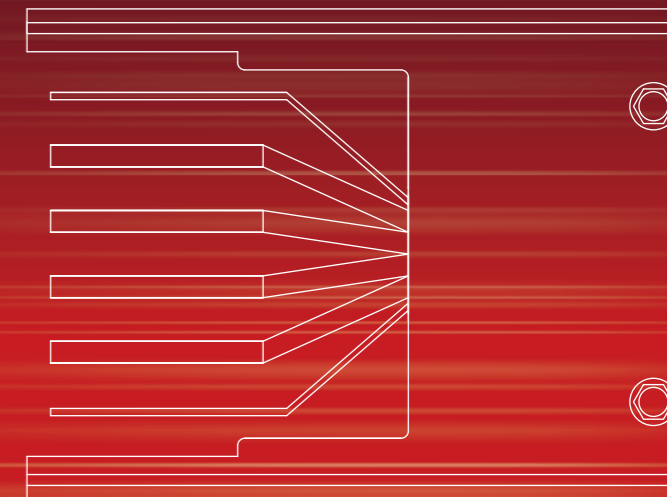
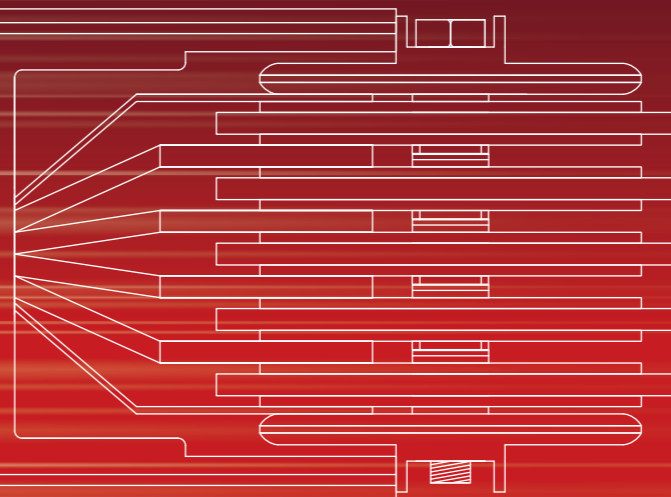


Your Idea System!

BUSBAR TRUNKING SYSTEM BUSWAY 630A ÷ 6300A



***POWERFLOW* Series**

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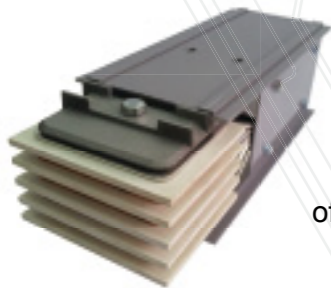
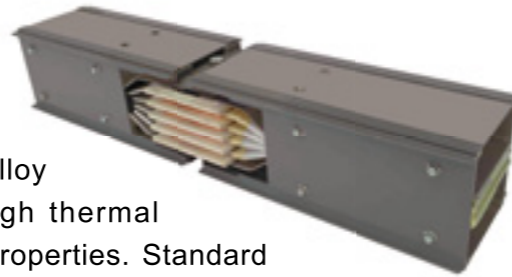
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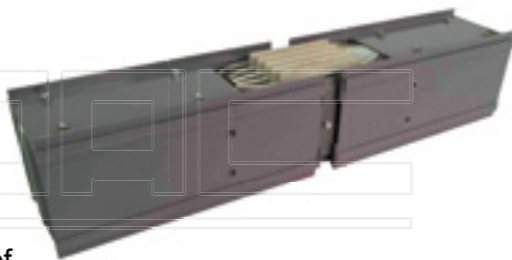
INTRODUCTION

POWERFLOW SERIES

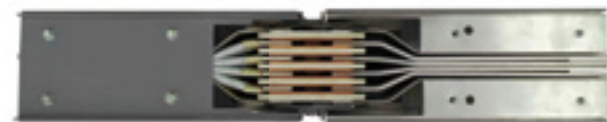
POWERFLOW is one of the most advanced busbar trunking systems for the electrical distribution system in the world, considering its electrical characteristics and safety measures. 3D design, modularly structured and extruded aluminum alloy housing combination has high electrical conductivity, high thermal conductivity, magnetic field isolation and high mechanical properties. Standard product meets IP55 of the protection degree, and IP65/IP66/IP67 are optional. At the same time, IP68 can be offered upon customer's request for straight length.



POWERFLOW features a new generation of aluminum alloy composite material which is better than the traditional aluminum alloy in mechanical strength, heat dissipation, electrical conductivity and low-frequency electromagnetic field isolation. The housing grounding can reach at least 60% of the phase. For certain models the housing grounding may reach 120%.



POWERFLOW features an unique patented Modular Three Compartment design(MTC DESIGN), which places conductors in the central compartment. This not only enables superb thermal diffusion, it also better protects conductors from external impact induced damages, thus realizing superior level of protection among the same class of product in the market. Compared with other metals or non-metallic housing, the new generation aluminum alloy housing features more stable electricity transmission quality, and significantly lower operation temperature rising which would result less power losses.



POWERFLOW provides RAL 7037 for standard painted version, itself provide anti-acid-base and anti-corrosion features. We can provide special stainless steel protective cover to prevent corrosive liquids for special application.



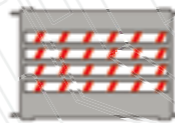
10 YEAR ANTI-CORROSION WARRANTY

POWERFLOW provides The Most Wide Range From 630A To 6300A both in Aluminum and Copper Conductor for all electric System:

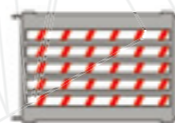
3P



4P



5P



3P + PE (3 Conductors)
3P + N + PE (4 Conductors)
3P + N + 50% INTERNAL GROUNDING BUS + PE (5 Conductors)
3P + N + 100% INTERNAL GROUNDING BUS + PE (5 Conductors)

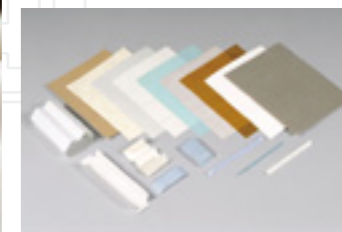
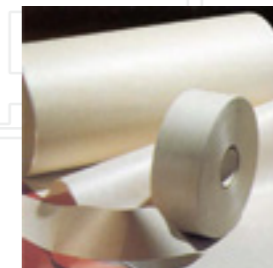
INTRODUCTION

POWERFLOW SERIES

POWERFLOW uses copper conductor with copper content 99.9%, and conductivity greater than 100% IACS. In addition, the conductivity of a new generation of aluminum conductor is 5% higher than the traditional aluminum conductor. It has better thermal conductivity and lower resistance concerning the voltage drop in full load and long distances extreme conditions. Entire length of the conductor can be tin or silver plated upon customer's request.

POWERFLOW uses Class F insulation material (155 ° C). Dielectric Strength: 50kV/mm & Tensile strength: 450N/cm for 0.52mm thick. This technology makes the product enjoy excellent performance in heat resistance, heat aging resistance and chemical resistance. It even increase its advantage over the same level of product in electrical specifications.

POWERFLOW uses high safety plug-in switch box, it uses few check points very easy to install. All check points would ensure plug-in switch box in the position of outlet of busbar. The track-style import / out of the plug-in switch box can be operated at system energized, and completely avoid electric shock risk on the operation. Even if the switch box itself has a high degree of operational safety, we are strongly recommended that it be operated and installed by the authorized professional engineer or disconnected power of the system .



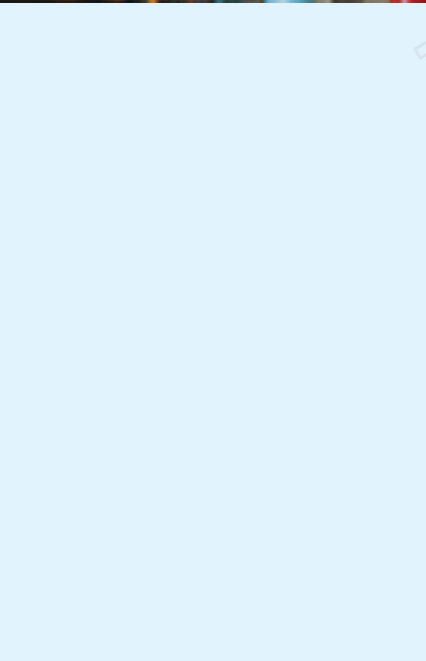
Please kindly contact our local authorized agent or contact us directly shall you have any relevant questions, inquiry or engineering application.

Your Idea System!

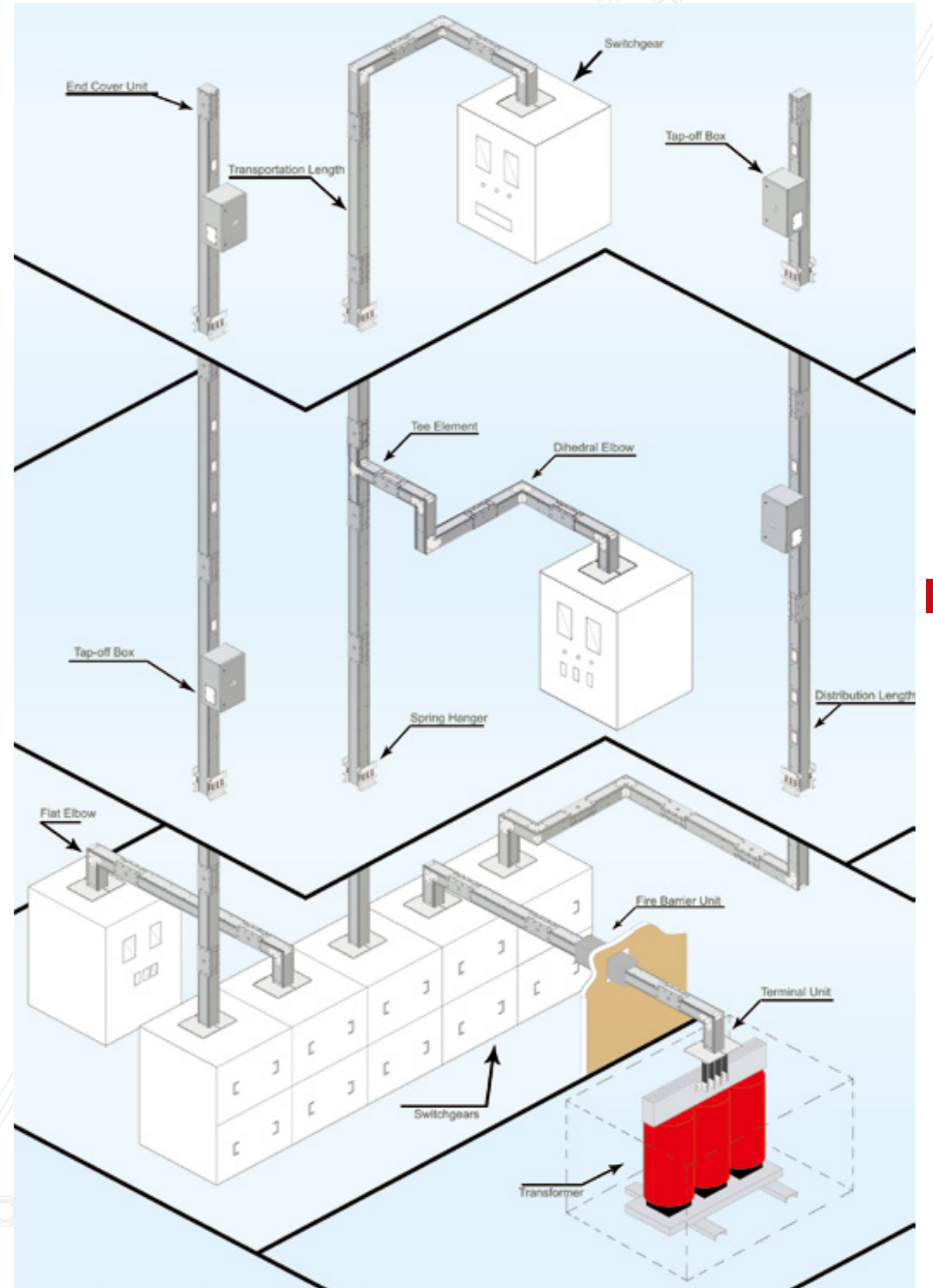
OUR GREEN POLICY

100% of the materials we use for **POWERFLOW** SERIES are Recyclable and Reusable. For achievement of our Green Policy we are also minimize electricity and fuels consumption during production and transportation. All Material Meet RoHs Standard.



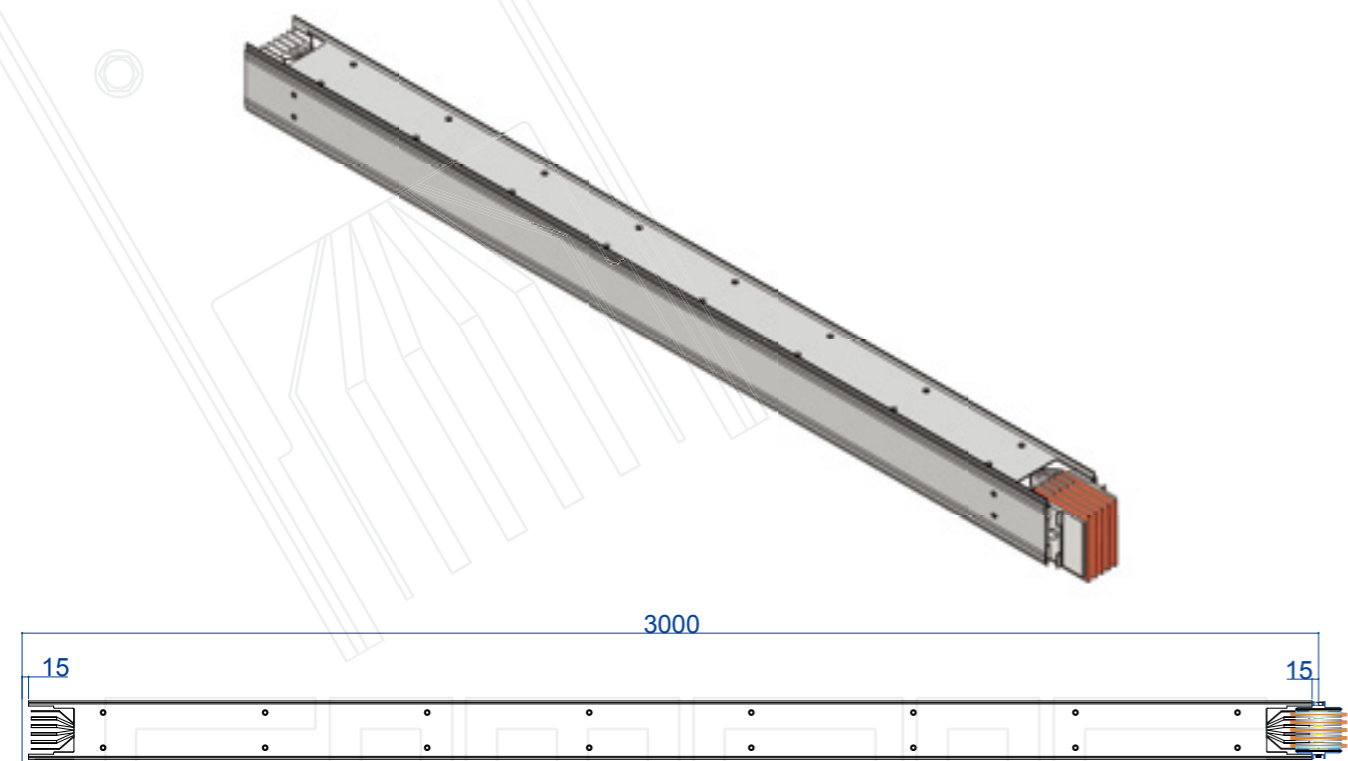


APPLICATION DIAGRAM



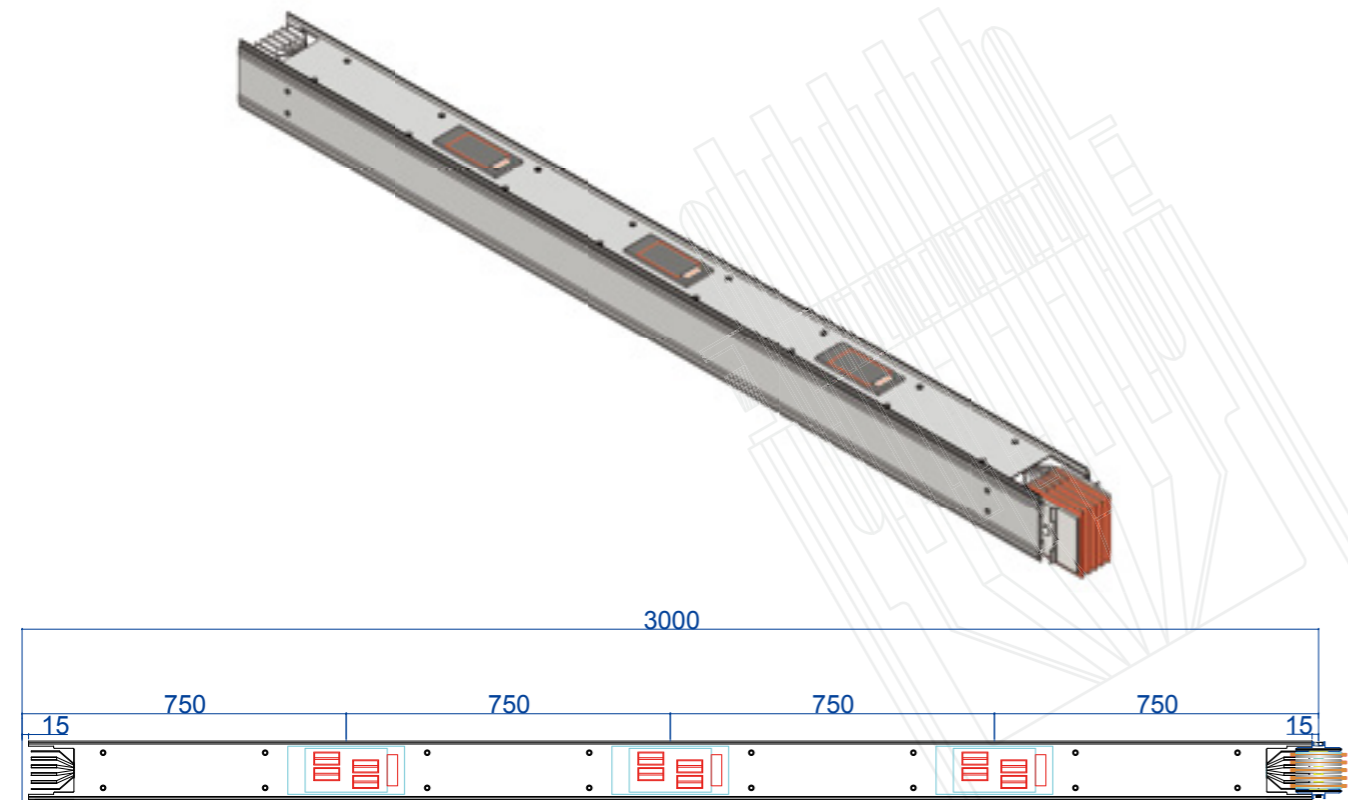
COMPOSITION AND ACCESSORIES

(1) TRANSPORTATION LENGTH (FEEDER)



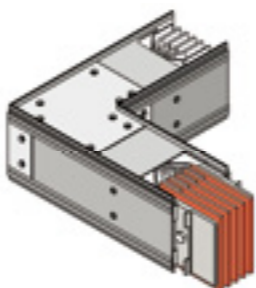
6

DISTRIBUTION LENGTH (PLUG-IN LENGTH)

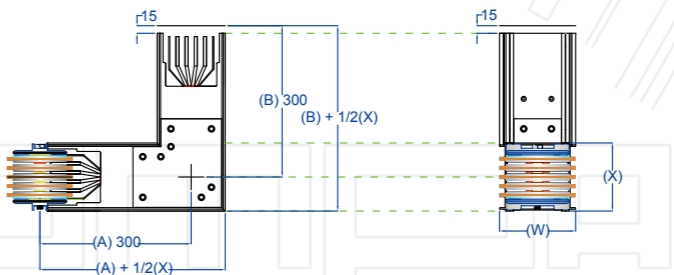


COMPOSITION AND ACCESSORIES

(2) DIHEDRAL ELBOW (EDGEWISE ELBOW)

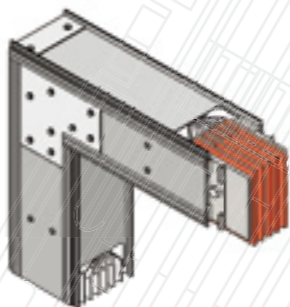


(X)	3P mm	4P mm	5P mm				(W)	Al mm	Cu mm	
	129	135	153	630 - 5000A AL	std	300	300	630A	91	---
				800 - 6300A CU	min	300	300	800A	91	91
					max	849	849	1000A	121	91
								1250A	151	106
								1600A	221	151
								2000A	221	186
								2500A	271	221
								3200A	418	271
								4000A	418	348
								5000A	518	418
								6300A	---	518

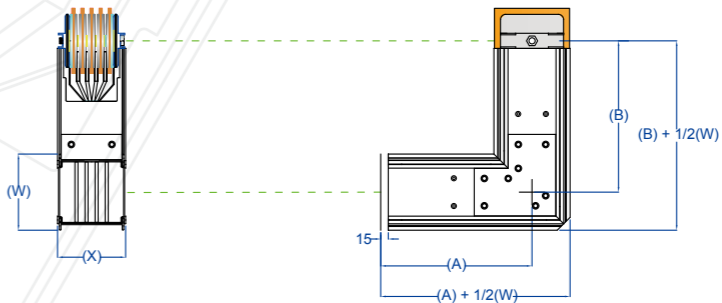


7

FLAT ELBOW (FLATWISE ELBOW)



(X)	3P	4P	5P				(W)	Al	Cu
	mm	mm	mm		(A) mm	(B) mm		mm	mm
	129	135	153						
	630 - 2000A AL 800 - 2500A CU	std	300	300	630A	91	---		
		min	300	300	800A	91	91		
		max	899	899	1000A	121	91		
	2500 - 4000A AL 3200 - 5000A CU	std	450	450	1250A	151	106		
		min	450	450	1600A	221	151		
		max	1049	1049	2000A	221	186		
	5000A AL 6300A CU	std	600	600	2500A	271	221		
		min	600	600	3200A	418	271		
		max	1049	1049	4000A	418	348		
						5000A	518	418	
							6300A	---	518



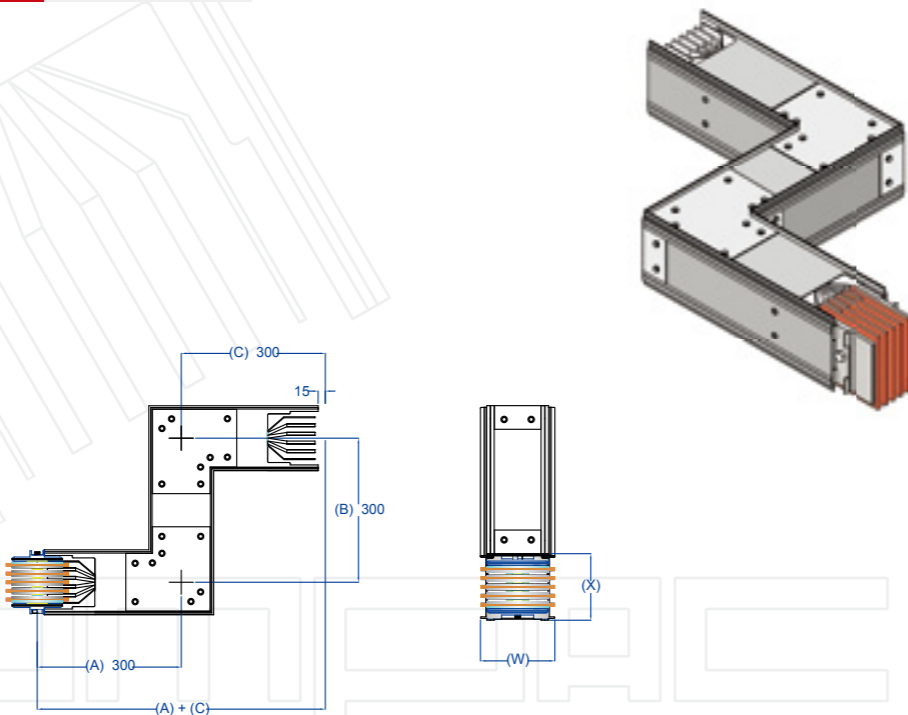
COMPOSITION AND ACCESSORIES

(3) DOUBLE DIHEDRAL ELBOW

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

		(A)	(B)	(C)
630 - 5000A AL	std	300	300	300
	min	300	50	300
	max	849	499	849
800 - 6300A CU	std	300	300	300
	min	300	50	300
	max	849	499	849

(X)	3P	4P	5P
	129	135	153



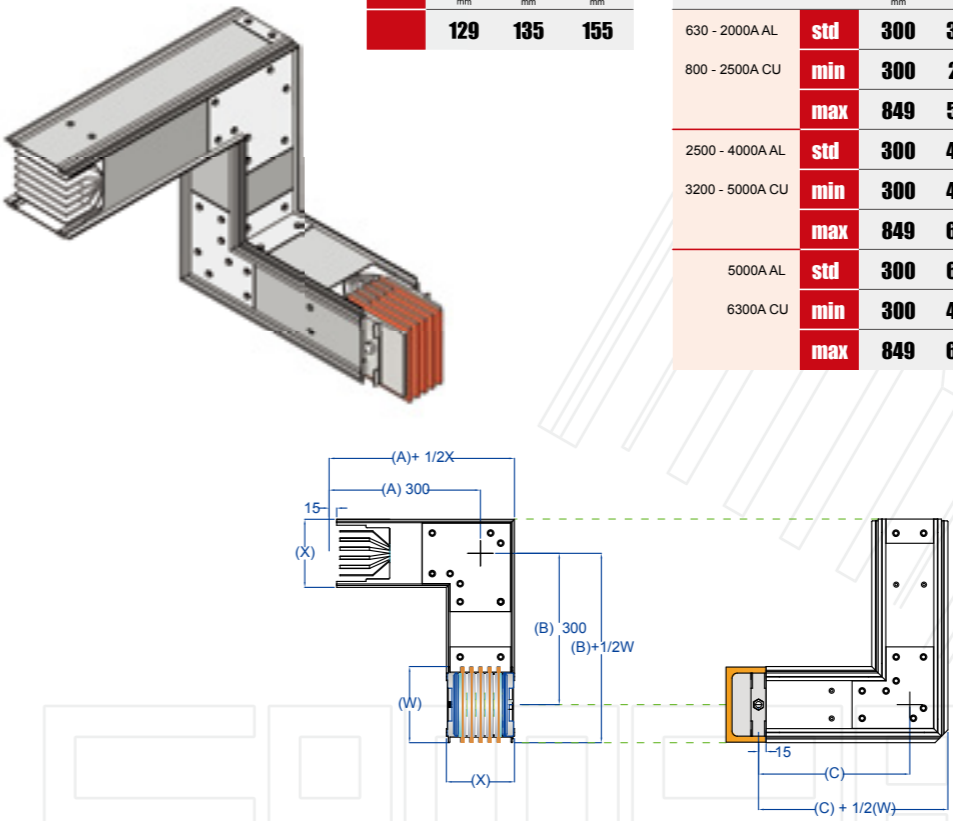
COMPOSITION AND ACCESSORIES

(4) FLAT + DIHEDRAL ELBOW

(X)	3P	4P	5P
	129	135	155

		(A)	(B)	(C)
630 - 2000A AL	std	300	300	300
	min	300	210	300
	max	849	549	899
2500 - 4000A AL	std	300	450	450
	min	300	450	450
	max	849	699	1049
3200 - 5000A CU	std	300	450	450
	min	300	450	450
	max	849	699	1049
5000A AL	std	300	600	600
	min	300	450	600
	max	849	649	1049
6300A CU	std	300	450	600
	min	300	450	600
	max	849	649	1049

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

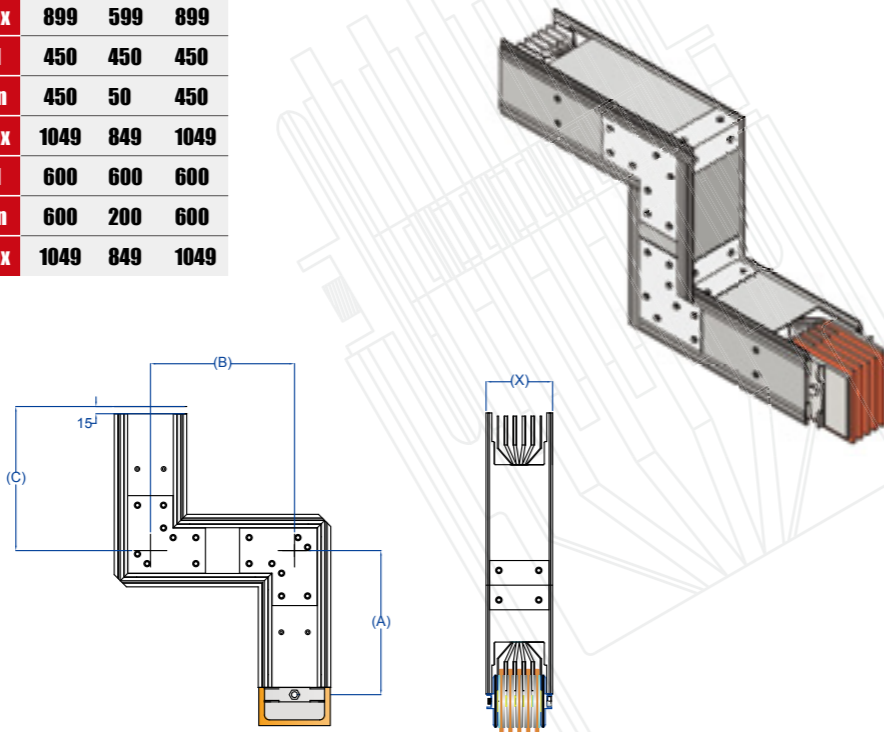


DOUBLE FLAT ELBOW

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

		(A)	(B)	(C)
630 - 2000A AL	std	300	300	300
	min	300	50	300
	max	899	599	899
2500 - 4000A AL	std	450	450	450
	min	450	50	450
	max	1049	849	1049
3200 - 5000A CU	std	450	450	450
	min	450	50	450
	max	1049	849	1049
5000A AL	std	600	600	600
	min	600	200	600
	max	1049	849	1049
6300A CU	std	600	200	600
	min	600	200	600
	max	1049	849	1049

(X)	3P	4P	5P
	129	135	153

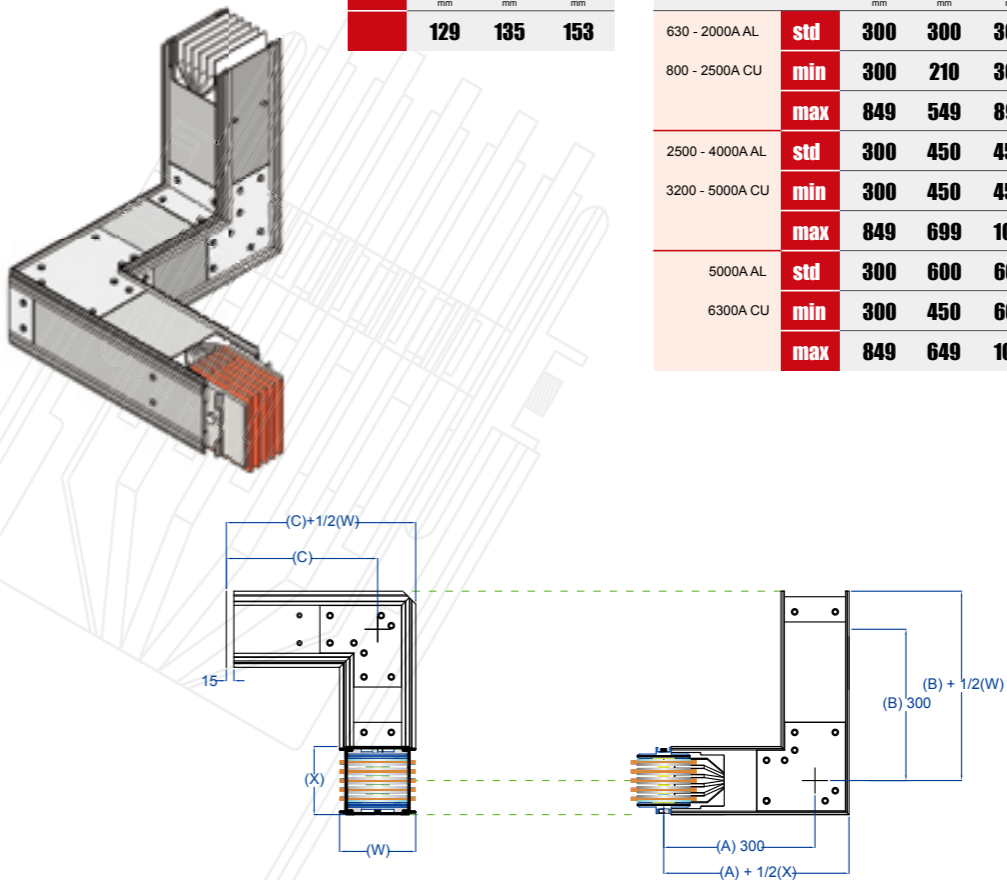


DIHEDRAL + FLAT ELBOW

(X)	3P	4P	5P
	129	135	153

		(A)	(B)	(C)
630 - 2000A AL	std	300	300	300
	min	300	210	300
	max	849	549	899
2500 - 4000A AL	std	300	450	450
	min	300	450	450
	max	849	699	1049
3200 - 5000A CU	std	300	450	450
	min	300	450	450
	max	849	699	1049
5000A AL	std	300	600	600
	min	300	450	600
	max	849	649	1049
6300A CU	std	300	450	600
	min	300	450	600
	max	849	649	1049

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518



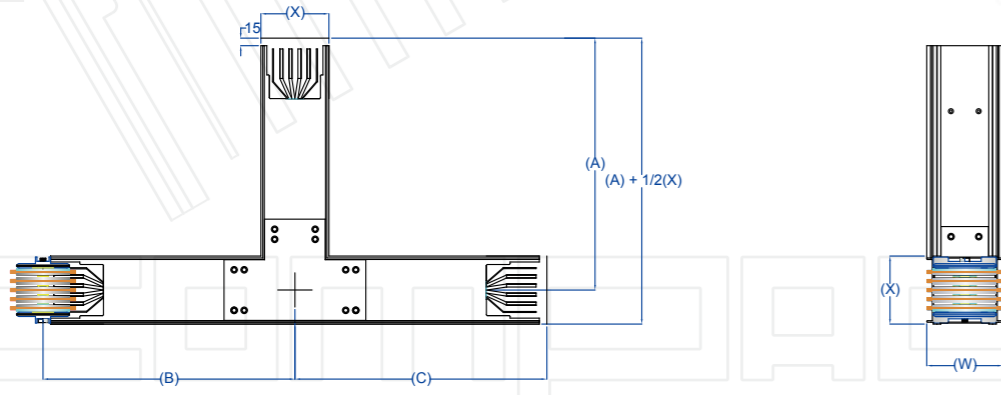
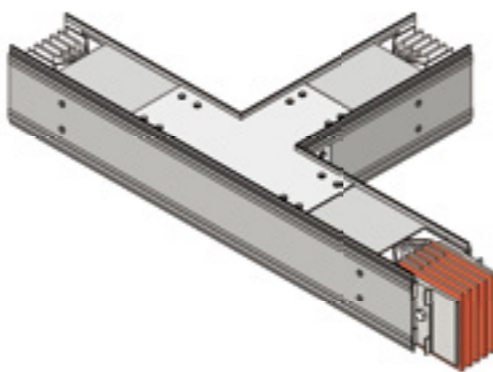
COMPOSITION AND ACCESSORIES

(5) DIHEDRAL TEE

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

(A)	(B)	(C)
std	600	600
min	600	600
max	849	849

(X)	3P	4P	5P
	129	135	153

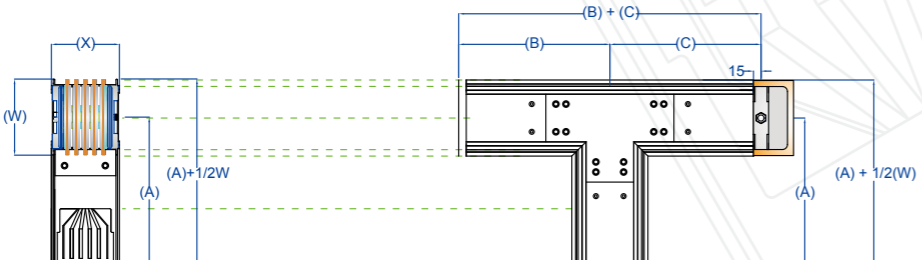
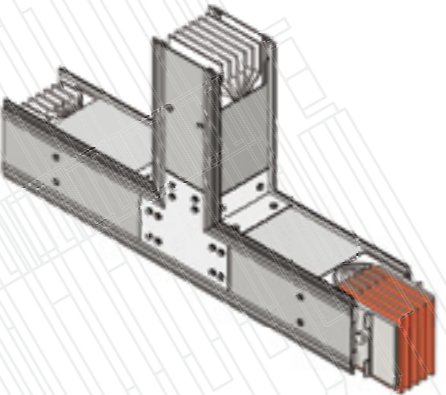


FLAT TEE

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

(A)	(B)	(C)
630 - 2000A AL	300	300
800 - 2500A CU		
2500 - 5000A AL	600	600
3200 - 6300A CU		

(X)	3P	4P	5P
	129	135	153

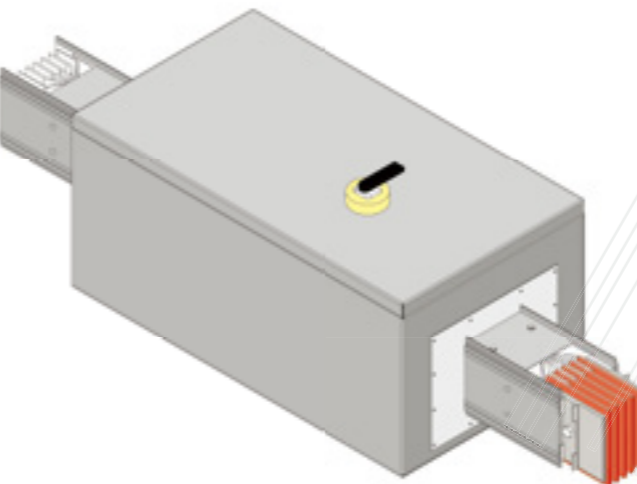


COMPOSITION AND ACCESSORIES

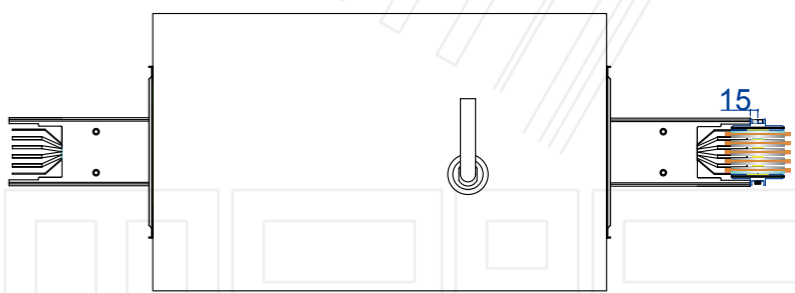
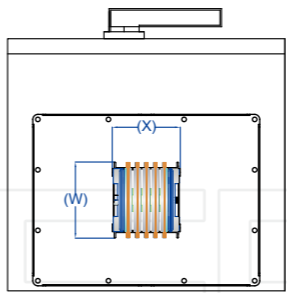
(6) SECTION ISOLATOR UNIT

(X)	3P	4P	5P
	129	135	155

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518



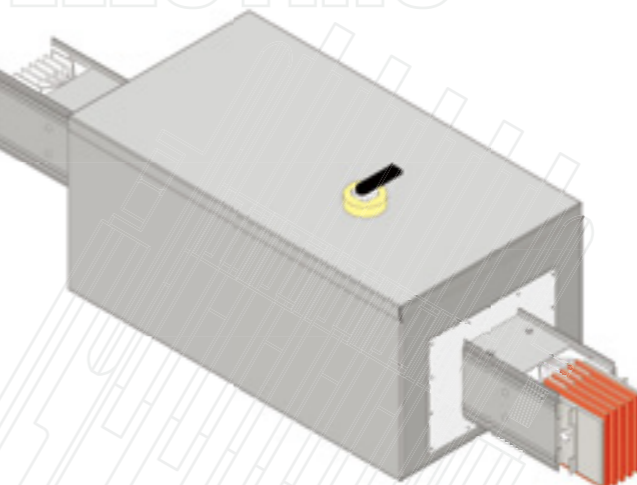
for dimensions, please contact our technical department .



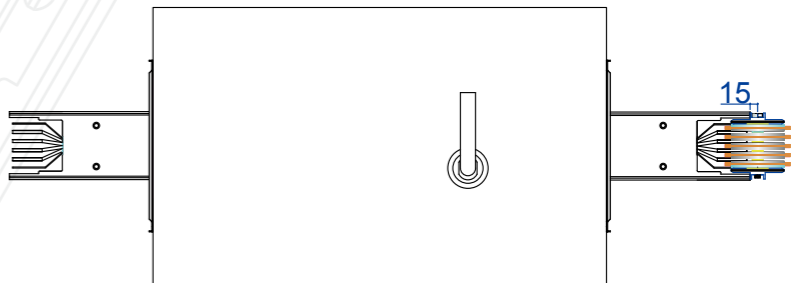
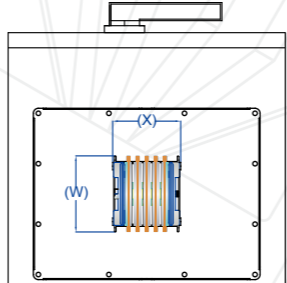
(7-1) RATING REDUCER UNIT (REDUCER)

(X)	3P	4P	5P
	129	135	153

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518



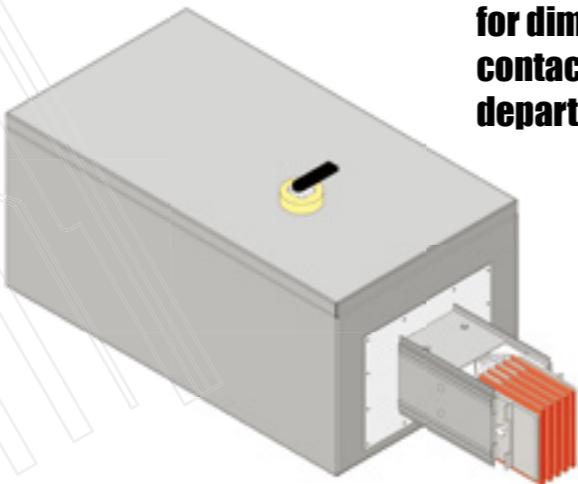
for dimensions, please contact our technical department .



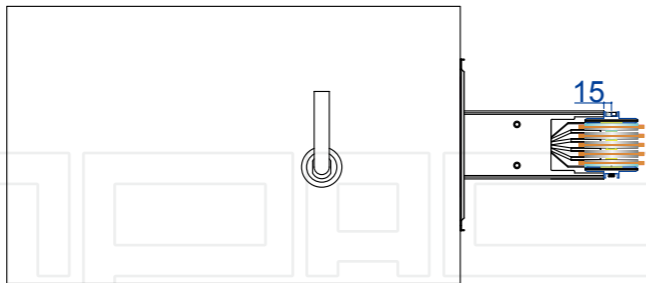
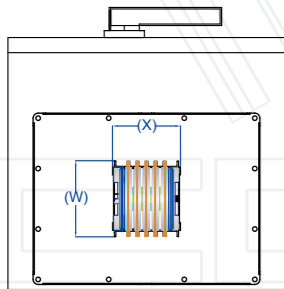
COMPOSITION AND ACCESSORIES

(7-2) END FEEDER UNIT + SWITCH
(WITH OR WITHOUT FUSES) / CIRCUIT BREAKER

(W)	Al	Cu	(X)	3P	4P	5P
630A	91	---		129	135	153
800A	91	91				
1000A	121	91				
1250A	151	106				
1600A	221	151				
2000A	221	186				
2500A	271	221				
3200A	418	271				
4000A	418	348				
5000A	518	418				
6300A	---	518				

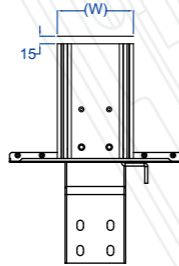
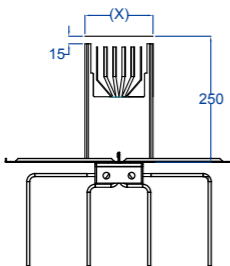
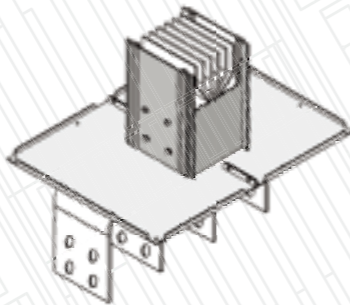


for dimensions, please
contact our technical
department .



(8) TERMINAL UNIT (FLANGE END)

(W)	Al	Cu	(X)	3P	4P	5P
630A	91	---		129	135	155
800A	91	91				
1000A	121	91				
1250A	151	106				
1600A	221	151				
2000A	221	186				
2500A	271	221				
3200A	418	271				
4000A	418	348				
5000A	518	418				
6300A	---	518				



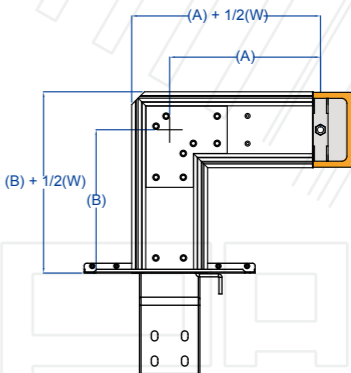
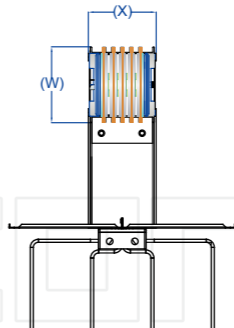
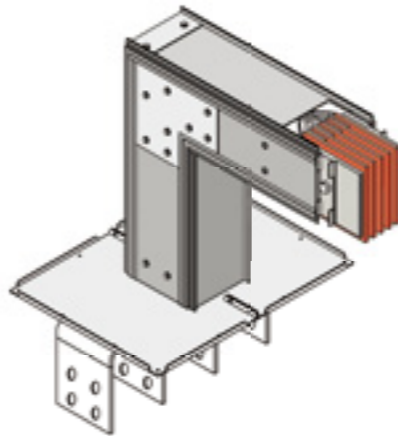
COMPOSITION AND ACCESSORIES

(9) FLAT ELBOW + TERMINAL UNIT

(X)	3P	4P	5P
	129	135	153

	(A)	(B)
630 - 2000A AL	std 300	300
800 - 2500A CU	min 300	200
	max 849	549
2500 - 4000A AL	std 450	450
3200 - 5000A CU	min 450	300
	max 1049	699
5000A AL	std 600	600
6300A CU	min 600	600
	max 1049	1049

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

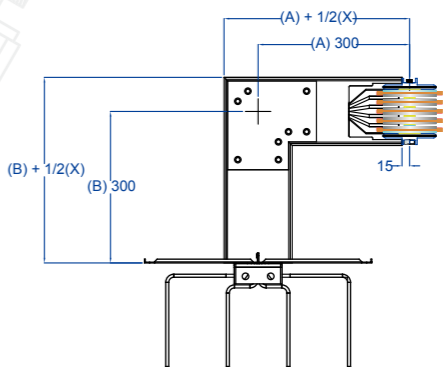
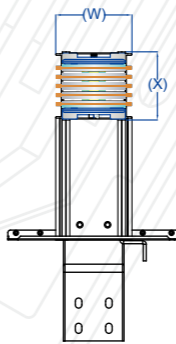
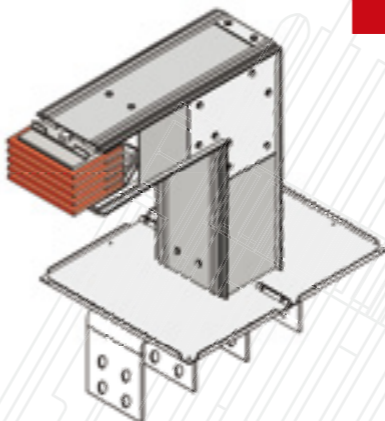


(10) DIHEDRAL ELBOW + TERMINAL UNIT

(X)	3P	4P	5P
	129	135	153

	(A)	(B)
630 - 5000A AL	std 300	300
800 - 6300A CU	min 300	150
	max 899	549

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518



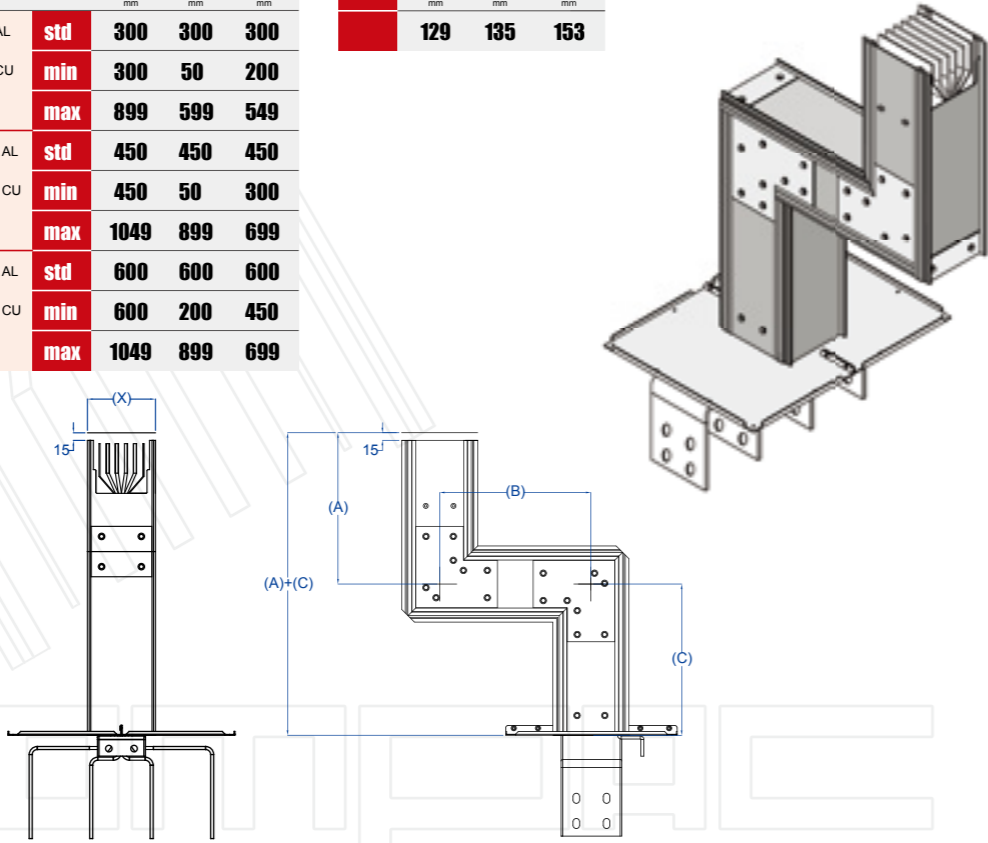
COMPOSITION AND ACCESSORIES

(11) DOUBLE FLAT ELBOW + TERMINAL UNIT

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

		(A)	(B)	(C)
630 - 2000A AL	std	300	300	300
	min	300	50	200
	max	899	599	549
2500 - 4000A AL	std	450	450	450
	min	450	50	300
	max	1049	899	699
3200 - 5000A CU	std	600	600	600
	min	600	200	450
	max	1049	899	699

(X)	3P	4P	5P
	129	135	153

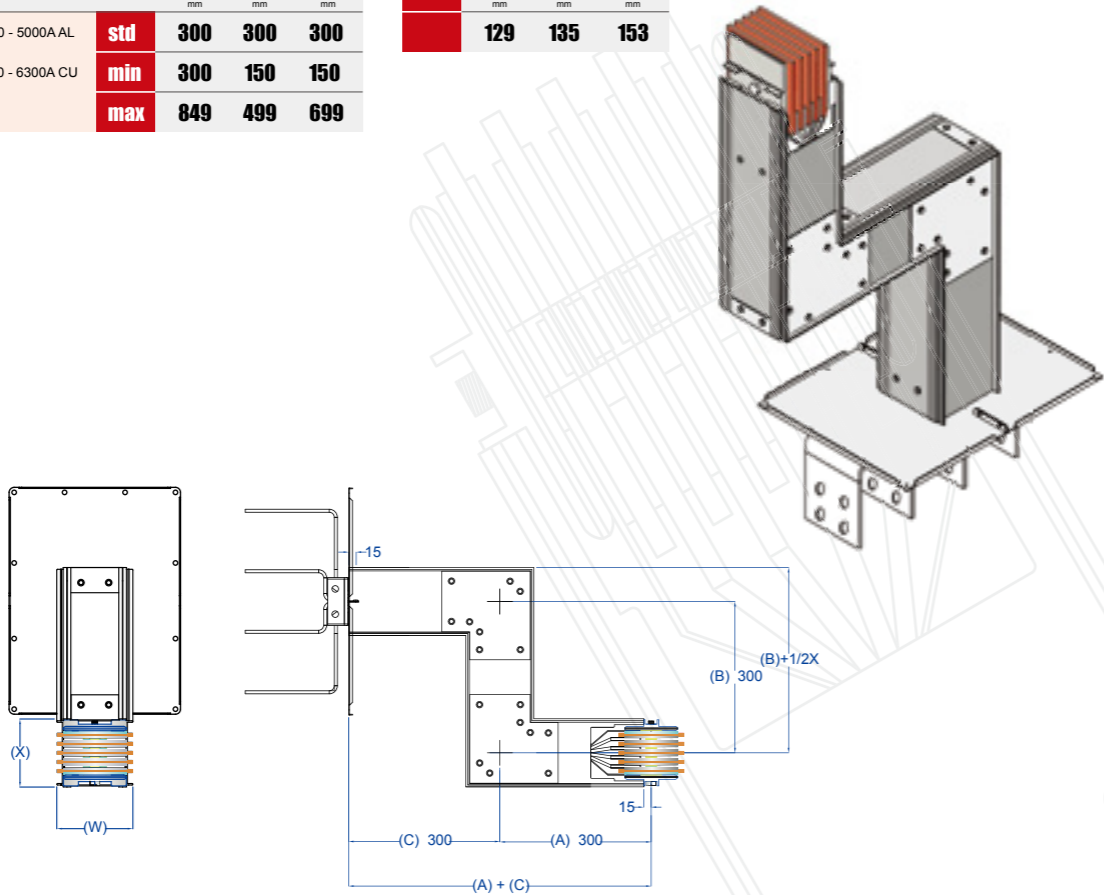


(12) DOUBLE DIHEDRAL ELBOW + TERMINAL UNIT

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

		(A)	(B)	(C)
630 - 5000A AL	std	300	300	300
	min	300	150	150
	max	849	499	699
800 - 6300A CU	std	300	300	300
	min	300	150	150
	max	849	499	699

(X)	3P	4P	5P
	129	135	153



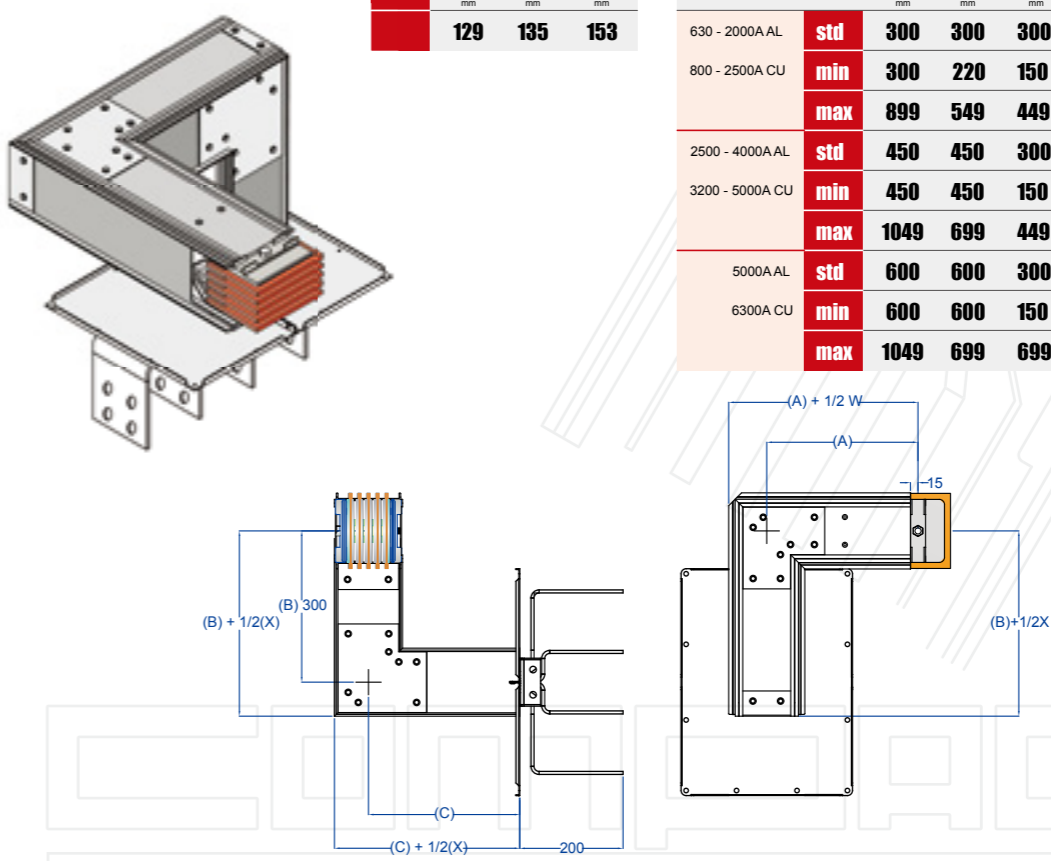
COMPOSITION AND ACCESSORIES

(13) FLAT ELBOW + DIHEDRAL ELBOW + TERMINAL UNIT

(X)	3P	4P	5P
	129	135	153

		(A)	(B)	(C)
630 - 2000A AL	std	300	300	300
	min	300	220	150
	max	899	549	449
2500 - 4000A AL	std	450	450	300
	min	450	450	150
	max	1049	699	449
3200 - 5000A CU	std	600	600	300
	min	600	600	150
	max	1049	699	699

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

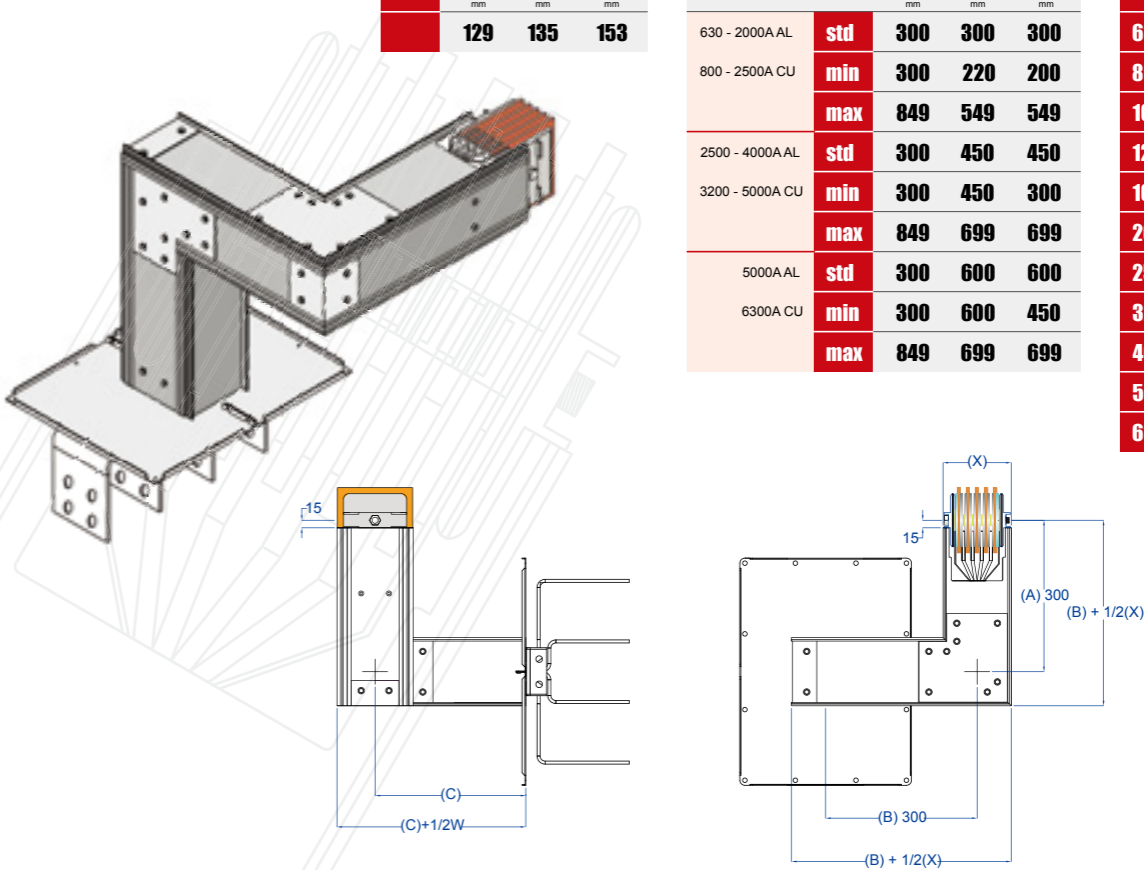


(14) DIHEDRAL ELBOW + FLAT ELBOW + TERMINAL UNIT

(X)	3P	4P	5P
	129	135	153

		(A)	(B)	(C)
630 - 2000A AL	std	300	300	300
	min	300	220	200
	max	849	549	549
2500 - 4000A AL	std	300	450	450
	min	300	450	300
	max	849	699	699
3200 - 5000A CU	std	300	600	600
	min	300	600	450
	max	849	699	699

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518



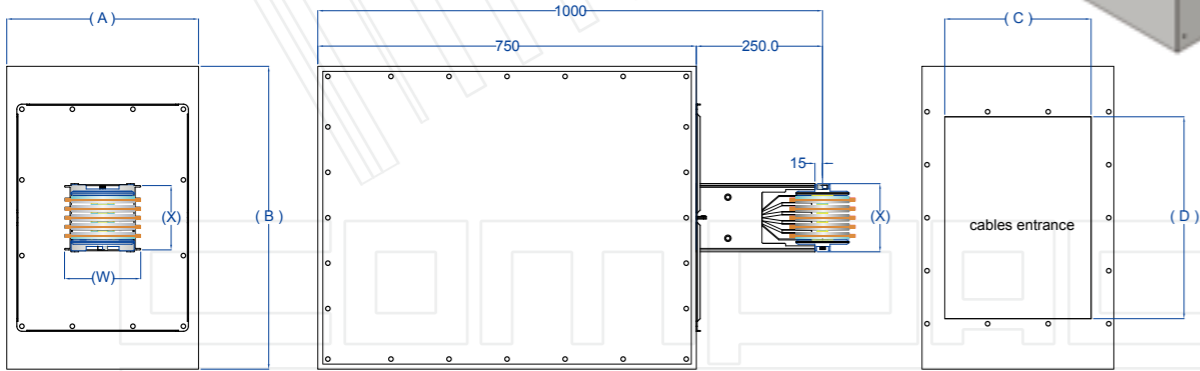
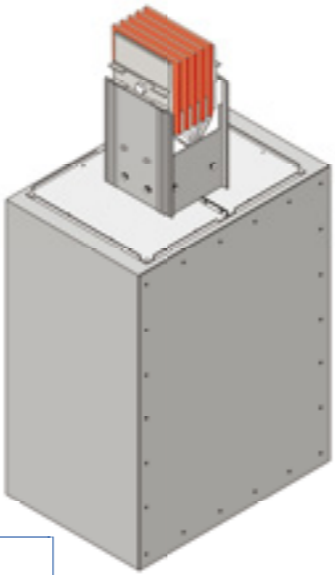
COMPOSITION AND ACCESSORIES

(15) END FEEDER UNIT (END CABLE TAP BOX)

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

	(A)	(B)	(C)	(D)
	mm	mm	mm	mm
630 - 2000A AL	400	600	300	400
800 - 2500A CU				
2500 - 4000A AL	600	600	500	400
3200 - 5000A CU				
5000A AL	750	750	650	550
6300A CU				

(X)	3P	4P	5P
	129	135	153

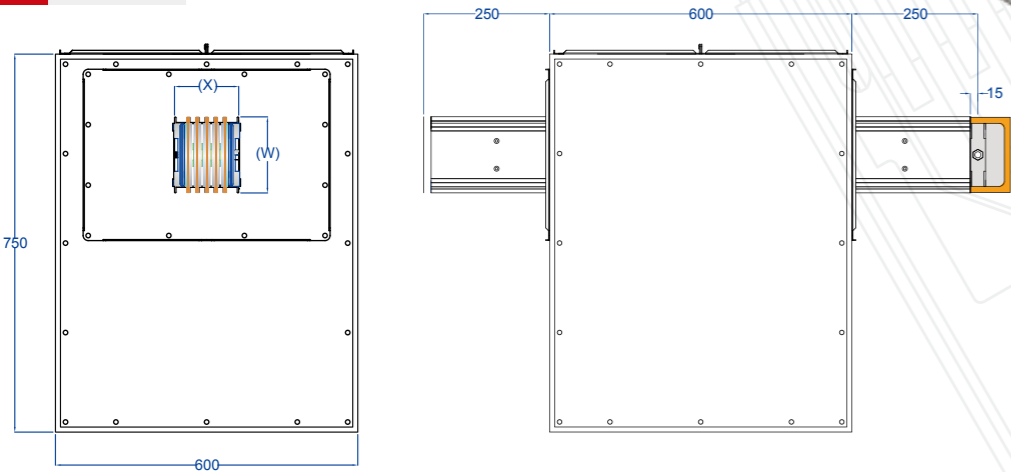
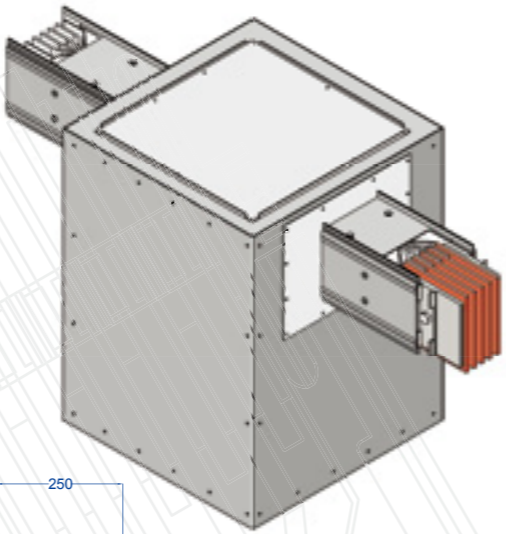


16

(16) CENTER FEEDER UNIT (CENTER TAP BOX)

(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518

(X)	3P	4P	5P
	129	135	153

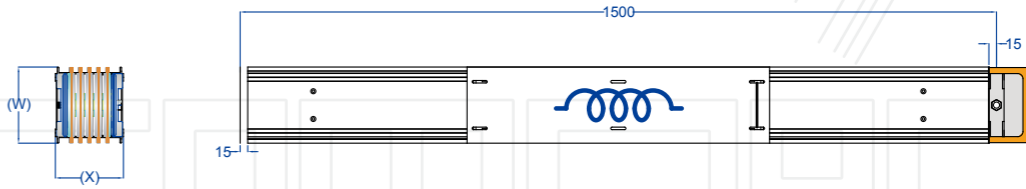
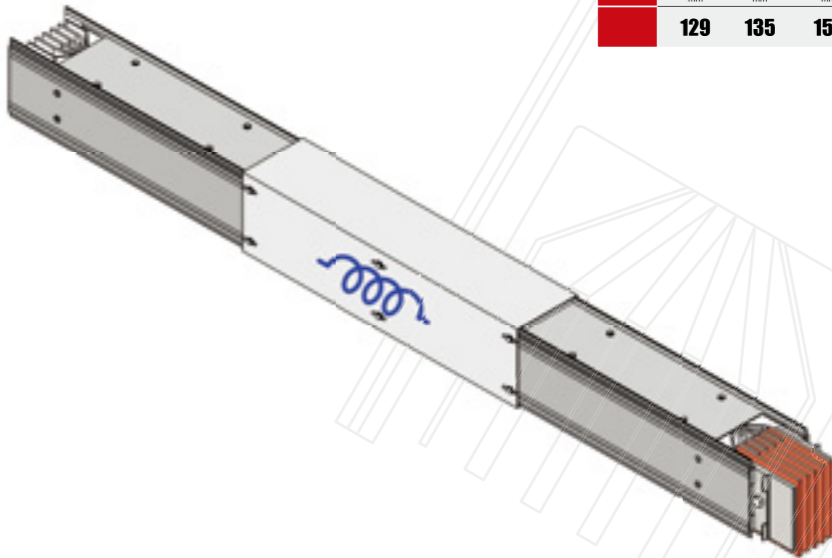


COMPOSITION AND ACCESSORIES

(17) EXPANSION UNIT (EXPANSION SECTION)

(X)	3P	4P	5P
	129	135	153

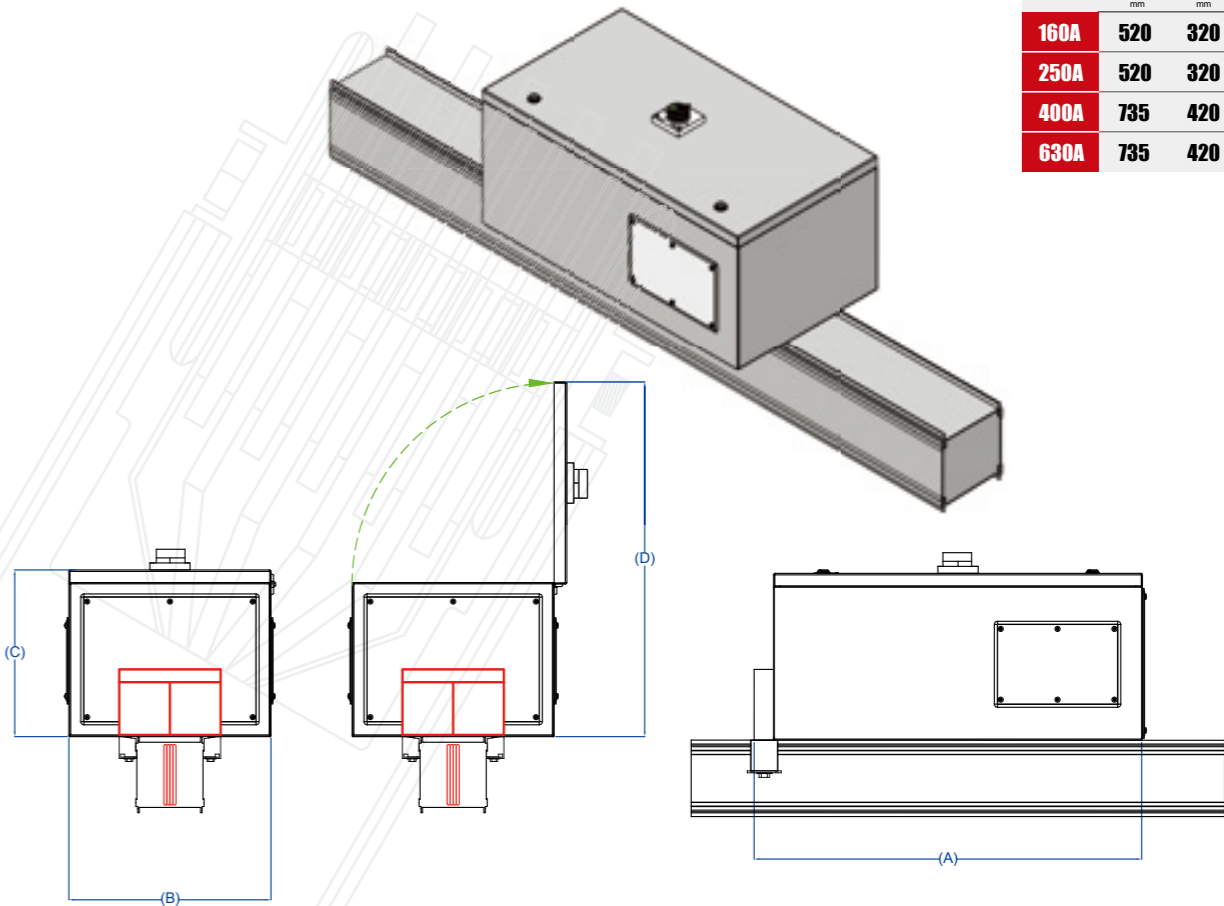
(W)	Al	Cu
630A	91	---
800A	91	91
1000A	121	91
1250A	151	106
1600A	221	151
2000A	221	186
2500A	271	221
3200A	418	271
4000A	418	348
5000A	518	418
6300A	---	518



17

(18) TAP-OFF UNITS -CLAMP TYPE (PLUGS)

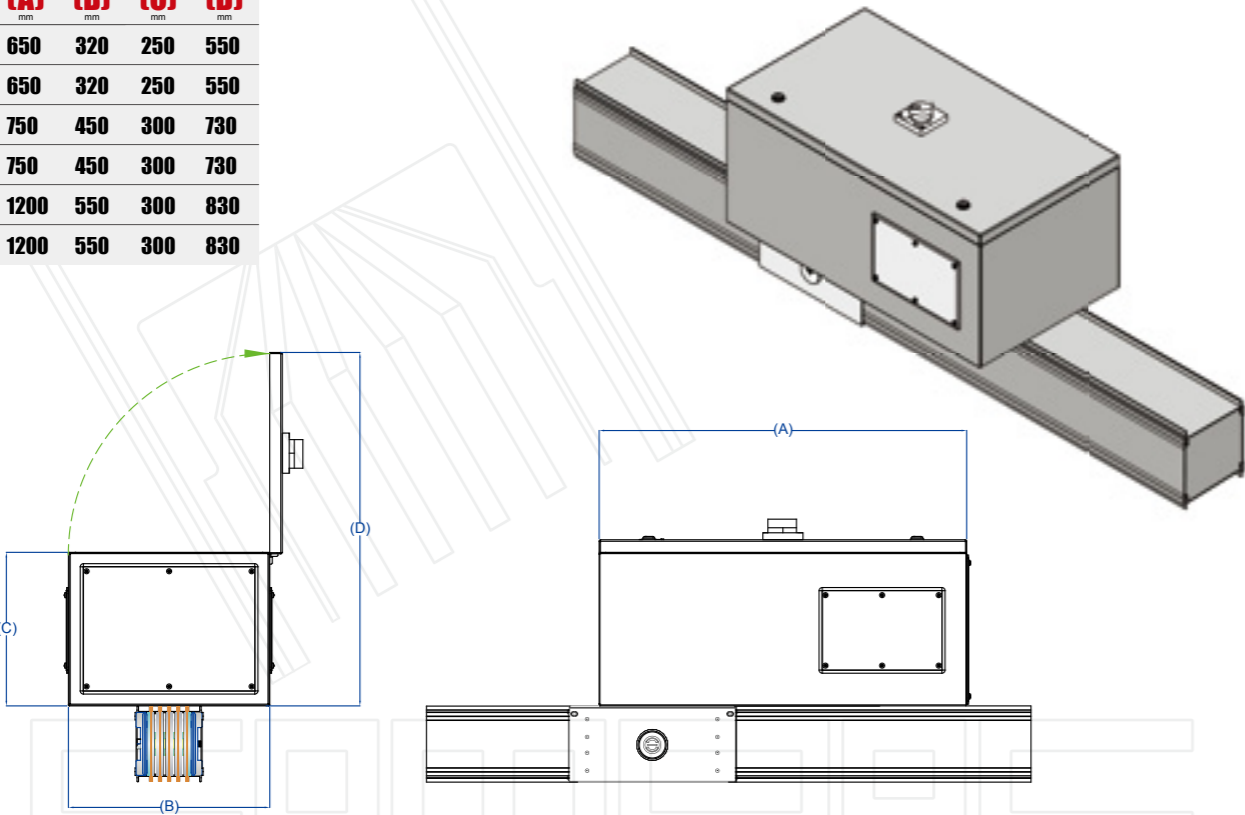
	(A)	(B)	(C)	(D)
160A	520	320	210	650
250A	520	320	210	650
400A	735	420	340	710
630A	735	420	340	710



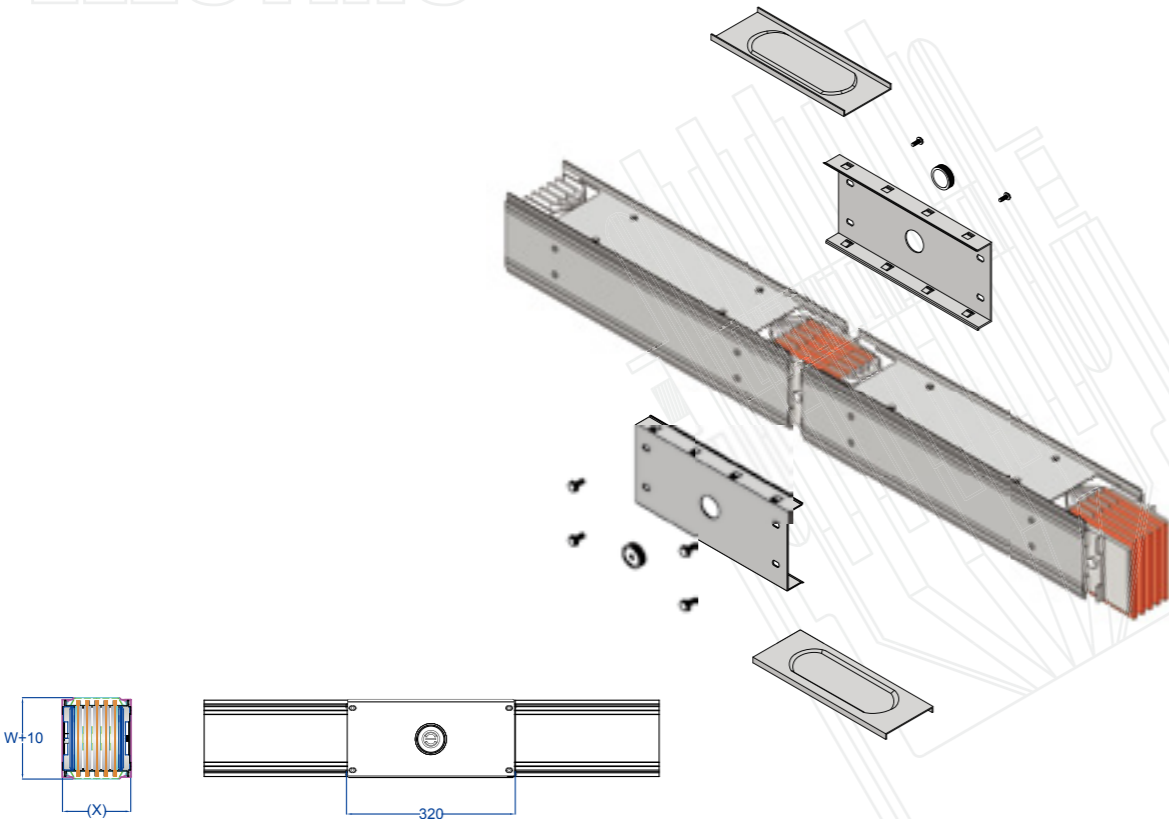
COMPOSITION AND ACCESSORIES

[19] TAP-OFF UNITS - JUNCTION MOUNTED [POWER TAKEOFFS]

	(A)	(B)	(C)	(D)
	mm	mm	mm	mm
160A	650	320	250	550
250A	650	320	250	550
400A	750	450	300	730
630A	750	450	300	730
800A	1200	550	300	830
1250A	1200	550	300	830

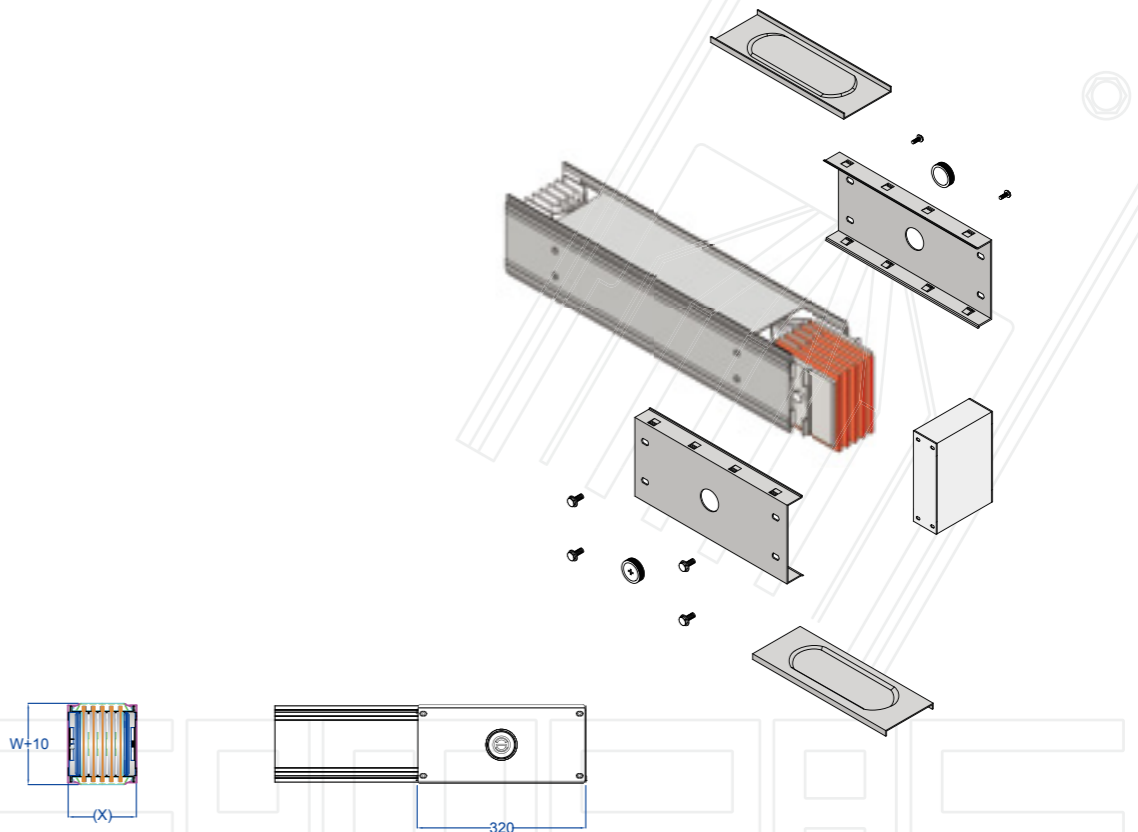


[20] JOINT COVER

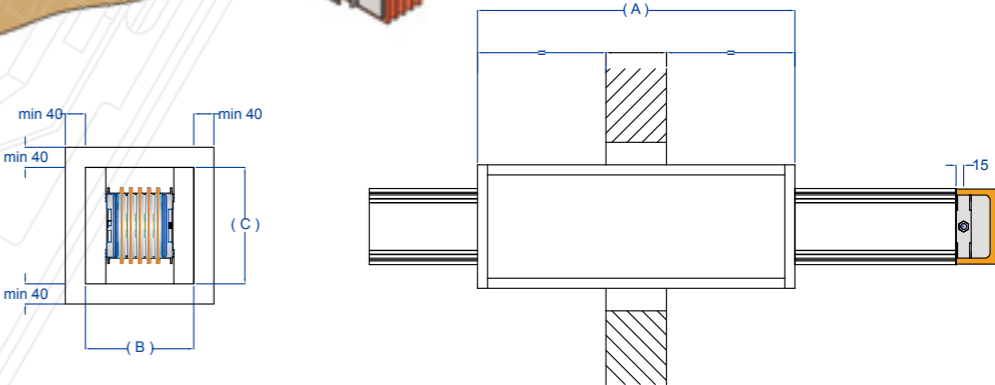
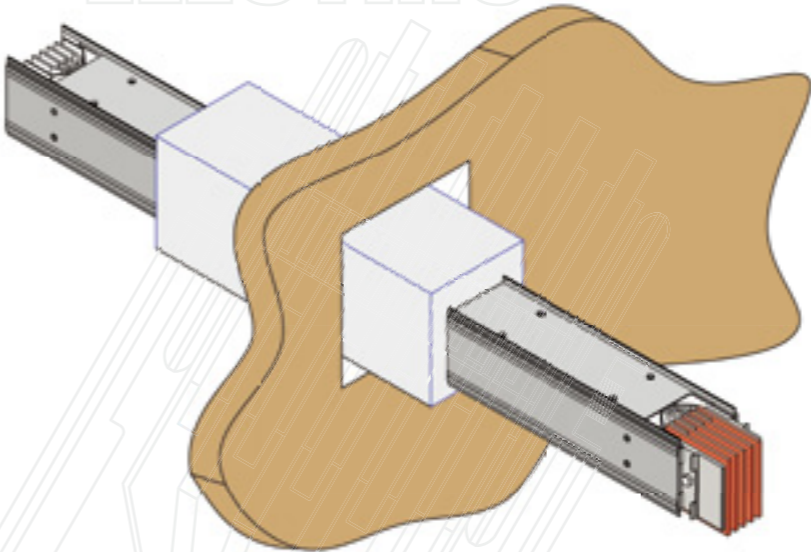


COMPOSITION AND ACCESSORIES

[21] END COVER

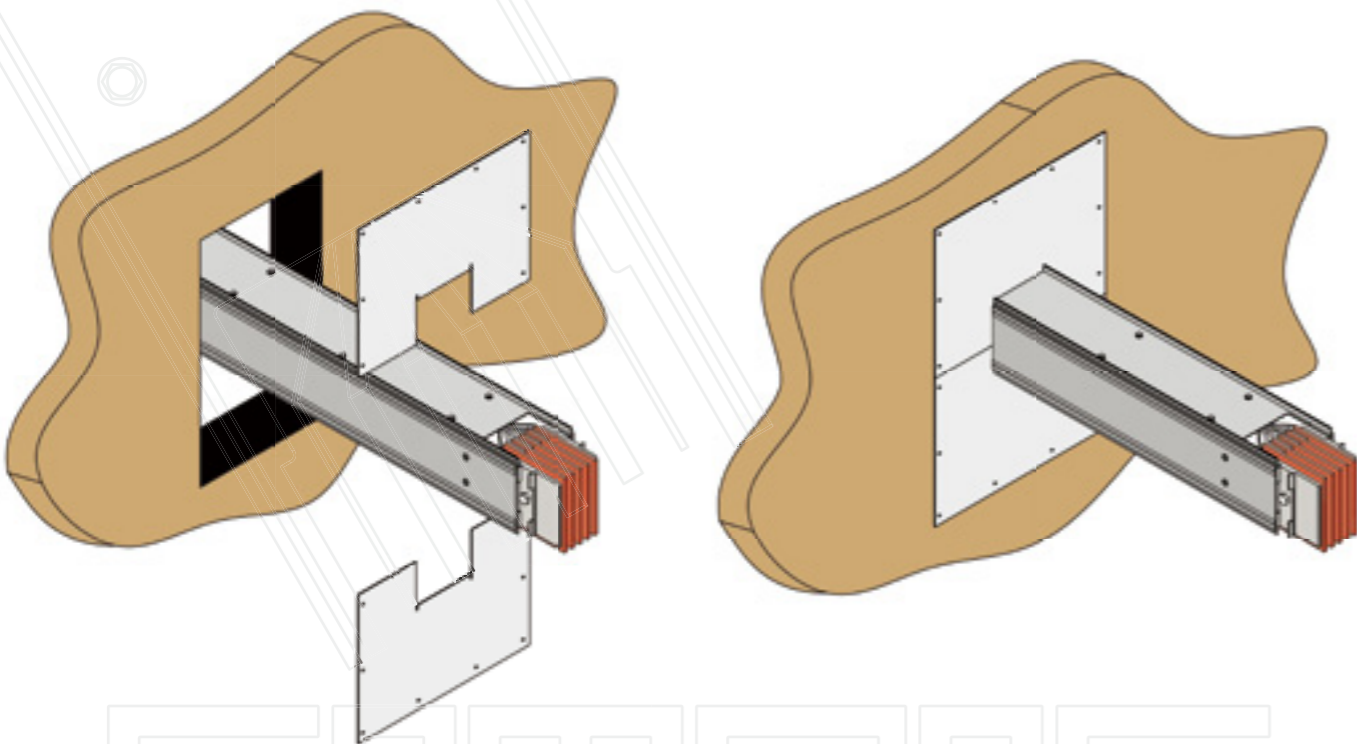


[22] FIRE BARRIER UNIT



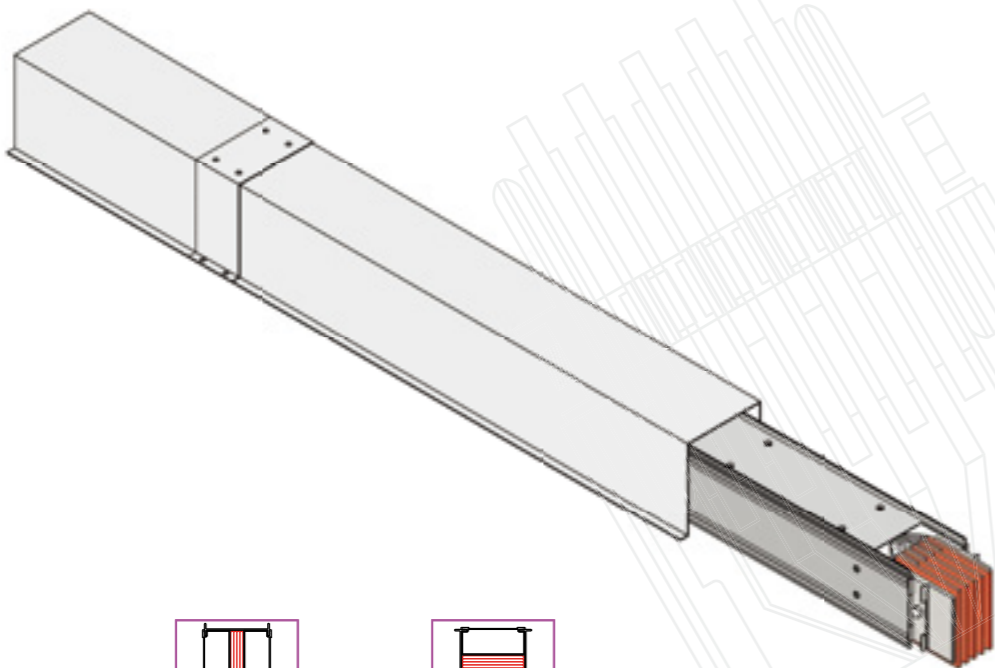
		4P		
Al	Cu	(A)	(B)	(C)
		mm	mm	mm
630A 800A	800A 1000A	630	215	171
1000A		630	215	201
	1250A	630	215	186
1250A	1600A	630	215	231
1600A 2000A	2500A	630	215	301
	2000A	630	215	266
2500A	3200A	630	215	351
3200A 4000A	5000A	630	215	498
	4000A	630	215	428
5000A	6300A	630	215	598

COMPOSITION AND ACCESSORIES
[23] WALL / FLOOR FLANGES

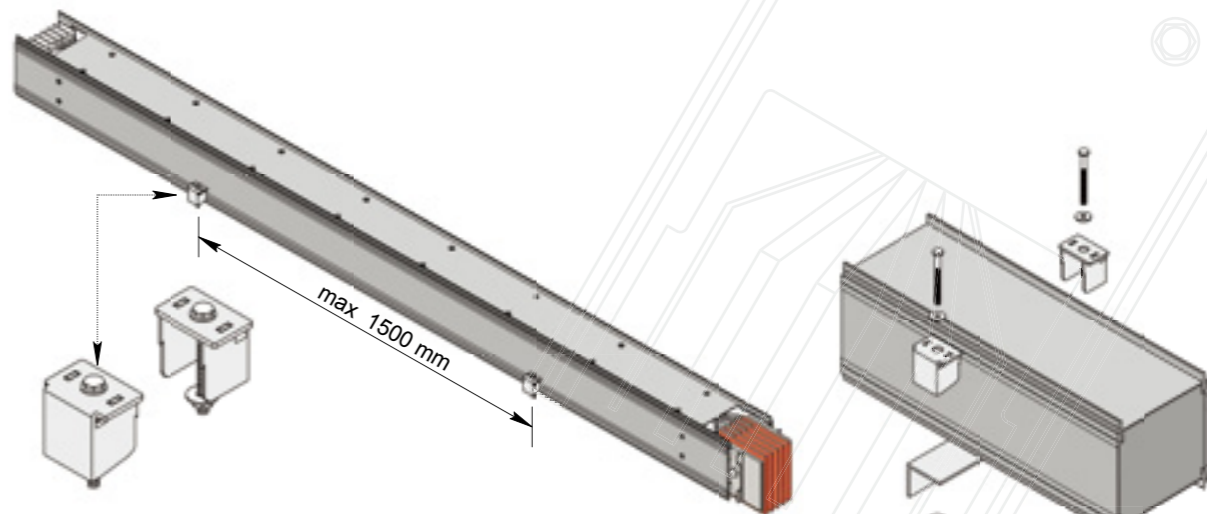


20

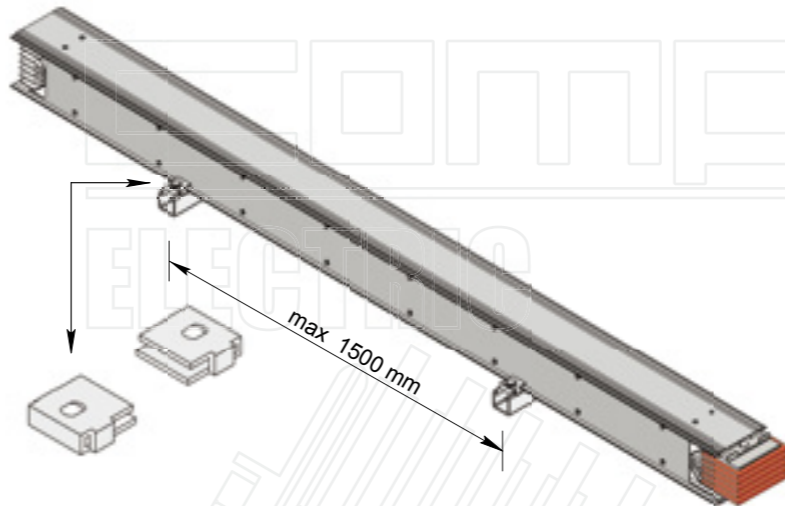
[24] STAINLESS CANOPY



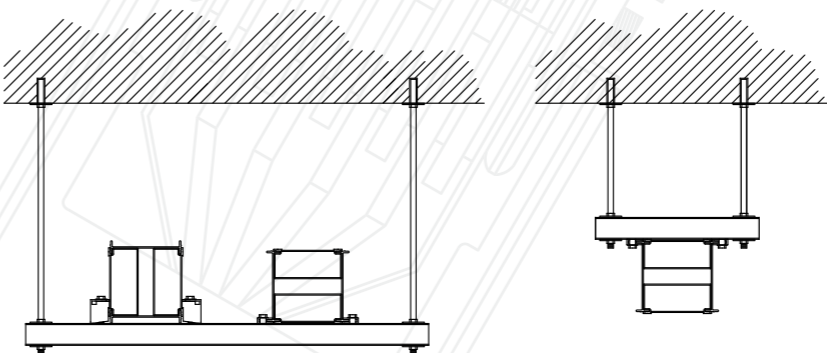
COMPOSITION AND ACCESSORIES
[25] FIXING UNIT - FLAT / VERTICAL



VERTICAL

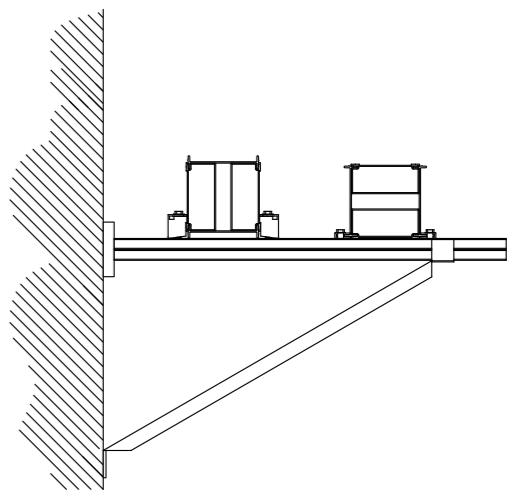


FLAT



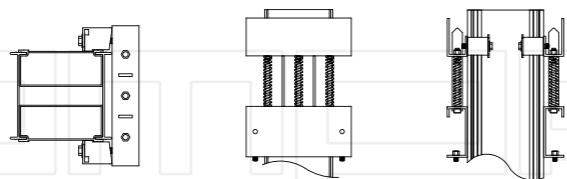
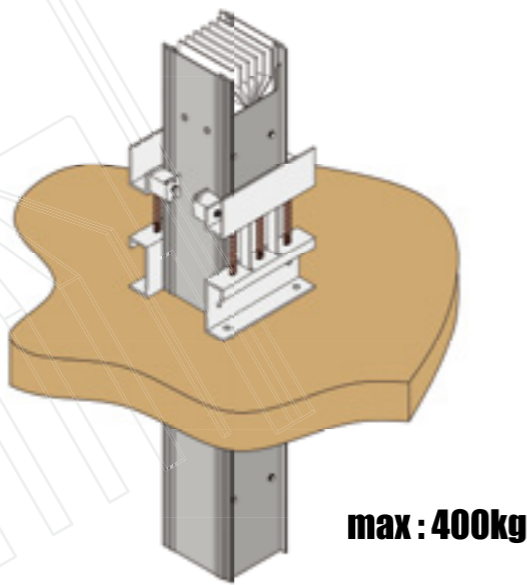
***NOTE : NO JOINT ON SUPPORT**

max : 250kg

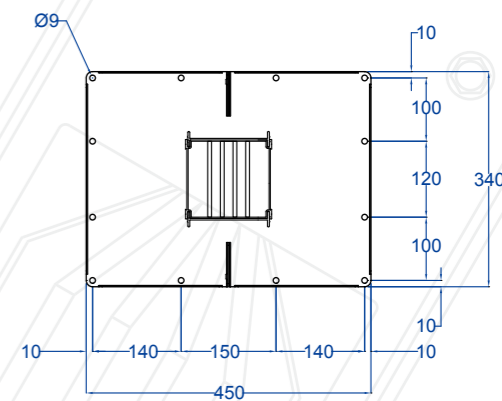
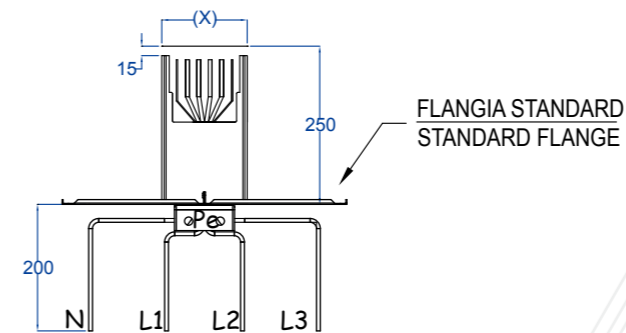


21

COMPOSITION AND ACCESSORIES
[26] SUSPENSION UNITS FOR VERTICAL RUNS (HIGH - RISE)



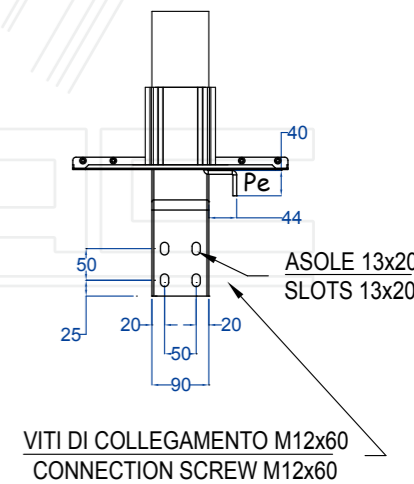
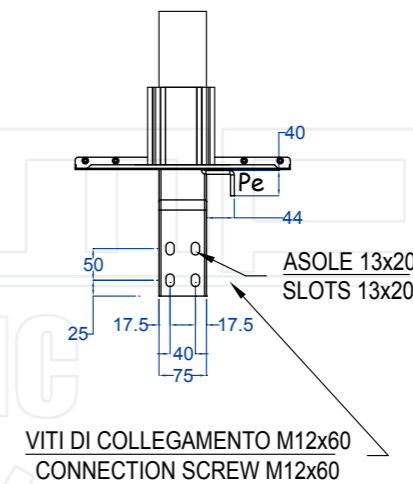
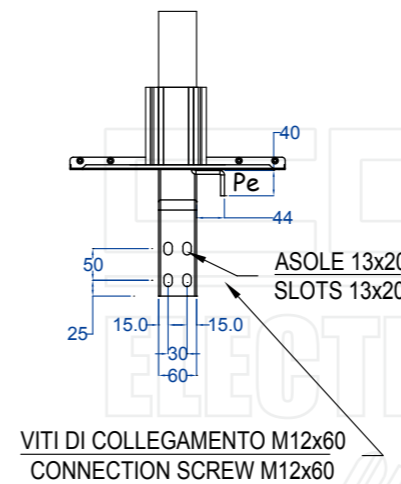
COMPOSITION AND ACCESSORIES
[27-1] BUSbar & Cut-OFF



AL 630A - 800A
CU 800A - 1000A

CU 1250A

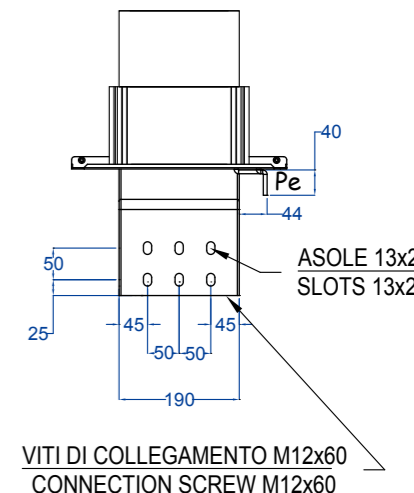
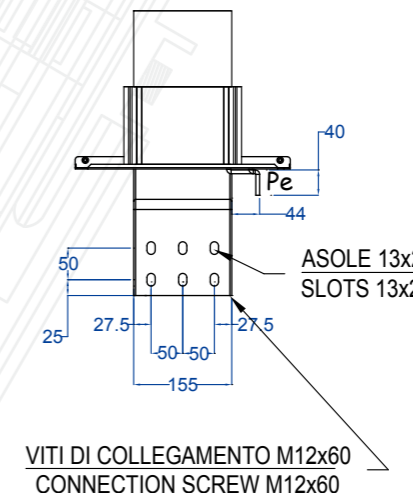
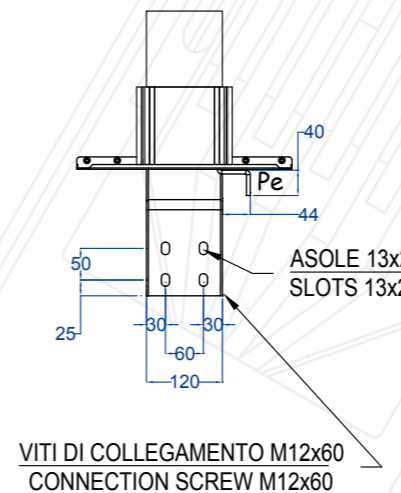
AL 1000A



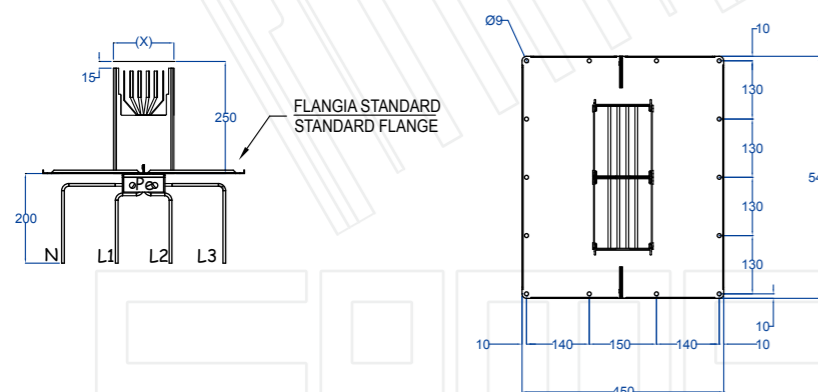
AL 1250A
CU 1600A

CU 2000A

AL 1600A 2000A
CU 2500A



(27-2) BUSbar & Cut-OFF

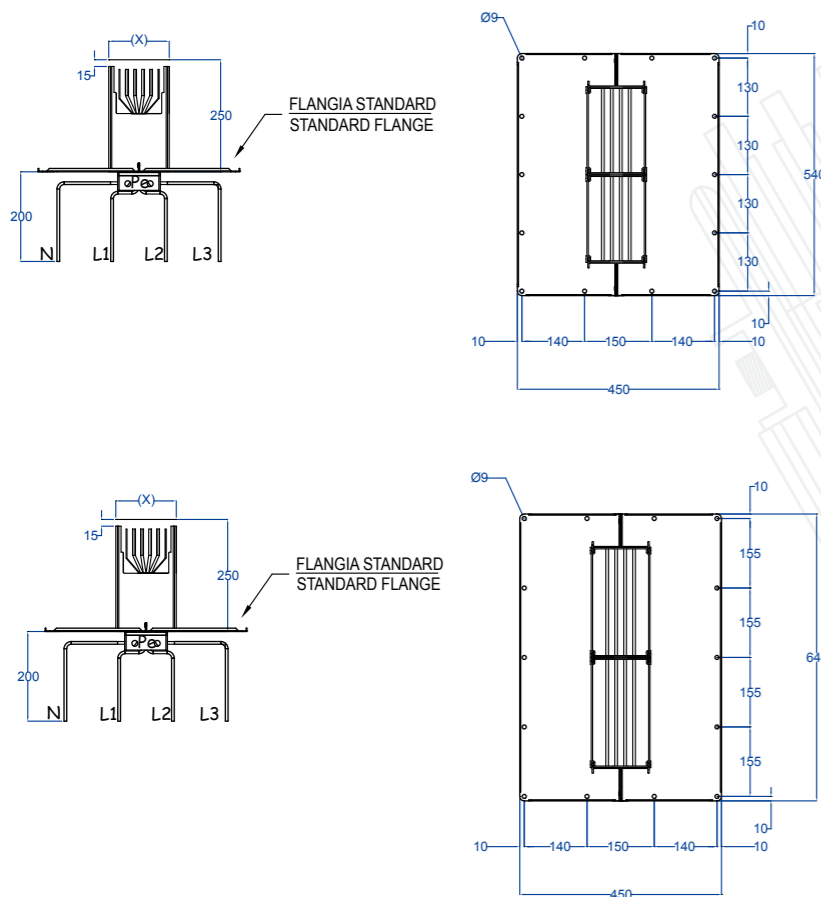


VITI DI COLLEGAMENTO M12x60
CONNECTION SCREW M12x60

Technical drawing of the base plate (Piastrina di base) showing dimensions and components. The drawing includes the following labels and dimensions:

- SOLE 13x20** and **SLOTS 13x20**: Labels pointing to the mounting slots.
- VITI DI COLLEGAMENTO M12x60** and **CONNECTION SCREW M12x60**: Labels pointing to the mounting screws.
- Pe**: Label for the mounting plate.
- 44**: Dimension for the width of the mounting plate.
- 50**: Dimension for the width of the base plate.
- 25**: Dimension for the height of the base plate.
- 27.5**: Dimension for the width of the mounting slots.
- 50**: Dimension for the width of the mounting slots.
- 155**: Dimension for the width of the base plate.
- 40**: Dimension for the height of the mounting plate.

(27-3) BUSbar & Cut-OFF



SOLE 13x20
SLOTS 13x20

VITI DI COLLEGAMENTO M12x60
CONNECTION SCREW M12x60

SOLE 13x20
SLOTS 13x20

VITI DI COLLEGAMENTO M12x60
CONNECTION SCREW M12x60

TECHNICAL DATA / TECHNICS / TECHNICAL INFORMATION

Aluminum

Rated Current		Amps	630	800	1000	1250 (1350*)	1600	2000	2500	3200 (3000*)	4000	5000
Reference Standard							CEI EN 60439-1, CEI EN 60439-2, UL 857**					
Operation Voltage		Volts					1000					
Frequency		Hz					50/60					
Protection Degree (IP Class)							IP 55, IP65/66, IP 67/68***					
Phase Rated Short-Circuit withstand		KA	50	50	60	70	85	100	120	150	170	200
Phase Rated Peak Short-Circuit withstand - ≥3 Cycles		KA	100	100	110	140	185	210	260	330	370	400
Impedance Value												
Phase Resistance (R20)		mΩ/m	0.074	0.074	0.066	0.04	0.031	0.0275	0.0216	0.0155	0.0137	0.01
Phase Reactance (X)		mΩ/m	0.019	0.019	0.018	0.012	0.011	0.01	0.007	0.006	0.005	0.0035
Phase Impedance (Z)		mΩ/m	0.076	0.076	0.068	0.042	0.033	0.029	0.023	0.017	0.015	0.011
Thermal Phase Resistance (Rt)		mΩ/m	0.079	0.079	0.071	0.044	0.035	0.033	0.025	0.019	0.0163	0.0119
		cos= 0.7	0.0654	0.0654	0.0591	0.0366	0.0296	0.0264	0.0201	0.0151	0.0132	0.0095
		cos= 0.75	0.0681	0.0681	0.0614	0.0379	0.0305	0.0272	0.0208	0.0156	0.0136	0.0098
		cos= 0.8	0.0706	0.0706	0.0636	0.0392	0.0314	0.0280	0.0215	0.0160	0.0140	0.0101
		cos= 0.85	0.0729	0.0729	0.0656	0.0403	0.0321	0.0286	0.0220	0.0163	0.0143	0.0103
		cos= 0.9	0.0749	0.0749	0.0672	0.0412	0.0327	0.0291	0.0225	0.0166	0.0145	0.0105
		cos= 0.95	0.0762	0.0762	0.0683	0.0417	0.0329	0.0292	0.0227	0.0166	0.0146	0.0106
		cos= 1	0.0740	0.0740	0.0660	0.0400	0.0310	0.0275	0.0216	0.0155	0.0137	0.0100
Weight (4 Pole)		Kg/m	13.5	13.5	15.0	18.0	24.0	25.0	31.0	46.5	48.5	59.5
Number of Trunk		Nos.	1	1	1	1	1	1	1	2	2	2
Joule Losses(3RF) at Nominal current		W/m	100.02	161.28	219.00	220.31	268.80	396.00	468.75	583.68	782.40	892.50

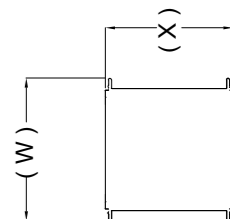
Note: (*) Please Contact Your Local Agent for Quotation about required Ratings. () In Accordance with UL 857. (***) Only Available for Feeder Length as an Optional Feature.**

All Rated Current are Related to an ambient temperature at 40°C.

The Rated Current Should Be Derating as Shown Multipliers by Higher Ambient Temperatures.

Please Do Not Hesitate to Contact Your Local Agent For getting Further Information For Your Needs, or You can Send us an E-mail to info@compacelcric.eu

(W)	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300	(X)	3P	4P	5P
Al	91	91	121	151	221	221	271	418	418	518	---		129	135	153
Cu	---	91	91	106	151	186	221	271	348	418	518				



Copper

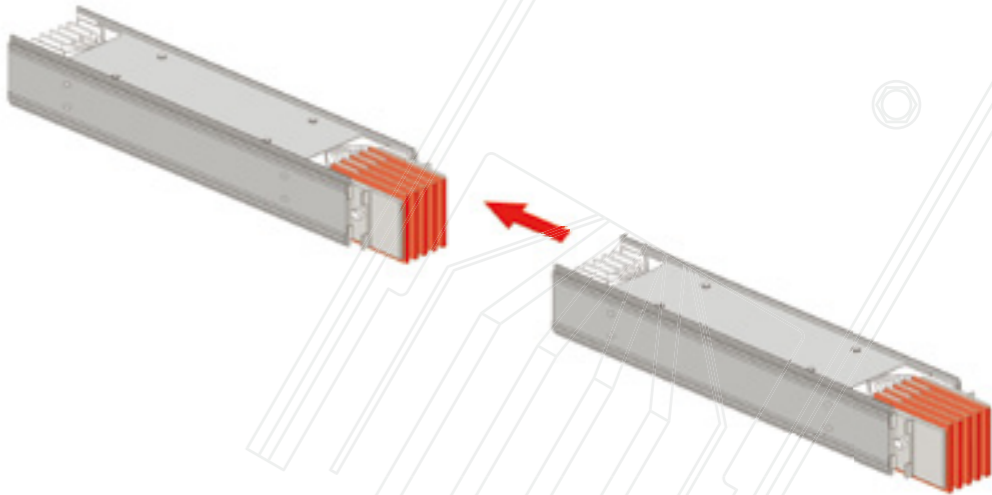
Rated Current (Ambient Temperature 40°C)	Amps		800	1000	1250 (1350*)	1600	2000	2500	3200 (3000*)	4000	5000	6300
Reference Standard	IEC 439-1-IEC 439-2, CEI EN 60439-1-CEI EN 60439-2, UL 857**											
Operation Voltage	Volts											
Frequency	Hz											
Protection Degree (IP Class)	IP 55, IP65/66, IP 67/68***											
Phase Rated Short-Circuit withstand	KA		50	50	60	70	85	100	120	150	170	200
Phase Rated Peak Short-Circuit withstand - ≥3 Cycles	KA		100	100	110	140	185	210	260	330	370	400
Impedance Value												
Phase Resistance (R20)	mΩ/m		0.053	0.049	0.0355	0.0264	0.0214	0.0168	0.0108	0.0107	0.0084	0.006
Phase Reatance (X)	mΩ/m		0.021	0.02	0.021	0.017	0.013	0.01	0.006	0.005	0.004	0.004
Phase Impedance (Z)	mΩ/m		0.057	0.053	0.041	0.031	0.025	0.020	0.012	0.012	0.009	0.007
Thermal Phase Resistance (Rt)	mΩ/m		0.056	0.052	0.039	0.029	0.024	0.018	0.012	0.0115	0.0095	0.0068
	cos= 0.7		0.0521	0.0486	0.0398	0.0306	0.0243	0.0189	0.0118	0.0111	0.0087	0.0071
	cos= 0.75		0.0536	0.0500	0.0405	0.0310	0.0246	0.0192	0.0121	0.0113	0.0089	0.0071
	cos= 0.8		0.0550	0.0512	0.0410	0.0313	0.0249	0.0194	0.0122	0.0116	0.0091	0.0072
	cos= 0.85		0.0561	0.0522	0.0412	0.0314	0.0250	0.0195	0.0123	0.0117	0.0092	0.0072
For Distributed Load	cos= 0.9		0.0569	0.0528	0.0411	0.0312	0.0249	0.0195	0.0123	0.0118	0.0093	0.0071
	cos= 0.95		0.0569	0.0528	0.0403	0.0304	0.0244	0.0191	0.0121	0.0117	0.0092	0.0069
	cos= 1		0.0530	0.0490	0.0355	0.0264	0.0214	0.0168	0.0108	0.0107	0.0084	0.0060
Weight (4 Pole)	Kg/m		23	23.5	29.5	41	52	62.5	73	102.5	123.5	143
Number of Trunk			1	1	1	1	1	1	1	2	2	2
Joule Losses(3RF) at Nominal current	W/m		107.52	156.00	182.81	222.72	288.00	337.50	368.64	552.00	712.50	809.68

Note: (*)Please Contact Your Local Agent for Quotation about required Ratings. (**) In Accordance with UL 857. (***) Only Available with Straight Length as an Optional Feature.

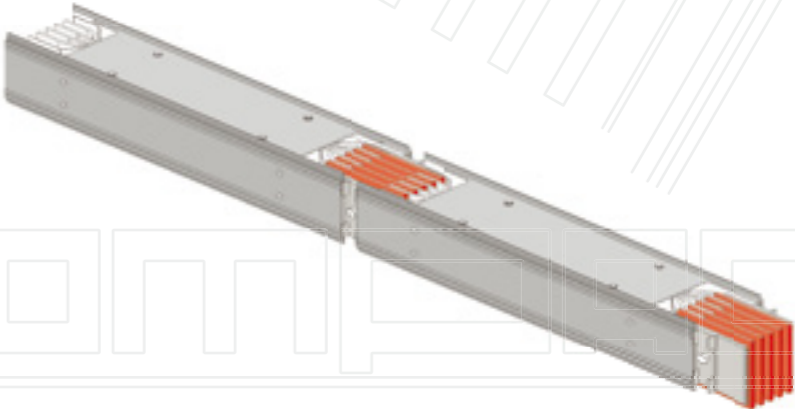
Calculate new voltage drop- $Vd(3P3W) = \text{Amps Load } X \sqrt{3IR \cos\theta + X \sin \theta}$, where $\cos \theta = \text{Power Factor}$.
Please Contact Your local Agent for Free Service of COMPAC with electrical calculations.

CRITICAL ASSEMBLING WORK FOR JOINT

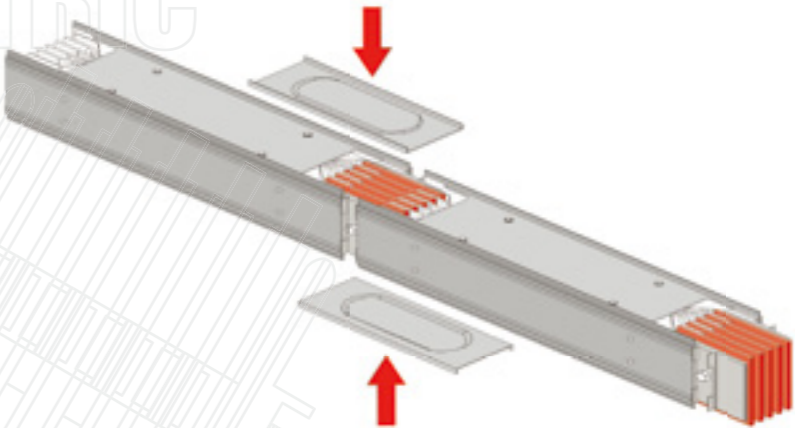
step ①



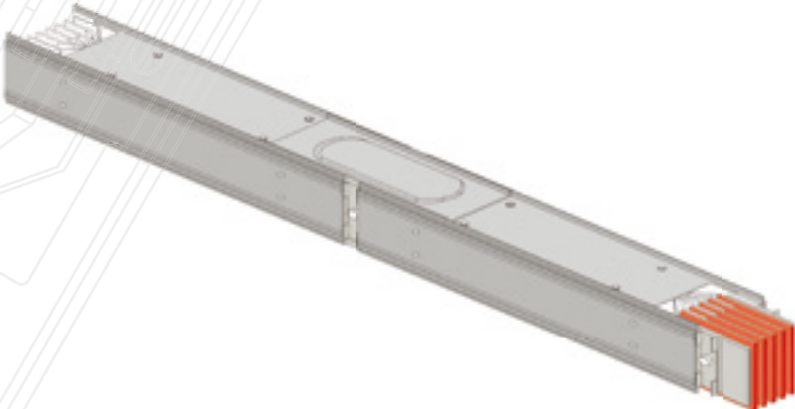
step ②



step ③



step ④



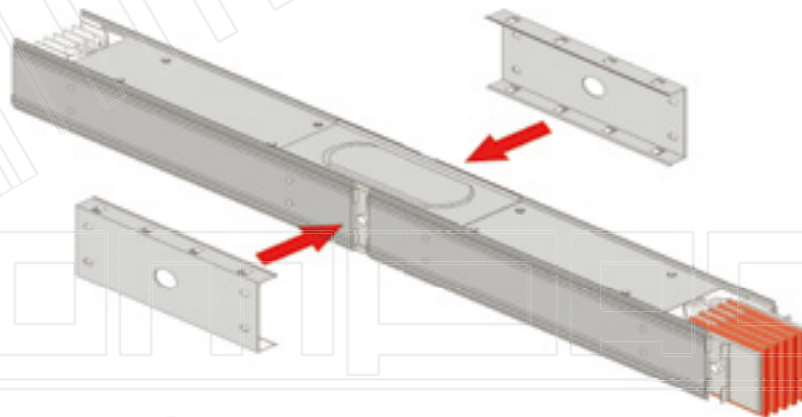
CRITICAL ASSEMBLING WORK FOR JOINT

NOTE

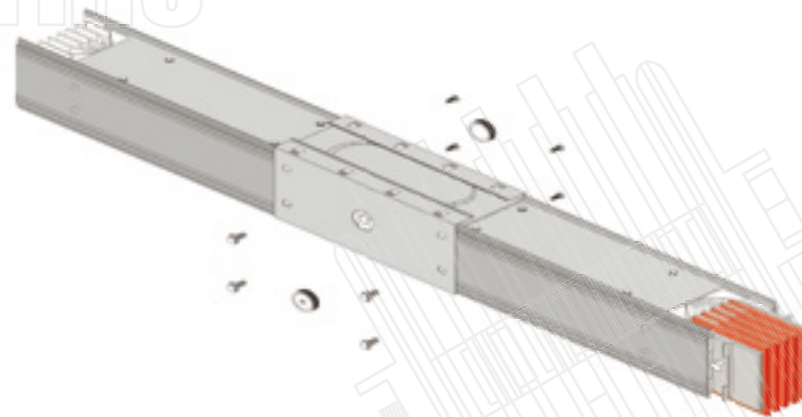
step 5



step 6



step 7



Completed 8

