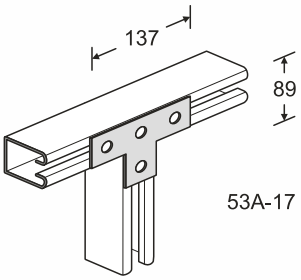
Hole : Ø 14
Width : 40 mm
Thks : 6 mm

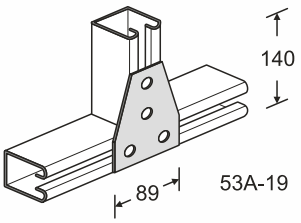
Hole spacing:

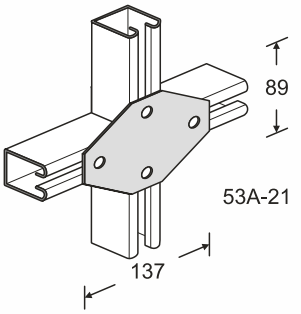
- on center : 48 mm
- from end : 21 mm

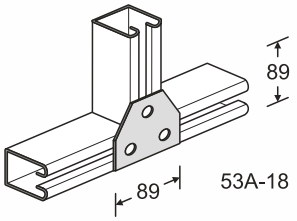
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

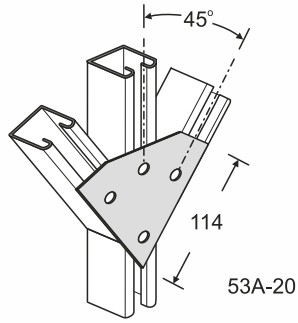
Designation	Part Nr.
Flat connector Weight : 360 gr	**53A - 17 DG**
Flat connector Weight : 360 gr	**53A - 18 DG**
Flat connector Weight : 505 gr	**53A - 19 DG**
Flat connector Weight : 490 gr	**53A - 20 DG**
Flat connector Weight : 435 gr	**53A - 21 DG**
Flat connector Weight : 750 gr	**53A - 22 DG**

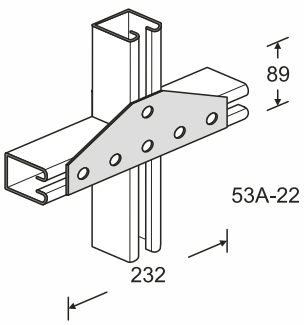












DG: to be used outdoors or indoors in humid atmosphere

Angled connectors 53 B

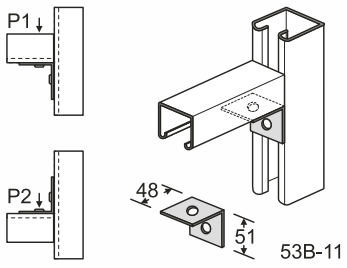
Hole : Ø 14
Width : 40 mm
Thks : 6 mm

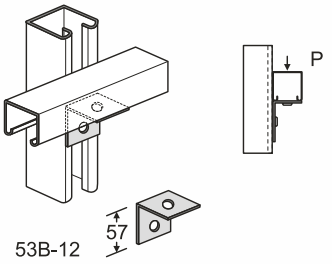
Hole spacing:

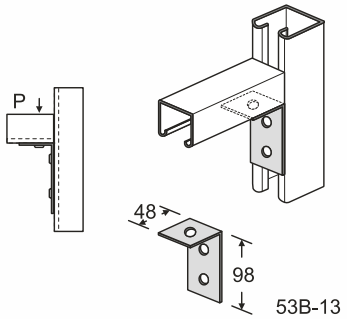
- on center : 48 mm
- from end : 21 mm

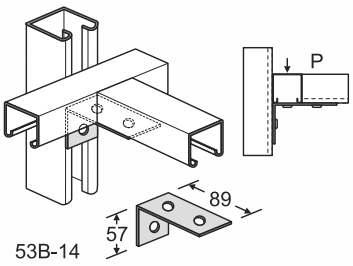
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

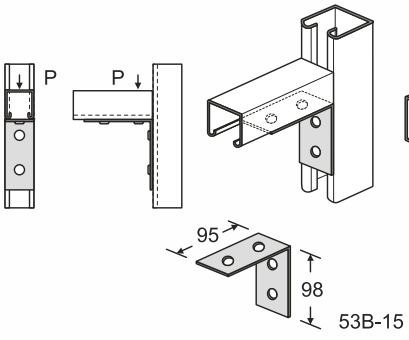
Designation	Part Nr.
Connector 90° Max load P1:651 KGF P2:450 KGF Weight : 160 gr	**53B - 11 DG**
Connector 90° Max load P1:320 KGF Weight : 160 gr	**53B - 12 DG**
Connector 90° Max load P1:880 KGF Weight : 240 gr	**53B - 13 DG**
Connector 90° Max load P1:320 KGF Weight : 240 gr	**53B - 14 DG**
Connector 90° Max load P1:880 KGF Weight : 390 gr	**53B - 15 DG**
Connector 90° Max load P1:320 KGF Weight : 325 gr	**53B - 16 DG**

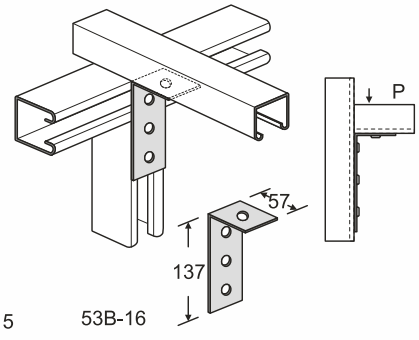












DG: to be used outdoors or indoors in humid atmosphere

Angled connectors 53 B

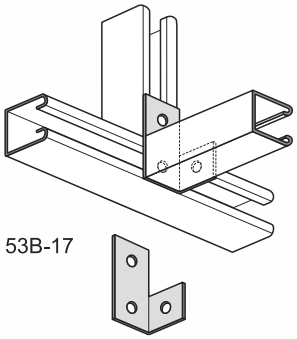
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

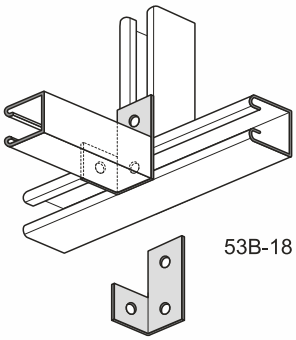
Hole : Ø 14
Width : 40 mm
Thks : 6 mm

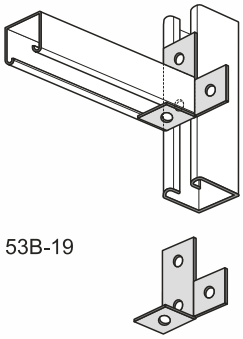
Hole spacing:

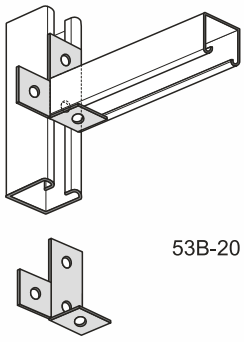
- on center : 48 mm
- from end : 21 mm

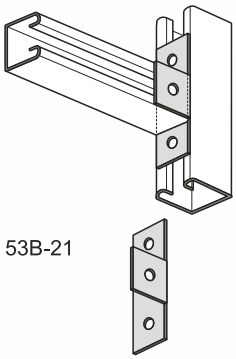
Designation	Part Nr.
Right hand L-corner connector Weight : 250 gr	**53B - 17 DG**
Left hand L-corner connectorF Weight : 250 gr	**53B - 18 DG**
Right hand TL-corner connector Weight : 350 gr	**53B - 19 DG**
Left hand T-corner connectorF Weight : 350 gr	**53B - 20 DG**
90° T connectorF Weight : 350 gr	**53B - 21 DG**
90° T connector Weight : 620 gr	**53B - 22 DG**

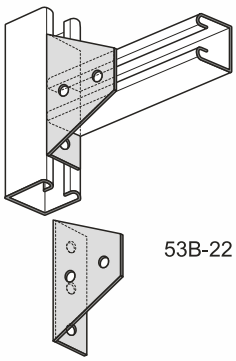

53B-17


53B-18


53B-19


53B-20


53B-21


53B-22

DG: to be used outdoors or indoors in humid atmosphere

Angled connectors 53 B

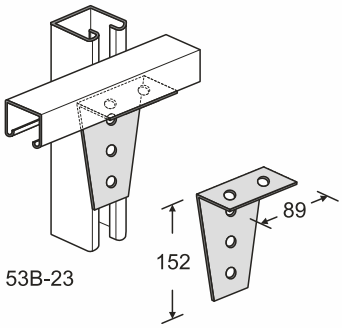
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

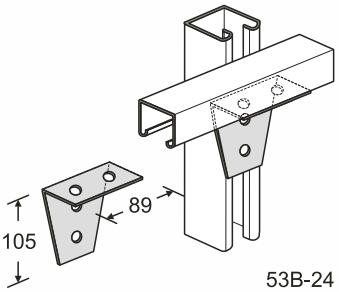
Hole : Ø 14
Width : 40 mm
Thks : 6 mm

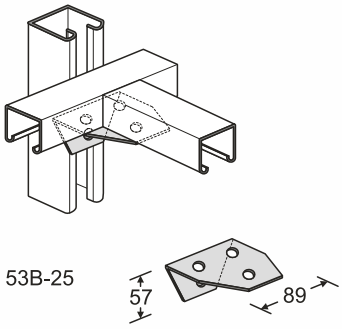
Hole spacing:

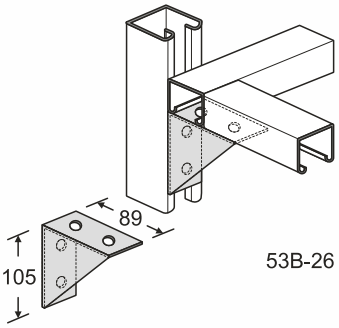
- on center : 48 mm
- from end : 21 mm

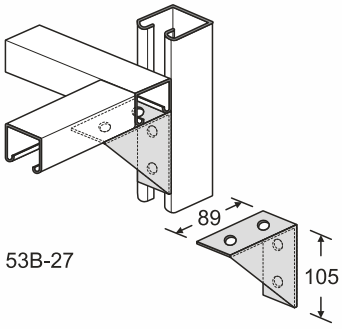
Designation	Part Nr.
90° connector Weight : 650 gr	**53B - 23 DG**
90° connector Weight : 445 gr	**53B - 24 DG**
90° connector Weight : 460 gr	**53B - 25 DG**
Right hand angle connector Weight : 570 gr	**53B - 26 DG**
Legt-hand connector Weight : 570 gr	**53B - 27 DG**
90° corner connector Weight : 325 gr	**53B - 28 DG**

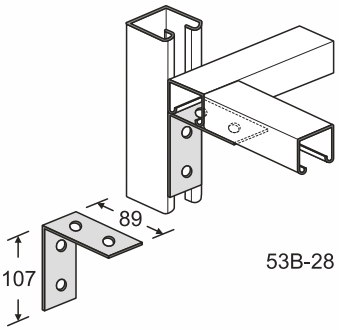












DG: to be used outdoors or indoors in humid atmosphere

Angled connectors 53 B

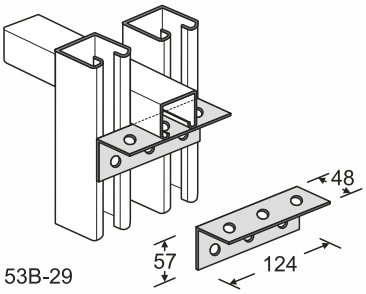
Hole : Ø 14
Width : 40 mm
Thks : 6 mm

Hole spacing:

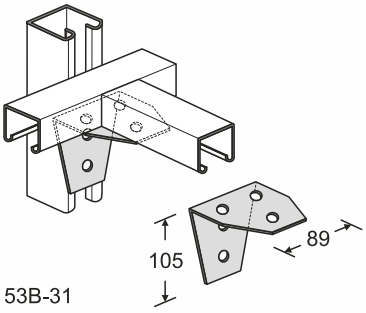
- on center : 48 mm
- from end : 21 mm

- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

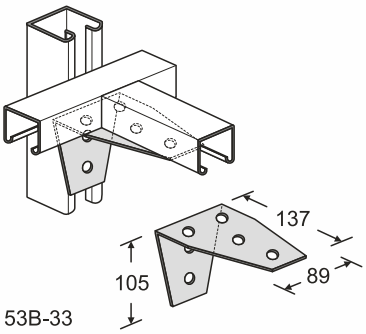
Designation	Part Nr.
90° connector Weight :500 gr	**53B - 29 DG**
90° connector Weight : 360 gr	**53B - 30 DG**
90° connector Weight : 620 gr	**53B - 31 DG**
90° connector Weight : 750 gr	**53B - 32 DG**
90° connector Weight : 760 gr	**53B - 33 DG**
90° connector Weight : 750 gr	**53B - 34 DG**



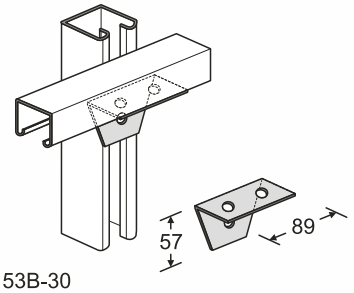
53B-29



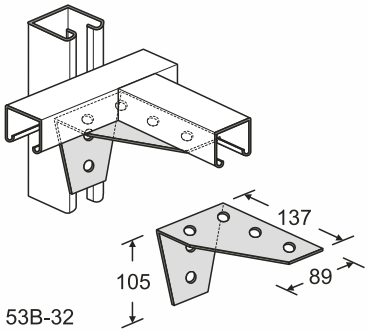
53B-31



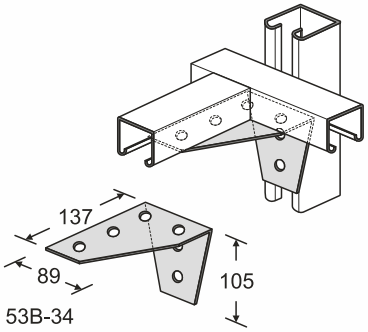
53B-33



53B-30



53B-32



53B-34

DG: to be used outdoors or indoors in humid atmosphere

Angled connectors 53 C

- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

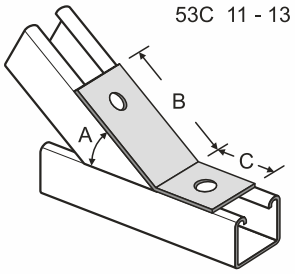
Hole : Ø 14
Width : 40 mm
Thks : 6 mm

Hole spacing:

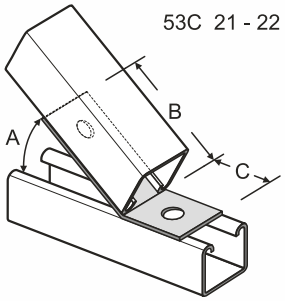
- on center : 48 mm
- from end : 21 mm

Designation	Part Nr.
Angle A B C 45 76 60 60 86 50 75 90 45 Weight : 250 gr	**53C - 11** **53C - 12** **53C - 13** **DG**
Angle A B C 15 83 52 30 84 52 Weight : 250 gr	**53C - 21** **53C - 22** **DG**
Angle A B C 45 80 90 60 70 90 75 65 90 Weight : 250 gr	**53C - 31** **53C - 32** **53C - 33** **DG**
Angle A B C 15 44 41 30 44 41 60 44 41 75 44 41 Weight : 160 gr	**53C - 41** **53C - 42** **53C - 43** **53C - 44** **53C - 45** **DG**
Angled connector Weight : 350 gr	**53C - 51** **DG**
Angled connector Weight : 350 gr	**53C - 52** **DG**

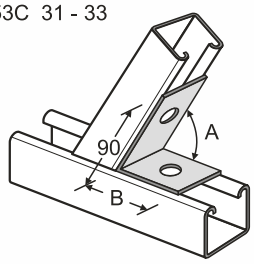
53C 11 - 13



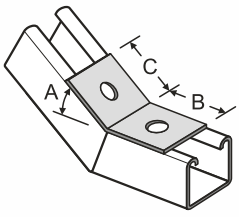
53C 21 - 22



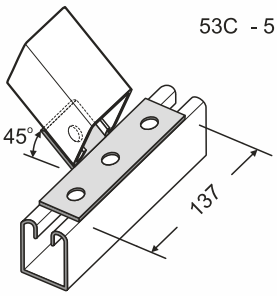
53C 31 - 33



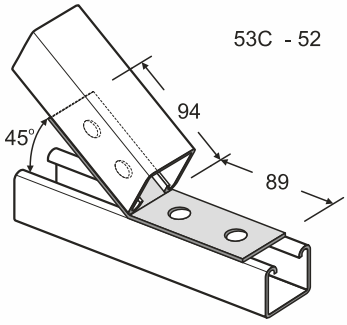
53C 41 - 45



53C - 51



53C - 52



DG: to be used outdoors or indoors in humid atmosphere

Angled U-Shape connectors 53 C

Hole : Ø 14
Width : 40 mm
Thks : 6 mm

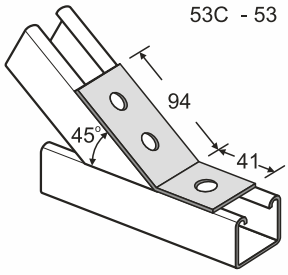
Hole spacing:

- on center : 48 mm
- from end : 21 mm

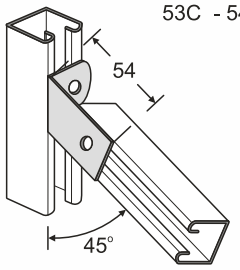
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

Designation	Part Nr.
Angled connector Weight : 320 gr	**53C - 53 DG**
Angled connector (left) Weight : 320 gr	**53C - 54 DG**
Angled connector (right) Weight : 320 gr	**53C - 55 DG**
U-shaped connector Weight : 300 gr	**53D - 11 DG**
U-shaped connectorF Weight : 360 gr	**53D - 12 DG**
U-shaped connector Weight : 540 gr	**53D - 13 DG**

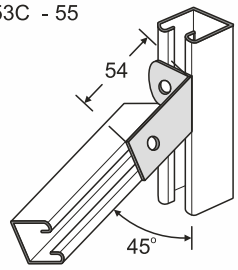
53C - 53



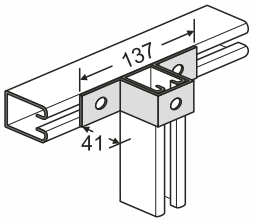
53C - 54



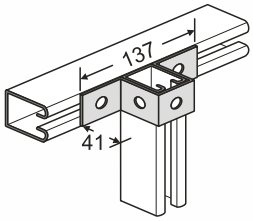
53C - 55



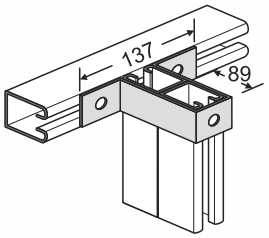
53D - 11



53D - 12



53D - 13



DG: to be used outdoors or indoors in humid atmosphere

Angled U-Shape connectors 53 D

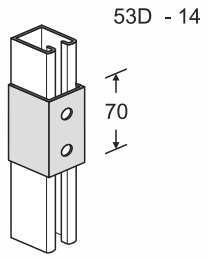
Hole : Ø 14
Width : 40 mm
Thks : 6 mm

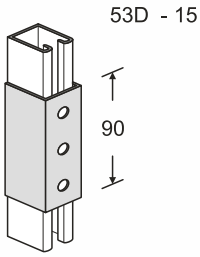
Hole spacing:

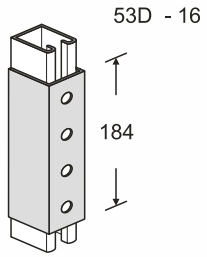
- on center : 48 mm
- from end : 21 mm

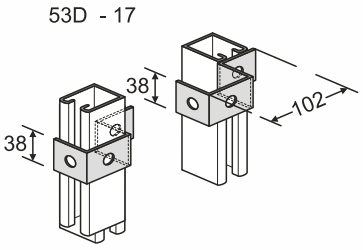
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

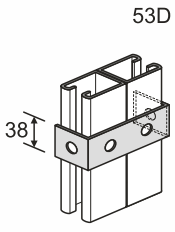
Designation	Part Nr.
U-shaped connector Weight : 440 gr	**53D - 14 DG**
U-shaped connector Weight : 710 gr	**53D - 15 DG**
U-shaped connector Weight : 1050 gr	**53D- 16 DG**
U-shaped connector Weight : 310 gr	**53D - 17 DG**
U-shaped connectorF Weight : 300 gr	**53D - 18 DG**
U-shaped connector Weight : 450 gr	**53D - 19 DG**

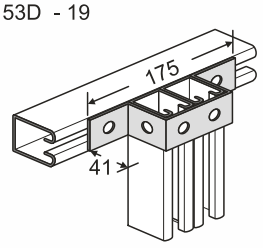












DG: to be used outdoors or indoors in humid atmosphere

"Z"-Shape connectors 53 E

Hole : Ø 14
Width : 40 mm
Thks : 6 mm

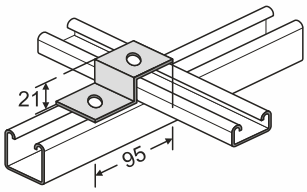
Hole spacing:

- on center : 48 mm
- from end : 21 mm

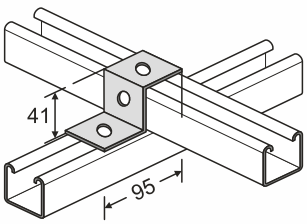
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

Designation	Part Nr.
Z connector Weight : 190 gr	**53E - 11 DG**
Z connector Weight : 230 gr	**53E - 12 DG**
Z connector Weight : 300 gr	**53E - 13 DG**
Z connector Weight : 280 gr	**53E - 14 DG**
2-Lung Wingc bracket Weight : 680 gr	**53E - 15 DG**
2-Lung Wingc bracket Weight : 780 gr	**53E - 16 DG**

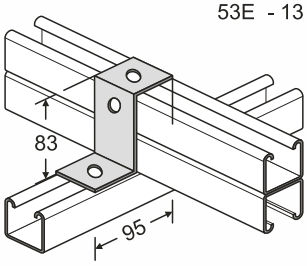
53E - 11



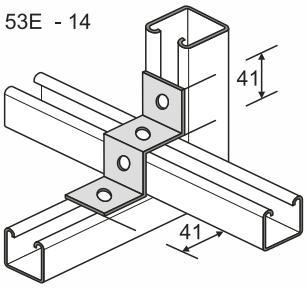
53E - 12



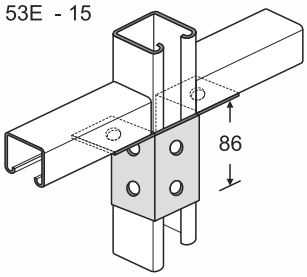
53E - 13



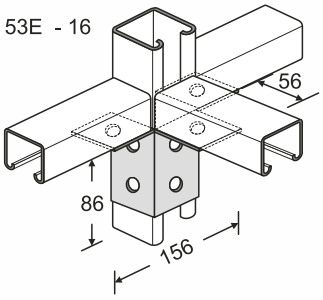
53E - 14



53E - 15



53E - 16



DG: to be used outdoors or indoors in humid atmosphere

Beam clamps 53 F

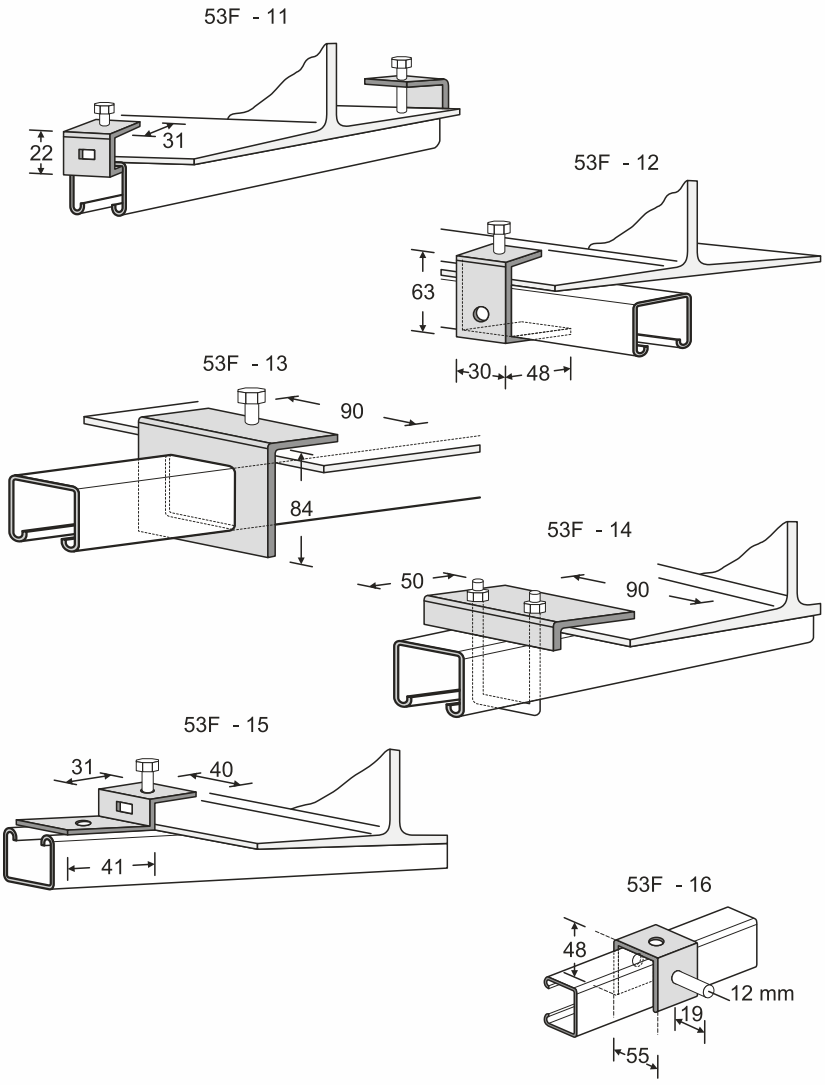
Hole : Ø 14
Width : 40 mm
Thks : 6 mm

Hole spacing:

- on center : 48 mm
- from end : 21 mm

- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

Designation	Part Nr.
Beam clamp Weight : 140 gr	**53F - 11 DG**
Beam clamp Weight : 250 gr	**53F - 12 DG**
Beam clamp Weight : 480 gr	**53F - 13 DG**
Beam clamp Weight : 240 gr	**53F - 14 DG**
2-Lung Wing Beam clamp Weight : 250 gr	**53F - 15 DG**
Stud fitting Weight : 270 gr	**53F - 16 DG**



DG: to be used outdoors or indoors in humid atmosphere

Channel base plates 53 F

Hole : Ø 14
Width : 40 mm
Thks : 6 mm

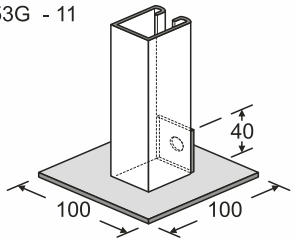
Hole spacing:

- on center : 48 mm
- from end : 21 mm

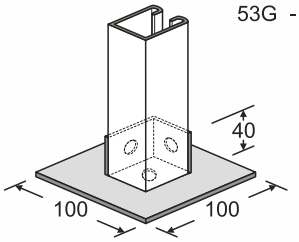
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**

Designation	Part Nr.
Single channel base plate Weight : 370 gr	**53G - 11 DG**
Single channel base plate Weight : 510 gr	**53G - 12 DG**
Single channel base plate Weight : 730 gr	**53G - 13 DG**
Double channel base plate Weight : 1070 gr	**53G - 14 DG**
Single channel base plate Weight : 3400 gr	**53G - 15 DG**
Double channel base plate Weight : 3900 gr	**53G - 16 DG**

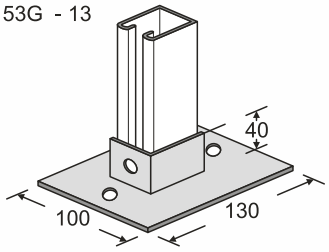
53G - 11



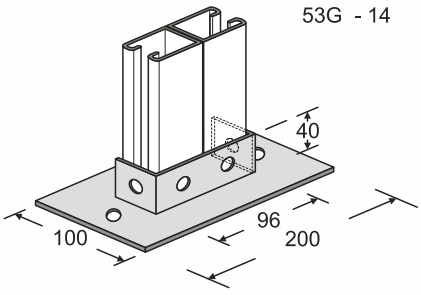
53G - 12



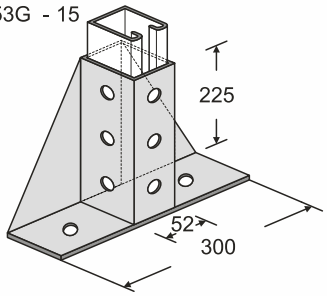
53G - 13



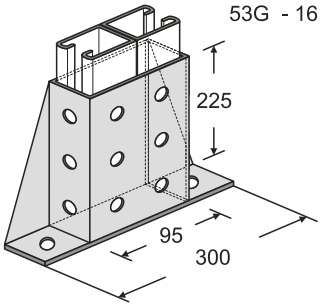
53G - 14



53G - 15



53G - 16



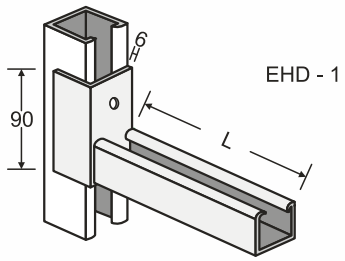
DG: to be used outdoors or indoors in humid atmosphere

Brackets 10 EHD

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)

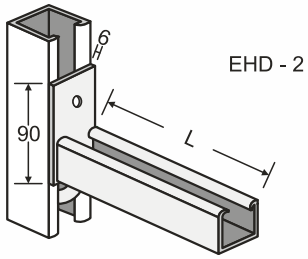
Brackets EHD - 1

Part Nr.	Size a(mm)	Adms load KG	Weight KG/p
10 EHD1-15.DG 10 EHD1-20.DG	150 200	650 600	
10 EHD1-30.DG 10 EHD1-40.DG	300 400	400 300	
10 EHD1-50.DG 10 EHD1-60.DG	500 600	240 200	



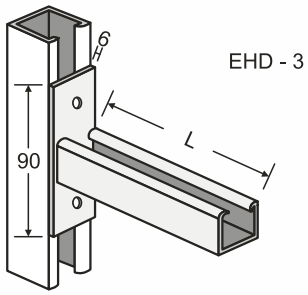
Brackets EHD - 2

Part Nr.	Size a(mm)	Adms load KG	Weight KG/p
10 EHD2-15.DG 10 EHD2-20.DG	150 200	650 600	
10 EHD2-30.DG 10 EHD2-40.DG	300 400	400 300	
10 EHD2-50.DG 10 EHD2-60.DG	500 600	240 200	



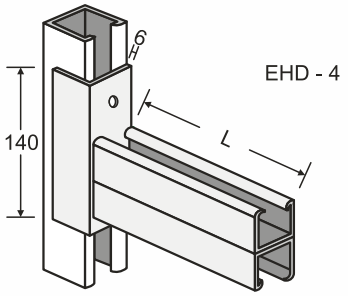
Brackets EHD - 3

Part Nr.	Size a(mm)	Adms load KG	Weight KG/p
10 EHD3-15.DG 10 EHD3-20.DG	150 200	650 600	
10 EHD3-30.DG 10 EHD3-40.DG	300 400	400 300	
10 EHD3-50.DG 10 EHD3-60.DG	500 600	240 200	



Brackets EHD - 4

Part Nr.	Size a(mm)	Adms load KG	Weight KG/p
10 EHD4-15.DG 10 EHD4-20.DG	150 200	650 650	
10 EHD4-30.DG 10 EHD4-40.DG	300 400	650 550	
10 EHD4-50.DG 10 EHD4-60.DG	500 600	440 360	

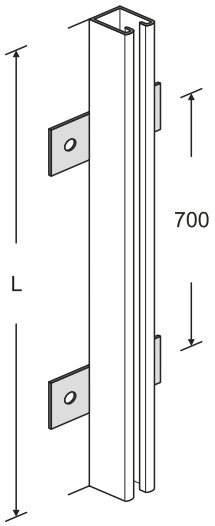


DG: to be used outdoors or indoors in humid atmosphere

Wall & celling supports 54

Wall fastening support 54 C1

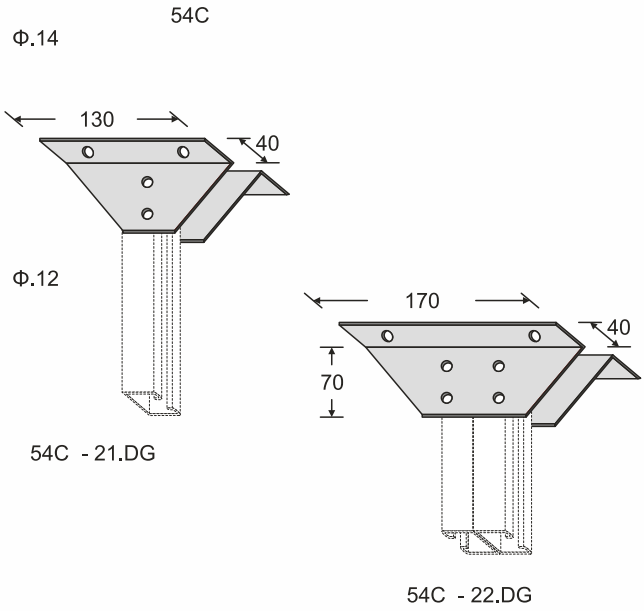
- Wall fastening support is composed of a 50A channel to which 2,3 or 4 fixing strips are welded. Dimensions of strips are 120X50mm. Hole diameter is 14mm.
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**



Part Nr.	Length L (mm)	Nr of strips	Weight KG/p
54C1-H2/70.DG	700	2	
54C1-H2/135.DG	1350	3	
54C1-H2/200.DG	2000	4	

Hanging support 54 C2

- Hanging supports are delivered in pairs and can be used for hanging a single (50A) or multiple (51A21) channel from the ceiling.
- **made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)**



Part Nr.	Weight KG/p
54C-21.DG	
54C-22.DG	

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

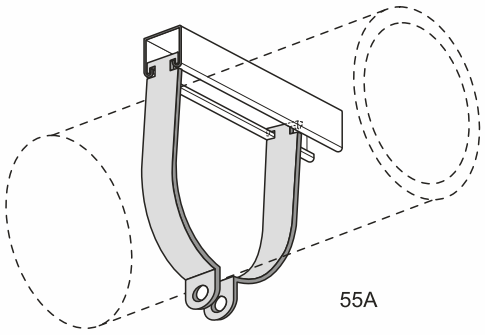
Pipe supports 55 A

Size	Out. pipe dia (mm) from - to	Part Nr. PG	Part Nr. DGp
3/4″	26 - 30	55A-11.PG	55A-11.DG
1″	31 - 38	55A-12.PG	55A-12.DG
1 1/4″	40 - 47	55A-13.PG	55A-13.DG
1 1/2″	46 - 52	55A-14.PG	55A-14.DG
57 mm	54 - 60	55A-15.PG	55A-15.DG
2″	58 - 63	55A-16.PG	55A-16.DG
70 mm	65 - 71	55A-17.PG	55A-17.DG
2 1/2″	72 - 80	55A-18.PG	55A-18.DG
83 mm	82 - 86	55A-19.PG	55A-19.DG
3 mm	86 - 90	55A-20.PG	55A-20.DG
102 mm	99 - 103	55A-21.PG	55A-21.DG
110 mm	108 - 112	55A-22.PG	55A-22.DG
4″	110 - 115	55A-23.PG	55A-23.DG
125 mm	123 - 129	55A-24.PG	55A-24.DG
135 mm	133 - 137	55A-25.PG	55A-25.DG
5″	137 - 140	55A-26.PG	55A-26.DG
160 mm	159 - 162	55A-27.PG	55A-27.DG
6″	164 - 168	55A-28.PG	55A-28.DG
212 mm	208 - 214	55A-29.PG	55A-29.DG
219 mm	217 - 224	55A-30.PG	55A-30.DG

- made of galvanized sheet steel acc. to DIN 10142

or

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



55A

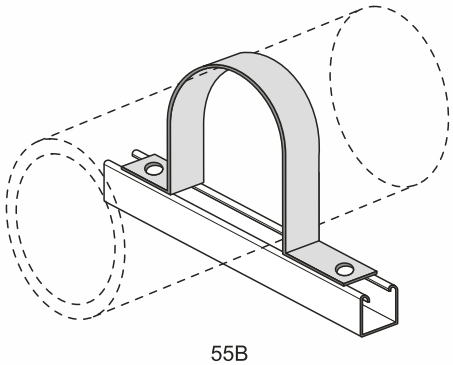
Pipe supports 55 B

Size	Out. pipe dia (mm) from - to	Part Nr. PG	Part Nr. DGp
3/4″	26 - 30	55B-11.PG	55B-11.DG
1″	31 - 38	55B-12.PG	55B-12.DG
1 1/4″	40 - 47	55B-13.PG	55B-13.DG
1 1/2″	46 - 52	55B-14.PG	55B-14.DG
57 mm	54 - 60	55B-15.PG	55B-15.DG
2″	58 - 63	55B-16.PG	55B-16.DG
70 mm	65 - 71	55B-17.PG	55B-17.DG
2 1/2″	72 - 80	55B-18.PG	55B-18.DG
83 mm	82 - 86	55B-19.PG	55B-19.DG
3 mm	86 - 90	55B-20.PG	55B-20.DG
102 mm	99 - 103	55B-21.PG	55B-21.DG
110 mm	108 - 112	55B-22.PG	55B-22.DG
4″	110 - 115	55B-23.PG	55B-23.DG
125 mm	123 - 129	55B-24.PG	55B-24.DG
135 mm	133 - 137	55B-25.PG	55B-25.DG
5″	137 - 140	55B-26.PG	55B-26.DG
160 mm	159 - 162	55B-27.PG	55B-27.DG
6″	164 - 168	55B-28.PG	55B-28.DG
212 mm	208 - 214	55B-29.PG	55B-29.DG
219 mm	217 - 224	55B-30.PG	55B-30.DG

- made of galvanized sheet steel acc. to DIN 10142

or

- made of metal sheet hot dip galvanized acc. to EN ISO 1461 after manufacture (DG)



55B

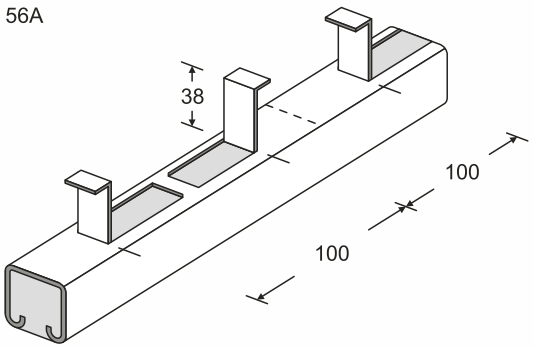
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Concrete inserts 56

- Concrete inserts are manufactured from standard channel sections (50A or 50C) but carry specially formed wings along back side. They can also be installed into concrete areas.
- They are delivered prefilled with expanded plastic foam. This is to prevent the ingress of cement.
- Standard leangth : 2 m
- **Made of galvanized sheet steel acc. to DIN EN 10142 or made of metal sheet hot-dip galvanized acc. to EN ISO 1461, after manufacture (DG).**

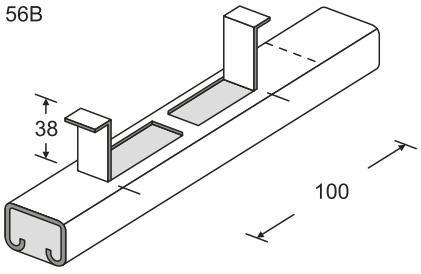
Concrete inserts 56 A



Part Nr.	Dimmensions (mm)	Weight KG/p
56A.PG **56B.PG**	41x41 41x21	

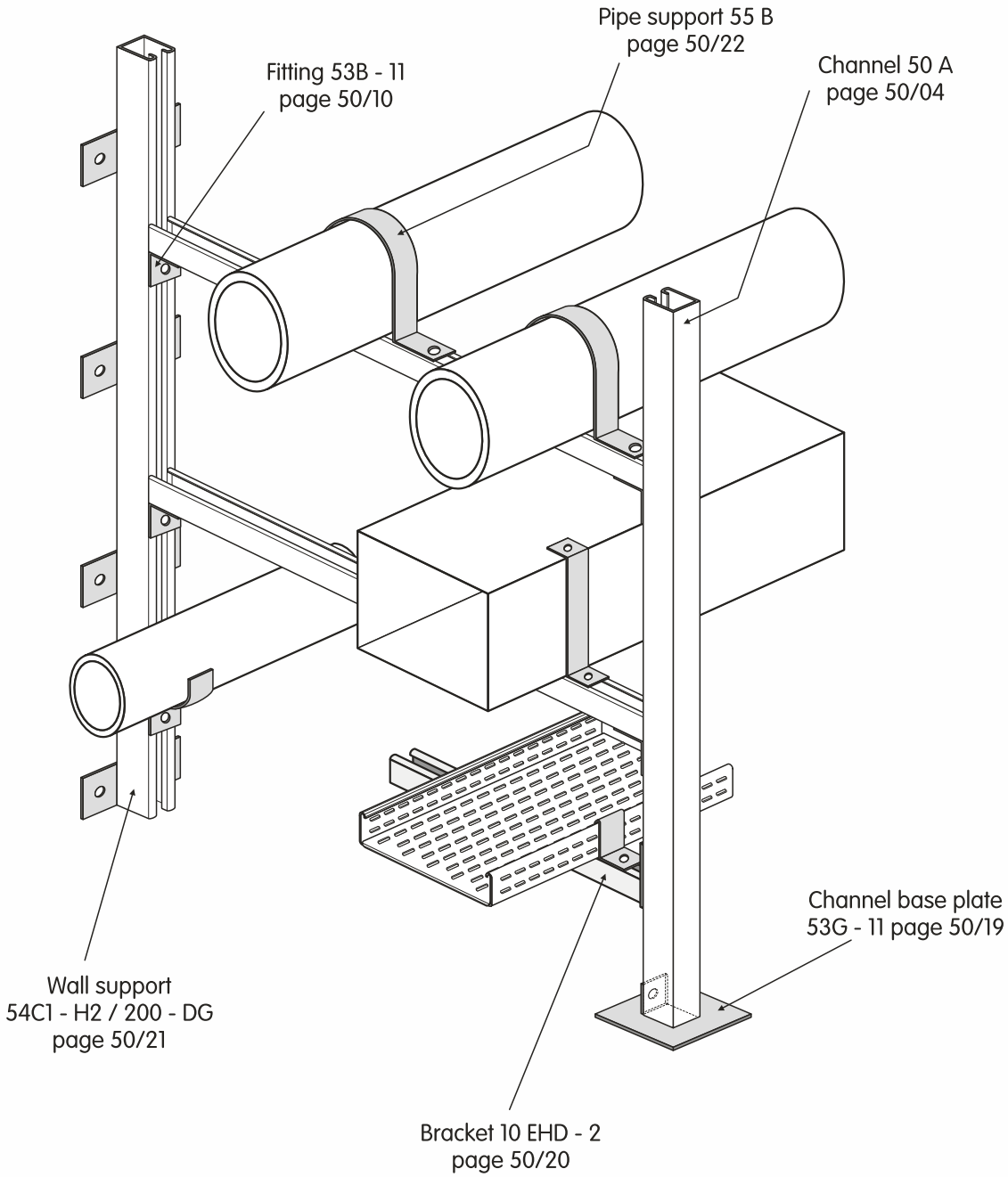
56A.DG **56B.DG**	41x41 41x21	

Concrete inserts 56 B

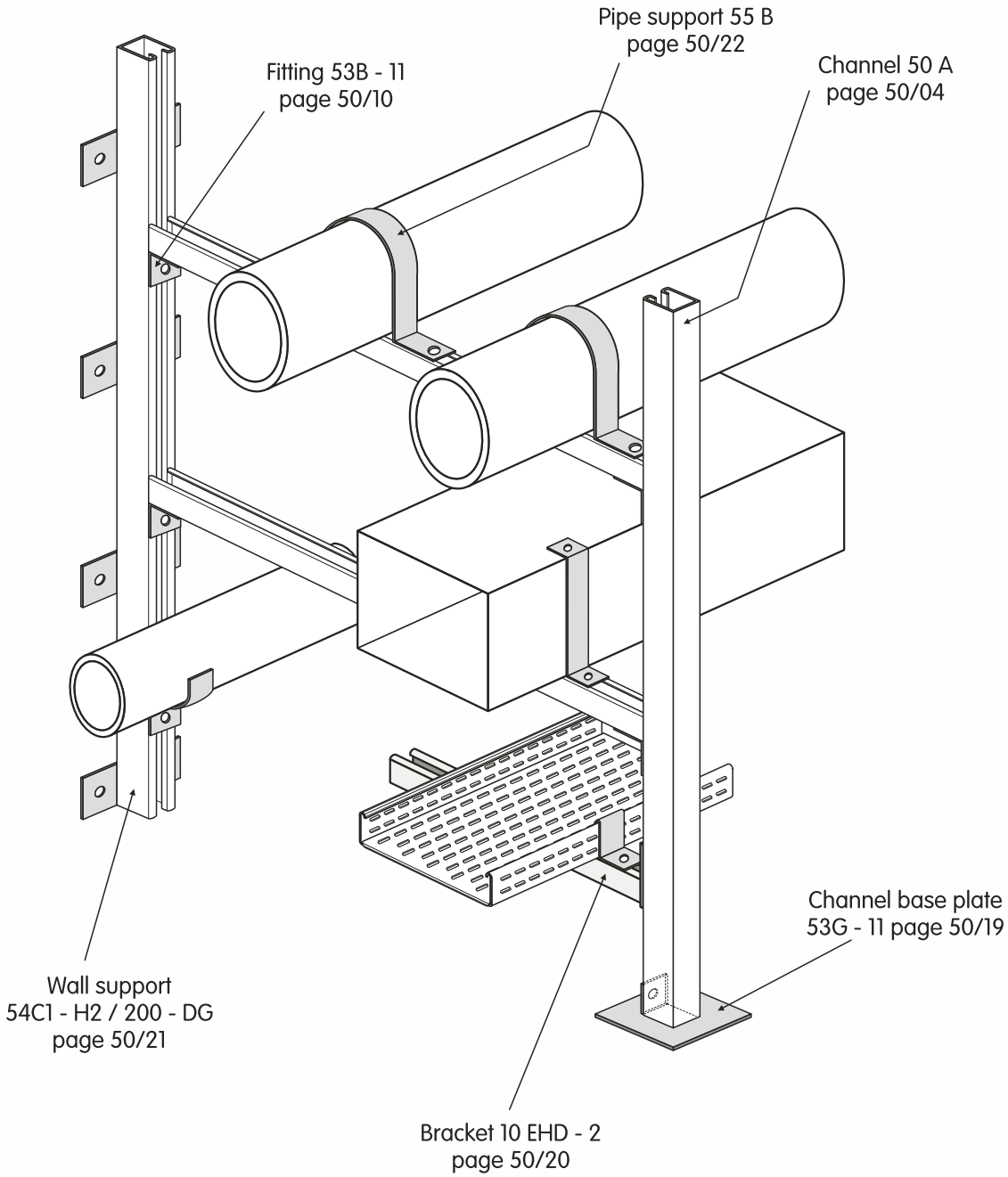


from 50 C channel
41x21mm

Application of the ELVORACK system

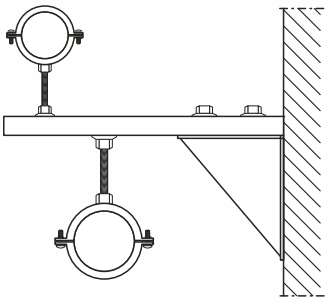


Application of the ELVORACK system



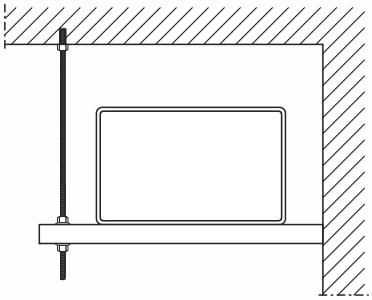
System Description

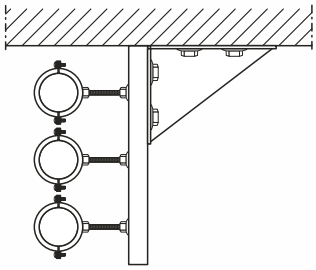
ELVONET is an assembly system which utilizes standard components for supporting pipework from walls or roofs quickly and efficiently.



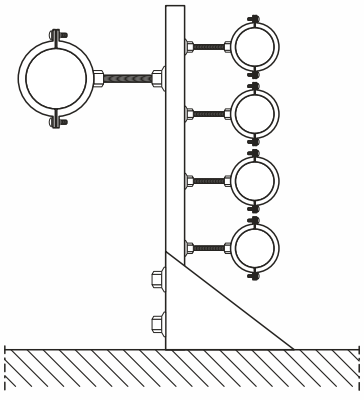
Advantages of **ELVONET** system:

- simplifies and facilitates the design of installations.
- enables the resolution of support problems on site, rendering useless the assembly drawings.
- reduces assembly time to minimum abolishing the drilling and welding jobs. This (time saved in manhours) is the biggest advantage of the system.
- can optionally utilize vibration elements which reduce the sound level to 30 dB complying with DIN 4109 "noise originating from mechanical installations in buildings".
- has the potential to adjust in height of each pipe clamp individually, making the system perfect for steam and heating installations.
- allows the usage of special expansions elements which eliminate the build up of tension in the piping system from expansion or contraction of the pipes.





Some applications of the system for overhang support, side support and ground support, are shown along side.



The basic elements of which the system consists are:

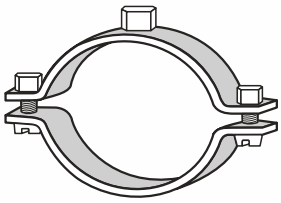
1. Pipe clamps.
2. Anti-ribration and anti-expansion elements.
3. Support channels and accessories.
4. Cantilever brackets and support plates.

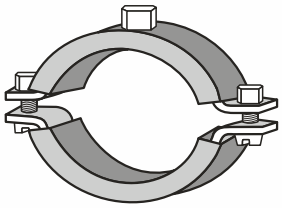
Pipe - clamps

- Pipe clamps are the main component of the system. They are available in diameters of ½ " up to 10". On the top of the pipe clamp is welded on, a connecting nut of either M8, 10 or M12 size. On this nut bolts the connecting threaded pin or rod which is supported by the channel profile.

- The pipe clamps are manufactured and delivered in two versions:
  a) without lining (sound insulator).
  b) lined (with sound insulator).

- The lining (sound insulator) adsorbs the vibrations of the pipes and consequently the noises originating from them. This way the high noise reduction requirements of DIN 4109 can be met.
  In adittion the sound insulator provides frictionless roll movement of the pipe due to expansion, that way preventing, the build up stress or shearing forces at the fastening point.


without lining

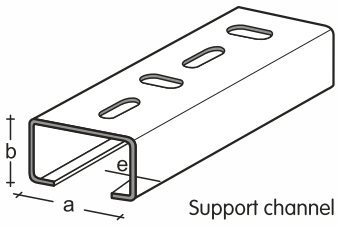

lined, with sound insulator

Support channels and accessories

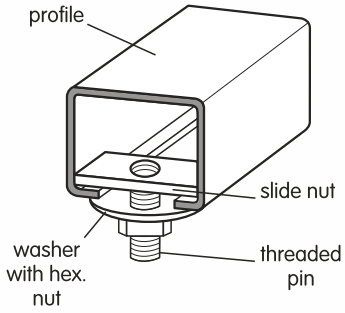
- The support channels of **ELVONET** system can be mounted on the wall, the ceiling or on the ground. By means of the slide nut, a washer, a hexagonal nut and a threaded pin they are connected to the pipe clamps.

- The back of the channel is slotted with a pattern of longitudinal and transversal perforation to enable aligning, making mounting easier.

- Support channels can be chosen out of the six different versions, according to the loading conditions. All channels profiles are manufactured of dip-hot galvanized steel sheets compling with DIN EN 10142 or after demand can be delivered with hot dip galvanization after manufacturing according to DIN 50976 (DG).



Support channel



Corresponding pipe sizes and pipe clamps

Pipe clamp size	Accommodated Dia		Galvanized steel pipes DIN 2440 mm	Steel pipes DIN 2448 mm	Copper tubes DIN 1786 & 1754 mm	PVC drai nage tubes mm	steel drai nage pipes DIN 19500 mm	GEBERIT drainage pipes mm	Cast-iron drainage pipes mm
	Lined mm	Unlined mm							
3/8″	14-18	14-20	17,2	16	15-18				
1/2″	20-25	20-26	21,3	20	22				
3/4″	26-30	25-32	26,9	25-30	28				
1″	31-38	32-39	33,7	31,8	35	32		32	
1 1/4″	40-47	40-47	42,4	42	42	40		40	
1 1/2″	46-52	48-54	48,0	51	48	50			
57		54-60		57	54		60		58
2″	58-63	57-64	60,3	63,5				63	
70	65-71	68-72		70	68-70				
2 1/2″	72-80	72-80	76,1	76	75	75	80	70	78
83		82-86			85			80	
3″	81-90	88-92	88,9	89	88,9			90	
102		99-103		101,6	100				
110		108-112		108	108	110	112	110	110
4″	110-115	112-118	114,3		114				
125		125-130		127	125	125		125	
133		133-137		133			137		135
5″	135-140	137-142	139,7					140	
160		159-162		159	160	160	162		160
6″	161-167	164-168	165,1					160	
212		208-214					212		210
219		217-224		219,1					

Nominal sizes - outside diameters and weight of commonly used type pipes

Outside dia. mm	Weight of pipe Kg/m	Weight of pipe filled with water Kg/m
Galvanized steel pipes DIN 2440)		
13,5	0,68	0,74
17,2	0,89	1,01
21,3	1,27	1,47
26,9	1,65	2,01
33,7	2,55	3,13
42,4	3,28	4,29
48,3	3,77	5,14
60,3	5,33	7,053
76,1	6,80	10,51
88,9	8,85	13,97
114,3	12,60	21,30
139,7	16,90	30,16
165,1	20,10	39,05
Waste pipe PE PE (Geberit)		
32	0,27	0,80
40	0,34	1,25
50	0,44	1,96
56	0,50	2,46
63	0,56	3,11
75	0,67	4,41
90	0,95	6,36
110	1,43	9,50
125	1,81	12,27
140	2,28	15,39
160	3,00	20,10
200	3,83	31,45
250	6,01	49,15
Waste pipe PVC hard		
50	0,24	1,28
63	0,30	1,99
75	0,49	3,39
110	1,02	8,00
125	1,35	12,43
160	2,15	18,03

Outside dia. mm	Weight of pipe Kg/m	Weight of pipe filled with water Kg/m
Steel pipe DIN 2448 (thin walled)		
13,5	0,52	0,59
16,0	0,63	0,75
17,2	0,68	0,83
20,0	0,89	1,09
21,3	0,96	1,19
25,0	1,13	1,47
26,9	1,41	1,80
30,0	1,77	2,25
21,8	1,88	2,43
33,7	2,01	2,64
38,0	2,29	3,13
42,4	2,57	3,65
44,5	2,70	3,91
48,3	2,95	4,40
51,0	3,12	4,76
57,0	3,90	5,95
60,3	4,14	6,47
63,5	4,36	6.97
70,0	4,83	8,06
76,1	5,28	9,16
82,5	6,31	10,85
88,9	6,81	12,15
101,6	8,76	15,75
108,0	9,33	17,30
114,3	9,90	18,90
121,0	11,50	21,53
127,0	12,20	23,31
133,0	12,80	25,06
139,7	13,50	27,11
152,4	16,40	32,54
159,0	17,10	34,76
165,1	17,80	36,92
168,3	18,10	38,02
177,8	21,30	43,40
191,0	24,70	50,20
193,7	25,00	51,26
216,0	31,10	63,80
219,1	31,00	64,73
244,5	37,10	79,31
267,0	40,60	91,40

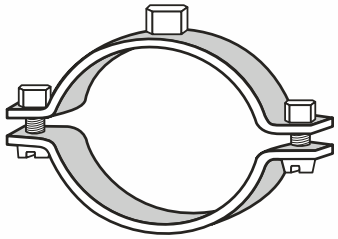
Outside dia. mm	Weight of pipe Kg/m	Weight of pipe filled with water Kg/m
Copper pipe DIN 1786 &1754		
10	0,25	0,30
12	0,30	0,38
15	0,39	0,52
18	0,47	0,67
22	0,58	0,90
28	1,11	1,60
35	1,41	2,21
42	1,70	2,89
54	2,91	4,87
64	3,47	6,29
70	3,80	7,21
74	4,03	7,87
80	4,36	8,89
104	5,70	13,55
425	10,20	21,31
131	10,70	22,96
Waste pipe SML & ML (cast-iron)		
58	4,30	6,40
78	5,90	9,90
110	8,40	17,70
135	11,80	24,50
160	14,10	32,30
210	23,10	54,60
Waste pipe DIN 19500 (cast-iron)		
60	5,30	7,50
80	7,10	11,28
112	10,30	18,79
137	13,70	26,76
162	17,30	35,43
212	32,70	64,10

Pipe clamps without Lining

Range AV

- without sound insulating lining
- zinc plated according to DIN 50961 (EG indication)

Pipe clamp size	Part Nr.	Pipe outside diam. (mm)	Size Bolts	Clamps dimensions (mm)	Top Nut
1/2"	**61AV-08.11**	18-23	M5	20X1,5	M8
Φ 25mm	**61AV-08.115**	24-26	M5	20X1,5	M8
1"	**61AV-08.13**	32-37	M5	20X1,5	M8
1 1/4"	**61AV-08.14**	39-44	M5	20X1,5	M8
1 1/2"	**61AV-08.15**	45-64	M5	20X1,5	M8
2"	**61AV-08.17**	54-61	M5	20X1,5	M8
Φ 65mm	**61AV-08.175**	62-67	M6	20X1,5	M8
Φ 70mm	**61AV-08.18**	67-75	M6	20X1,5	M8
2 1/2"	**61AV-08.19**	75-82	M6	25X2,0	M10
3"	**61AV-08.21**	83-89	M6	25X2,0	M10
Φ 95mm	**61AV-08.215**	90-98	M6	25X2,0	M10
Φ 102mm	**61AV-08.22**	94-102	M6	25X2,0	M10
Φ 105mm	**61AV-08.23**	104-109	M6	25X2,0	M10
4"	**61AV-08.24**	110-117	M6	25X2,0	M10
Φ 125mm	**61AV-08.25**	118-127	M6	20X2,5	M10
Φ 130mm	**61AV-08.26**	129-136	M6	20X2,5	M10
5 "	**61AV-08.27**	137-143	M6	25X2,5	M10
Φ 150mm	**61AV-08.28**	144-153	M6	25X2,5	M10
6"	**61AV-08.29**	159-167	M6	25X2,5	M10
Φ 172mm	**61AV-08.30**	168-179	M6	25X2,5	M10
8"	**61AV-08.31**	218-226	M6	25X2,5	M10



without lining

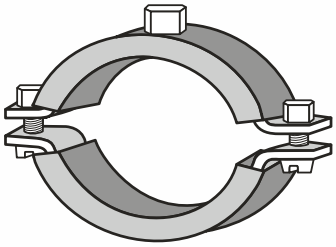
Size	Breaking Load (kN)	Rec. Load (kN)
1/2" - 1 1/4"	**3.90**	1.30
1 1/2" - 74	**4.80**	1.60
2 1/2" - 4	**6.90**	2.30
118-226	**7.80**	2.60

Pipe clamps with sound insulating Lining

Range AZ

- **lined** with sound insulating lining
- zinc plated according to DIN 50961 (EG indication)

Pipe clamp size	Part Nr.	Pipe outside diam. (mm)	Size Bolts	Clamps dimensions (mm)	Top Nut
1/8"	**61AZ-08.08**	8-11	M5	20X1,5	M8
1/4"	**61AZ-08.09**	11-15	M5	20X1,5	M8
3/8"	**61AZ-08.10**	16-20	M5	20X1,5	M8
1/2"	**61AZ-08.11**	20-24	M5	20X1,5	M8
3/4"	**61AZ-08.12**	25-28	M5	20X1,5	M8
1"	**61AZ-08.13**	32-35	M5	20X1,5	M8
1 1/4"	**61AZ-08.14**	39-46	M5	20X1,5	M8
1 1/2"	**61AZ-08.15**	48-53	M6	20X1,5	M8
Φ 57mm	**61AZ-08.16**	54-58	M6	20X1,5	M8
2"	**61AZ-08.17**	59-66	M6	20X1,5	M8
Φ 70mm	**61AZ-08.18**	67-73	M6	20X1,5	M8
2 1/2"	**61AZ-08.19**	74-80	M6	25X2,0	M10
Φ 80mm	**61AZ-08.20**	81-86	M6	25X2,0	M10
3"	**61AZ-08.21**	87-94	M6	25X2,0	M10
Φ 95mm	**61AZ-08.22**	95-98	M6	25X2,0	M10
Φ 102mm	**61AZ-08.23**	99-108	M6	25X2,0	M10
4"	**61AZ-08.24**	110-116	M6	25X2,0	M10
Φ 125mm	**61AZ-08.25**	117-136	M6	25X2,0	M10
Φ 130mm	**61AZ-08.26**	129-134	M6	25X2,0	M10
5"	**61AZ-08.27**	135-143	M6	25X2,0	M10
Φ 155mm	**61AZ-08.28**	149-161	M6	25X2,0	M10
6".	**61AZ-08.29**	162-170	M6	25X2,0	M10
8"	**61AZ-08.30**	207-219	M6	25X2,0	M10

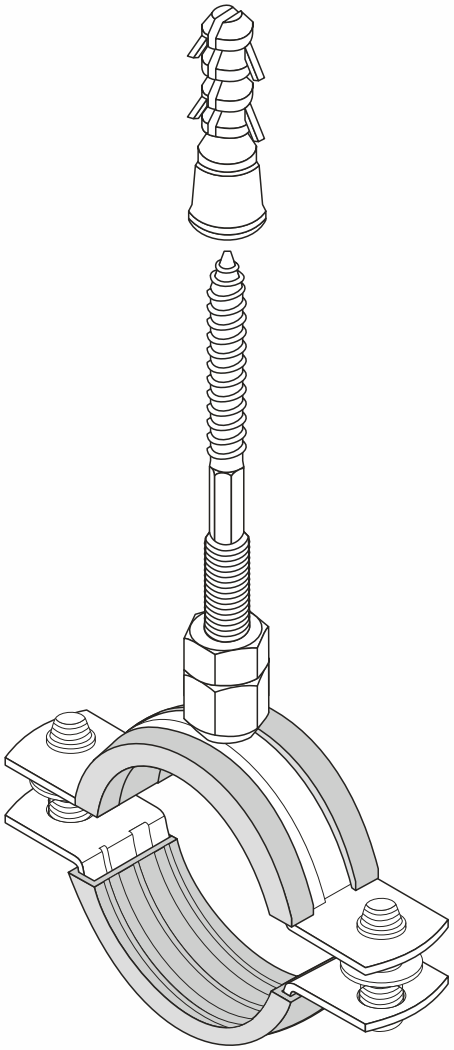


lined, with sound insulator

Size	Breaking Load (kN)	Rec. Load (kN)
1/8" - 1"	3.90	1.30
1 1/4" - 2"	4.80	1.60
67-108	6.90	2.30
4"-8"	7.80	2.60

pipe clamps with rabber profile & bolt screw

Range BV

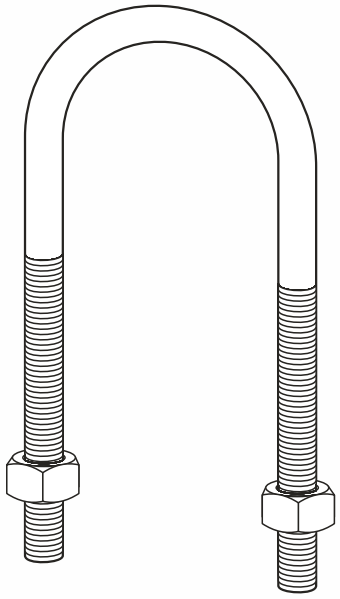


Pipe clamp size	Part Nr.	Pipe outside diam. (mm)	Size Bolts	Clamps dimensions (mm)
1/2"	**61BV-08.11**	20-24	M5	20X1,5
3/4"	**61BV-08.12**	25-30	M5	20X1,5
1"	**61BV-08.13**	32-38	M5	20X1,5
1 1/4"	**61BV-08.14**	39-46	M5	20X1,5
1 1/2"	**61BV-08.15**	48-53	M6	20X1,5
2"	**61BV-08.17**	59-66	M6	20X1,5
2 1/2"	**61BV-08.19**	74-80	M8	25X2

Size	Breaking Load (kN)	Rec. Load (kN)
1/8" - 1"	3.90	1.30
1 1/4" - 2"	4.80	1.60
67-2 1/2"	6.90	2.30

U - bolts

Part Nr.	Size	Diam. (mm)	M (mm)
61D-01	1/2"	22	6
61D-02	3/4"	28	6
61D-03	1"	35	8
61D-04	1 1/4"	40	8
61D-05	1 1/2"	48	8
61D-06	2"	60	10
61D-07	2 1/2"	76	10
61D-08	3"	89	12
61D-09	4"	125	12
61D-10	5"	140	12
61D-11	6"	166	16
61D-12	8"	220	16

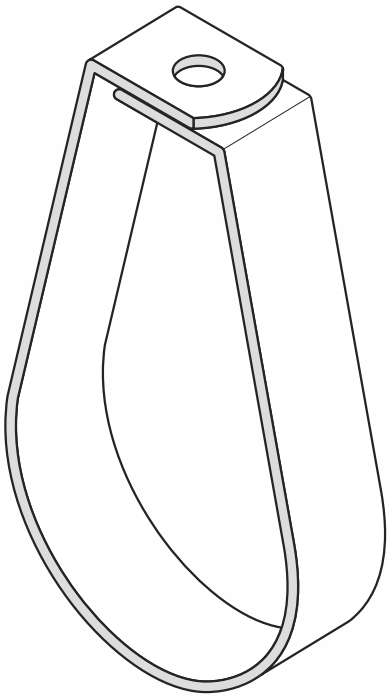


- **Electro plated acc.** to DIN 50976

Size	Breaking Load (kN)	Rec. Load (kN)
1/2" - 1 1/4"	900 kg	300 kg
1 1/2" - 6"	1300 kg	430 kg

Pipe clamp for sprinkler installation

Part Nr.	Size	Dia (mm)	Hole (mm)	Clamp dimensions (mm)
61E-01	3/4"	30	10,5	25X2
61E-02	1"	36	10,5	25X2
61E-03	1 1/4"	46	10,5	25X2
61E-04	1 1/2"	52	10,5	25X2
61E-05	2"	66	10,5	25X2
61E-06	2 1/2"	78	10,5	25X2,5
61E-07	3"	92	10,5	25X2,5
61E-08	4"	116	10,5	25X2,5
61E-09	5"	142	13,0	25X3
61E-10	6"	170	13,0	25X3
61E-11	8"	222	17,0	25X3



- **Electro plated acc.** to DIN 50976

Size	Breaking Load (kN)	Rec. Load (kN)
3/8"-2"	1350 kg	450 kg
2 1/2" - 4"	2200 kg	733 kg
133mm-6"	2600 kg	866 kg
168mm-219mm	4000 kg	1333 kg

Noise Reduction

There is a constantly growing demand for quieter buildings, set formaly by international standards.

The latest DIN edition 4109 limits the maximum sound level to 30 dB for noises originating from mechanical installations. It is the responsibility of the consulant and mechanical engineer to comply with these standards.

ELVAN responding to this demand created a type of rubber sound insulator which achives a high degree of noise reduction, from pipes, ducts and their supports to the building. Transmision of structure born noises is influenced by a variety of factors such as:

a) the depth of the anchor masonry

b) the distance between supports,

c) the distance of the noise agent from the ceiling of the walls and many others.

The most important application of the rubber sound insulator is on the pipe clamps since through them the transmission of water hammer, water flow and pipe expansions noises is occuring.

The Elvonet sound insulator isolates the pipe clamp from the pipe reducing the noise level varying in each case from 24 dB up to 18 dB.
The ELVAN sound insulator products cover up to 90% of all cases dealt in current practise and there are coming in there types as can be seen on the next page.

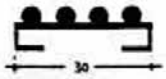
Pipe fixture insulators

- Noise reduction up to 24 dB.
- High sliding elasticity.
- Protection of pipes by covering of pipe-clamps edges.
- High temperature resistance.
- Rolling action with pipe expansion

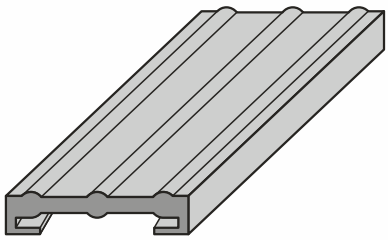
Sound insulators type 62 A1

- color black
- noise reduction ≈ 25 dB

Color	Technical data	Range 62 A1
Black	• Hardness • Resistance against ageing • Tensile strength • Elongation at rapture • Temperature resistance • Chemical resistance against • Not resistant against	appr. SHORE 45 according to DIN 53508 & 53509 4 N/mm² 300% -50° to 110°C diputed acids and caustic solutions, alcohol solubles hot oil and grease aromatic carbohydrates etc.

Part Nr.	sound insulator size mm	max.pipe clamp dimensions	article
62A1-203	20X6	20X3	
62A1-254	25X6	25X4	
62A1-304	30X6	30X4	
62A1-406	40X6	40X6	

Dimensions in mm

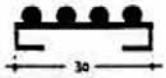


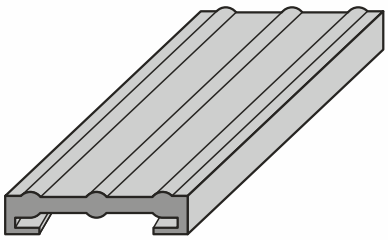
Sound insulators type 62 B

- red
- noise reduction ≈ 20 dB
- temperatures up to 200° C

Color	Technical data	Range 62 B
Red	• Hardness • Resistance against ageing • Tensile strength • Elongation at rapture • Temperature resistance • Chemical resistance against • Not resistant against	appr. SHORE 40 according to DIN 53508 & 53509 4 N/mm² 500% -60° to 200°C diputed acids and caustic solutions, alcohol solubles hot oil and grease aromatic carbohydrates etc.

Dimensions in mm

Part Nr.	sound insulator size mm	max.pipe clamp dimensions	article
62B-203	20X6	20X3	
62B-254	25X6	25X4	
62B-304	30X6	30X4	
62B-406	40X6	40X6	

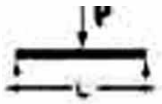
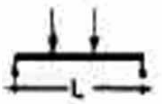
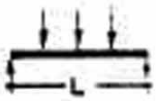


PG: to be used indoors in almost dry atmosphere

Support channel 63 AP

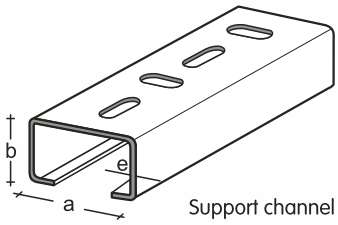
- made of galvanized sheet steel acc. to DIN EN 110142 Part Nr. indication: (PG).
- available also in hot dip galvanized metal sheet after manufacturing according to DIN 50976 Part Nr. indication: (DG).
- standard length 2,5 m.
- Pipes through pipe clamps can be safely and simply fitted to all hydraulic installations, central heating systems and air conditioning systems.
- High tensile strength in bending due to the carefully designed crossection of the profile.
- Associating accessories part No.

  nut : 63G8
  washer : 63G28 or 63G38

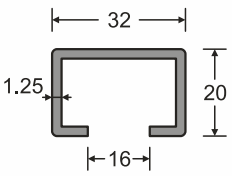
Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	119,0	59,4	39,6	29,7
	89,1	44,5	29,7	22,3
	59,4	29,7	19,8	14,8
	49,5	27,4	16,5	12,3

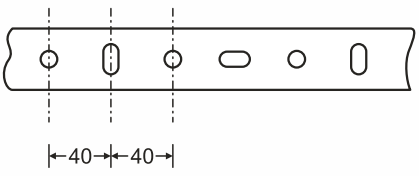
Profile 63 AP
32 X 20 X 1,2 mm

Part Nr.	Weight KG/p
63AP.PG	



Support channel

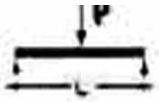
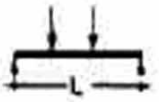
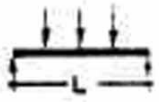
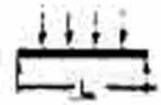




PG: to be used indoors in almost dry atmosphere

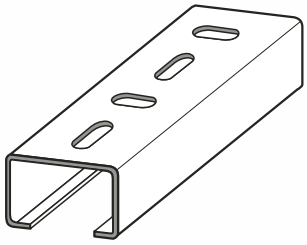
Support channel 63AQ - 63AR

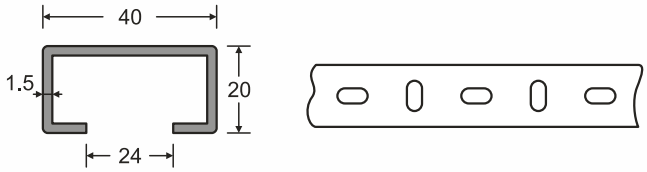
- The loads given below do not exceed the allowable stress as well as maximum deflection (L/150), on the steel.

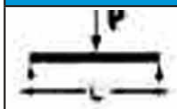
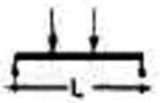
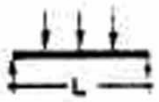
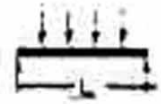
Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	226,6	113,3	75,5	56,6
	170,0	85,6	56,6	42,5
	113,3	56,6	37,7	28,3
	94,4	47,2	31,4	23,6

Profile AQ
40 X 20 X 1,5 mm

Part Nr.	Weight KG/p
63AQ.PG	

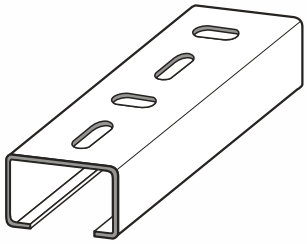


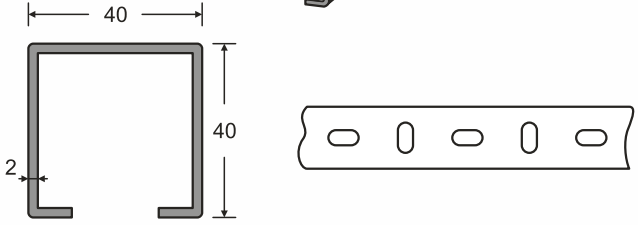


Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	293,5	146,7	97,8	73,3
	220,1	110,0	73,3	55,0
	146,7	73,3	48,9	36,6
	122,3	61,1	40,7	30,5

Profile AR
40 X 40 X 2.0 mm

Part Nr.	Weight KG/p
63AQ.PG	

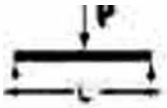
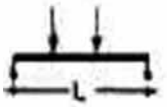
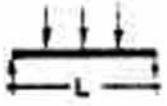




PG: to be used indoors in almost dry atmosphere

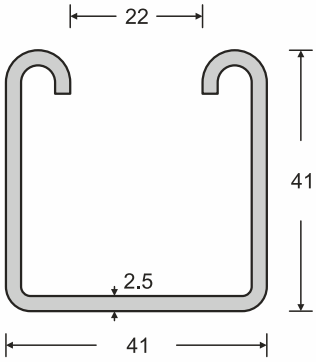
Support channel 63AS - 63AT

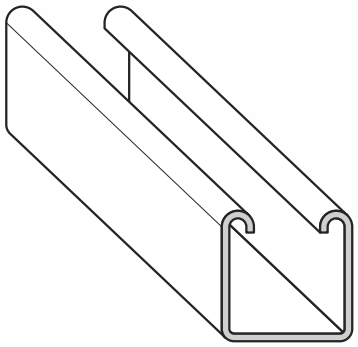
- The loads given below do not exceed the allowable stress as well as maximum deflection (L/150), on the steel.

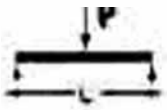
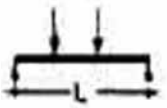
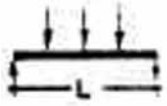
Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	407,9	203,9	135,9	101,9
	305,9	152,9	101,9	76,4
	203,9	101,9	67,9	50,9
	169,9	84,9	56,6	42,4

Profile 63 AS
41 X 41 X 2,5 mm

Part Nr.	Weight KG/p
63AS.PG	



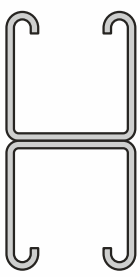

50A

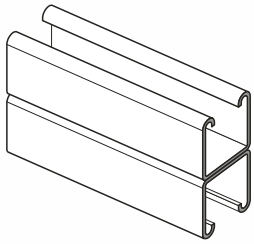
Distance between supports, m				
L (m) =	0,5	1,0	1,5	2,0
Maximum loads P in KP				
	540,8	270,4	180,2	135,2
	405,6	202,8	135,2	101,4
	270,4	135,2	90,1	67,6
	225,3	112,6	75,1	56,3

Profile 63 AT
82 X 41 X 2,5 mm

Part Nr.	Weight KG/p
63AT.PG	

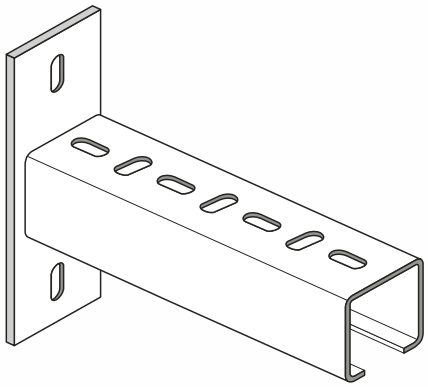
52A21





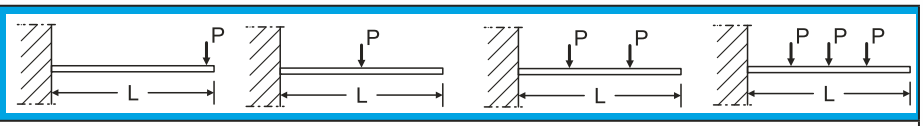
Cantilever brackets
63 BP - 63 BQ

Part Nr.	H	B	a	b	c
63 BP	32	20	120	30	80
63 BQ	40	20	120	30	80
63 BR	40	40	120	50	80
63 BS	41	41	120	50	80
63 BT	82	41	120	50	120



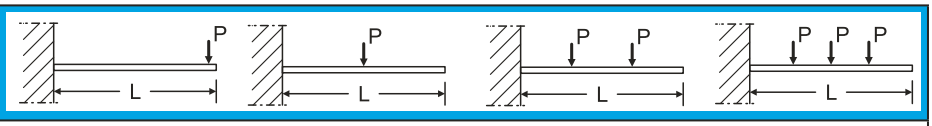
- channel profile 32X20X1,2 mm
- zinc plated according to DIN 50961

Cantilever bracket
63 BP

Part Nr.	L mm	Weight KG/p				
			Safe working load, Kp			
63BP-150.EG	150		106,1	212,3	70,7	53
63BP-200.EG	200		74,3	148,6	49,5	37,1
63BP-300.EG	300		52,1	104,0	34,6	26

- channel profile 40X20X1,5 mm
- zinc plated according to DIN 50961

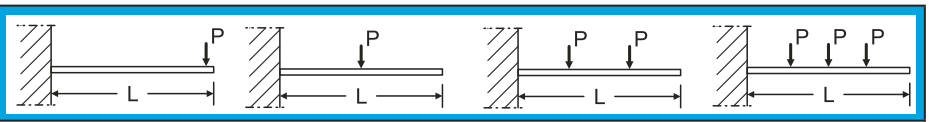
Cantilever bracket
63 BQ

Part Nr.	L mm	Weight KG/p				
			Safe working load, Kp			
63BQ-150.EG	200		136,5	273,0	90,8	68,2
63BQ-200.EG	250		113,3	226,6	75,5	56,6
63BQ-300.EG	300		94,4	188,8	62,9	47,2

Cantilever brackets
63 BR - 63 BS - 63 BT

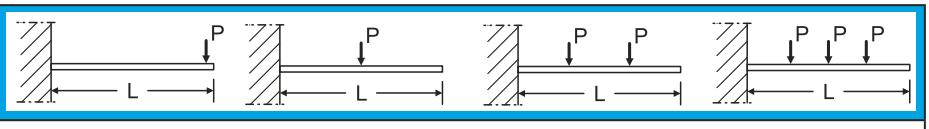
- channel profile 40X40X2,0 mm
- zinc plated according to DIN 50961

Cantilever bracket
63 BP

Part Nr.	L mm	Weight KG/p				
			Safe working load, Kp			
63BR-300.EG	300		122,2	244,5	81,7	61,0
63BR-400.EG	400		91,7	183,4	61,3	45,8
63BR-500.EG	500		73,3	146,6	48,8	36,6
63BR-600.EG	600		58,6	117,2	39,0	29,2

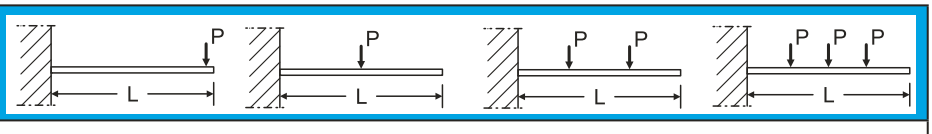
- channel profile 41X41X2,5 mm
- zinc plated according to DIN 50961

Cantilever bracket
63 BS

Part Nr.	L mm	Weight KG/p				
			Safe working load, Kp			
63BS-300.EG	300		100	200	66	50
63BS-400.EG	400		75	150	50	37,5
63BS-500.EG	500		60	120	40	30
63BS-600.EG	600		50	100	33	25

- channel profile 82X41X2,5 mm
- zinc plated according to DIN 50961

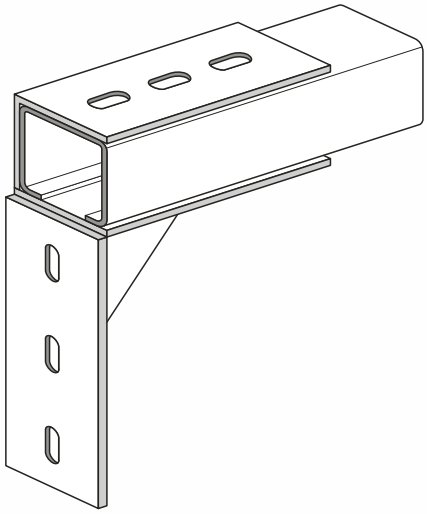
Cantilever bracket
63 BT

Part Nr.	L mm	Weight KG/p				
			Safe working load, Kp			
63BT-300.EG	300		180	360	120	90
63BT-400.EG	400		137,5	275	90	68
63BT-500.EG	500		110	220	72	55
63BT-600.EG	600		90	180	60	45

PG: to be used indoors in almost dry atmosphere

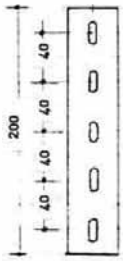
Cantilever brackets triangular type

Cantilever bracket 63 CA

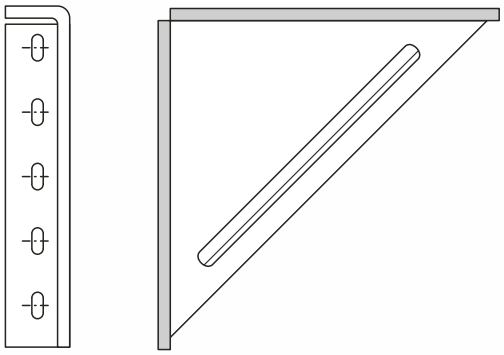


Part Nr	Dimensions mm	Weight KG/p
63CA4.PG **63CA6.PG**	200X200X4 200X200X6	

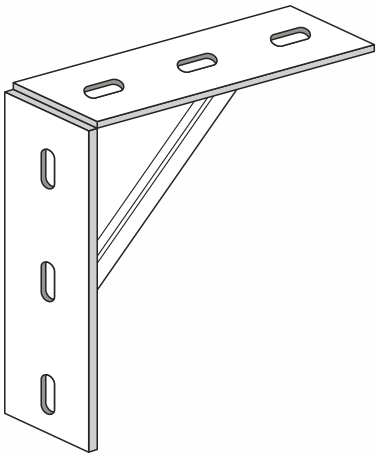
Safe working load Kgf	Distance L of the applied load, in mm
P1=220	60mm ↓ P1
P2=200	100mm ↓ P2
P3=180	180mm ↓ P3
P4=100	140mm ↓ P4



- galvanized sheet steel according to DIN EN 10142
- Can be mounted:
  1) against the wall
  2) to the ceiling
  3) on the floor



Cantilever bracket 63 CB



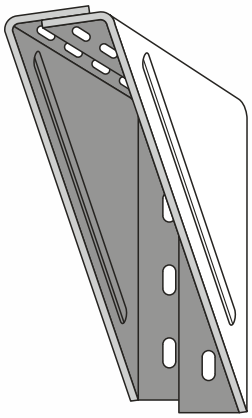
Part Nr	Dimensions mm	Weight KG/p
63CB.PG	207X160X4	

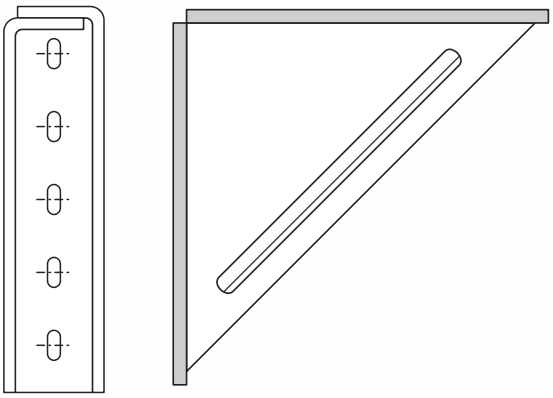
- offers many support possibilities in connection with channel profiles:
  Q : 40X20X1,5
  R : 40X40X2,0
- Can be mounted:
  1) against the wall
  2) to the ceiling
  3) on the floor

Double cantilever bracket

Two cantilever brackets (63CA) can be bolted together for a substantial increase in the load bearing capabilities and the support of high loads.

Safe working load Kgf	Distance L of the applied load, in mm
P1=400	100mm ↓ P1
P2=200	180mm ↓ P2





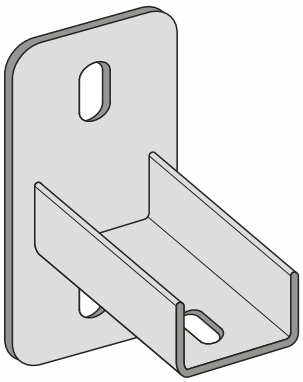
Saddle Support 63 D

- can be used as base of support channel profiles 63P, Q, R.
- zinc electroplated according to DIN 50961.

Part Nr.	For channel profile	Weight KG/p
63DAP.EG **63DAQ.EG** **63DAR.EG**	32X20 40X20 40X40	

Saddle Support 63 DA

Vertical back plate

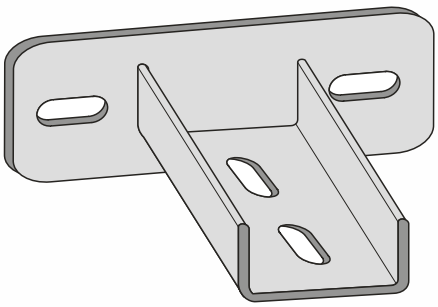


Saddle Support 63 DB

Horizontal back plate

- can be used as base of support channel profiles 63 P, Q, R.
- zinc electroplated according to DIN 50961.

Part Nr.	For channel profile	Weight KG/p
63DBP.EG **63DBQ.EG** **63DBR.EG**	32X20 40X20 40X40	



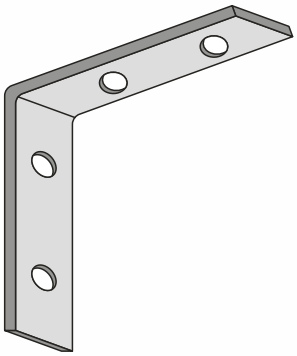
PG: to be used indoors in almost dry atmosphere

Mounting angles 62 E

- zinc electroplated according to DIN 50961 (indication EG).
- used in combination with channel profiles AQ (40X20) and AR (40X40).

Part Nr.	For channel profile	Weight KG/p
63EA.PG	100x30x6	

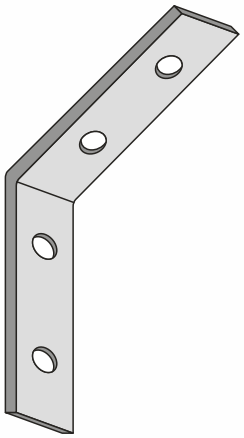
Mounting angle 90° 63 EA



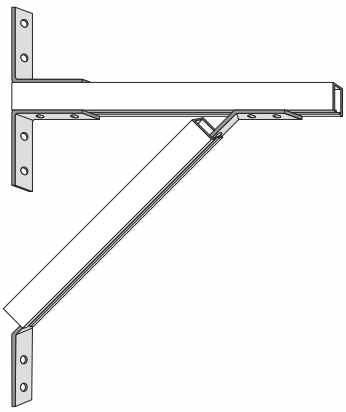
- zinc electroplated according to DIN 50961 (indication EG).
- used in combination with channel profiles AQ (40X20) and AR (40X40).

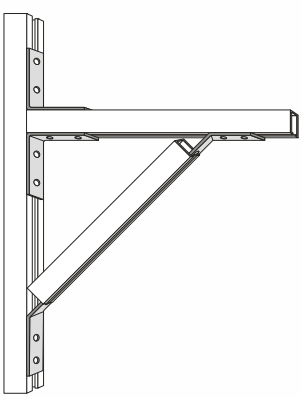
Part Nr.	For channel profile	Weight KG/p
63EB.PG	100x80x6	

Mounting angle 45° 63 EB

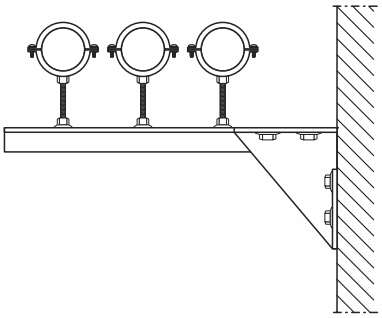


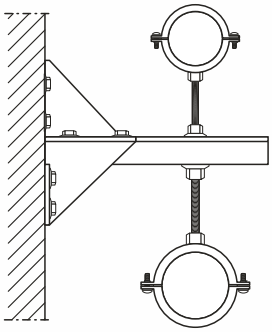
Applications

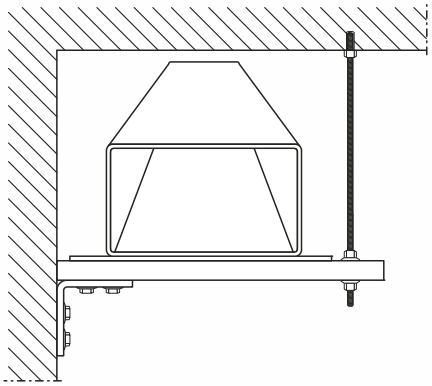


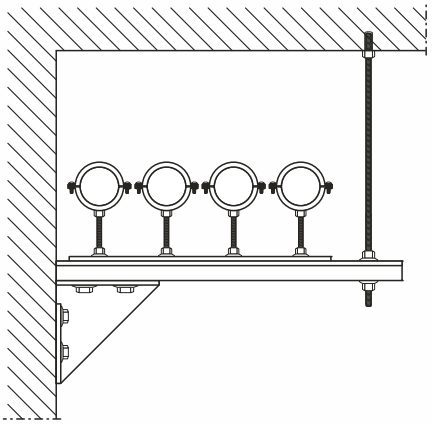


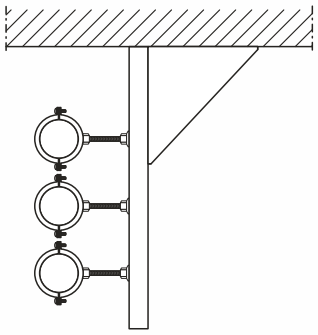
Mounting Examples

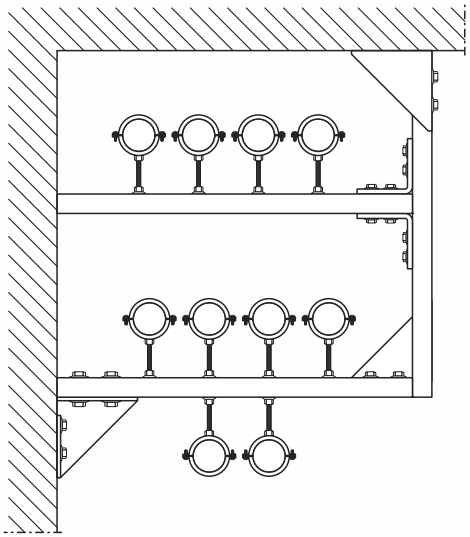


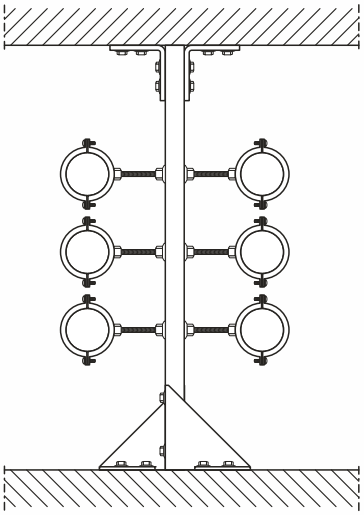


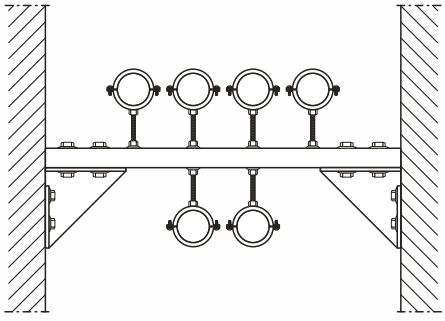


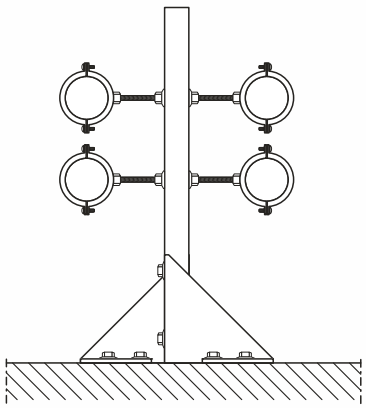












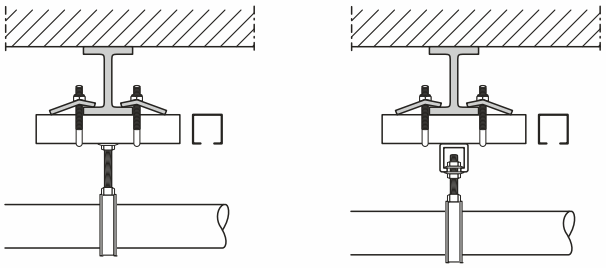
Grider cleats 63 F

- used for mounting support channels (profiles P-Q, R-S) to steel I beams without drilling or welding.

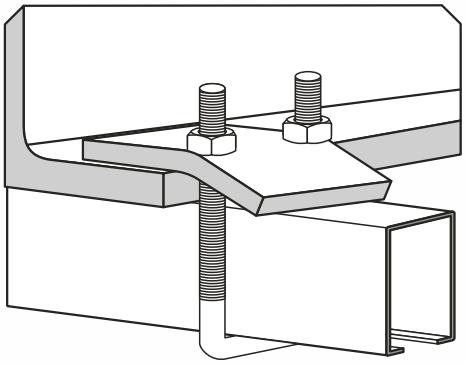
- The grider cleat 63F PQ consists of:
  1) load bearing plate (angled)
  2) U-bolt M8 or M10 with 2 lock washers and two nuts M8 or M10.

Part Nr.	For channel profile	Weight KG/p
63FPQ.EG	P(32/20) ή Q(40/20)	

Application



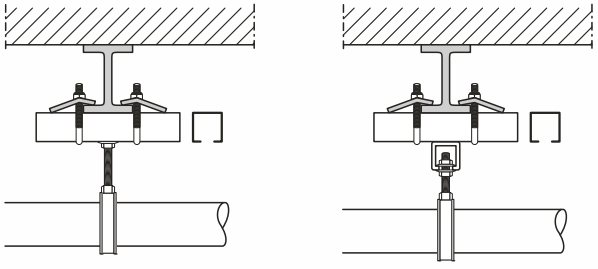
Grider cleat 63 FRQ



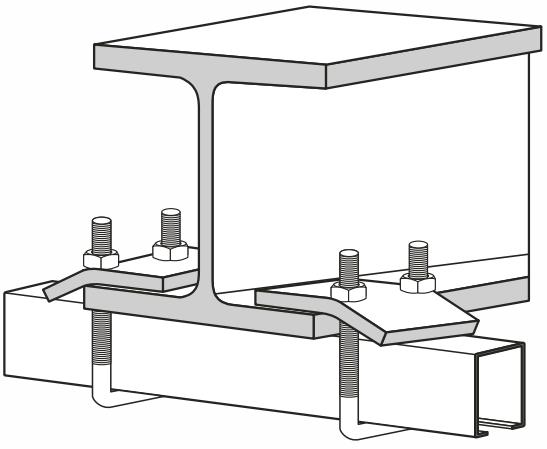
- The grider cleat 63FRS consists of:
  1) load bearing plate (angled)
  2) U-bolt M8 or M10 with 2 lock washers and two nuts M8 or M10.

Part Nr.	For channel profile	Weight KG/p
63FRS.EG	R(40/40) ή S(41/41)	

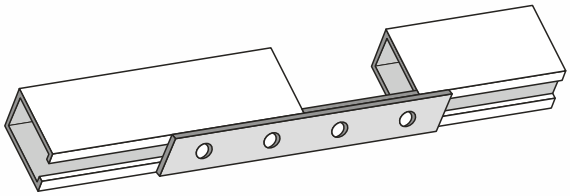
Application



Grider cleat 63 FRS



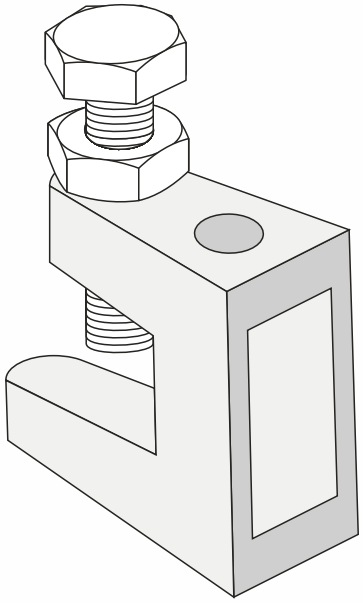
- Suitable for connecting two channel profiles 63Q or 63R.



Channel connecting bracket

Part Nr.	Weight KG/p
63FC	

Beam clamp

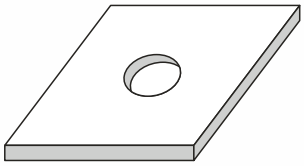


- **Electro plated acc.** to DIN 50961
- Rec. Load 300 Kgr.
- For beam thickness up to 17 mm
- Suitable for threade red MB - M10

Accessories

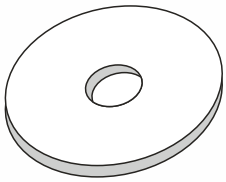
Slide nuts G8

Size	Part Nr.	Dia (mm)
M6	63G8-06	35x25
M8	63G8-08	35x25
M10	63G8-10	35x25
M12	63GP-12	35x25



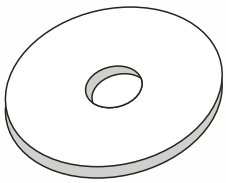
Washers G28

Size	Part Nr.	Out dia (mm)
M8	63G28-09	24
M10	63G28-11	30
M12	63G28-13	36



Washers G38

Size	Part Nr.	Out dia (mm)
M8	63G38-09	40
M10	63G38-11	40
M12	63G38-13	40



Fasteners

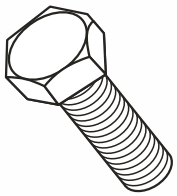
Round head bolts

- available as a set consisting of bolt M6X16, washer and nut M6.

Size	Part Nr.	Weight % Kg
M6X13	10G.12.616	

Hexagonal bolts

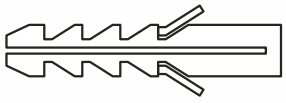
- according to DIN 931
- material : steel
- zinc plated : according to DIN 50961



Size	Part Nr.	Weight % Kg
M6X16	10G.11.616	
M6X20	10G.11.620	
M6X25	10G.11.625	
M6X30	10G.11.630	
M8X16	10G.11.816	
M8X20	10G.11.820	
M8X25	10G.11.825	
M8X30	10G.11.830	
M8X40	10G.11.840	
M8X50	10G.11.850	
M8X60	10G.11.860	

Size	Part Nr.	Weight % Kg
M10X20	10G.11.1020	
M10X25	10G.11.1025	
M10X30	10G.11.1030	
M10X40	10G.11.1040	
M10X50	10G.11.1050	
M12X20	10G.11.1220	
M12X25	10G.11.1225	
M12X30	10G.11.1230	
M12X40	10G.11.1240	
M12X50	10G.11.1250	
M12X60	10G.11.1260	
M12X80	10G.11.1280	
M12X100	10G.11.1200	

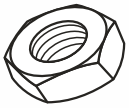
Nylon plugs



Size	Part Nr.	Weight % Kg
M6	90.012.KD6	
M8	90.012.KD8	
M10	90.012.KD10	
M12	90.012.KD12	

Fasteners

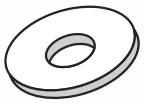
Hexagonal Nuts



- according to DIN 555
- material : steel
- zinc plated : according to DIN 50961

Size	Part Nr.	Weight % Kg
M6	10G.21.06	
M8	10G.21.08	
M10	10G.21.10	
M12	10G.21.12	

Washers



- according to DIN 125
- material : steel
- zinc plated : according to DIN 50961

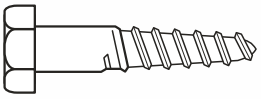
Size	Part Nr.	Weight % Kg
M6	10G.31.06	
M8	10G.31.08	
M10	10G.31.10	
M12	10G.31.12	

Lock washers

- according to DIN 6798
- material : steel
- zinc plated : according to DIN 50961

Size	Part Nr.	Weight % Kg
M6	10G.41.06	
M8	10G.41.08	
M10	10G.41.10	
M12	10G.41.12	

Hexagonal head screw



- according to DIN 7976
- material : steel
- zinc plated : according to DIN 50961

Size	Part Nr.	Weight % Kg
M8X50	10G.13.850	
M8X60	10G.13.860	
M10X50	10G.13.1050	
M10X60	10G.13.1060	
M10X80	10G.13.1080	

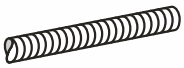
Fasteners

- finish : zinc plated according to DIN 50961.

Threaded pin

- Length L = 50 mm.

Size	Part Nr.	Weight % Kg
M8 M10 M12	10G.505.08 10G.505.10 10G.505.12	



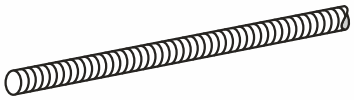
Threaded rods

- Length L = 1000 mm.

Size	Part Nr.	Weight % Kg
M8 M10 M12	10G.51.08 10G.51.10 10G.51.12	

- Length L = 2000 mm.

Size	Part Nr.	Weight % Kg
M8 M10 M12	10G.52.08 10G.52.10 10G.52.12	



Couple sleeve

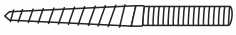
- for connecting two rods.

Size	Part Nr.	Weight % Kg
M8 M10 M12	10G.591.08 10G.591.10 10G.591.12	

Shoulder-bolt screw

- for mounting pipe clamps against the wall.

Size	Part Nr.	Weight % Kg
M8 M10 M12	10G.592.850 10G.592.1050 10G.592.1250	



50
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

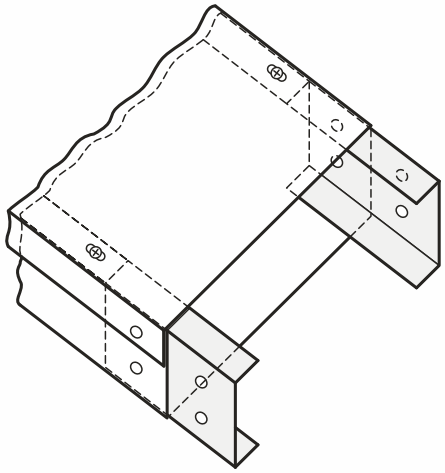
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35AC5-050N.PG	1,0	
075	35AC5-075N.PG	1,0	
100	35AC5-100S.PG	1,2	
150	35AC5-150S.PG	1,2	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35AC5-050S.DG	1,2	
075	35AC5-075S.DG	1,2	
100	35AC5-100S.DG	1,2	
150	35AC5-150S.DG	1,2	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Steel cable trunking



- Standard length: 2,0 mts.
- Inturned upper edges of side walls for reinforcement and cable protection.
- Made of:
  - pregalvanized sheet steel according to EN 10142 (PG).
  - or from sheet steel hot dip galvanized, according to EN 1461, after manufacture (DG).
  - cover is bolted on cable trunking body.
  - other dimension available upon request.
  - factory fitted trunking dividers can be supplied upon request.

Side Height (mm)	Part Nr.	Weight KG/p
050	35NC5 PG	
050	35NC5 DG	

Connectors

50
SIDE HEIGHT

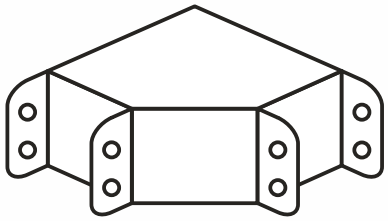
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Horizontal Bend 90° Angle (Gusset)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35BKC5-050N.PG	1,0	
075	35BKC5-075N.PG	1,0	
100	35BKC5-100P.PG	1,5	
150	35BKC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



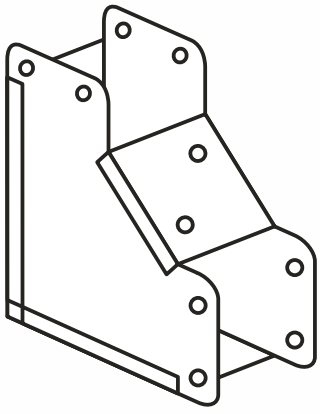
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35BKC5-050N.DG	1,0	
075	35BKC5-075N.DG	1,0	
100	35BKC5-100P.DG	1,5	
150	35BKC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Vertical Bend 90° Angle (Gusset)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35IBC5-050N.PG	1,0	
075	35IBC5-075N.PG	1,0	
100	35IBC5-100P.PG	1,5	
150	35IBC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35IBC5-050N.DG	1,0	
075	35IBC5-075N.DG	1,0	
100	35IBC5-100P.DG	1,5	
150	35IBC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

50
SIDE HEIGHT

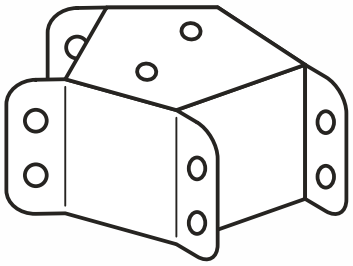
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Horizontal Bend 45° Angle

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35BLC5-050N.PG	1,0	
075	35BLC5-075N.PG	1,0	
100	35BLC5-100P.PG	1,5	
150	35BLC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



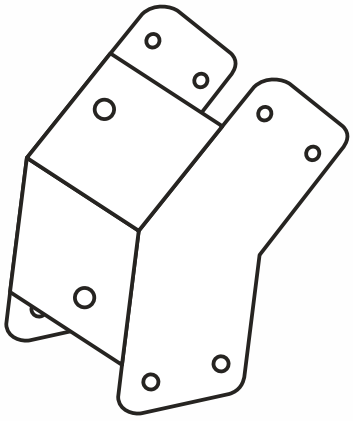
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35BLC5-050N.DG	1,0	
075	35BLC5-075N.DG	1,0	
100	35BLC5-100P.DG	1,5	
150	35BLC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Vertical Bend 45° Angle

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35BMC5-050N.PG	1,0	
075	35BMC5-075N.PG	1,0	
100	35BMC5-100P.PG	1,5	
150	35BMC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35BMC5-050N.DG	1,0	
075	35BMC5-075N.DG	1,0	
100	35BMC5-100P.DG	1,5	
150	35BMC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

50
SIDE HEIGHT

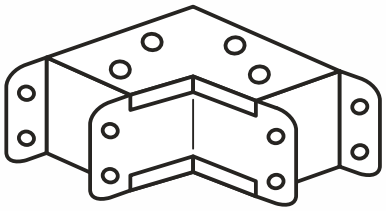
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Horizontal Bend 90° Angle (Sharp)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35CLC5-050N.PG	1,0	
075	35CLC5-075N.PG	1,0	
100	35CLC5-100P.PG	1,5	
150	35CLC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



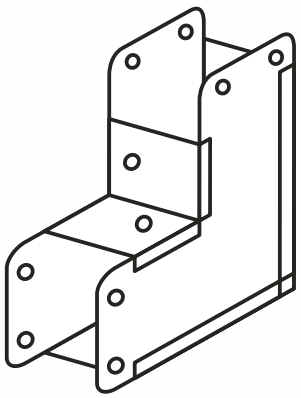
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35CLC5-050N.DG	1,0	
075	35CLC5-075N.DG	1,0	
100	35CLC5-100P.DG	1,5	
150	35CLC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Vertical Bend 90° Angle (Sharp)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35CNC5-050N.PG	1,0	
075	35CNC5-075N.PG	1,0	
100	35CNC5-100P.PG	1,5	
150	35CNC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35CNC5-050N.DG	1,0	
075	35CNC5-075N.DG	1,0	
100	35CNC5-100P.DG	1,5	
150	35CNC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

50
SIDE HEIGHT

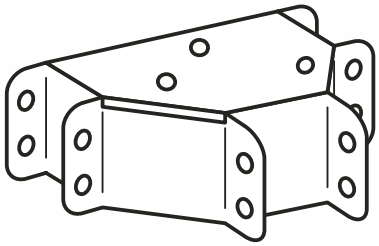
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Horizontal Tee

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35HEC5-050N.PG	1,0	
075	35HEC5-075N.PG	1,0	
100	35HEC5-100P.PG	1,5	
150	35HEC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



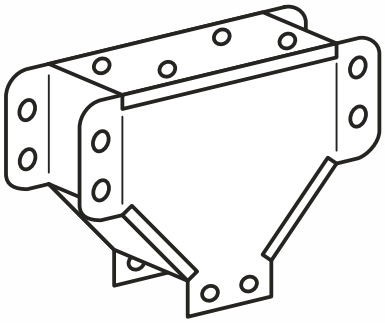
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35HEC5-050N.DG	1,0	
075	35HEC5-075N.DG	1,0	
100	35HEC5-100P.DG	1,5	
150	35HEC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Vertical Tee

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35VEC5-050N.PG	1,0	
075	35VEC5-075N.PG	1,0	
100	35VEC5-100P.PG	1,5	
150	35VEC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35VEC5-050N.DG	1,0	
075	35VEC5-075N.DG	1,0	
100	35VEC5-100P.DG	1,5	
150	35VEC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

50
SIDE HEIGHT

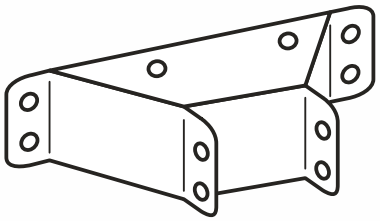
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Bell Mouth

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35MHC5-050N.PG	1,0	
075	35MHC5-075N.PG	1,0	
100	35MHC5-100P.PG	1,5	
150	35MHC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



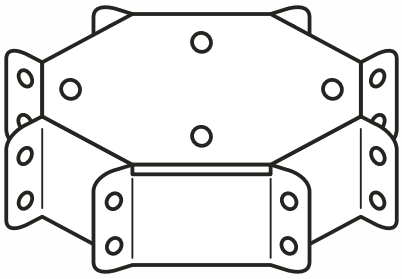
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35MHC5-050N.DG	1,0	
075	35MHC5-075N.DG	1,0	
100	35MHC5-100P.DG	1,5	
150	35MHC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Cross

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35HCC5-050N.PG	1,0	
075	35HCC5-075N.PG	1,0	
100	35HCC5-100P.PG	1,5	
150	35HCC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35HCC5-050N.DG	1,0	
075	35HCC5-075N.DG	1,0	
100	35HCC5-100P.DG	1,5	
150	35HCC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

50
SIDE HEIGHT

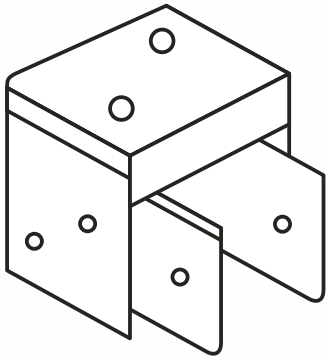
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Reducer

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35REC5-050N.PG	1,0	
075	35REC5-075N.PG	1,0	
100	35REC5-100P.PG	1,5	
150	35REC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



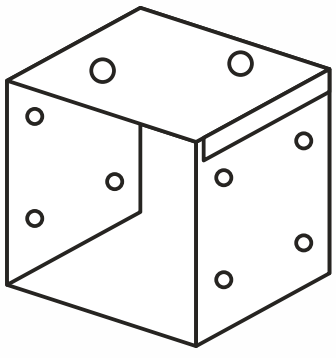
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35REC5-050N.DG	1,0	
075	35REC5-075N.DG	1,0	
100	35REC5-100P.DG	1,5	
150	35REC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Adaptor for joining Fittings

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35ADC5-050N.PG	1,0	
075	35ADC5-075N.PG	1,0	
100	35ADC5-100P.PG	1,5	
150	35ADC5-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35ADC5-050N.DG	1,0	
075	35ADC5-075N.DG	1,0	
100	35ADC5-100P.DG	1,5	
150	35ADC5-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

50
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

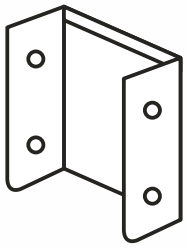
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35SE5-050N.PG	1,0	
075	35SE5-075N.PG	1,0	
100	35SE5-100P.PG	1,2	
150	35SE5-150P.PG	1,2	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
050	35SE5-050N.DG	1,0	
075	35SE5-075N.DG	1,0	
100	35SE5-100P.DG	1,2	
150	35SE5-150P.DG	1,2	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Sealing End



75
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

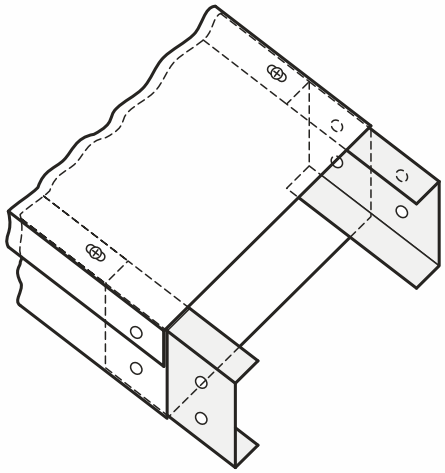
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35AC7-075N.PG	1,0	
100	35AC7-100S.PG	1,2	
150	35AC7-150S.PG	1,2	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35AC7-075S.DG	1,2	
100	35AC7-100S.DG	1,2	
150	35AC7-150S.DG	1,2	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Steel cable trunking



- Standard length: 2,0 mts.
- Inturned upper edges of side walls for reinforcement and cable protection.
- Made of:
  - pregalvanized sheet steel according to EN 10142 (PG).
  - or from sheet steel hot dip galvanized, according to EN 1461, after manufacture (DG).
  - cover is bolted on cable trunking body.
  - other dimension available upon request.
  - factory fitted trunking dividers can be supplied upon request.

Side Height (mm)	Part Nr.	Weight KG/p
075	35NC7 PG	
075	35NC7 DG	

Connectors

75
SIDE HEIGHT

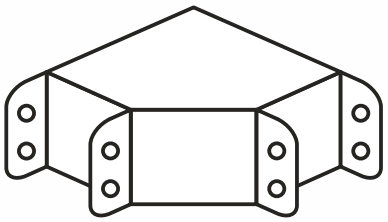
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Horizontal Bend 90° Angle (Gusset)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35BKC7-075N.PG	1,0	
100	35BKC7-100P.PG	1,5	
150	35BKC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



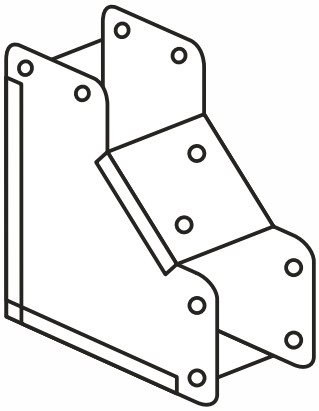
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35BKC7-075N.DG	1,0	
100	35BKC7-100P.DG	1,5	
150	35BKC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Vertical Bend 90° Angle (Gusset)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35IBC7-075N.PG	1,0	
100	35IBC7-100P.PG	1,5	
150	35IBC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35IBC7-075N.DG	1,0	
100	35IBC7-100P.DG	1,5	
150	35IBC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

75
SIDE HEIGHT

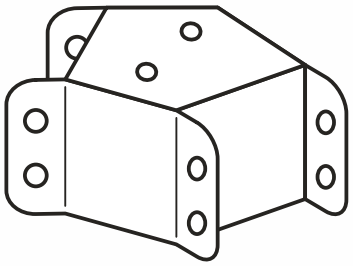
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Horizontal Bend 45° Angle

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35BLC7-075N.PG	1,0	
100	35BLC7-100P.PG	1,5	
150	35BLC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



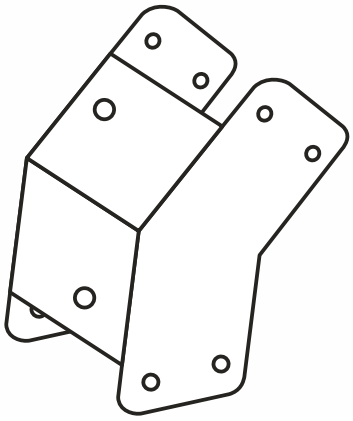
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35BLC7-075N.DG	1,0	
100	35BLC7-100P.DG	1,5	
150	35BLC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Vertical Bend 45° Angle

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35BMC7-075N.PG	1,0	
100	35BMC7-100P.PG	1,5	
150	35BMC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35BMC7-075N.DG	1,0	
100	35BMC7-100P.DG	1,5	
150	35BMC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

75
SIDE HEIGHT

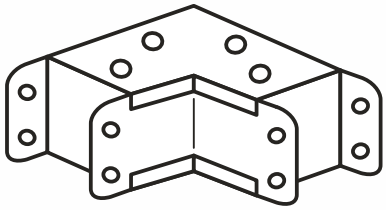
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Horizontal Bend 90° Angle (Sharp)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35CLC7-075N.PG	1,0	
100	35CLC7-100P.PG	1,5	
150	35CLC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



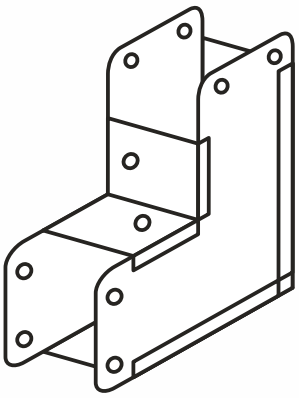
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35CLC7-075N.DG	1,0	
100	35CLC7-100P.DG	1,5	
150	35CLC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Vertical Bend 90° Angle (Sharp)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35CNC7-075N.PG	1,0	
100	35CNC7-100P.PG	1,5	
150	35CNC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35CNC7-075N.DG	1,0	
100	35CNC7-100P.DG	1,5	
150	35CNC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

75
SIDE HEIGHT

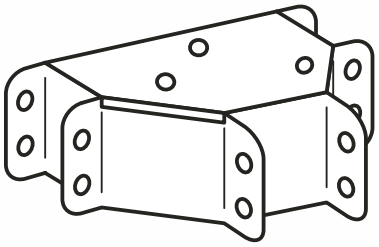
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Horizontal Tee

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35HEC7-075N.PG	1,0	
100	35HEC7-100P.PG	1,5	
150	35HEC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



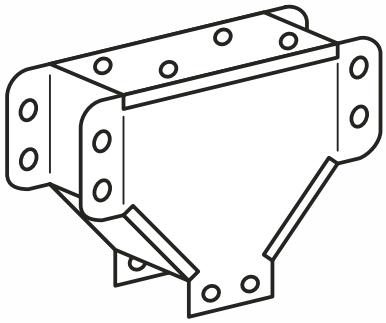
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35HEC7-075N.DG	1,0	
100	35HEC7-100P.DG	1,5	
150	35HEC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Vertical Tee

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35VEC7-075N.PG	1,0	
100	35VEC7-100P.PG	1,5	
150	35VEC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35VEC7-075N.DG	1,0	
100	35VEC7-100P.DG	1,5	
150	35VEC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

75
SIDE HEIGHT

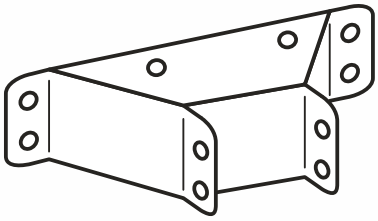
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Bell Mouth

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35MHC7-075N.PG	1,0	
100	35MHC7-100P.PG	1,5	
150	35MHC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



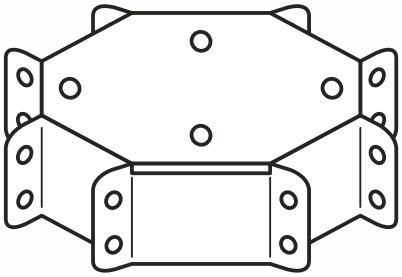
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35MHC7-075N.DG	1,0	
100	35MHC7-100P.DG	1,5	
150	35MHC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Cross

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35HCC7-075N.PG	1,0	
100	35HCC7-100P.PG	1,5	
150	35HCC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35HCC7-075N.DG	1,0	
100	35HCC7-100P.DG	1,5	
150	35HCC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

75
SIDE HEIGHT

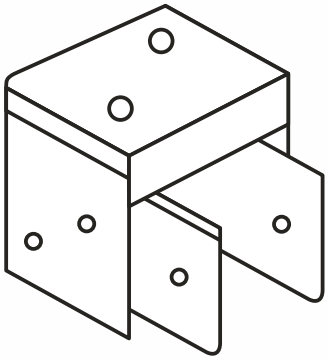
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Reducer

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35REC7-075N.PG	1,0	
100	35REC7-100P.PG	1,5	
150	35REC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



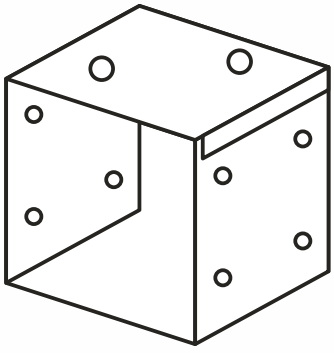
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35REC7-075N.DG	1,0	
100	35REC7-100P.DG	1,5	
150	35REC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Adaptor for joining Fittings

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35ADC7-075N.PG	1,0	
100	35ADC7-100P.PG	1,5	
150	35ADC7-150P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35ADC7-075N.DG	1,0	
100	35ADC7-100P.DG	1,5	
150	35ADC7-150P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

75
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

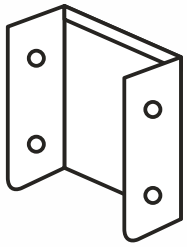
Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35SE7-075N.PG	1,0	
100	35SE7-100S.PG	1,2	
150	35SE7-150S.PG	1,2	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Width (mm)	Part Nr.	thks (mm)	Weight KG/p
075	35SE7-075N.DG	1,0	
100	35SE7-100S.DG	1,2	
150	35SE7-150S.DG	1,2	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Sealing End



100/150 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35AC0-100P.PG	1,5	
	150	35AC0-150P.PG	1,5	
	200	35AC0-200P.PG	1,5	
150	150	35AC1-150P.PG	1,5	
	225	35AC1-225P.PG	1,5	
	300	35AC1-300P.PG	1,5	

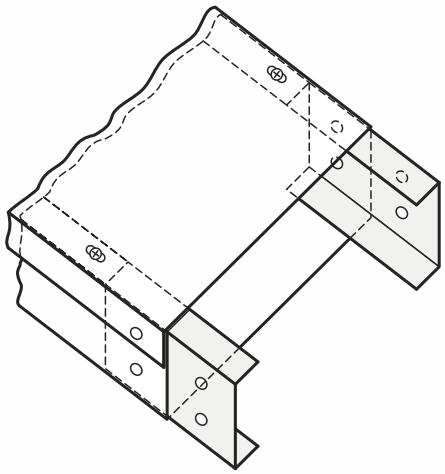
- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35AC0-100P.DG	1,5	
	150	35AC0-150P.DG	1,5	
	200	35AC0-200P.DG	1,5	
150	150	35AC1-150P.DG	1,5	
	225	35AC1-225P.DG	1,5	
	300	35AC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Side Height (mm)	Part Nr.	Weight KG/p
100	35 NC 10 PG	
100	35 NC 10 PG	
150	35 NC 15 DG	
150	35 NC 15 PG	

Steel cable trunking



- Standard length: 2,0 mts.
- Inturned upper edges of side walls for reinforcement and cable protection.
- Made of:
  - pregalvanized sheet steel according to EN 10142 (PG).
  - or from sheet steel hot dip galvanized, according to EN 1461, after manufacture (DG).
  - cover is bolted on cable trunking body.
  - other dimension available upon request.
  - factory fitted trunking dividers can be supplied upon request.

Connectors

100/150
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

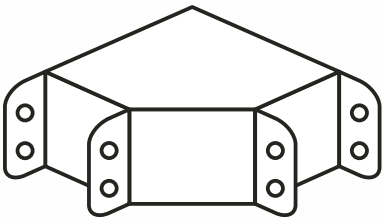
Horizontal Bend 90° Angle (Gusset)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35BKC0-100P.PG	1,5	
	150	35BKC0-150P.PG	1,5	
	200	35BKC0-200P.PG	1,5	
150	150	35BKC1-150P.PG	1,5	
	225	35BKC1-225P.PG	1,5	
	300	35BKC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35BKC0-100P.DG	1,5	
	150	35BKC0-150P.DG	1,5	
	200	35BKC0-200P.DG	1,5	
150	150	35BKC1-150P.DG	1,5	
	225	35BKC1-225P.DG	1,5	
	300	35BKC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461



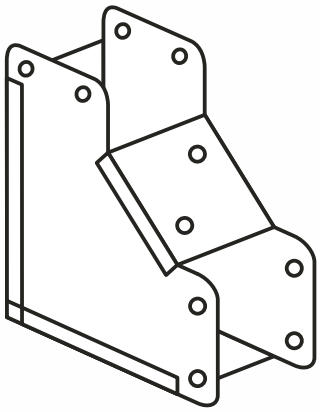
Vertical Bend 90° Angle (Gusset)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35IBC0-100P.PG	1,5	
	150	35IBC0-150P.PG	1,5	
	200	35IBC0-200P.PG	1,5	
150	150	35IBC1-150P.PG	1,5	
	225	35IBC1-225P.PG	1,5	
	300	35IBC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35IBC0-100P.DG	1,5	
	150	35IBC0-150P.DG	1,5	
	200	35IBC0-200P.DG	1,5	
150	150	35IBC1-150P.DG	1,5	
	225	35IBC1-225P.DG	1,5	
	300	35IBC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461



100/150 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

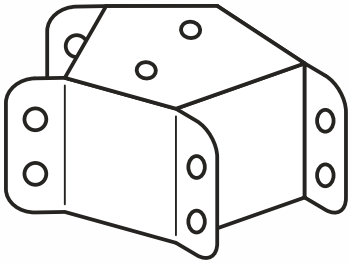
Horizontal Bend 45° Angle

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35BLC0-100P.PG	1,5	
	150	35BLC0-150P.PG	1,5	
	200	35BLC0-200P.PG	1,5	
150	150	35BLC1-150P.PG	1,5	
	225	35BLC1-225P.PG	1,5	
	300	35BLC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35BLC0-100P.DG	1,5	
	150	35BLC0-150P.DG	1,5	
	200	35BLC0-200P.DG	1,5	
150	150	35BLC1-150P.DG	1,5	
	225	35BLC1-225P.DG	1,5	
	300	35BLC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461



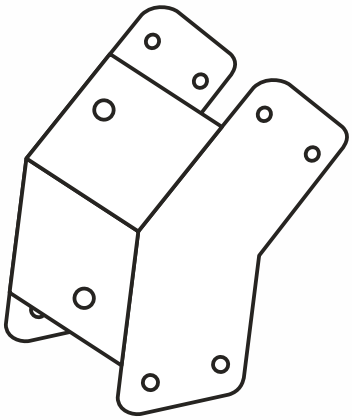
Vertical Bend 45° Angle

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35BMC0-100P.PG	1,5	
	150	35BMC0-150P.PG	1,5	
	200	35BMC0-200P.PG	1,5	
150	150	35BMC1-150P.PG	1,5	
	225	35BMC1-225P.PG	1,5	
	300	35BMC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35BMC0-100P.DG	1,5	
	150	35BMC0-150P.DG	1,5	
	200	35BMC0-200P.DG	1,5	
150	150	35BMC1-150P.DG	1,5	
	225	35BMC1-225P.DG	1,5	
	300	35BMC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461



100/150
SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

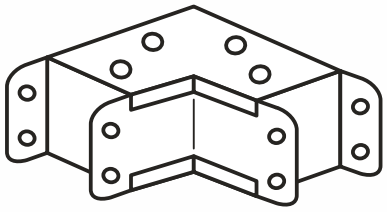
Horizontal Bend 90° Angle (Sharp)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35CLC0-100P.PG	1,5	
	150	35CLC0-150P.PG	1,5	
	200	35CLC0-200P.PG	1,5	
150	150	35CLC1-150P.PG	1,5	
	225	35CLC1-225P.PG	1,5	
	300	35CLC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35CLC0-100P.DG	1,5	
	150	35CLC0-150P.DG	1,5	
	200	35CLC0-200P.DG	1,5	
150	150	35CLC1-150P.DG	1,5	
	225	35CLC1-225P.DG	1,5	
	300	35CLC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461



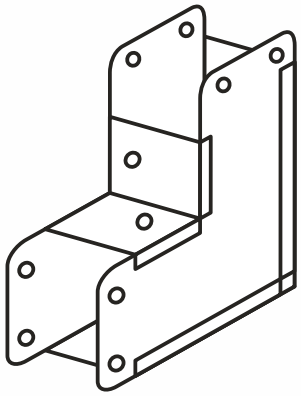
Vertical Bend 90° Angle (Sharp)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35CNC0-100P.PG	1,5	
	150	35CNC0-150P.PG	1,5	
	200	35CNC0-200P.PG	1,5	
150	150	35CNC1-150P.PG	1,5	
	225	35CNC1-225P.PG	1,5	
	300	35CNC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35CNC0-100P.DG	1,5	
	150	35CNC0-150P.DG	1,5	
	200	35CNC0-200P.DG	1,5	
150	150	35CNC1-150P.DG	1,5	
	225	35CNC1-225P.DG	1,5	
	300	35CNC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461



100/150 SIDE HEIGHT

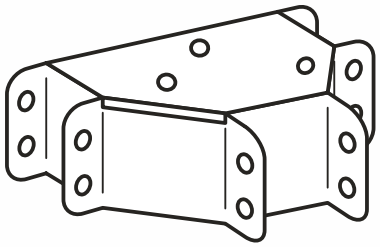
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Horizontal Tee

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35HEC0-100P.PG	1,5	
	150	35HEC0-150P.PG	1,5	
	200	35HEC0-200P.PG	1,5	
150	150	35HEC1-150P.PG	1,5	
	225	35HEC1-225P.PG	1,5	
	300	35HEC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



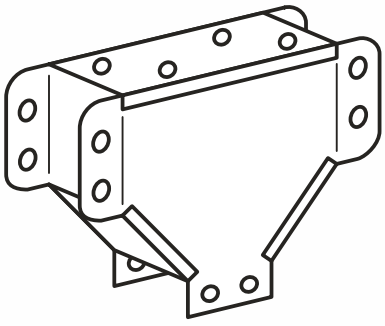
Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35HEC0-100P.DG	1,5	
	150	35HEC0-150P.DG	1,5	
	200	35HEC0-200P.DG	1,5	
150	150	35HEC1-150P.DG	1,5	
	225	35HEC1-225P.DG	1,5	
	300	35HEC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Vertical Tee

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35VEC0-100P.PG	1,5	
	150	35VEC0-150P.PG	1,5	
	200	35VEC0-200P.PG	1,5	
150	150	35VEC1-150P.PG	1,5	
	225	35VEC1-225P.PG	1,5	
	300	35VEC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35VEC0-100P.DG	1,5	
	150	35VEC0-150P.DG	1,5	
	200	35VEC0-200P.DG	1,5	
150	150	35VEC1-150P.DG	1,5	
	225	35VEC1-225P.DG	1,5	
	300	35VEC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

100/150
SIDE HEIGHT

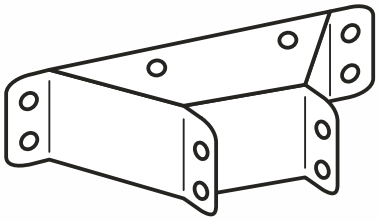
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Bell Mouth

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35MHC0-100P.PG	1,5	
	150	35MHC0-150P.PG	1,5	
	200	35MHC0-200P.PG	1,5	
150	150	35MHC1-150P.PG	1,5	
	225	35MHC1-225P.PG	1,5	
	300	35MHC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



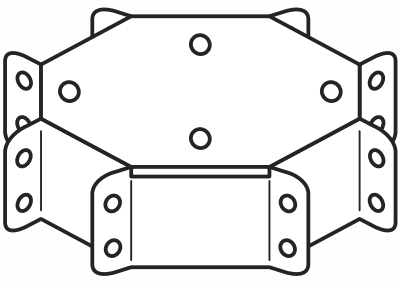
Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35MHC0-100P.DG	1,5	
	150	35MHC0-150P.DG	1,5	
	200	35MHC0-200P.DG	1,5	
150	150	35MHC1-150P.DG	1,5	
	225	35MHC1-225P.DG	1,5	
	300	35MHC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

Cross

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35HCC0-100P.PG	1,5	
	150	35HCC0-150P.PG	1,5	
	200	35HCC0-200P.PG	1,5	
150	150	35HCC1-150P.PG	1,5	
	225	35HCC1-225P.PG	1,5	
	300	35HCC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35HCC0-100P.DG	1,5	
	150	35HCC0-150P.DG	1,5	
	200	35HCC0-200P.DG	1,5	
150	150	35HCC1-150P.DG	1,5	
	225	35HCC1-225P.DG	1,5	
	300	35HCC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461

100/150 SIDE HEIGHT

PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

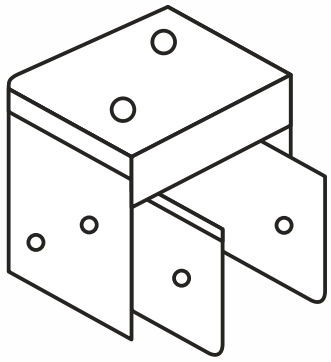
Reducer

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35REC0-100P.PG	1,5	
	150	35REC0-150P.PG	1,5	
	200	35REC0-200P.PG	1,5	
150	150	35REC1-150P.PG	1,5	
	225	35REC1-225P.PG	1,5	
	300	35REC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35REC0-100P.DG	1,5	
	150	35REC0-150P.DG	1,5	
	200	35REC0-200P.DG	1,5	
150	150	35REC1-150P.DG	1,5	
	225	35REC1-225P.DG	1,5	
	300	35REC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461



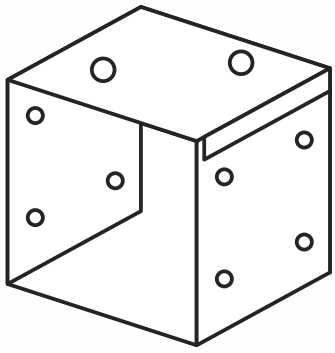
Adaptor for joining Fittings

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35ADC0-100P.PG	1,5	
	150	35ADC0-150P.PG	1,5	
	200	35ADC0-200P.PG	1,5	
150	150	35ADC1-150P.PG	1,5	
	225	35ADC1-225P.PG	1,5	
	300	35ADC1-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35ADC0-100P.DG	1,5	
	150	35ADC0-150P.DG	1,5	
	200	35ADC0-200P.DG	1,5	
150	150	35ADC1-150P.DG	1,5	
	225	35ADC1-225P.DG	1,5	
	300	35ADC1-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461



100/150
SIDE HEIGHT

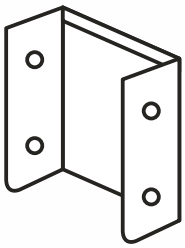
PG: to be used indoors in almost dry atmosphere

DG: to be used outdoors or indoors in humid atmosphere

Sealing End

Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35SE5-100P.PG	1,5	
	150	35SE5-150P.PG	1,5	
	200	35SE5-200P.PG	1,5	
150	150	35SE5-150P.PG	1,5	
	225	35SE5-225P.PG	1,5	
	300	35SE5-300P.PG	1,5	

- made of pre-galvanized sheet steel acc. to EN 10142 (PG)



Side height h	Width (mm)	Part Nr.	thks (mm)	Weight KG/p
100	100	35SE5-100P.DG	1,5	
	150	35SE5-150P.DG	1,5	
	200	35SE5-200P.DG	1,5	
150	150	35SE5-150P.DG	1,5	
	225	35SE5-225P.DG	1,5	
	300	35SE5-300P.DG	1,5	

- made of sheet steel hot dip galvanized after manufacture (DG) acc. to EN 1461