

CONNECT AND PROTECT

Solutions for Electrical Power & Ground Connections

North America

- Insulators
- Busbar Supports
- Connecting Clamps
- Grounding Products
- Cabling Sleeves


nvent

ERIFLEX

SUMMARY

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Advantages and Markets

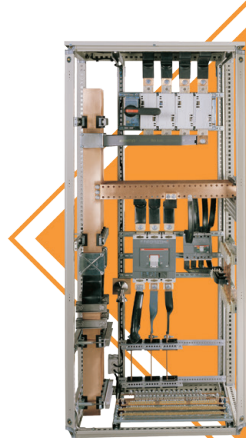
THE NVENT ADVANTAGES

- A solution provider with strong expertise in a variety of markets worldwide
- A worldwide team of experts in electrical power connections
- Experienced manufacturer and global provider
- Full range of high-quality, reliable, certified products
- Innovative and compatible product designs
- Easy to use – saves time and space
- Maximize power density



Energy

- Electrical Power Generators and Distribution
 - Transformers
 - Generators
- Renewable Energies
 - Windmills
 - Solar
 - Hydropower
- Oil, Gas and Petrochemical
- Telecom
- Power Stations

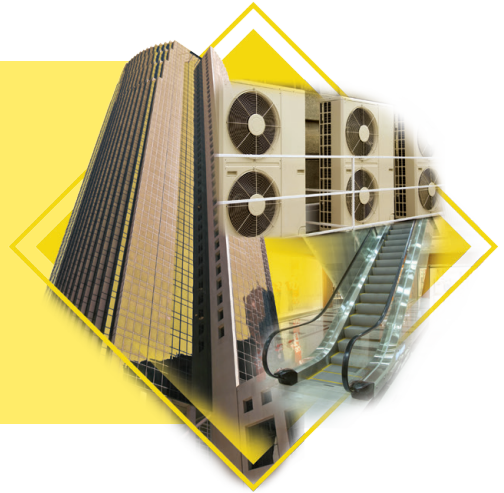


Transportation

- Marine
- Aircraft
- Ground Transportation
- Automotive

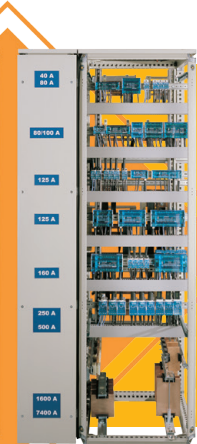
Industry & Buildings

- Buildings & Shopping Centers
- Air Conditioning
- Elevators, Escalators & Automatic Doors



Panelboard

- Power
- Control & Command Applications:
 - Power Switchboards
 - Distribution Panel
 - UPS
 - Power Factory Correction



Machinery

- Tunneling
- Crunchers
- Printing
- Welding
- Packaging
- Wood Working



Certificates

TESTS & CERTIFICATES

nVent ERIFLEX components have received conformity certificates from several agencies/standards.

Worldwide Certification

UL®

CE

IEC

GOST



Agency/Standard Approvals



IEC 60439.1 Standard
IEC 61439.1 Standard



Underwriters Laboratories
UL Recognized, File No. E125470
UL Recognized, File No. E322841



International Electrotechnical Association



GOST
Certificate compliance for Russia



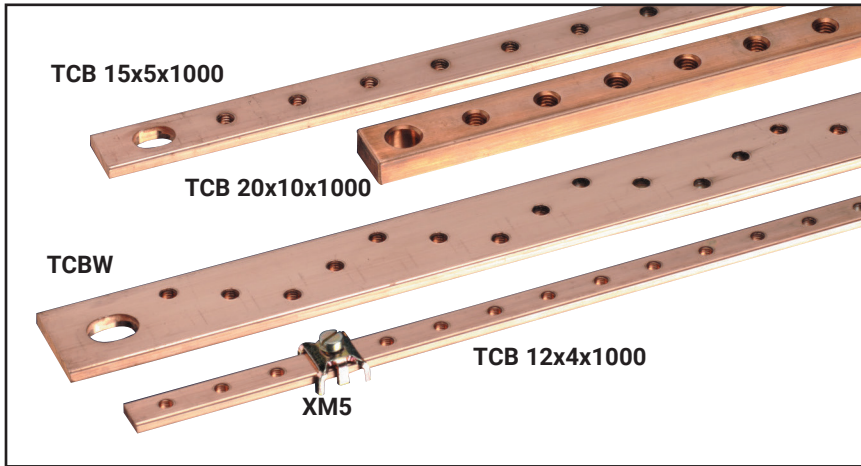
RoHS Compliant

Product Overview

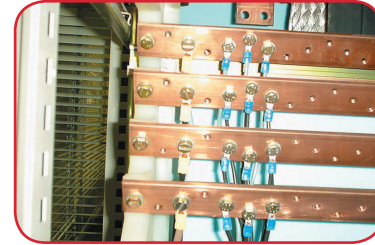
Product Range	Typical Uses	Typical Market
<p>Copper busbars</p> 	<ul style="list-style-type: none"> • Heavy-duty power connection • Circuit breaker, generator & prefabricated power network conductor • Alternative to large & multiple cables • Earth / ground connection • Power distribution 	<ul style="list-style-type: none"> • Power distribution switchgear • Marine transportation • Machinery manufacturing • Busduct • Power generation
<p>Connecting clamps</p> 	<ul style="list-style-type: none"> • Heavy-duty power connection • Connection between busbar / flexible busbar / cable • Power distribution • "On site" installation / modification 	<ul style="list-style-type: none"> • Power distribution switchgear • Power generation • Telecom • Machinery manufacturing • Busduct
<p>Universal connecting bar</p> 	<ul style="list-style-type: none"> • 450A power distribution bar • Unipolar distribution from busbar to cable • "On site" installation / modification 	<ul style="list-style-type: none"> • Power distribution switchgear • Telecom • Machinery manufacturing • Industry & buildings
<p>Grounding parts</p> 	<ul style="list-style-type: none"> • Power, earthing/grounding and equipotential connections • Numerous connections • Electrical bonding interconnection 	<ul style="list-style-type: none"> • Switchgear & control equipment • Electrical equipment manufacturers • Power generation (Wind, solar) • Data center
<p>Busbar supports</p> 	<ul style="list-style-type: none"> • Heavy-duty power connection support • Flat, on edge, inclined busbar support • Universal versatile support • Fixed or adjustable busbar support 	<ul style="list-style-type: none"> • Power distribution switchgear • Marine transportation • Machinery manufacturing • Busduct • Power generation
<p>Spacer & accessories</p> 	<ul style="list-style-type: none"> • Insulated or non-insulated spacer • Accessories for easy distribution block assembly 	<ul style="list-style-type: none"> • Power distribution switchgear • Machinery manufacturing
<p>Insulators</p> 	<ul style="list-style-type: none"> • Heavy-duty power connection insulator • Flat, on edge, busbar insulator • Universal versatile insulator 	<ul style="list-style-type: none"> • Power distribution switchgear • Marine transportation • Machinery manufacturing
<p>Sleeves</p> 	<ul style="list-style-type: none"> • Expandable cabling sleeves • Wiring mechanical protection • Wiring temperature protection 	<ul style="list-style-type: none"> • Switchgear & control equipment • Transportation • Machinery manufacturing
<p>Profiles</p> 	<ul style="list-style-type: none"> • Symmetric / asymmetric profiles • Perforated or non-perforated profiles • Rapid assembly of all kinds of frameworks 	<ul style="list-style-type: none"> • Switchgear & control equipment • Transportation • Machinery manufacturing

Copper Busbars

THREADED BUSBAR



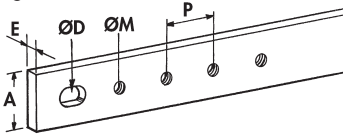
- Electrolytic copper
- Rounded corners
- Thickness: from 2 to 10 mm
- Length: from 1000 to 2000 mm



TCB

..x 5 x 1000 mm

- Threaded Busbars
- Thickness 5 mm
- Threaded M5, M6
- Length 1000 mm



Part No.	Description	A mm	E mm	P mm	ØD mm	ØM	kg
549220	TCB 12 x 5	12	5	18	-	M5	0.50
550210	TCB 15 x 5	15	5	25	8 x 12	M6	0.65
550220	TCB 20 x 5	20	5	25	10 x 14	M6	0.85
550230	TCB 32 x 5	32	5	25	12 x 16	M6	1.35

TCB

..x 5 x 2000 mm

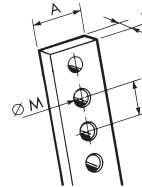
- Threaded Busbars
- Thickness 5 mm
- Threaded M6
- Length 2000 mm

Part No.	Description	A mm	E mm	P mm	ØD mm	ØM	kg
549000	TCBS 15 x 5	15	5	17,5	8 x 12	M6	1.19
549010	TCB 20 x 5	20	5	25	10 x 14	M6	1.67
549020	TCB 30 x 5	30	5	25	12 x 16	M6	2.50

TCB

..x 2/4 x 1000 mm

- Threaded Busbars
- Thickness 2, 4 mm
- Threaded M5, M6, M8
- Length 1000 mm



Part No.	Description	A mm	E mm	P mm	ØM	kg
549230	TCB 12 x 2 x 1000	12	2	18	M5	0.300
550200	TCB 12 x 4 x 1000	12	4	18	M5	0.430
549200	TCB 18 x 4 x 1000	18	4	20	M8	0.600
549210	TCB 25 x 4 x 1000	25	4	20	M6	0.800

TCB

12 x 4 x 2000 mm

- Threaded Busbars 12 x 4
- Thickness 4 mm
- Threaded M5
- Length 2000 mm

Part No.	Description	A mm	E mm	P mm	ØM	kg
550190	TCB 12 x 4 x 2000	12	4	18	M5	0.850

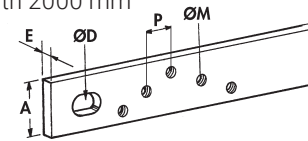
Connector XM5

For 12 x 4 Threaded Busbars

Part No.	Description	kg
550250	Connector XM5	0.010

TCBW

- Threaded Busbars 32 x 5W
- Connections: 40% more
- Thickness 5 mm
- Threaded M6
- Length 2000 mm

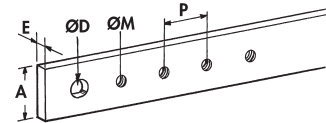


Part No.	Description	A mm	E mm	P mm	ØD mm	ØM	kg
549030	TCBW 32 x 5 x 2000	32	5	17,5	12 x 16	M6	2.65

TCB

..x 10 x 1000/2000 mm

- Threaded Busbars
- Thickness 10 mm
- Threaded M8
- Length 1000 and 2000 mm



Part No.	Description	A mm	E mm	P mm	ØD mm	ØM	kg
550290	TCB 20 x 10 x 1000	20	10	25	10	M8	1.67
550180	TCB 30 x 10 x 1000	30	10	25	10	M8	2.50

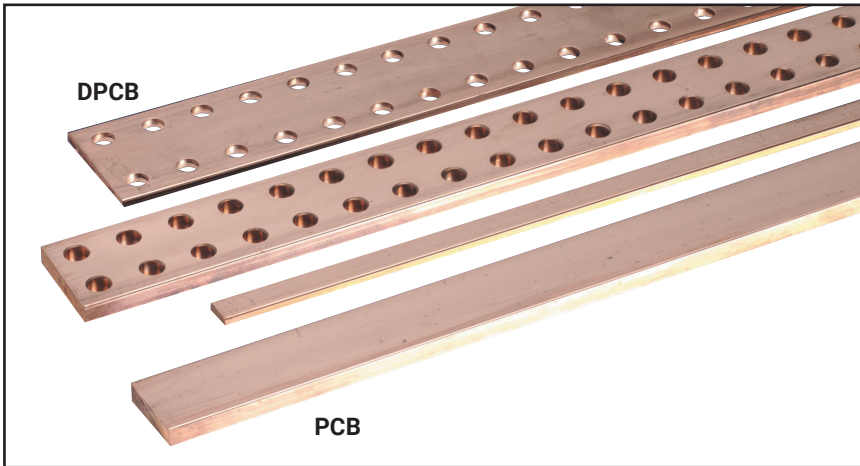
Part No.	Description	A mm	E mm	P mm	ØD mm	ØM	kg
550160	TCB 30 x 10 x 2000	30	10	25	10	M8	5.4

OTHER THREADED BARS ON REQUEST

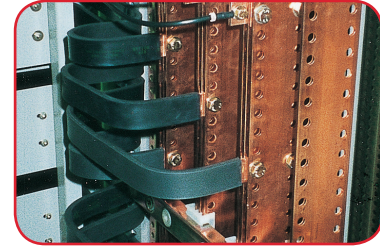
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Copper Busbars

PUNCHED AND PLAIN BUSBARS



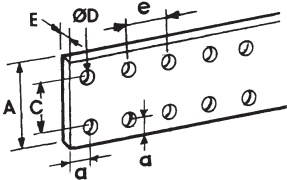
- Design and assembly time saving
- Current: up to 7400 A
- Thickness: from 4 to 10 mm
- Length: from 1000 to 4000 mm



DPCB Punched Busbars

Thickness 5 mm

- Length 1750 mm
- Width 25 to 125 mm



Part No.	Description	A mm	C mm	a mm	e mm	ØD mm	kg
550400	DPCB 25 x 5	25	12.5	25	10.5	2	1.40
550410	DPCB 50 x 5	50	25	12.5	25	10.5	3.40
550420	DPCB 63 x 5	63	38	12.5	25	10.5	4.40
550430	DPCB 80 x 5	80	55	12.5	25	10.5	5.70
550440	DPCB 100 x 5	100	75	12.5	25	10.5	7.25
550450	DPCB 125 x 5	125	100	12.5	25	10.5	9.20

Thickness 10 mm

- Length 1750 mm
- Width 50 to 120 mm

Part No.	Description	A mm	C mm	a mm	e mm	ØD mm	kg
550350	DPCB 50 x 10	50	25	12.5	25	10.5	6.8
550360	DPCB 60 x 10	60	35	12.5	25	10.5	8.8
550370	DPCB 80 x 10	80	55	12.5	25	10.5	11.4
550380	DPCB 100 x 10	100	75	12.5	25	10.5	14.5
550390	DPCB 120 x 10	120	95	12.5	25	10.5	18.4

PCB Plain Busbars

Thickness 4 or 5 mm

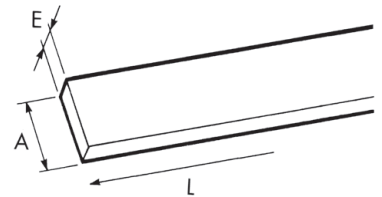
- Length 1000 and 2000 mm

Part No.	Description	L mm	A mm	E mm	kg
550780	PCB 12 X 4 X 1000	1000	12	4	0.430
550790	PCB 12 X 4 X 2000	2000	12	4	0.850
550770	PCB 12 X 5 X 2000	2000	12	5	1.062

Thickness 5 mm

- Length 2000 - 4000 mm
- Width 20 to 125 mm

Part No.	Description	L mm	A mm	E mm	kg
549600	PCB 2 m 25 x 5	2000	25	5	2.20
549610	PCB 2 m 50 x 5	2000	50	5	4.50
549620	PCB 2 m 63 x 5	2000	63	5	5.60
549630	PCB 2 m 80 x 5	2000	80	5	7.10
549640	PCB 2 m 100 x 5	2000	100	5	8.90
549650	PCB 2 m 125 x 5	2000	125	5	11.10
550600	PCB 4 m 20 x 5	4000	20	5	3.56
550610	PCB 4 m 25 x 5	4000	25	5	4.45
550620	PCB 4 m 30 x 5	4000	30	5	5.34
550630	PCB 4 m 40 x 5	4000	40	5	7.12
550640	PCB 4 m 50 x 5	4000	50	5	8.90
550650	PCB 4 m 60 x 5	4000	60	5	10.68
550660	PCB 4 m 80 x 5	4000	80	5	14.24
550670	PCB 4 m 100 x 5	4000	100	5	17.80
550680	PCB 4 m 125 x 5	4000	125	5	22.24



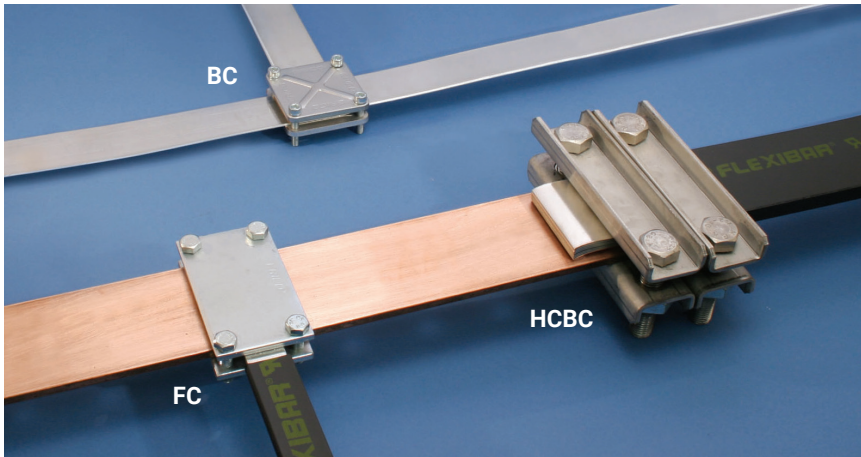
Thickness 10 mm

- Length 2000 - 4000 mm
- Width 30 to 200 mm

Part No.	Description	L mm	A mm	E mm	kg
549700	PCB 2 m 30 x 10	2000	30	10	5.30
549710	PCB 2 m 40 x 10	2000	40	10	7.10
549720	PCB 2 m 50 x 10	2000	50	10	8.90
549730	PCB 2 m 60 x 10	2000	60	10	10.70
549740	PCB 2 m 80 x 10	2000	80	10	14.20
549750	PCB 2 m 100 x 10	2000	100	10	17.80
549760	PCB 2 m 120 x 10	2000	120	10	21.40
550970	PCB 4 m 30 x 10	4000	30	10	10.69
550980	PCB 4 m 40 x 10	4000	40	10	14.25
550900	PCB 4 m 50 x 10	4000	50	10	17.80
550910	PCB 4 m 60 x 10	4000	60	10	21.35
550920	PCB 4 m 80 x 10	4000	80	10	28.50
550930	PCB 4 m 100 x 10	4000	100	10	35.60
550940	PCB 4 m 120 x 10	4000	120	10	42.80
550950	PCB 4 m 160 x 10	4000	160	10	57.00
550960	PCB 4 m 200 x 10	4000	200	10	71.00

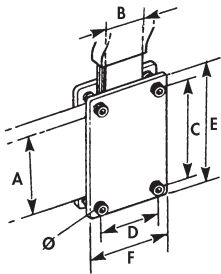
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Connecting Clamps and Accessories



FC nVent ERIFLEX Flexibar Clamp

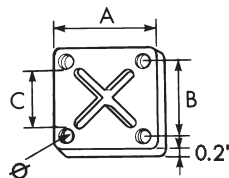
- Clamping capacity: 0.79 inches
- 2 zinc plated steel plates complete with M8 screws 8.8 class



Part No.	Description	A in	B mm	C in	D in	E in	F in	Torque ft/lbs	lbs
553020	FC 50 x 24	2	20-24	2.32	1.42	2.95	2.05	7.37	3 0.7
553030	FC 50 x 32	2	32	2.32	1.73	2.95	2.36	7.37	3 0.8
553040	FC 50 x 40	2	40	2.32	2.05	2.95	2.68	7.37	3 0.91
553050	FC 80 x 24	3.18	20-24	3.5	1.42	4.13	2.05	7.37	3 0.95
553060	FC 80 x 32	3.18	32	3.5	1.73	4.13	2.36	7.37	3 1.08
553070	FC 80 x 50	3.18	50	3.5	2.44	4.13	3.07	7.37	3 1.41
568700	FC 100 x 32	3.97	32	4.29	1.73	4.92	2.36	7.37	3 1.47
568730	FC 120 x 32	4.4	32	5.08	1.73	4.92	2.36	7.37	3 1.67

BC Ribbed-Steel Busbar Clamp

- Clamping capacity: 0.79 inches
- 2 ribbed zinc-plated hardened-steel plates complete with screws
- Maximum clamping capacity is 50 mm using longer screws SAE Grade 5
- UL® 67 recognized

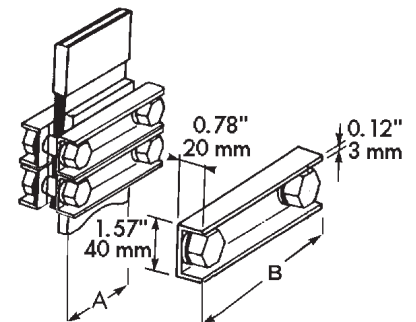


Part No.	Description	A in	B in	C in	Ø mm	Torque ft/lbs	lbs
553200	BC 30	2.2	1.65	1.37	M6	7	8 0.68
553210	BC 40	2.6	2.05	1.77	M6	7	8 0.81
553220	BC 50	3.26	2.52	2.16	M8	20	8 1.30
553230	BC 63	3.66	2.91	2.55	M8	20	4 1.63
553250	BC 80	4.64	3.78	3.34	M10	40	4 2.60
553260	BC 100	5.67	4.64	4.21	M10	40	4 3.79



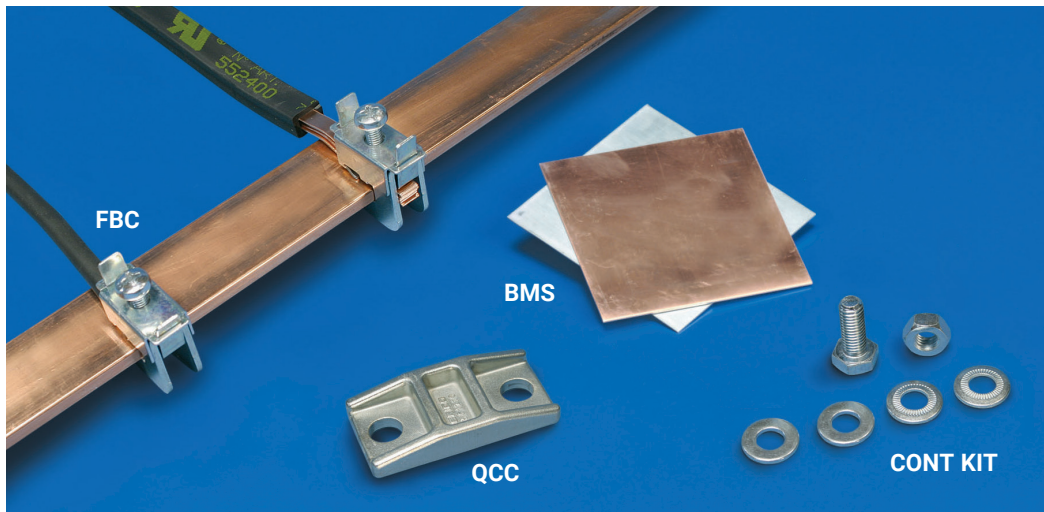
HCBC High Current Busbar Clamp

- Clamping capacity: 1.58 inches
- This modular busbar clamp is designed with non-magnetic materials for high current connections between Flexibar and rigid busbars such as transformer terminals
- Its mechanical design assures rigidity and even contact pressure
- Use 2 clamps to guarantee the contact pressure



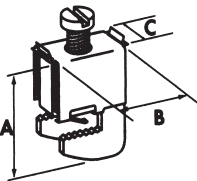
Part No.	Description	Busbar A in	Busbar B mm	Busbar Width B in	Overall Bolt Length in	Torque ft/lbs	lbs
553100	HSBC 80	3.15	80	5.5	2.35	74	1 1.85
553110	HSBC 100	3.94	100	6.3	2.35	74	1 2.03
553120	HSBC 120	4.72	120	7.2	3.15	74	1 2.20

Connecting Clamps and Accessories



FBC Connectors for Connecting without Drilling

- Very compact connector for connecting without drilling to a 5 or 10 mm thick busbar:
- Cables from 1 mm² up to 185 mm² or Flexibar width 6 to 20 mm
- Self-support of connector during mounting procedure
- IEC 60999



Flexibar Type
Connectors for busbars thickness 5 mm

Part No.	Description	A mm	B mm	C mm	Flexibar type	Torque N.m	Cable Size mm ²	Kg
553405	FBC 5 x 4	23	29	11		2	1-4	0.016
553400	FBC 5 x 6	28	31	14	6 mm	3	2.5-16	0.028
553410	FBC 5 x 9	36	40	19	9 mm	6-8	16-50	0.068
553510	FBC 5 x 15.5/44	40	25	15.5 mm	10-12	35-70	15	0.110
553520	FBC 5 x 20	48	40	31	20 mm	12-15	70-185	0.132

Connectors for busbars thickness 10 mm

Part No.	Description	A mm	B mm	C mm	Flexibar type	Torque N.m	Cable Size mm ²	Kg
553505	FBC 10 x 4	28	29	12		2	1-4	0.018
553430	FBC 10 x 6	33	31	14	6 mm	3	2.5-16	0.030
553440	FBC 10 x 9	42	40	19	9 mm	6-8	16-50	0.070
553530	FBC 10 x 15.5/49	40	25	15.5 mm	10-12	35-70	15	0.112
553540	FBC 10 x 20	54	40	31	20 mm	12-15	70-185	0.138

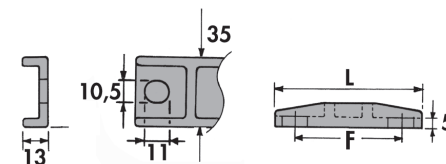
BMS Bimetal Plate

- For high performance contact between an aluminum busbar and a copper busbar.
- 70% aluminum - 30% copper

Part No.	Description	Size	Box	Kg
553080	BMS 100	100 x 100 x 1	10	0.058
553090	BMS 500	500 x 500 x 1	2	1.45

QCC Clamps Flexibar

- For Flexibar thickness ≤ 5 mm = 1 clamp
- For Flexibar thickness > 5 mm = 2 clamps



Part No.	Description	Flexibar width		L mm	F mm	Kg
		min. mm	max. mm			
561200	QCC 6/13	6	13	48	25	0.068
561210	QCC 15.5/32	15.5	32	70	50	0.112
561220	QCC 40/63	40	63	95	75	0.158

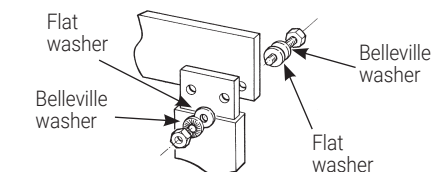
CONT KIT Metal Nuts and Bolts Contact Kits

- For good electrical contact:
- 100 nuts - 100 bolts - 200 flat washers
- 200 contact washers (SAE Grade 5 hardware)

Part No.	Description	Torque ft/lbs	Box
561400	Contact Kit 1/4" - 20 x 5/8"	9	100
561401	Contact Kit 5/16" - 18 x 1-1/4"	18	100
561402	Contact Kit 7/16" - 14 x 1-1/4"	50	100
561403	Contact Kit 7/16" - 14 x 2"	50	100
561404	Contact Kit 1/2" - 13 x 1-1/4"	75	100
561405	Contact Kit 1/2" - 13 x 1-1/2"	75	100
561406	Contact Kit 1/2" - 13 x 2"	75	100

CLAMPING TORQUE CALCULATION

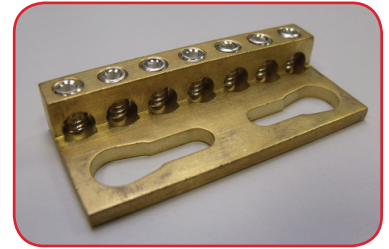
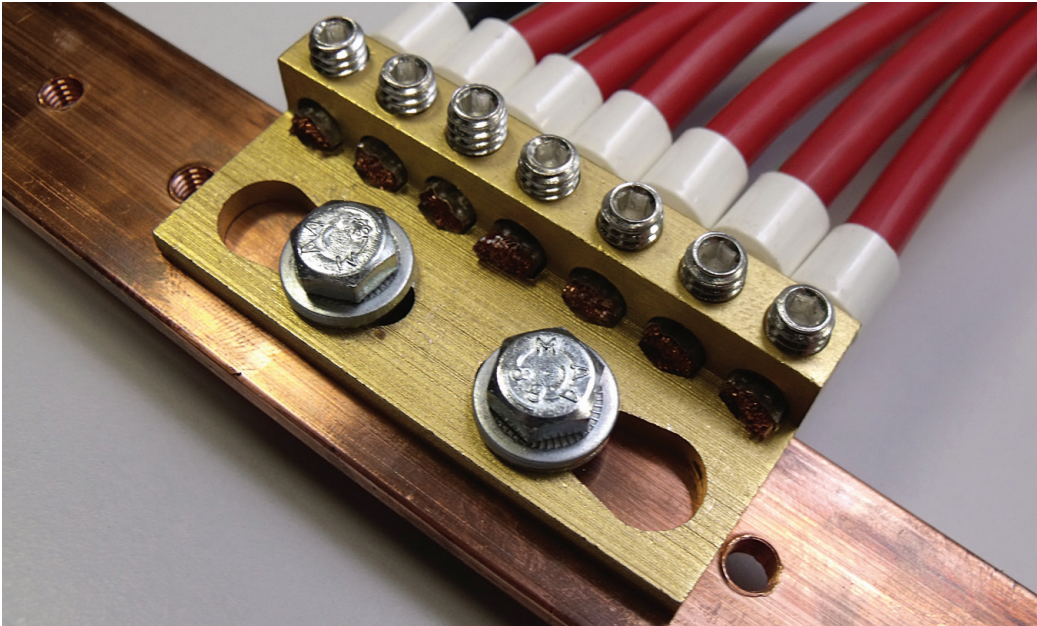
With a class coated bichromated bolt (SAE Grade 5), using "Belleville and Flat" washers tightened with a torque wrench, without lubrication.



Bolt Size	1/4"-20	5/16"-18	3/8"-16	7/16"-14	1/2"-13	9/16"-12	5/8"-11
Torque (ft-lbs)	9	18	31	50	75	110	150

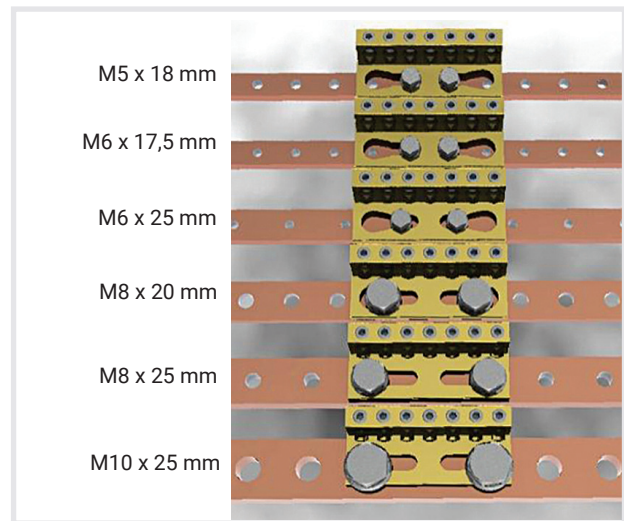
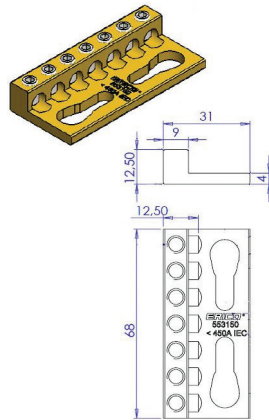
Alt - Metric							
Bolt Size	M6	M8	M10	M12	M14	M16	
Torque (newton-meters)	13	30	60	110	174	274	

Universal Connecting Bar



Universal Connecting Bar CB 7x16² - 450A

- Offers a current rating up to 450A
- Easy to wire with a hexagonal key
- Allows visual inspection of wire and confirmation of connection
- For use with punched or threaded copper busbar
- Can connect up to seven 1.5 to 16 mm² cables
- High fill ratio allows output connection with or without terminal
- Features high-conductivity brass material



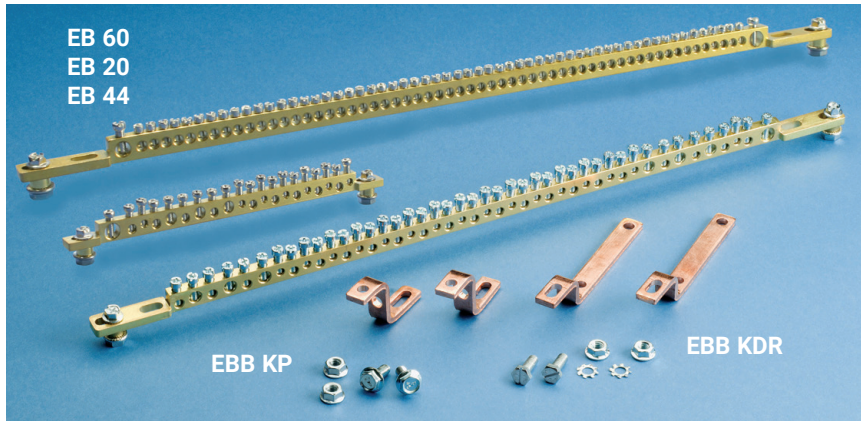
Part No.	Description	Diameter mm	Qty	Kg
553150	CB 7x16 ²	7.5	10	0.082

Metric mm ²	Imperial AWG		Pitch	Torque (N.m)	Torque (inch/lbs)	with terminal	without terminal, rigid cable
1.5 - 16	8 - 1/10	x7	3.5	31			

The connecting bar is a 450 A power distribution bar that is designed to be connected to threaded or perforated copper or tinned aluminum busbar. Part of the nVent ERIFLEX line of low-voltage power distribution products from nVent, this compact system is only 68 mm long and allows for the connection of up to seven 1.5 to 16 mm² output cables.

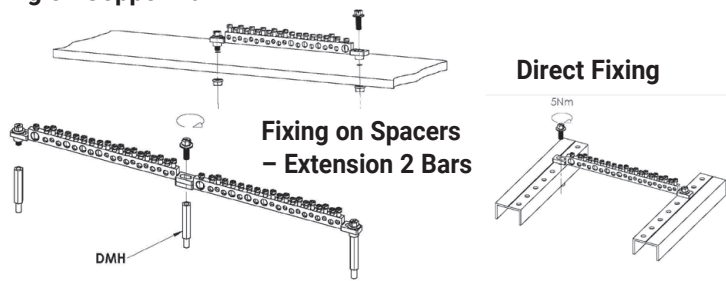
Featuring high-conductivity brass material, the connecting bar is quick and easy to install, requiring only two M5 to M10 screws with a pitch from 18 mm to 25 mm. The hexagonal key helps simplify wiring, and the convenient design allows visual inspection of the wire and confirmation of the connection. The high fill ratio allows an output connection with or without a terminal.

Grounding Parts



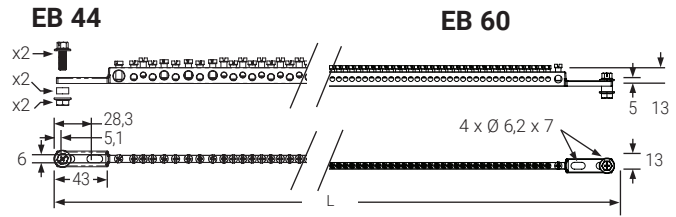
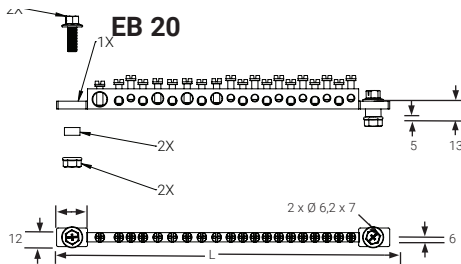
- Universal fixing
- Numerous connections
- Easy connections due to chamfer
- Rigid bar
- High conductivity brass quality
- Copper Brackets kit for easy fixing

Fixing on Copper Bar

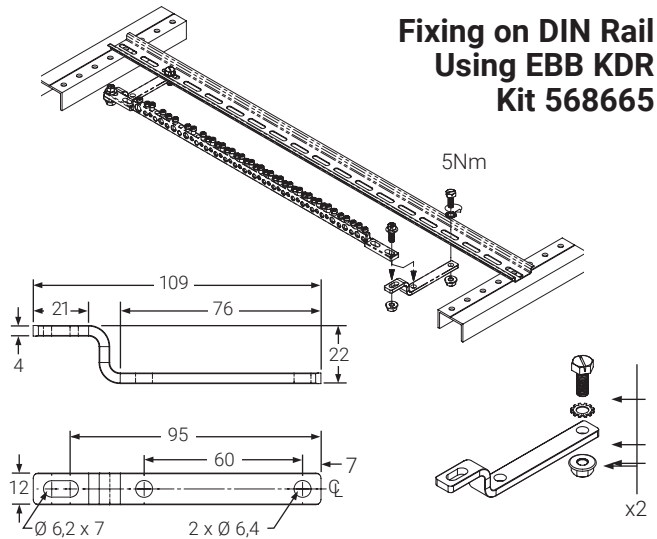


Ø	<12 mm			EB20	EB44	EB60
9.1 mm	16 - 35 mm ²	10 - 35 mm ²	2 Nm	x 1	x 1	x 1
7.0 mm	4 - 16 mm ²	2,5 - 16 mm ²	2 Nm	x 3	x 6	x 1
5.3 mm	2.5 - 6 mm ²	1.5 - 6 mm ²	1.5 Nm	x 9	x 21	
4.5 mm	1.5 - 4 mm ²	0.75 - 4 mm ²	1.5 Nm	x 7	x 17	x 58

Part No.	Description	L		kg
568660	EARTH BAR EB 44	462	1	0.300
568661	EARTH BAR EB 60	462	1	0.311
568662	EARTH BAR EB 20	215	1	0.193

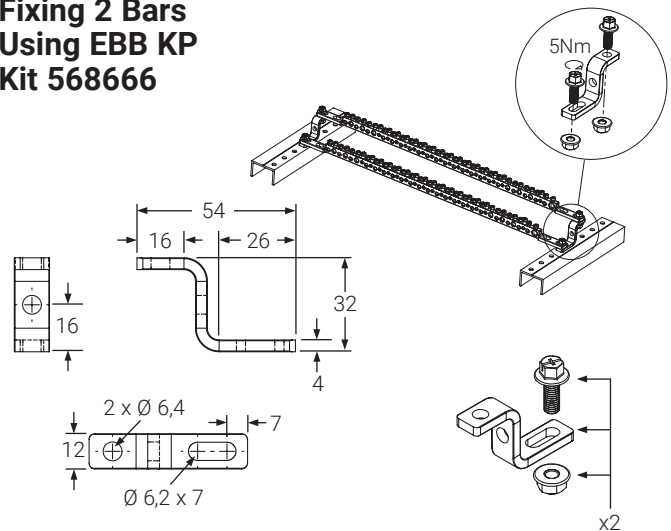


Fixing on DIN Rail Using EBB KDR Kit 568665



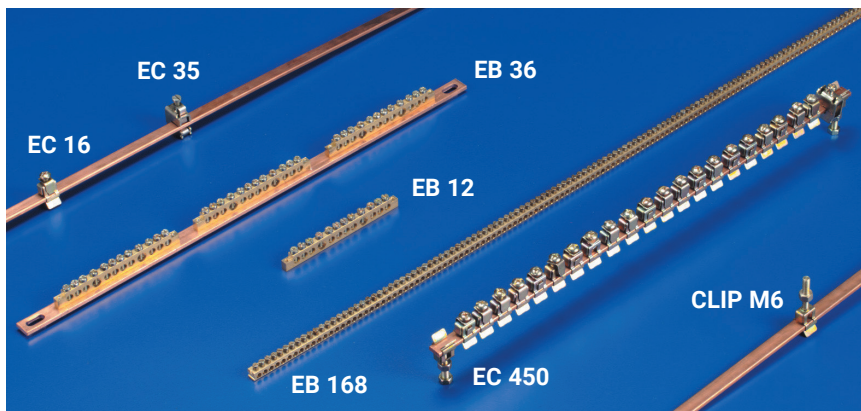
Part No.	Description		kg
568665	EBB KDR KIT DIN RAIL	1	0.064

Fixing 2 Bars Using EBB KP Kit 568666

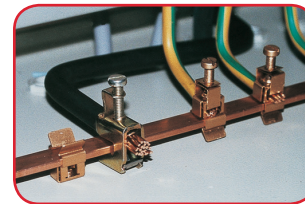


Part No.	Description		kg
568666	EBB KDR KIT PLATE	1	0.102

Grounding Parts

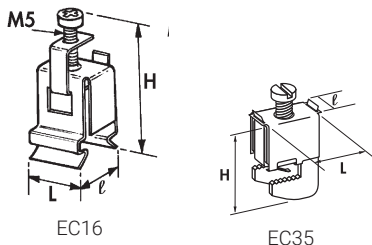


- Quick and easy connections
- Large and versatile range
- Connections: from 2.5 to 35 mm²



EC Earthing Connectors

- FOR PLAIN BARS 12 x 4 and 12 x 5 with rounded corners
- Conductor is clamped through a pressure plate
- Connectors will slide and self-support before fixing of conductor
- Single screw locks clamp and makes connection
- Connections can be added after bar has been mounted

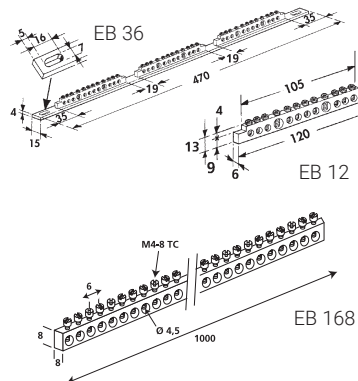


16 mm² flexible cable
35 mm² rigid cable

Part No.	Description	L mm	l mm	H mm	kg
553460	EC 16 ² -4	17	14	38	0.010
553480	EC 16 ² -5	17	14	38	0.010
553470	EC 35	23	11.5	27	0.025

EB Earthing and Neutral Busbar

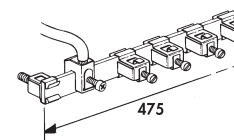
- EB 12: earthing brass busbar 13 x 6 for 10 connections 16 mm² and 2 connections 35 mm²
- EB 36: earthing copper busbar 15 x 4 equipped with 3 EB12
- EB 168: earthing brass busbar 8 x 8 for 168 connections 10 mm² maxi



Part No.	Description	kg
568610	EB 12	0.068
568611	EB 12	0.068
568620	EB 36	0.456
568630	EB 168	0.454

KIT EC 450 Earthing Kit

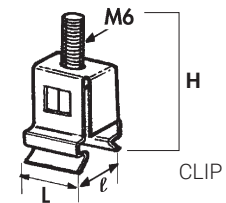
- Plain bar 12 x 4 x 475 mm long.
- 1 connector 35 mm²
- 20 connectors 16 mm² + 2 mounting clips



Part No.	Description	kg
562100	KIT EC 450	0.362

CLIP M6 Mounting Clip

- FOR PLAIN BARS 12 x 4 and 12 x 5



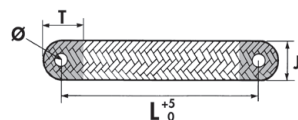
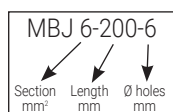
Part No.	Description	L mm	l mm	H mm	kg
553450	CLIP M6-4	17	14	38	0.010
553490	CLIP M6-5	17	14	38	0.010

MBJ

Part No.	Description	Intensity A	Thick mm	Section mm ²	L mm	Ø mm	J mm	T mm	kg
563410	MBJ 6-200-6	40	1.1	6	200	6.5	13	23	0.0167
556640	MBJ 16-200-8	120	1.5	16	200	8.5	15	25	0.033
556740	MBJ 30-200-10	180	2	30	200	10.5	23	33	0.062

BJ

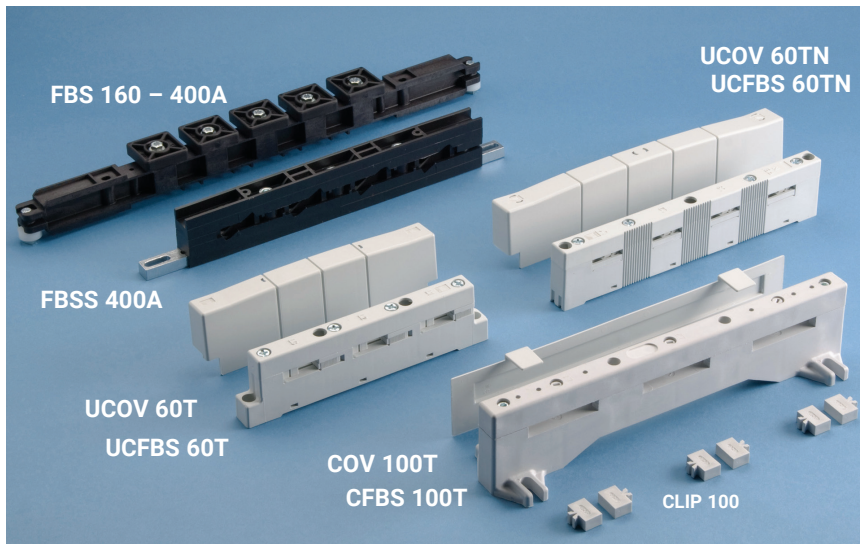
Part No.	Description	Section mm ²	L mm	Ø D mm	Intensity A	kg
556910	BJ 6-200 S	6	200	6.5	45	0.015



Products on this page are world wide and are not UL® Recognized

Busbar Supports

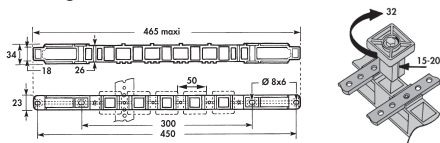
FLAT BUSBAR SUPPORTS



- Universal versatile support
- Minimum space requirement
- Working temperature: -40°C up to 130°C
- Self extinguishing UL® 94 V0

FBS 160 – 400A

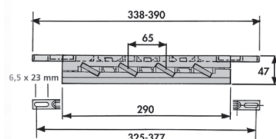
- For threaded bars 15-20-32 x 5 mm, 3 phase & neutral circuit
- Plastic positioning pin for bar location
- A screen can be fixed using spacers
- An earth can be mounted on either right or left side
- Halogen free



Part No.	Description	Bar width mm	Bar thickness mm			kg
551350	FBS 400A	15-20-32	5	1	0.30	

FBSS 400A

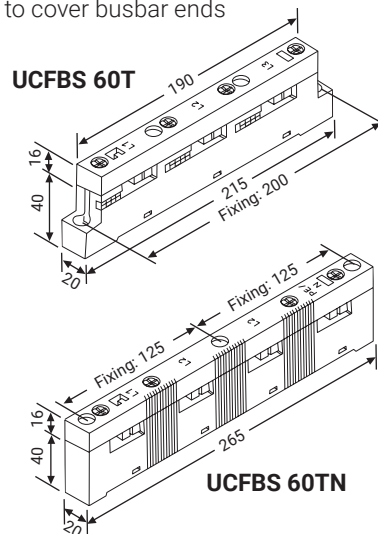
- For bars 32 x 5 without drilling
- Easy connection (inclined bars)
- Adjustable arms for an easy mounting and M6 screw included in the packaging
- Provision for fixing protective screen with self-tapping screws
- Halogen free



Part No.	Description			kg
551190	FBSS 32 x 5	2	0.316	

UCFBS 60 T-TN 160 – 630A

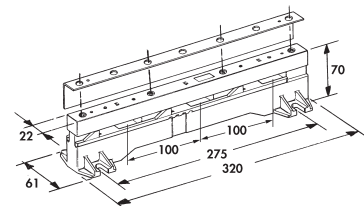
- Bar thickness 5 & 10 mm
- Versatile support for bars 15, 20, 25 and 30 mm
- UL 94 V0
- Max. temp.: 130°C
- End cover 562710 and 562760 to cover busbar ends



Part No.	Description					kg
562700	UCFBS 60 T	15-30 x 5	15-30 x 10	4	0.190	
562710	UCOV 60 T			10	0.028	
562750	UCFBS 60 TN	15-30 x 5	15-30 x 10	4	0.262	
562760	UCOV 60 TN			10	0.034	

CFBS 100 T 630 – 1200A

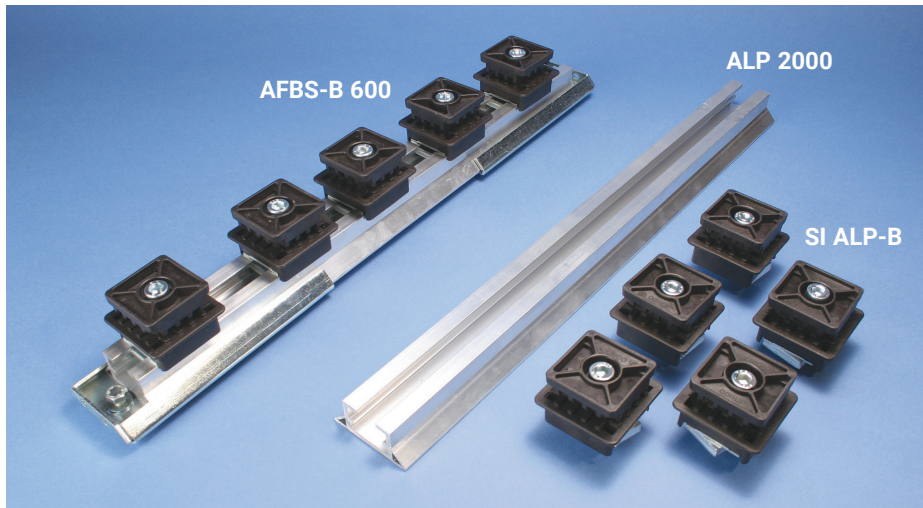
- Bar thickness 10 mm
- Versatile support for bars 30, 40, 50 and 60 – using the clips
- UL 94 V0
- Max. temp.: 130°C
- End cover 562810 to cover busbar ends



Part No.	Description		Number clip per phase			kg
562800	CFBS 100T	60 x 10	4	0.436		
562810	COV 100T		10	0.050		
562820	CLIP 100 30 x 10	30 x 10	2	24	0.004	
562830	CLIP 100 40 x 10	40 x 10	2	24	0.004	
562840	CLIP 100 50 x 10	50 x 10	2	24	0.002	

Busbar Supports

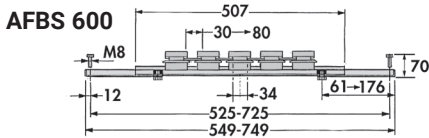
ADJUSTABLE FLAT BUSBAR SUPPORTS



- Adjustable distance between phases
- Quick adjustment to busbar thickness 5 or 10 mm
- High resistance to short-circuit forces
- Excellent security of equipment
- Universal fixing
- Working temperature: -40°C up to 130°C
- Self extinguishing UL® 94 VO

AFBS-B 600 UP TO 1600A

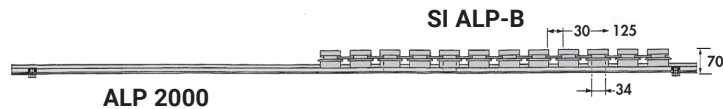
- Versatile support for bars 30 to 80 mm
- For busbar thickness: 5 or 10 mm
- 3 phase + neutral circuit
- Halogen free
- See below for some applications



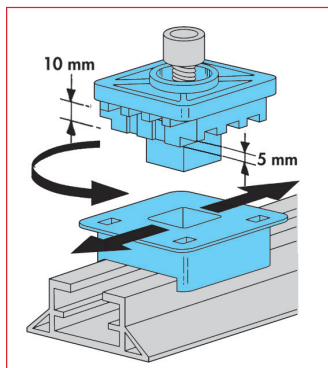
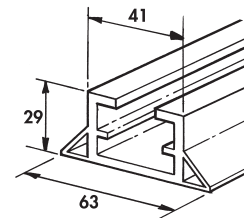
Part No.	Description			kg
504971	AFBS-B 600	1		2.200

AFBS UP TO 2300A

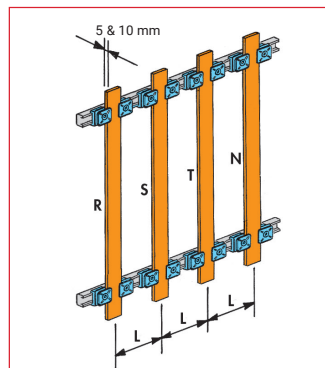
- Versatile support for bars 30 to 125 mm
- to build with:
- ALP 2000 aluminium rail length 2000 mm
- + SI ALP-B insulator blocks
- 3 phase + neutral circuit
- For busbar thickness 5 or 10 mm
- Halogen free



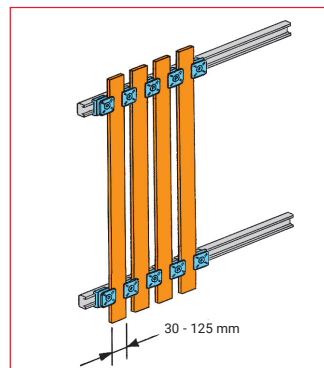
Part No.	Description			kg
504980	ALP 2000	2		2.950
504991	SI ALP-B	12		0.258



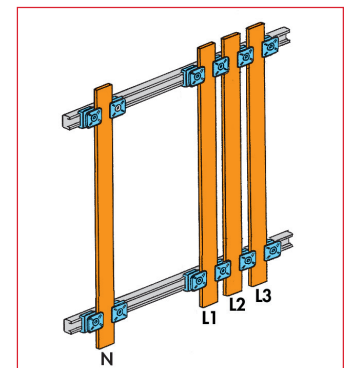
Slide and adjust to busbar thickness (5 or 10 mm) by simply rotating the insulator.



2 insulators per bar. Distance between phases can be adjusted by sliding. See nVent ERIFLEX Software.



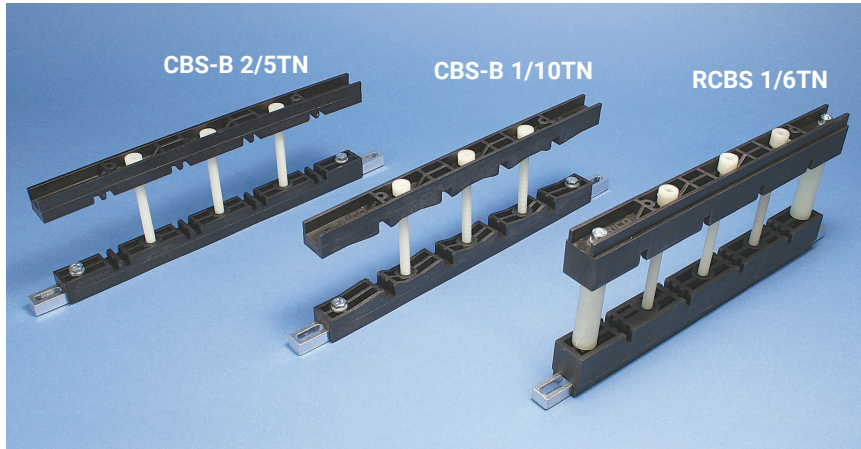
1 insulator can support 2 bars. Fixed distance between bars: 34 mm.



The 2 applications can be combined.

Busbar Supports

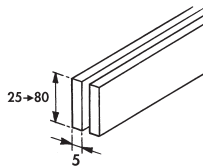
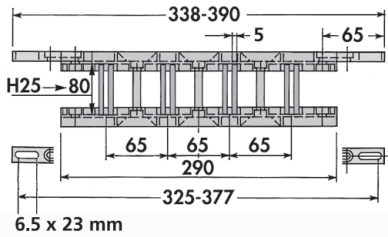
COMPACT AND REINFORCED BUSBAR SUPPORTS



- Minimum space requirement
- Easy and quick assembly
- Fits within 400 mm depth panelboard
- Provision for direct fixing of a screen
- Halogen free
- Working temperature -40°C up to 130°C
- Self extinguishing UL® 94 V0

CBS-B 2/5TN 250-1600A

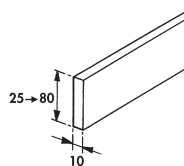
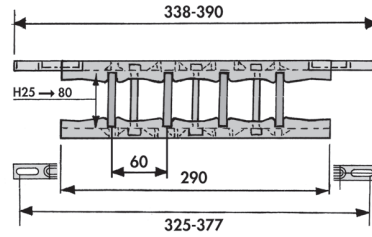
- For bar thickness 5



Part No.	Description	Bar thickness mm	Busbars per phase			kg
551151	CBS-B 2/5 TN	5	2	1		0.200

CBS-B 1/10TN 250-1600A

- For bar thickness 10 mm

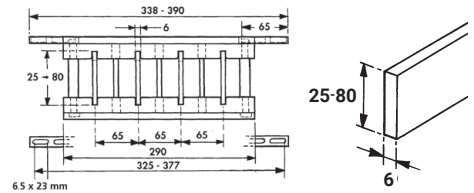


Part No.	Description	Bar thickness mm	Busbars per phase			kg
551181	CBS-B 1/10 TN	10	1	1		0.260

RCBS 1/6TN-1/10TN Mechanically Reinforced

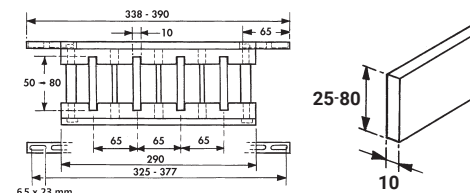
- Distance between copper bars and frame: 24 mm

- RCBS 1/6TN
- 500-1200A
- for bar thickness: 6.35 mm



Part No.	Description	Bar thickness mm	Number of Busbars per phase			kg
552050	RCBS 1/6 TN*	6	1	1		0.650

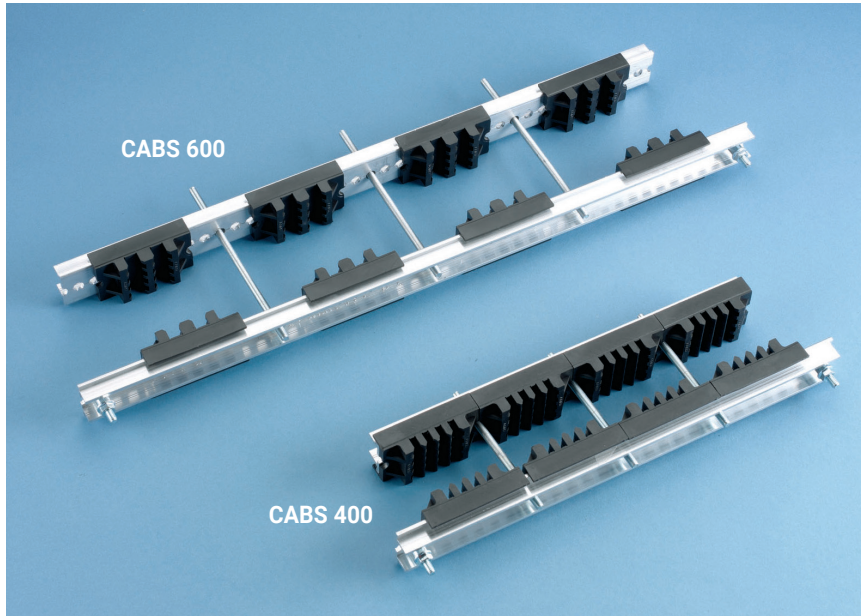
- RCBS 1/10TN
- 500-1600A
- for bar thickness: 10 mm



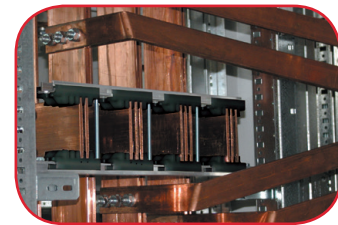
Part No.	Description	Bar thickness mm	Number of Busbars per phase			kg
552070	RCBS 1/10 TN*	10	1	1		0.620

Busbar Supports

COMPACT AND ADJUSTABLE BUSBAR SUPPORTS

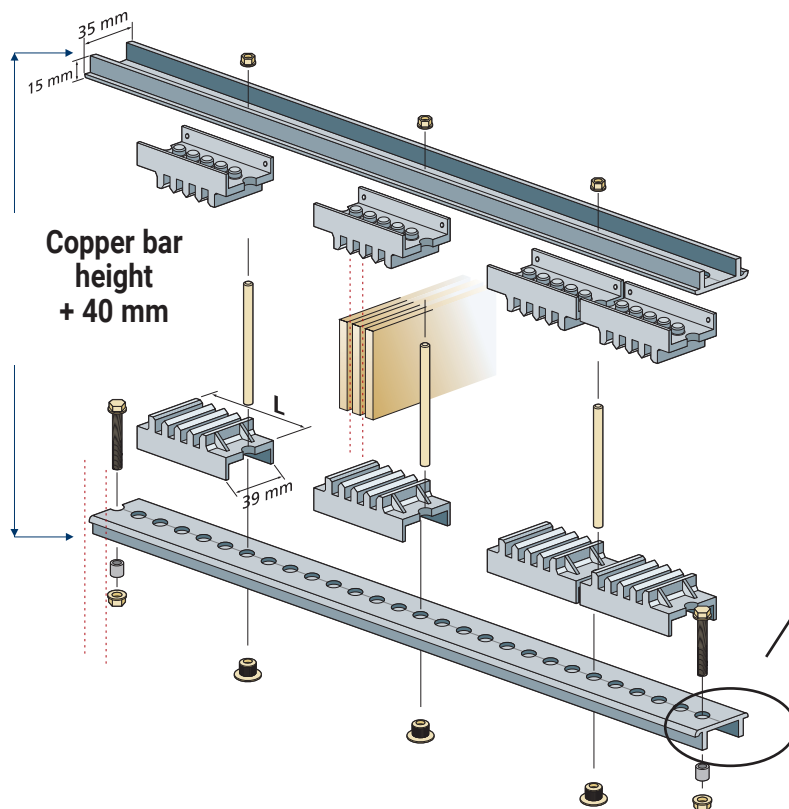


- Universal fixing support
- Easy to install
- Adjustable distance between each phase (12.5 mm pitch)
- Standard or customised support
- Cost-effective
- For all busbar types and nVent ERIFLEX EriLink busducts
- Halogen Free
- Working temperature: -40°C up to 130°C
- Self extinguishing UL® 94 V0



Technical Features

- Panels: 300 to 800 mm
- Bars: 30 to 125 mm
- Thickness: 5 or 10 mm
- From 400A up to 4500 A



Aluminum Profile Rigidity
How to improve the Bending
Resistance, according to your
configuration:



Single



Double Version 1



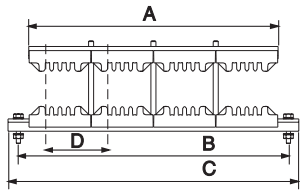
Double Version 2

For calculation purpose:
see nVent ERIFLEX Software

Busbar Supports

COMPACT AND ADJUSTABLE BUSBAR SUPPORTS (CABS)

Standard CABS Supports Ready To Use:

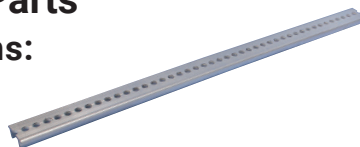


	CABS400	CABS600
A	300	500
B	325	525
C	350	550
D	75	75 → 125
4/5TN	549310	549260
2/10TN	549320	549270

Part No.	Description		kg	L
549310	CABS 4/5 TN 400	1	0.800	75
549320	CABS 2/10 TN 400	1	0.770	75
549260	CABS 4/5 TN 600	1	0.840	75
549270	CABS 2/10 TN 600	1	0.810	75

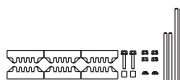
Customized Support: Just 3 Parts Less Parts... More Configurations:

1 Aluminum Profile 2M (CABS App)

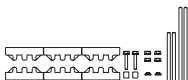


Part No.	Description		kg
549300	CABS APP	2	0.90

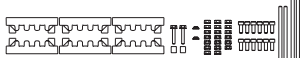
2 6 CABS Modules:



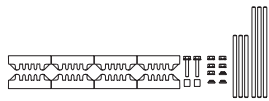
CABS 4/5 T MODULE:
1 to 4 BARS
30 -> 125 x 5 mm



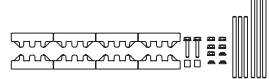
CABS 2/10 T MODULE:
1 to 2 BARS
30 -> 120 x 10 mm



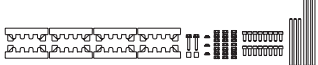
CABS 3/10 T MODULE:
1 to 3 BARS
30 -> 120 x 10 mm



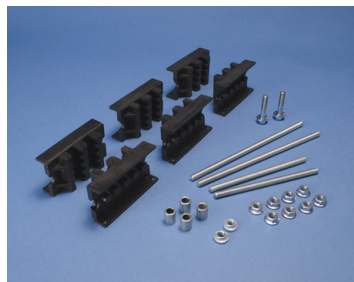
CABS 4/5 TN MODULE:
1 to 4 BARS
30 -> 125 x 5 mm



CABS 2/10 TN MODULE:
1 to 2 BARS
30 -> 120 x 10 mm

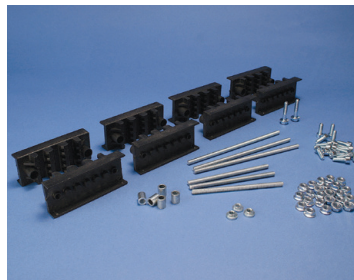


CABS 3/10 TN MODULE:
1 to 3 BARS
30 -> 120 x 10 mm



T = 3 Phases

Part No.	Description		kg	L
549370	CABS 4/5 T MOD	1	0.39	75
549380	CABS 2/10 T MOD	1	0.37	75
549390	CABS 3/10 T MOD	1	0.45	100



TN = 3 Phases + Neutral

Part No.	Description		kg	L
549340	CABS 4/5 TN MOD	1	0.50	75
549350	CABS 2/10 TN MOD	1	0.48	75
549360	CABS 3/10 TN MOD	1	0.58	100

3 ACCESSORIES: BRACKETS FOR SUPPORTS FIXING



BRACKET CABS M



BRACKET CABS T KIT



BRACKET CABS E



BRACKET CABS TH KIT



BRACKET CABS BT



BRACKET CABS SV



BRACKET CABS RV

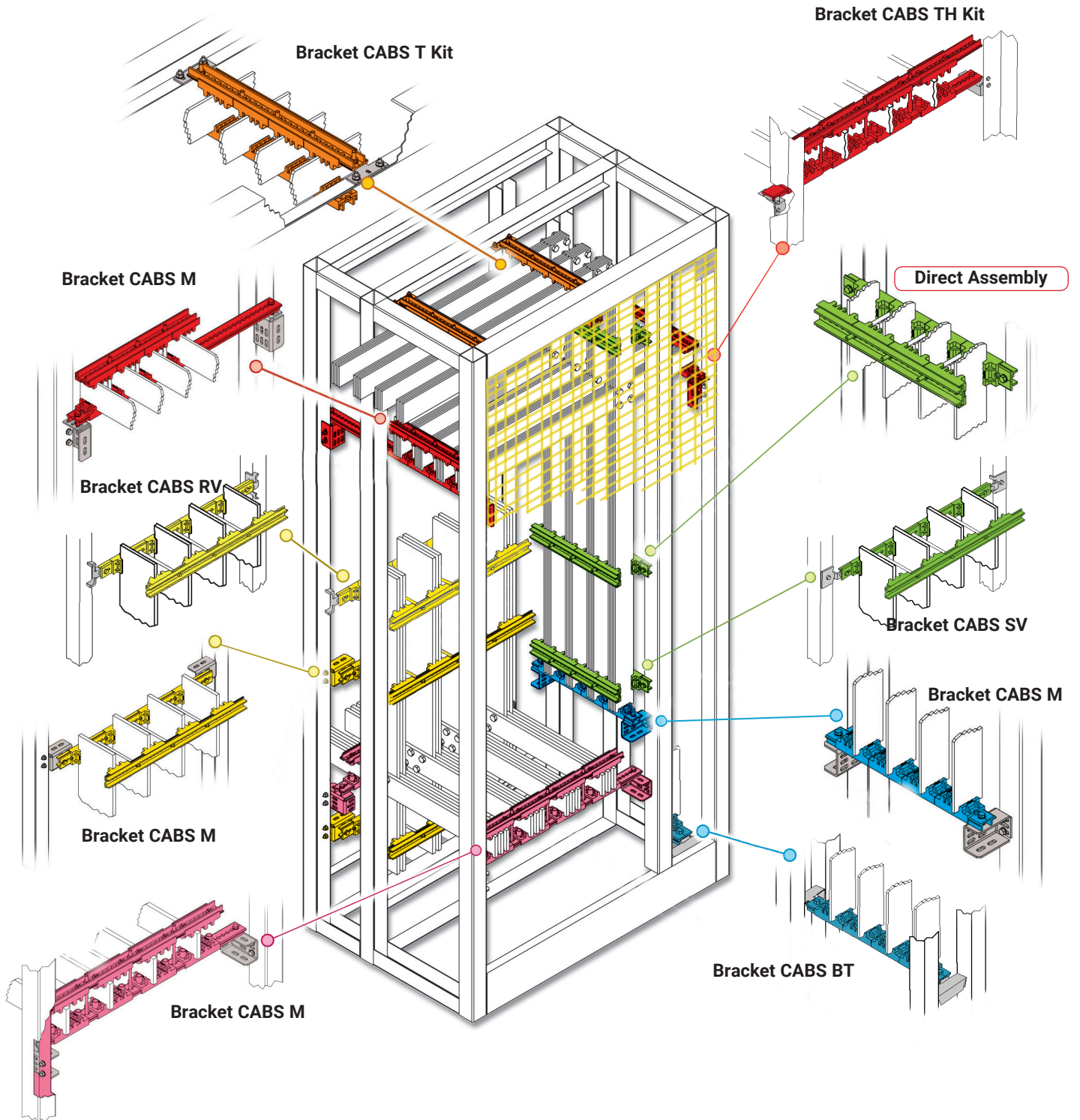


ADD. KIT CABS Fixing

Part No.	Description		kg
549450	CABS Bracket TH Kit	5	0.250
549460	CABS Bracket BT	10	0.200
549470	CABS Bracket SV	10	0.050
549480	CABS Bracket RV	10	0.060
549400	CABS T SET	5	0.110
549410	CABS E	10	0.046
549420	CABS M	10	0.200
549430	ADD. Kit CABS Fixing	1	0.310

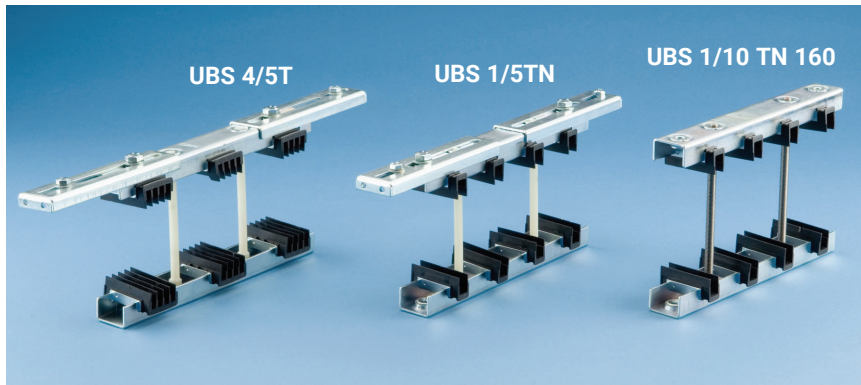
Busbar Supports

COMPACT AND ADJUSTABLE BUSBAR SUPPORTS (CABS)



Busbar Supports

UNIVERSAL BUSBAR SUPPORTS

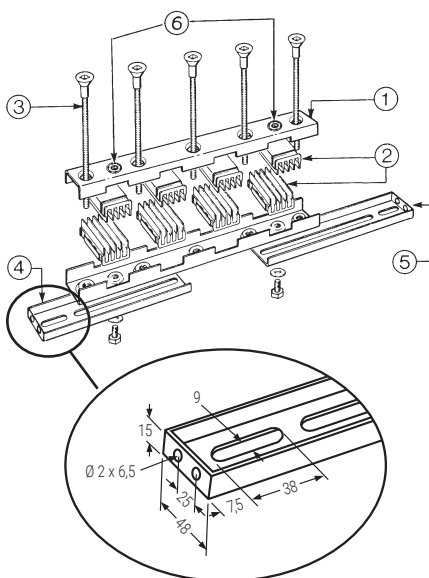


- Complete range of 15 supports
- Extremely robust construction
- Universal fixing system
- Time saving during mounting procedure
- Halogen free insulators
- Working temperature: -40°C up to 130°C
- Self extinguishing UL® 94 V0

Technical Characteristics

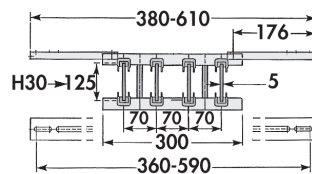
- 1) 2.5 mm reinforced and formed zinc plated steel sheet
- 2) Insulators in polyamide, glass fiber reinforced, halogen free
- 3) Busbars fixed and tightened using reinforced polyamide M10 screws (in stainless steel for bars 160 and 200 mm)
- 4) Adjustable distance between fixing centers
- 5) Distance between lateral fixing centers: 25 mm
- 6) Provision for direct fixing of a screen using 2 M10 integrated flush nuts

T = 3 phases
TN = 3 phases + neutral



UBS 1/5TN 1700A

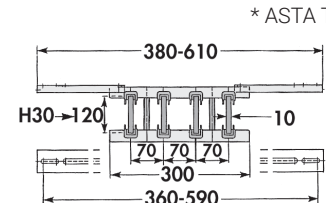
- 3 phase + neutral circuit
- Busbar thickness: 5 mm
- Busbar width: 30 to 125 mm



Part No.	Description	Number of Busbars per phase	kg
551000	UBS 1/5 TN	1	1.86

UBS 1/10TN 2250A

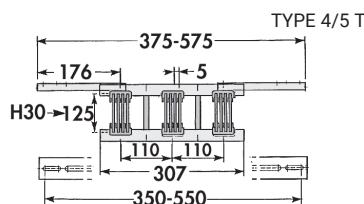
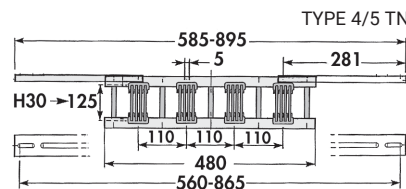
- 3 phase + neutral circuit
- Busbar thickness: 10 mm
- Busbar width: 30 to 120 mm



Part No.	Description	Number of Busbars per phase	kg
551060	UBS 1/10 TN*	1	1.86

UBS 4/5T & 4/5TN 3500A

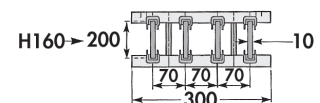
- 3 phase (4/5 T)
- 3 phase + neutral circuit (4/5 TN)
- Busbar thickness: 5 mm
- Busbar width: 30 to 125 mm



Part No.	Description	Number of Busbars per phase	kg
551010	UBS 4/5 TN	1-4	2.88
551020	UBS 4/5 T	1-4	2.22

UBS 1/10TN 160 & 200 3500A

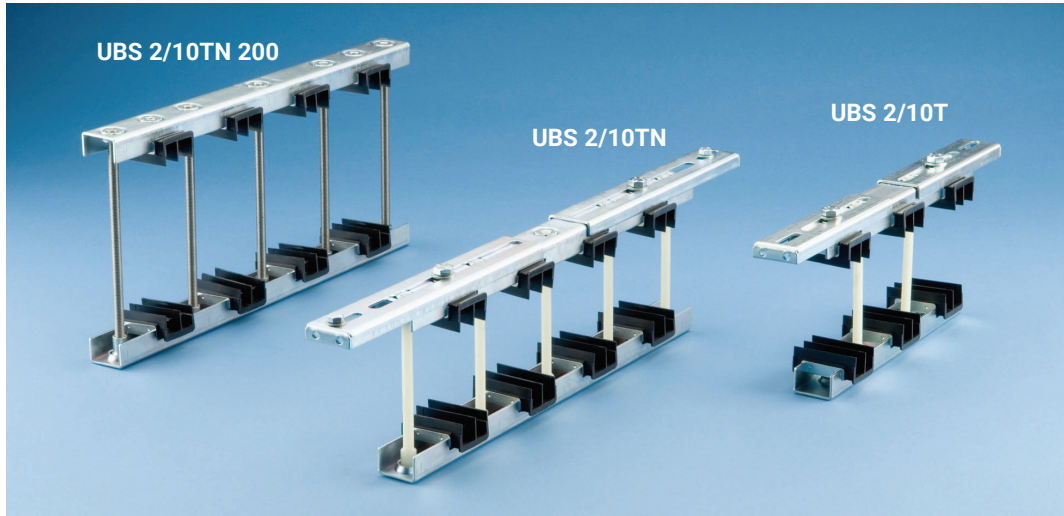
- 3 phase + neutral circuit
- Busbar thickness: 10 mm
- Busbar width: 160 to 200 mm
- Assembling without extension arms



Part No.	Description	Number of Busbars per phase	kg
561500	UBS 1/10 TN 160	1	2.30
561510	UBS 1/10 TN 200	1	2.40

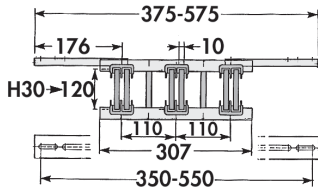
Busbar Supports

UNIVERSAL BUSBAR SUPPORTS



UBS 2/10T 3600A

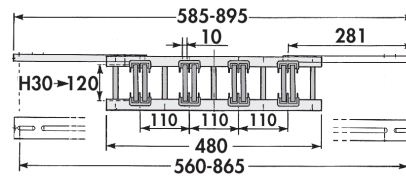
- 3 phase
- Busbar thickness: 10 mm
- Busbar width: 30 to 120 mm



Part No.	Description	Number of Busbars per phase			kg
551080	UBS 2/10 T	1-2	1		2.18

UBS 2/10TN 3600A

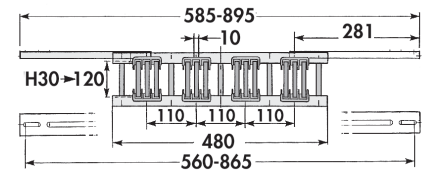
- 3 phase + neutral circuit
- Busbar thickness: 10 mm
- Busbar width: 30 to 120 mm



Part No.	Description	Number of Busbars per phase			kg
551070	UBS 2/10 TN	1-2	1		2.86

UBS 3/10TN 4500A

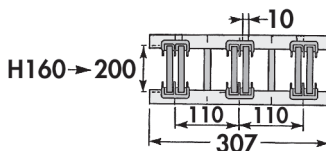
- 3 phase + neutral
- Busbar thickness: 10 mm
- Busbar width: 30 to 120 mm



Part No.	Description	Number of Busbars per phase			kg
551090	UBS 3/10 TN	1-3	1		2.90

UBS 2/10T 160 & 200 5700A

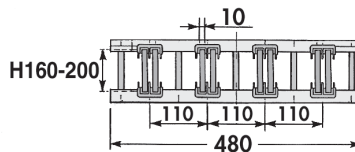
- 3 phase
- Busbar thickness: 10 mm
- Busbar width: 160 to 200 mm
- Assembling without extension arms



Part No.	Description	Number of Busbars per phase			kg
561520	UBS 2/10 T 160	1-2	1		2.60
561530	UBS 2/10 T 200	1-2	1		2.70

UBS 2/10TN 160 & 200 5700A

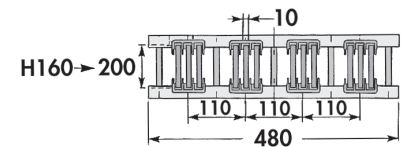
- 3 phase + neutral circuit
- Busbar thickness: 10 mm
- Busbar width: 160 to 200 mm
- Assembly without extension arms



Part No.	Description	Number of Busbars per phase			kg
561870	UBS 2/10 TN 160	1-2	1		3.40
561880	UBS 2/10 TN 200	1-2	1		3.50

UBS 3/10TN 160 & 200 7400A

- 3 phase + neutral circuit
- Busbar thickness: 10 mm
- Busbar width: 160 to 200 mm
- Assembling without extension arms



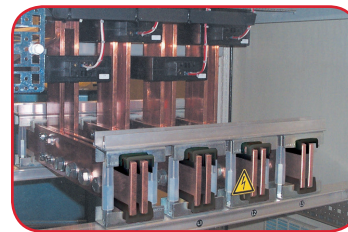
Part No.	Description	Number of Busbars per phase			kg
561540	UBS 3/10 TN 160	1-3	1		3.40
561550	UBS 3/10 TN 200	1-3	1		3.50

Busbar Supports

ADJUSTABLE BUSBAR SUPPORT



- Freedom to select the desired distance
- Extremely robust construction
- Universal fixing system
- Time saving due to rapid assembly process
- Working temperature: -40°C up to 130°C
- Halogen free
- Self extinguishing UL® 94 V0



ABS

Offering Real Simplicity With Just 2 Components:

- 1 – Aluminum profiles 2 m
- 2 – Single kits enabling phase assembly

• Up To 7400 A

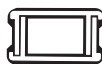
- Panels: 300 to 900 mm
- Bars: 50 to 200 mm
- Thickness: 5 or 10 mm
- Busbars IP 00/Erilink

Freedom With Which To Select:

- The desired distance between each phase
- The desired configuration: bipolar, tripolar, tetrapolar

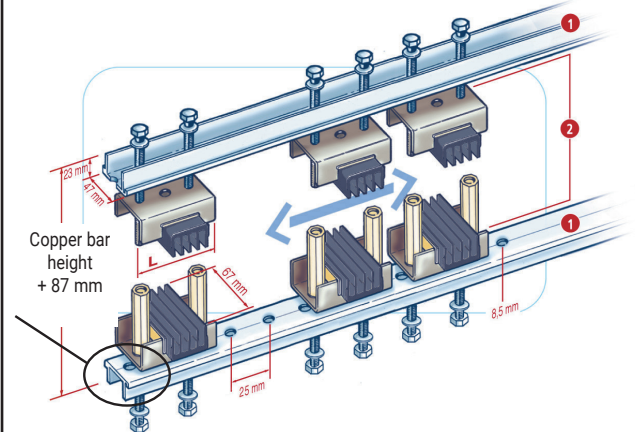
- 1 Aluminum Profiles 2M
2 different options:
 - Punched 25 mm holes pitch
 - Plain to be drilled

Aluminum Profile Rigidity
How to improve the Bending Resistance, according to your configuration:



For calculation purpose:
see nVent ERIFLEX Software

- 2 Single Kits Enabling Phase Assembly
5 different modules:
 - 1/5: 1 bar 50-125 x 5 mm per phase
 - 4/5: 2,3,4 bars 50-125 x 5 mm per phase
 - 1/10: 1 bar 50-120 x 10 mm per phase*
 - 2/10: 2 bars 50-120 x 10 mm per phase*
 - 3/10: 3 bars 50-120 x 10 mm per phase*



Part No.	Description	Designation	kg	L
560930	ABS AP25	ABS perfo alu profile 25	2	1.35
560940	ABS AP	ABS alu profile	2	1.37
560860	ABS 1/5	ABS module 1/5	1	0.64 74
560870	ABS 4/5	ABS module 4/5	1	0.73 99
560880	ABS 1/10	ABS module 1/10	1	0.64 74
560890	ABS 2/10	ABS module 2/10	1	0.73 99
560900	ABS 3/10	ABS module 3/10	1	0.81 124
560910	ABS 160 x 10	ABS kit 160 x 10	1	0.12
560920	ABS 200 x 10	ABS kit 200 x 10	1	0.16
560950	ABS APS	ABS profile stiffener kit	1	0.045
560960	ABS-EA	ABS Erilink adaptor	1	0.170

Accessories

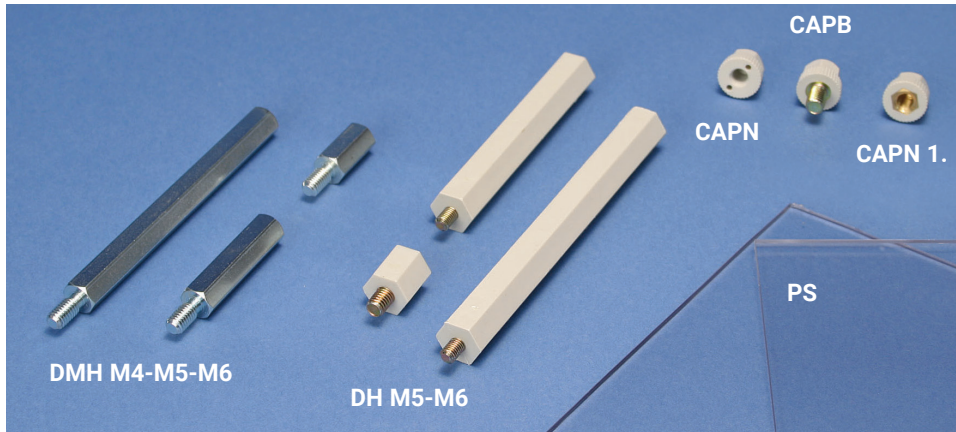
*In Addition To The Above Modules

- Kit 160 x 10 (for 160 x 10 copper bar)
- Kit 200 x 10 (for 200 x 10 copper bar)

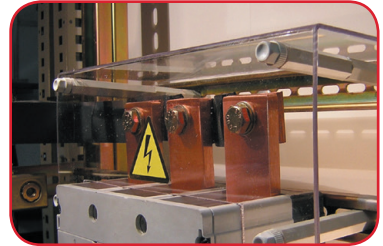
In Addition To The Above Aluminum Profiles:

- Profile stiffener kit (ABS APS)
- Combined profile reinforced
- Aluminum profile fixing with panel

Spacers and Accessories



• A complete range of accessories for easy distribution block assembly



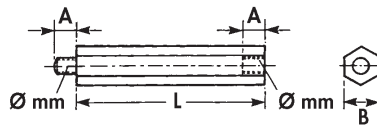
DMH M4-M5-M6 Metallic spacers

- Metallic hexagonal spacers
- Zinc plated steel
- To make higher plates, screens or profiles
- Male-female allowing stable mounting
- See drawing on DH

Part No.	Description	L mm	Ø mm	A mm	B mm			kg
561560	DMH10M4	10	M4	8-10	7	100	0.003	
561570	DMH15M4	15	M4	8-10	7	100	0.005	
561580	DMH20M4	20	M4	8-10	7	100	0.007	
561590	DMH25M4	25	M4	8-10	7	50	0.008	
561600	DMH30M4	30	M4	8-10	7	50	0.010	
561610	DMH35M4	35	M4	8-10	7	50	0.012	
561620	DMH40M4	40	M4	8-10	7	50	0.0125	
561630	DMH50M4	50	M4	8-10	7	50	0.017	
561640	DMH60M4	60	M4	8-10	7	25	0.019	
561660	DMH15M5	15	M5	10	8	50	0.006	
561670	DMH20M5	20	M5	10	8	50	0.008	
561680	DMH25M5	25	M5	10	8	50	0.010	
561690	DMH30M5	30	M5	10	8	50	0.012	
561700	DMH35M5	35	M5	10	8	25	0.014	
561710	DMH40M5	40	M5	10	8	25	0.016	
561720	DMH50M5	50	M5	10	8	25	0.022	
561730	DMH60M5	60	M5	10	8	25	0.027	
561740	DMH70M5	70	M5	10	8	25	0.029	
561750	DMH80M5	80	M5	10	8	25	0.033	
561760	DMH15M6	15	M6	10	8	50	0.010	
561770	DMH20M6	20	M6	12	8	50	0.012	
561780	DMH30M6	30	M6	12	8	25	0.018	
561790	DMH40M6	40	M6	12	8	25	0.025	
561800	DMH50M6	50	M6	12	8	25	0.032	
561810	DMH60M6	60	M6	12	8	25	0.038	
561820	DMH70M6	70	M6	12	8	25	0.043	
561830	DMH80M6	80	M6	12	8	25	0.052	
561840	DMH90M6	90	M6	12	8	25	0.058	
561850	DMH100M6	100	M6	12	8	10	0.064	

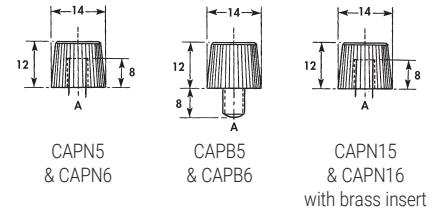
DH M5-M6 Spacers

- Male-female
- Electrotechnical applications
- Insulating part made from polystyrene
- Threaded-end, made from zinc-plated steel
- Working temperature up to 80°C
- Insulation voltage 1000 V



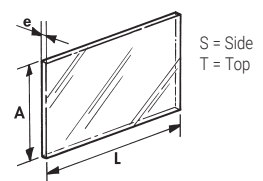
Part No.	Description	L mm	Ø mm	A mm	B mm			kg
560660	DH15M5	15	M5	7	13	100	0.004	
560670	DH20M5	20	M5	7	13	100	0.005	
560600	DH30M5	30	M5	7	13	100	0.006	
560610	DH45M5	45	M5	7	13	100	0.009	
560620	DH55M5	55	M5	7	13	100	0.011	
560630	DH70M5	70	M5	7	13	100	0.014	
560640	DH85M5	85	M5	7	13	100	0.017	
560650	DH120M5	120	M5	7	13	100	0.024	
560740	DH15M6	15	M6	7-8	13	100	0.004	
560750	DH20M6	20	M6	7-8	13	100	0.005	
560700	DH30M6	30	M6	7-8	13	100	0.009	
560710	DH45M6	45	M6	7-8	13	100	0.013	
560720	DH70M6	70	M6	7-8	13	100	0.020	
560730	DH120M6	120	M6	7-8	13	100	0.035	

CAPN-CAPB Cap nuts



Part No.	Description	A			kg
560800	CAPN5	M5	100	0.001	
560810	CAPN6	M6	100	0.001	
560820	CAPN15	M5	100	0.003	
560830	CAPN16	M6	100	0.003	
560840	CAPB5	M5	100	0.004	
560850	CAPB6	M6	100	0.004	

PS Protection screen (made from PVC)



Part No.	Description	L mm	A mm	Ø mm to	Mounts			kg
563120	PS1000x60x3	1000	60	3	BSC125A/S	10	0.302	
563130	PS500x120x3	500	120	3	BSC125A/T	10	0.213	
551330	PS500x126x3	500	126	3	BS125A/T	10	0.224	
551340	PS1000x99x3	1000	99	3	BS125A/S	10	0.498	
551260	PS1000x250x3	1000	250	3	BS400/T	1	1.030	
551280	PS1000x2000x3	1000	2000	3	-	1	8.4	

Insulators



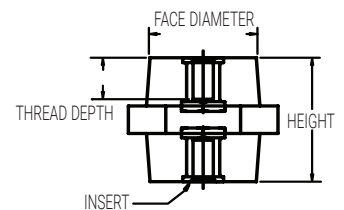
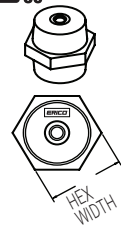
nVent offers a full range of nVent ERIFLEX low-voltage stand-off insulators from 1 inch to 3.5 inches with a total of 29 sizes available. The cost-effective insulators offer great stability of electrical and mechanical parameters and very high resistance to leakage current.

The insulators are manufactured from a halogen-free fiberglass-reinforced thermalset unsaturated polyester molded compound (BMC). Their electro-plated zinc inserts are threaded to ASME® standards. The insulators work in temperatures from -40°F to 266°F.

- Wide range of sizes from 1 inch to 3.5 inches
- Cost effective
- cULus recognized for strength and material
- Working range of -40°F to 266°F
- High resistance to leakage current

The stand-off insulators meet the requirements of UL® 94 VO for self-extinguishing materials and are UL Recognized to Standard 891, Supplement B, Dead-front Switchboards and Accessories, 600 volt, File No. E125470. The insulators are also UL recognized for Canada for material and strength. nVent ERIFLEX insulators are the first on the market to be in compliance with the CSA® standard.

cUL[®] US




Description	Part No.	Part Height	Hex Width	Thread Dia	Thread Depth	Face Dia	Voltage AC	Max Working Load (lbs)*	Qty/box	Weight ea. (lbs)
ISO 1", 1/4-20*	559600	1	1-1/8	1/4	5/16	0.82	600	1500	350	0.057
ISO 1", 5/16-18*	559610	1	1-1/8	5/16	5/16	0.82	600	1500	350	0.059
ISO 1-1/4", 1/4-20	559620	1-1/4	1-5/8	1/4	5/16	1.41	750	2300	675	0.118
ISO 1-1/4", 3/8-16	559640	1-1/4	1-5/8	3/8	3/8	1.41	750	2300	675	0.141
ISO 1-3/8", 3/8-16	559650	1-3/8	1-3/4	3/8	3/8	1.43	750	2300	1200	0.208
ISO 1-1/2", 3/8-16	559660	1-1/2	2	3/8	3/8	1.68	1500	2300	1200	0.347
ISO 1-1/2", 1/4-20	559662	1-1/2	2	1/4	1/2	1.68	1500	2300	1200	0.273
ISO 1-1/2", 5/16-18	559663	1-1/2	2	5/16	1/2	1.68	1500	2300	1200	0.276
ISO 1-3/4", 3/8-16	559670	1-3/4	2	3/8	9/16	1.66	2000	3000	1200	0.382
ISO 1-3/4", 5/16-18	559671	1-3/4	2	5/16	1/2	1.66	2000	3000	1200	0.311
ISO 2", 1/2-13	559681	2	2	1/2	5/8	1.65	2300	3000	1200	0.426
ISO 2", 3/8-16	559680	2	2	3/8	9/16	1.65	2300	3000	1200	0.419
ISO 2", 5/16-18	559682	2	2	5/16	1/2	1.65	2300	3000	1200	0.354
ISO 2-1/8", 3/8-16	559683	2-1/8	2-1/2	3/8	5/8	2.14	2500	3000	1300	0.629
ISO 2-1/8", 1/2-13	559684	2-1/8	2-1/2	1/2	5/8	2.14	2500	3000	1300	0.655
ISO 2-1/8", 5/8-11	559685	2-1/8	2-1/2	5/8	5/8	2.14	2500	3000	1300	0.745
ISO 2-1/4", 1/2-13	559686	2-1/4	2-1/2	1/2	5/8	2.13	2700	4000	1400	0.687
ISO 2-1/4", 3/8-16	559687	2-1/4	2-1/2	3/8	5/8	2.13	2700	4000	1400	0.657
ISO 2-1/2", 1/2-13	559688	2-1/2	2-1/2	1/2	5/8	2.11	3200	4000	1400	0.743
ISO 2-1/2", 3/8-16	559689	2-1/2	2-1/2	3/8	5/8	2.11	3200	4000	1400	0.714
ISO 2-5/8", 5/8-11	559690	2-5/8	2-1/2	5/8	3/4	2.11	3400	4000	1400	0.858
ISO 2-3/4", 1/2-13	559691	2-3/4	2-1/2	1/2	5/8	2.10	3600	4000	1400	0.799
ISO 2-3/4", 3/8-16	559692	2-3/4	2-1/2	3/8	5/8	2.10	3600	4000	1400	0.770
ISO 3", 1/2-13	559693	3	2-1/2	1/2	5/8	2.08	4100	4000	1400	0.853
ISO 3", 3/8-16	559694	3	2-1/2	3/8	5/8	2.08	4100	4000	1400	0.824
ISO 3-1/4", 1/2-13	559695	3-1/4	2-1/2	1/2	5/8	2.06	4500	4000	1400	0.907
ISO 3-1/4", 3/8-16	559696	3-1/4	2-1/2	3/8	5/8	2.06	4500	4000	1400	0.878
ISO 3-1/2", 5/8-11	559697	3-1/2	2-1/2	5/8	3/4	2.05	5000	5000	1400	1.047
ISO 3-1/2", 3/8-16	559698	3-1/2	2-1/2	3/8	3/4	2.05	5000	5000	1400	0.950

* Not recognized for strength

ISOBOLT INSULATOR MOUNTING KITS

- Complete with stud, washer, lock washer, nut
- ISO M sizes
- Zinc plated steel



Part No.	Description	Thread	Length mm		
552200	ISOBOLT 25 M6	M6	25	20	0,008
552220	ISOBOLT 30 M8	M8	30	20	0,017

Insulators

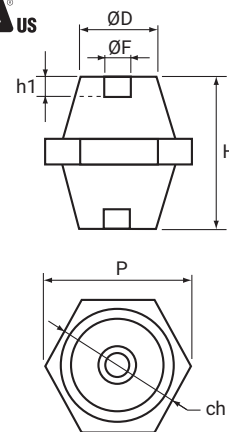
ISO-TP LOW VOLTAGE METRIC INSULATORS



- Working temperature -40°C up to 130°C
- Polyamide material reinforced with glass fiber
- Halogen free
- Zinc plated steel inserts, threaded to ISO standard
- Great stability of electrical and mechanical parameters
- Self-extinguishing: UL® 94 VO

- CE Conformity
- RoHS 2002/95/EC Compliance
- IEC compliance
- UL Recognized in E125470 and evaluated for dielectric withstand rating of 1500 Vac/Vdc
- GOST

Part No.	Description	Dimensional characteristics			Nominal Voltage				Mechanical				
		H mm	Ch mm	ØF mm	h1 mm	ØD mm	P mm	Alternating V	Direct V	Tensile strength daN	Bending strength daN	kg	
548400	ISO TP 15M4	15	14	M4 X 0,7	4	12	16	500	500	150	100	50	0,005
548410	ISO TP 20M4	20	17	M4 X 0,7	4	15	20	1000	1500	150	100	50	0,008
548420	ISO TP 20M6	20	17	M6 X 1	6	15	20	1000	1500	150	100	50	0,012
548700	ISO TP 25M5	25	19	M5 X 0,8	6	18	20	1000	1500	300	160	50	0,016
548430	ISO TP 25M6	25	19	M6 X 1	6	18	20	1000	1500	300	160	50	0,016
548440	ISO TP 30M6	30	30	M6 X 1	8	26	34	1000	1500	600	300	25	0,034
548450	ISO TP 30M8	30	30	M8 X 1,25	8	26	34	1000	1500	600	300	25	0,046
548470	ISO TP 35M6L	35	41	M6 X 1	8	34	46	1000	1500	1100	500	25	0,062
548480	ISO TP 35M8	35	41	M8 X 1,25	8	34	46	1000	1500	1100	800	25	0,074
548490	ISO TP 35M10	35	41	M10 X 1,5	10	34	46	1000	1500	1100	800	25	0,092
548500	ISO TP 40M6	40	46	M6 X 1	9	40	53	1000	1500	1100	800	25	0,098
548510	ISO TP 40M8	40	46	M8 X 1,25	8	40	53	1000	1500	1100	800	25	0,104
548520	ISO TP 40M10	40	46	M10 X 1,5	10	40	53	1000	1500	1100	450	25	0,102
548511	ISO TP 40M12	40	46	M12 X 1,75	14,5	40	53	1000	1500	1100	450	25	0,102
548530	ISO TP 45M6	45	41	M6 X 1	9	34	47	1000	1500	1100	650	25	0,104
548540	ISO TP 45M8	45	41	M8 X 1,25	15	34	47	1000	1500	1100	650	25	0,136
548550	ISO TP 45M8L	45	50	M8 X 1,25	15	41	57	1000	1500	1800	1000	25	0,132
548560	ISO TP 45M10	45	50	M10 X 1,5	10	41	57	1000	1500	1800	700	25	0,116
548570	ISO TP 50M6	50	50	M6 X 1	9	41	57	1000	1500	2000	700	25	0,152
548580	ISO TP 50M8	50	50	M8 X 1,25	15	41	57	1000	1500	2000	1000	25	0,148
548590	ISO TP 50M10	50	50	M10 X 1,5	10	41	57	1000	1500	2000	1000	25	0,196
548581	ISO TP 50M12	50	50	M12 X 1,75	14,5	41	57	1000	1500	2000	1000	25	0,190
548600	ISO TP 60M8	60	55	M8 X 1,25	15	44	63	1000	1500	2200	1000	25	0,192
548610	ISO TP 60M10	60	55	M10 X 1,5	10	44	63	1000	1500	2200	1000	25	0,380
548601	ISO TP 60M12	60	55	M12 X 1,75	14,5	44	63	1000	1500	2200	1000	25	0,360
548602	ISO TP 60M16	60	55	M16 X 2	20	44	63	1000	1500	2200	1000	25	0,350
548609	ISO TP 70M10	70	65	M10 X 1,5	10	52	75	1000	1500	2200	1000	10	0,480
548620	ISO TP 70M12	70	65	M12 X 1,75	14	52	75	1000	1500	2500	1600	10	0,470
548630	ISO TP 70M16	70	65	M16 X 2	20	52	75	1000	1500	2500	1600	10	0,374
548629	ISO TP 75M10	75	65	M10 X 1,5	10	51	75	1000	1500	2200	1000	10	0,530
548640	ISO TP 75M12	75	65	M12 X 1,75	14	51	75	1000	1500	3000	1600	10	0,470
548650	ISO TP 75M16	75	65	M16 X 2	20	51	75	1000	1500	3000	1600	10	0,382
548660	ISO TP 80M12	80	65	M12 X 1,75	14	52	75	1000	1500	3000	1600	10	0,510
548670	ISO TP 80M16	80	65	M16 X 2	20	52	75	1000	1500	3000	1600	10	0,404
548680	ISO TP 100M12	100	65	M12 X 1,75	14	46	75	1000	1500	3000	1000	10	0,476
548690	ISO TP 100M16	100	65	M16 X 2	20	46	75	1000	1500	3000	1500	10	0,508



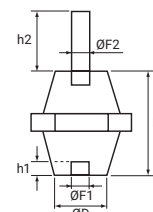
On Request:

- Other Dimensions
- Brass Inserts



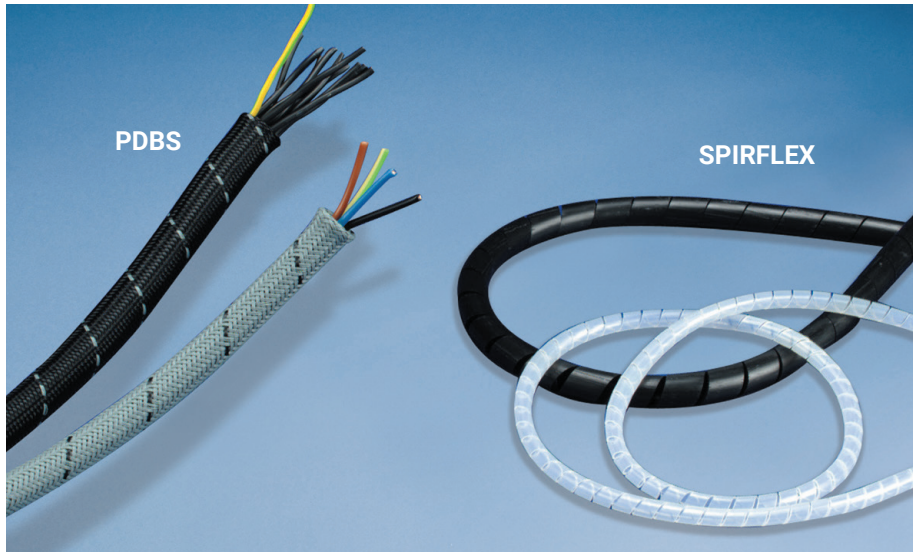
Low Voltage Metric Male/Female Insulators

Part No.	Description	Dimensional characteristics			Nominal Voltage				Mechanical						
		H mm	Ch mm	ØF1 mm	H1 mm	ØD2 mm	H2 mm	ØD mm	P mm	Alternating V	Direct V	Tensile strength daN	Bending strength daN	kg	
541600	ISO TP 60F10M16	60	55	M10 X 1,5	10	M16 X 2	40	44	63	1000	1500	2200	1000	25	0,45
541601	ISO TP 60F12M16	60	55	M12 X 1,75	14	M16 X 2	40	44	63	1000	1500	2200	1000	25	0,44
542030	ISO TP 30 MM8X17/FM8X8	30	30	M 8 X 1,25	8	M 8 X 1,25	17	26	34	1000	1500	600	300	25	0,05
542050	ISO TP 40 MM8X17/FM8X8	40	46	M 8 X 1,25	8	M 8 X 1,25	17	40	53	1000	1500	1100	650	25	0,11
542070	ISO TP 50 MM8X17/FM8X15	50	50	M 8 X 1,25	15	M 8 X 1,25	17	41	57	1000	1500	2000	1000	25	0,15
542080	ISO TP 60 MM8X17/FM8X15	60	55	M 8 X 1,25	15	M 8 X 1,25	17	44	63	1000	1500	2200	1000	25	0,19
542110	ISO TP 80 MM8X17/FM8X15	80	65	M 8 X 1,25	15	M 8 X 1,25	17	52	75	1000	1500	2200	1000	10	0,35
542120	ISO TP 100 MM12X25/FM12X20	100	65	M12 X 1,75	20	M12 X 1,75	20	46	75	1000	1500	3000	1000	10	0,51



Sleeves

CABLING SLEEVES



- Expandable cabling sleeves for many applications
- Wiring mechanical protection aesthetic
- Packed in easy dispense boxes



PDBS Polyamide 6/6 Braided Sleeves

- Highly expandable
- Provide complete wire coverage up to Ø 80 mm
- Halogen free
- Compact range: 10 parts only
- 2 colors: grey or black

Polyamide	
Density (Kg/dm ³)	1,14
Min. working T°	- 40°C
Max. working T°	+ 120°C
Max. T° 1s	240°C
Self-extinguishing	UL 94 V2



Part No.	Description Grey	Part No.	Description Black	Covering Nom. %	Diameter (mm)			Covering Max. %	kg		
					Min.	Max.	kg				
554430	PDBS 5G	554730	PDBS 5B	5	97%	4	100%	8	90%	100	0.010
554450	PDBS 8G	554750	PDBS 8B	8	94%	6	100%	10	91%	100	0.013
554460	PDBS 10G	554760	PDBS 10B	10	95%	8	100%	14	94%	100	0.014
554470	PDBS 12G	554770	PDBS 12B	12	96%	10	100%	16	94%	50	0.018
554490	PDBS 16G	554790	PDBS 16B	16	96%	14	100%	18	98%	50	0.022
554510	PDBS 20G	554810	PDBS 20B	20	95%	16	100%	25	99%	50	0.026
554530	PDBS 30G	554830	PDBS 30B	30	90%	20	100%	35	92%	50	0.029
554550	PDBS 40G	554850	PDBS 40B	40	90%	30	100%	45	94%	50	0.038
554560	PDBS 50G	554860	PDBS 50B	50	95%	40	100%	65	100%	50	0.048
554570	PDBS 70G	554870	PDBS 70B	70	94%	60	100%	80	99%	50	0.054

- * On Request:**
- Polyester Sleeves
 - Rilsan Sleeves
 - Other Material On Study

nVent ERIFLEX Spiriflex Spiriflex Spiral Sleeves

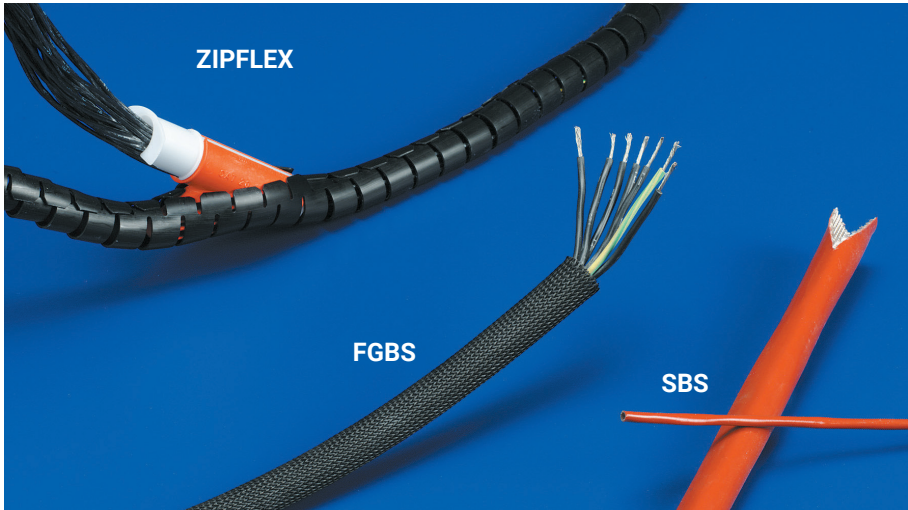
- Spiriflex I:
 - Flame - retardant polyethylene (M2)
 - Color: black
- Spiriflex X
 - White

Part No.	Description	Internal dia. mm	Color	kg
556000	Spiriflex I 6	6	black	50 m 0.012
556010	Spiriflex I 12	12	black	25 m 0.034
556020	Spiriflex I 16	16	black	25 m 0.046
556030	Spiriflex I 22	22	black	25 m 0.060
556100	Spiriflex X 6	6	white	50 m 0.012
556110	Spiriflex X 12	12	white	25 m 0.034

Products on this page are world wide and are not UL® Recognized

Sleeves

CABLING SLEEVES

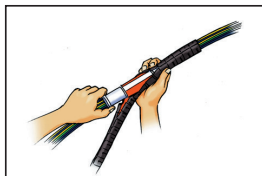
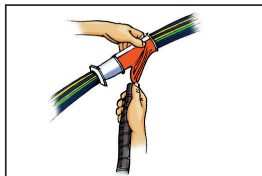
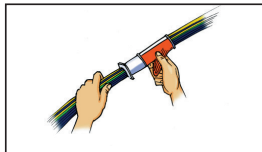


- nVent ERIFLEX Zipflex: Easy screening using nVent ERIFLEX specific tool
- Glass fiber & isolating silicone sleeves: resistant to high temperature



Zipflex Zipflex Sleeves

- Polypropylene
- Easy and quick screening
- Practical tool included in every box
- Color: black
- Usage maxi: T° 140° C
- Usage mini: T° - 30° C
- Continue: T° -30 till + 110° C
- Halogen free UL® 94 HB



Part No.	Description	Internal dia. mm		 kg
554880	Zipflex 8	8	100 m	0.015
554890	Zipflex 15	15	50 m	0.044
554900	Zipflex 20	20	30 m	0.070
554910	Zipflex 25	25	20 m	0.100

FGBS Glass Fiber Braided Sleeves

- Glass fiber impregnated with high temperature varnish
- Thermal insulation and mechanical protection
- Working temperature: -70°C up to 400°C
- Halogen free
- Flammability UL 1441 VW1
- Expandable on a 1 to 3 ratio basis

Part No.	Description	Nominal dia. mm	Max expanded dia. mm		 kg
556200	FGBS 4	4	12	100 m	0.010
556210	FGBS 8	8	24	100 m	0.014
556220	FGBS 10	10	30	100 m	0.016
556230	FGBS 12	12	36	100 m	0.018
556240	FGBS 15	15	45	50 m	0.030
556250	FGBS 20	20	60	50 m	0.044

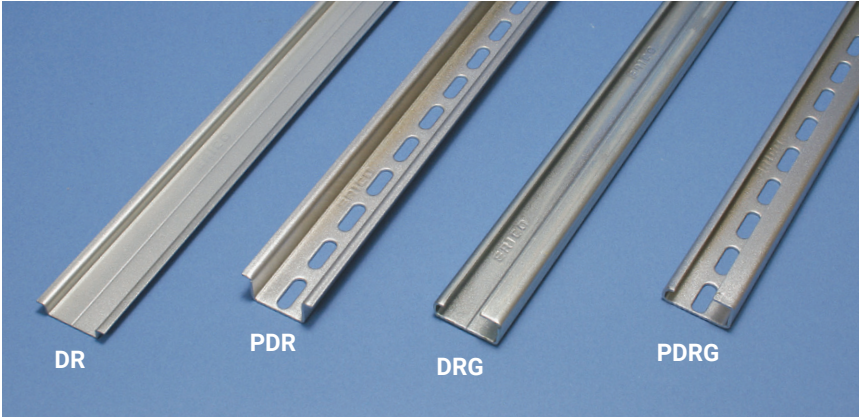
SBS Isolating Silicone Sleeves

- Glass fiber coated with silicone
- Cost effective sleeve for insulation
- High flexibility
- Dielectric voltage: 2.5 Kv
- Working temperature: -60° up to 220°C
- Halogen free
- Flammability UL 1441 VW1

Part No.	Description	Internal dia. mm		 kg
554000	SBS 4	4	100 m	0.020
554010	SBS 6	6	100 m	0.038
554020	SBS 8	8	100 m	0.050
554030	SBS 10	10	100 m	0.054
554040	SBS 12	12	100 m	0.070
554050	SBS 15	15	25 m	0.111
554060	SBS 20	20	25 m	0.148
554070	SBS 25	25	30 m	0.185
554080	SBS 30	30	30 m	0.222

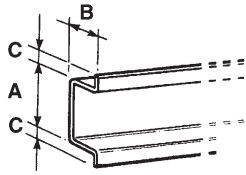
Profiles

STEEL PROFILES



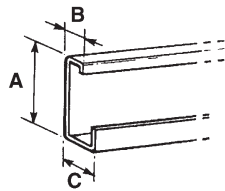
- Galvanized steel construction
- High mechanical resistance and high corrosion resistance
- Conforms to EN 50035 and 50022 and DIN 46277
- Available in symmetric, asymmetric profiles both perforated and solid

DR Symmetric Profiles



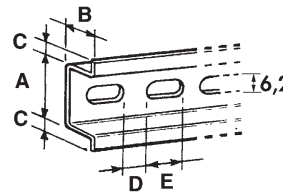
Part No.	Description	Thickness mm	A mm	B mm	C mm	Lg m	kg	
557700	DR 5.5 2m	10/10	10.5	5.5	2	2	15	0.73
557800	DR 7 2m	10/10	27	7.5	4	2	15	1.45
557900	DR 15 2m	15/10	27	15	4	2	15	2.87

DRG Asymmetric Profiles



Part No.	Description	Thickness mm	A mm	B mm	C mm	Lg m	kg	
558000	DRG 2M	15/10	32	9	15	2	15	1.40

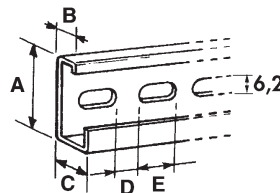
PDR Perforated Symmetric Profiles



Part No.	Description	Thickness mm	A mm	B mm	C mm	D mm	E mm	Lg m	kg	
557750	PDR 5.5 2M	10/10	10.5	5.5	2	7.8	12.2	2	15	0.62
557850	PDR 7 2M	10/10	27	7.5	4	7	18	2	15	1.37
557855	PDR 7 2M*	10/10	27	7.5	4	10	25	2	15	1.37
557950	PDR 15 2M	15/10	27	15	4	7	18	2	15	2.65
557955	PDR 15 2M*	10/10	27	15	4	10	25	2	15	2.65

*Slot width to be 5.2

PDRG Perforated Asymmetric Profiles



Part No.	Description	Thickness mm	A mm	B mm	C mm	D mm	E mm	Lg m	kg	
558050	PDRG 2M	15/10	32	9	15	7	18	2	15	3.04

Cross Reference List

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
504971	14	549340	17	550910	7	554000	26	559682	23	561520	20
504980	14	549350	17	550920	7	554010	26	559683	23	561530	20
504991	14	549360	17	550930	7	554020	26	559684	23	561540	20
541600	24	549370	17	550940	7	554030	26	559685	23	561550	20
541601	24	549380	17	550950	7	554040	26	559686	23	561560	22
542030	24	549390	17	550960	7	554050	26	559687	23	561570	22
542050	24	549400	17	550970	7	554060	26	559688	23	561580	22
542070	24	549410	17	550980	7	554070	26	559689	23	561590	22
542080	24	549420	17	551000	19	554080	26	559690	23	561600	22
542110	24	549430	17	551010	19	554430	25	559691	23	561610	22
542120	24	549450	17	551020	19	554450	25	559692	23	561620	22
548400	24	549460	17	551060	19	554460	25	559693	23	561630	22
548410	24	549470	17	551070	20	554470	25	559694	23	561640	22
548420	24	549480	17	551080	20	554490	25	559695	23	561660	22
548430	24	549600	7	551090	20	554510	25	559696	23	561670	22
548440	24	549610	7	551151	15	554530	25	559697	23	561680	22
548450	24	549620	7	551181	15	554550	25	559698	23	561690	22
548470	24	549630	7	551190	13	554560	25	560600	22	561700	22
548480	24	549640	7	551260	22	554570	25	560610	22	561710	22
548490	24	549650	7	551280	22	554880	26	560620	22	561720	22
548500	24	549700	7	551330	22	554890	26	560630	22	561730	22
548510	24	549710	7	551340	22	554900	26	560640	22	561740	22
548511	24	549720	7	551350	13	554910	26	560650	22	561750	22
548520	24	549730	7	552050	15	556000	25	560660	22	561760	22
548530	24	549740	7	552070	15	556010	25	560670	22	561770	22
548540	24	549750	7	552200	23	556020	25	560700	22	561780	22
548550	24	549760	7	552220	23	556030	25	560710	22	561790	22
548560	24	550160	6	553020	8	556100	25	560720	22	561800	22
548570	24	550180	6	553030	8	556110	25	560730	22	561810	22
548580	24	550190	6	553040	8	556200	26	560740	22	561820	22
548581	24	550200	6	553050	8	556210	26	560750	22	561830	22
548590	24	550210	6	553060	8	556220	26	560800	22	561840	22
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548601	24	550230	6	553080	9	556240	26	560820	22	561870	20
548602	24	550250	6	553090	9	556250	26	560830	22	561880	20
548609	24	550290	6	553100	8	556640	12	560840	22	562100	12
548610	24	550350	7	553110	8	556740	12	560850	22	562700	13
548620	24	550360	7	553120	8	556910	12	560860	21	562710	13
548629	24	550370	7	553150	10	557700	27	560870	21	562750	13
548630	24	550380	7	553200	8	557750	27	560880	21	562760	13
548640	24	550390	7	553210	8	557800	27	560890	21	562800	13
548650	24	550400	7	553220	8	557850	27	560900	21	562810	13
548660	24	550410	7	553230	8	557855	27	560910	21	562820	13
548670	24	550420	7	553250	8	557900	27	560920	21	562830	13
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548700	24	550450	7	553405	9	558000	27	560950	21	563130	22
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549020	6	550620	7	553440	9	559610	23	561210	9	568611	12
549030	6	550630	7	553450	12	559620	23	561220	9	568620	12
549200	6	550640	7	553460	12	559640	23	561400	9	568630	12
549210	6	550650	7	553470	12	559650	23	561401	9	568660	11
549220	6	550660	7	553480	12	559660	23	561402	9	568661	11
549230	6	550670	7	553490	12	559662	23	561403	9	568662	11
549260	17	550680	7	553505	9	559663	23	561404	9	568665	11
549270	17	550770	7	553510	9	559670	23	561405	9	568666	11
549300	17	550780	7	553520	9	559671	23	561406	9	568700	8
549310	17	550790	7	553530	9	559680	23	561500	19	568730	8
549320	17	550900	7	553540	9	559681	23	561510	19		

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ERIFLEX-CAT-P1226B-P1290LT12NAEN-EN-1805