



**CLINTVENETA**

**MODERN EQUIPMENT FOR AIR  
CONDITIONING DUCT INSTALLATION**

[WWW.CLINTVENETA.COM](http://WWW.CLINTVENETA.COM)

2024 COLLECTION

**CLINT***VENETA*





**CLINTVENETA**





CLINTVENETA company started its activity with the production of duct flange in 2011. CLINTVENETA with its tireless efforts, now operates in the field of elastomeric insulation, air conditioning ducts and accessories.

With the responsibility of being a leader, we understand the full scope of the commitment we must make. Our goal is to produce customer-oriented products by transforming the innovative approach that every CLINTVENETA employee understands.

Currently, CLINTVENETA, starting from the project process, by sharing information and knowledge with innovative and effective solutions, is rapidly becoming a favorite brand in its products.

The Group of Factories of CLINTVENETA is active in Azerbaijan, Türkiye, Iran and Oman. CLINTVENETA products include: elastomeric insulation, sound insulation, pre-insulated channels, fasteners and supports, air conditioning channels including insulation and non-insulation, connections and ventilation accessories, etc. The high quality of our products has enabled us to receive valid domestic and foreign certificates.

The company's management will always try to provide better, faster and cheaper services to its customers by continuously improving the systems and methods of doing work and by using the required information and knowledge.

The company started its activity with a customer-oriented attitude and from the beginning, it tries to provide the three factors of price, quality and in time delivery in accordance with the demands of its customers.

The goal of this company is to provide the best products, proper service in the shortest possible time and use the best goods. The company has always been committed to quality and has put customer satisfaction at the forefront of its performance.

We will continue to provide reliable, long-lasting and economical solutions to our customers' needs who support us with positive and negative feedback as we move towards our goals. We intend to expand our regional operations in the regions we operate worldwide and we intend to operate using our international certifications.

Our product quality and innovative technical and customer-oriented solutions.

CLINTVENETA



# ALLIANCE

Registrar & Inspection Services - Parsian

Quality Management System

## Certificate of Registration

This is to certify that the

# (CLINTVENETA)



Located at:

Office: Unit 305, No. 01, Bahrami St., Nelson Mandela Blvd, Tehran, Iran.  
Factory: Hitech Blvd., Ghasem Soliemani Industrial Town, Tabriz, Iran.

for

Supplying of Air Conditioning Systems Equipment and Rectangular Duct, TDC Flange and EPDM Closed Cell Elastomeric Thermal Insulation.

Has been assessed and registered against the provisions of

## ISO9001:2015

International Standard

With

IAF Code: 18

Certification Number: 827402

Current Date: January 14, 2024

Modification Date: N/A

NACE Code: DK 29.4

Original Date: January 14, 2024

Expiration Date: January 13, 2027



*Hojjat Moeeni*

Hojjat Moeeni  
Certification Director  
Tehran, Iran.  
[www.ariscert.ir](http://www.ariscert.ir)

Registration is subjected to the management system being continually maintained to the above standard under regular surveillance. Should surveillance not take place when required, registration shall be removed. This certificate is the property of Alliance Parsian.



# ALLIANCE

Registrar & Inspection Services- ARIS

CE MARK

EC DECLARATION OF CONFORMITY

## CLINTVENETA Co.



Located at:

No.26, Unit#33, 3<sup>rd</sup> Floor, North Naft St., Mirdamad St., Tehran, Iran.

I/We here with declare under our responsibility that the products special bellowed are manufactured in conformity with the Council Directive: CPD/CPR: 89/106/EEC.

**EU Authorized Representative: Mr. Aydin Malek**

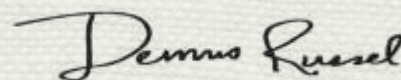
Description of Products: Air Duct Connections TDC Flange, Corner, Clips, Rectangular Duct, Profiles & Brackets and Close Cell Elastomeric Thermal Insulation.

**Applicable Standards: EN 14314+A1, EN 13166+A2**

This verification is subjected to the company maintaining its system to the required standard, which will be monitored by Alliance.

Certification Number: CE3785  
Current Date: November 28, 2022

Original Date: January 25, 2016  
Expiration Date: November 27, 2025



Dennis Russell  
Certification Director  
Toronto, Canada  
[www.allianceregristrars.com](http://www.allianceregristrars.com)

**X**

**AIR DUCT CONNECTION SYSTEM**

**E**

**PROFILES BRACKETS**

**D**

**PIPE CLAMPS**

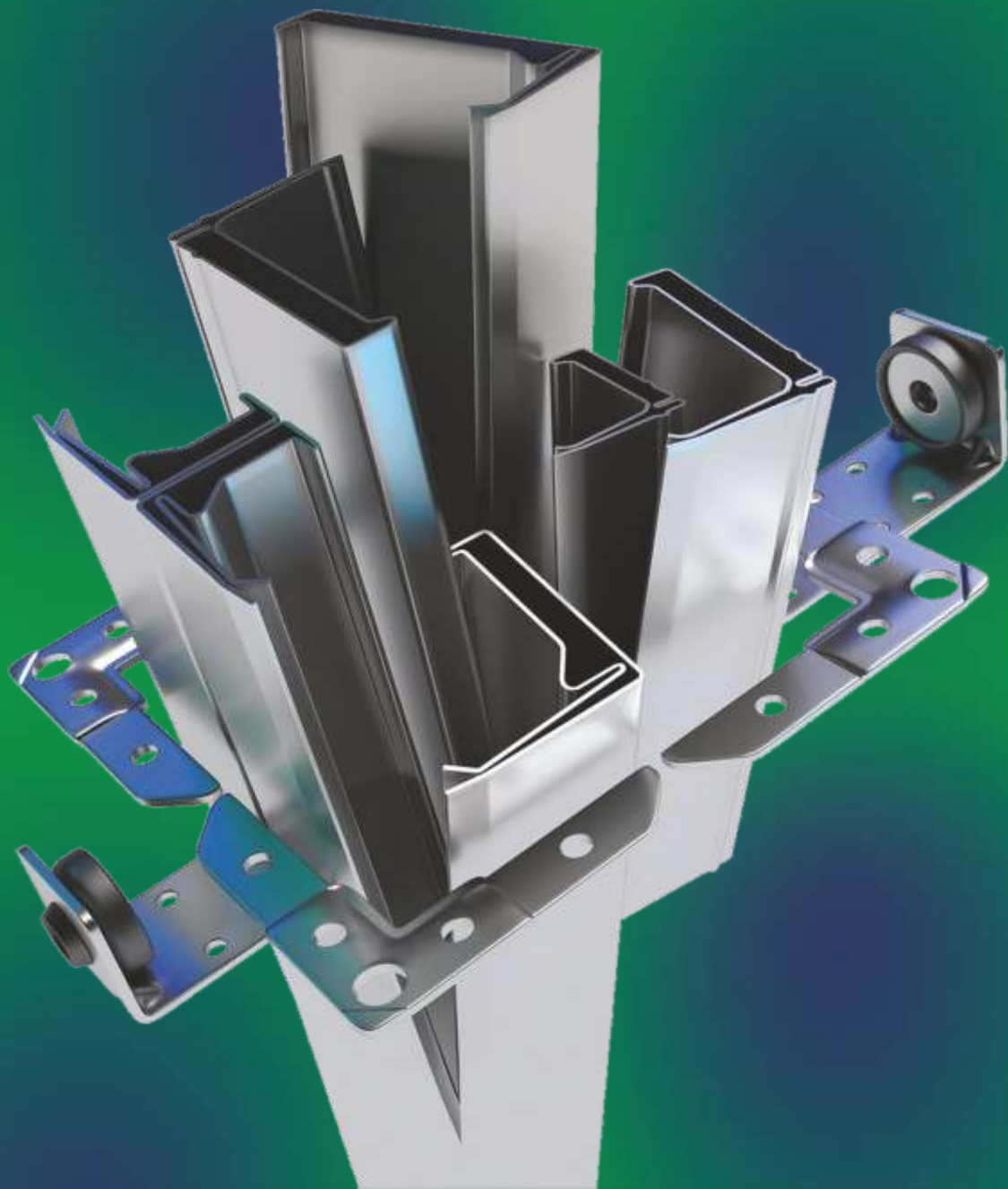
**N**

**FLEXIBLE DUCTS**

**I**

**ELASTOMERIC INSULATION**



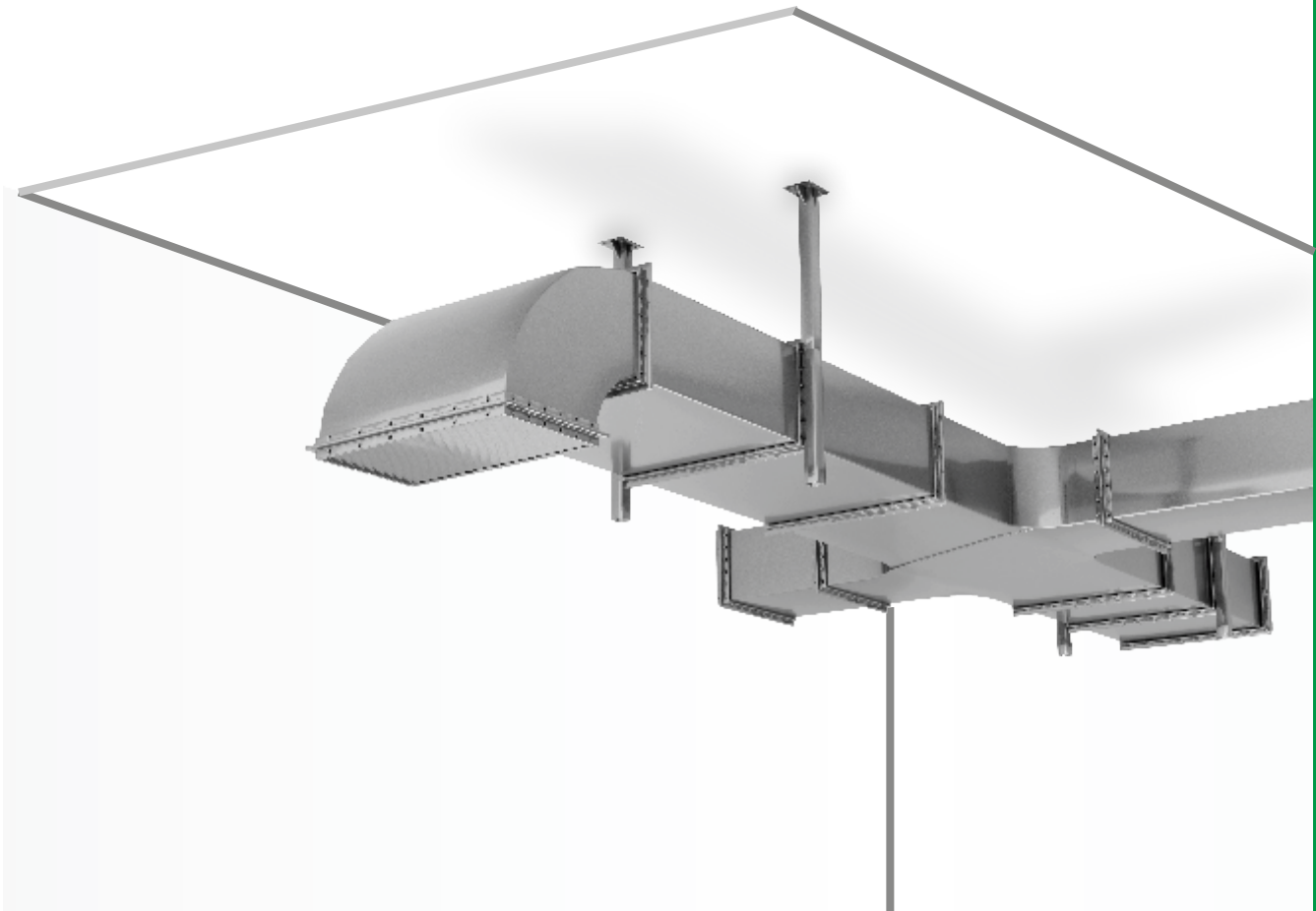


*CLINTVENETA*





# ***AIR DUCT CONNECTION SYSTEMS***



**Assembly Instructions**

Always cut **CLINTVENETA** Flange shorter according to table below than the outside duct dimension

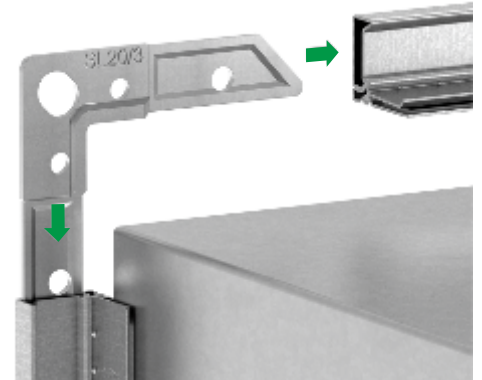
FLANGE SIZE	CUT LENGTH
20	28 - 30 mm
30	24 - 26 mm
40	34 - 36 mm

**1**



Insert **CLINTVENETA** Corner Piece as shown.

**2**



Install **CLINTVENETA** corner pieces to every 4 corner and complete the frame. Start completed **CLINTVENETA** frame at corner of duct section.

**3**



**Corner of duct section must clear CLINTVENETA Corner Piece.**

If the duct section corner of the Seam Lock ends up under the **CLINTVENETA** Corner tap the frame outwards to allow the duct section to clear and slide past the **CLINTVENETA** Corner.



**4**

The duct section must be seated into the **CLINTVENETA** Flange so that the leading edge of the duct section penetrates the integral mastic sealer. The corners-of the duct section will then project above the **CLINTVENETA** corners.

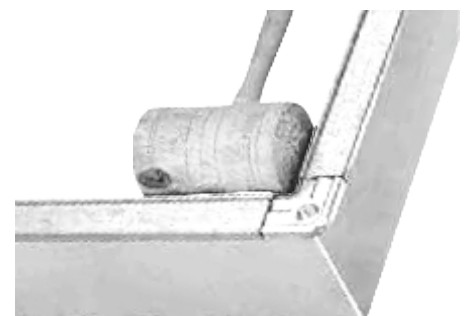
Use a mallet to locate the duct section. Establish metal to metal contact along the full length of the flange. Temporarily secure the frame in position while applying permanent fasteners.

It is recommended that the **CLINTVENETA** Flange is fastened to the duct section within 20mm of the end of the **CLINTVENETA** Flange.

**5**

Work in one direction around duct locating the frame. Fasten in sequence using chosen method of fixing from Table 5 of DW144.

Do not fasten Flange at corner first, it can cause location problems.



**Assembly Instructions**

**CLINTVENETA** Flange can be fastened to the duct section with self-drilling screws or spot welds. Spot welding is recommended for a superior quality installation (eliminates holes in duct). For all pressure classes fastenings are required at 300mm max centres



**6**

Apply **CLINTVENETA** Sealer to the corners as shown. Ensure all 8 corners are treated



**7**

Apply **CLINTVENETA** Gasket Tape to the Clintveneta Flange starting about half way between two corners. Position along groove in **CLINTVENETA** Flange as shown

**Gasket Tape sizes to be used;**

FLANGE PROFILE	GASKET SIZES
F20	15 x 5 mm
F30	20 x 5 mm
F40	30 x 5 mm



**8**

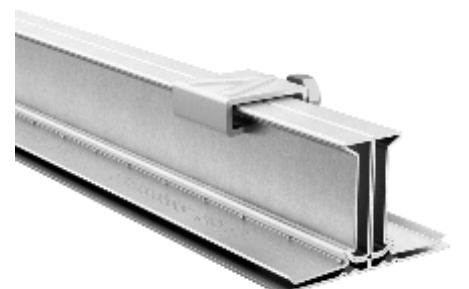
Position Gasket Tape in an arc to cover the corner of the duct section. Apply **CLINTVENETA** Gasket Tape in one piece around the Clintveneta frame and join at the starting point with a firm butt joint, ensuring there is no gap



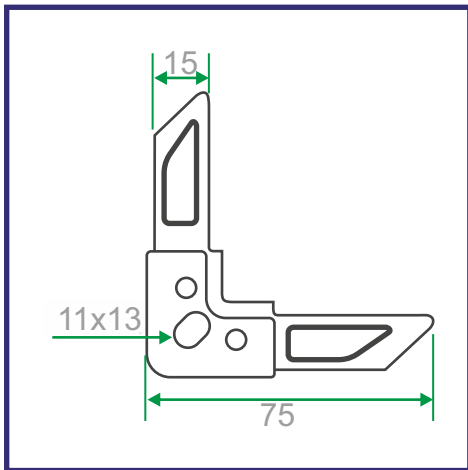
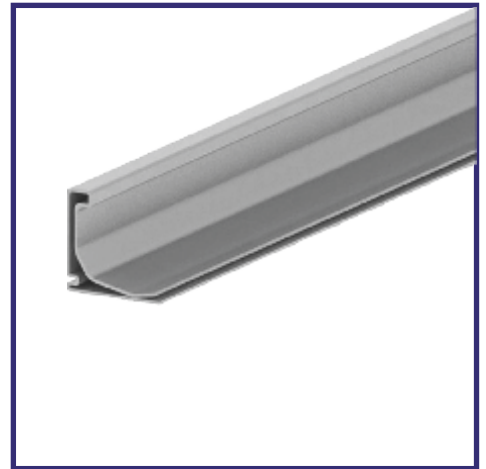
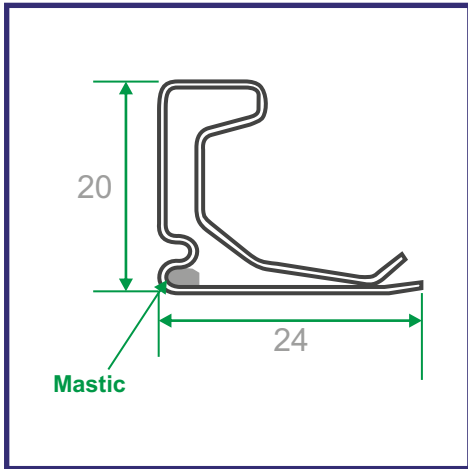
**9**

The duct sections are joined by bringing together the four corners by installing set screws and nuts. Use wrenches, nut driver or adjust a vice grip so that when the Gasket Tape is compressed, the corner pieces touch. Then tighten the set screw and nut. **CLINTVENETA** Flange system should be fastened together at the following intervals by cleats or g-clamps as shown

Pressure Class	G- Clamp Interval
Low	600 mm
Medium	450 mm
High	300 mm



**10**

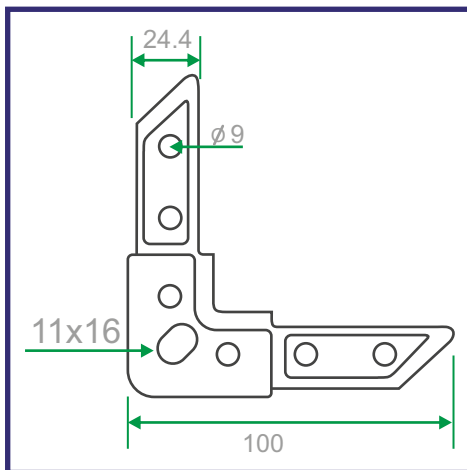
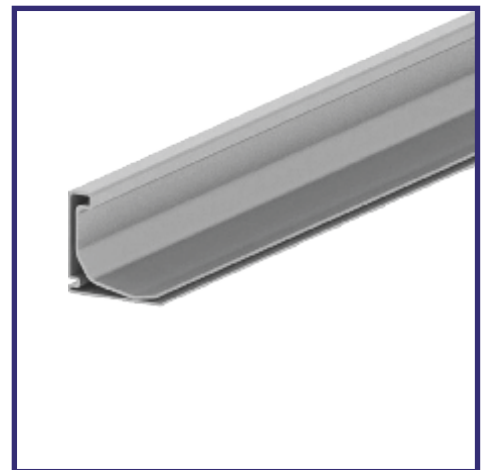
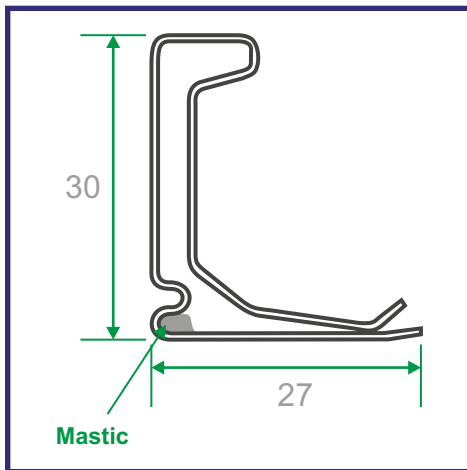


Product Code	Product Description	Standard Length m	Material	Unit Weight kg/m	Qty/Bundle m	Bundle Weight kg
<b>F 20 GL</b>	20 mm Flange Profile With Sealant	4000	GL	0.42	20	8.4
<b>F 20 ST</b>	20 mm Stainless Steel Flange Profile	4000	ST	0.47	20	9.4
<b>F 20 AL</b>	20 mm Aluminium Flange Profile	4000	AL	0.17	20	3.4

Product Code	Product Description	Thickness mm	Material	Unit Weight kg/m	Qty/Box	Bundle Weight kg
<b>C20 GL</b>	20 mm Corner Pieces	2	GL	0.029	800	23.2
<b>C20 ST</b>	20 mm Stainless Steel Corner Pieces	2	ST	0.032	800	25.6
<b>C 20 AL</b>	20 mm Aluminium Corner Pieces	2	AL	0.010	800	8.0

Hot Band Galvanized : **GL**  
 Stainless Steel: **ST**  
 Aluminium: **AL**

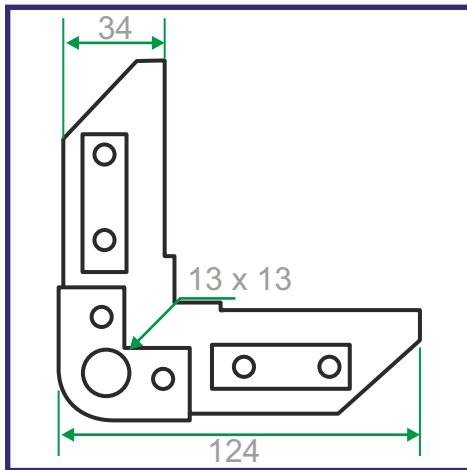
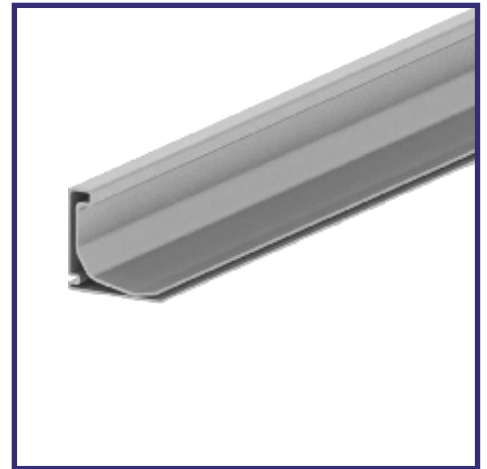
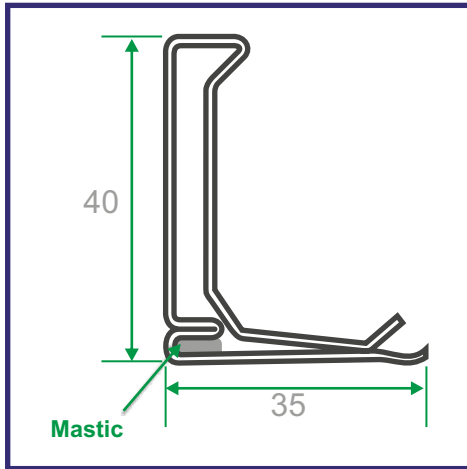




Product Code	Product Description	Standard Length m	Material	Unit Weight kg/m	Qty/Bundle m	Bundle Weight kg
<b>F 30 GL</b>	30 mm Flange Profile With Sealant	4000	GL	0.64	20	12.8
<b>F 30 ST</b>	30 mm Stainless Steel Flange Profile	4000	ST	0.70	20	14.0
<b>F 30 AL</b>	30 mm Aluminium Flange Profile	4000	AL	0.22	20	4.4

Product Code	Product Description	Thickness mm	Material	Unit Weight kg/m	Qty/Box	Bundle Weight kg
<b>C30 GL</b>	30 mm Corner Pieces	2	GL	0.060	300	18.0
<b>C30 ST</b>	30 mm Stainless Steel Corner Pieces	2	ST	0.067	300	20.1
<b>C 30 AL</b>	30 mm Aluminium Corner Pieces	2	AL	0.025	300	7.5

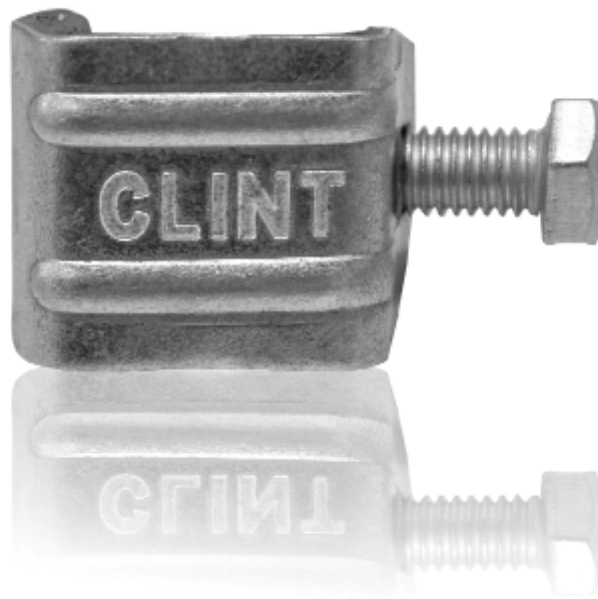
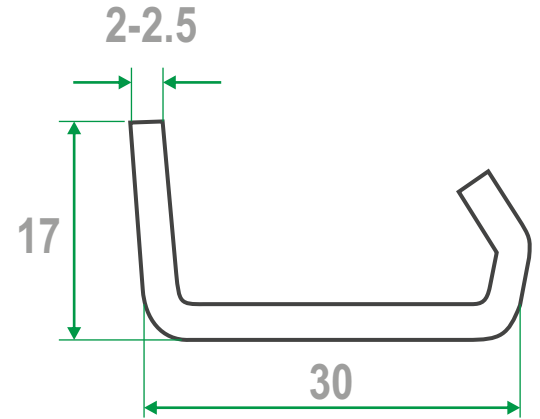
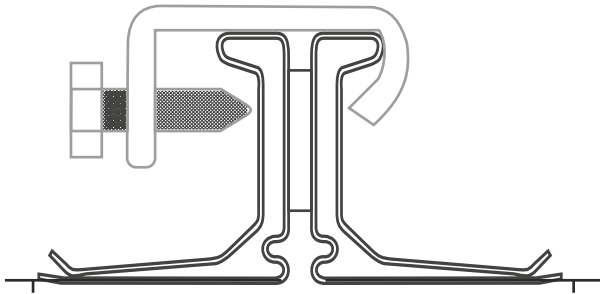
Hot Band Galvanized : **GL**  
 Stainless Steel: **ST**  
 Aluminium: **AL**



Product Code	Product Description	Standard Length m	Material	Unit Weight kg/m	Qty/Bundle m	Bundle Weight kg
<b>F 40 GL</b>	40 mm Flange Profile With Sealant	4000	GL	1.16	20	23.2
<b>F 40 ST</b>	40 mm Stainless Steel Flange Profile	4000	ST	1.25	20	25.0
<b>F 430 AL</b>	40 mm Aluminium Flange Profile	4000	AL	0.40	20	8.0

Product Code	Product Description	Thickness mm	Material	Unit Weight kg/m	Qty/Box	Bundle Weight kg
<b>C40 GL</b>	40 mm Corner Pieces	3	GL	0.24	150	36.0
<b>C40 ST</b>	40 mm Stainless Steel Corner Pieces	3	ST	0.25	150	37.5
<b>C 40 AL</b>	40 mm Aluminium Corner Pieces	3	AL	0.08	150	12.0

Hot Band Galvanized : **GL**  
 Stainless Steel: **ST**  
 Aluminium: **AL**



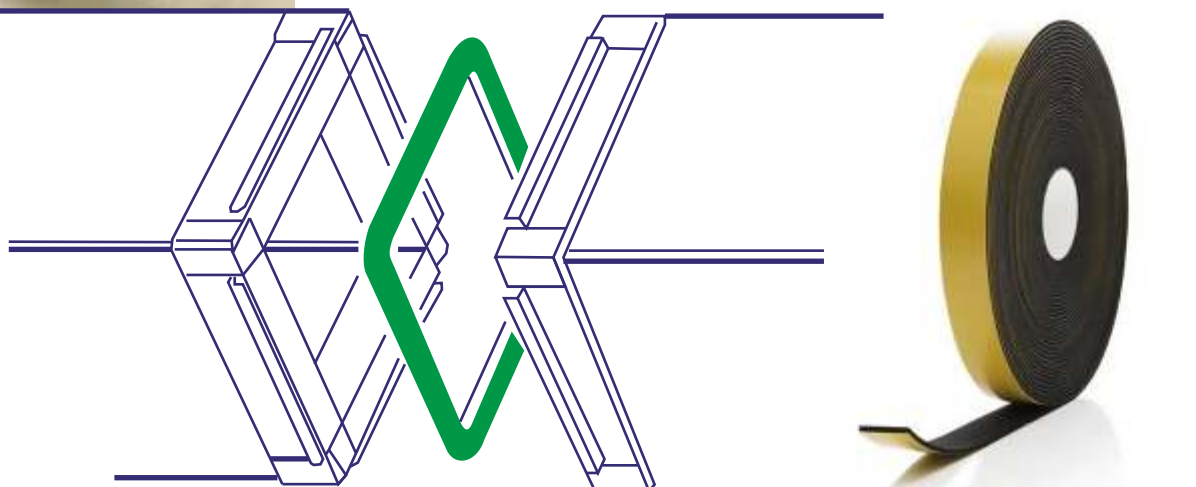
Product Code	Product Description	Thickness mm	Material	Unit Weight kg/m	Qty/Box	Bundle Weight kg
<b>Ck20</b>	Flange Clip	2.0	GL	0.025	800	20.0
<b>Ck25</b>	Flange Clip	2.5	GL	0.037	500	18.4
<b>CKS15</b>	Stainless Steel sliding Flange Clip	1.5	ST	0.049	500	24.5

Hot Band Galvanized : **GL**  
 Stainless Steel: **ST**



# G A S K E T

- Self adhesive Gasket Tapes provides a high-compression gasket between mating flanges in ductwork DW/144 or SMACNA standards.
- Sizes of gaskets should be selected according to the flange system sizes,



Material	Product Code	Temperature Resistance	5 x 15 mm Code	5 x 20 mm Code	5 x 25 mm Code	5 x 30 mm Code	5 x 40 mm Code
EVA	CGV	-20 C° / 50°C	Ev515	Ev520	Ev525	Ev530	Ev540
EPDM	VGP	-50°C / +140°C	Ep515	Ep520	Ep525	Ep530	Ep540





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# ***PROFILES & BRACKETS***



## ***PROFILES & BRACKETS***

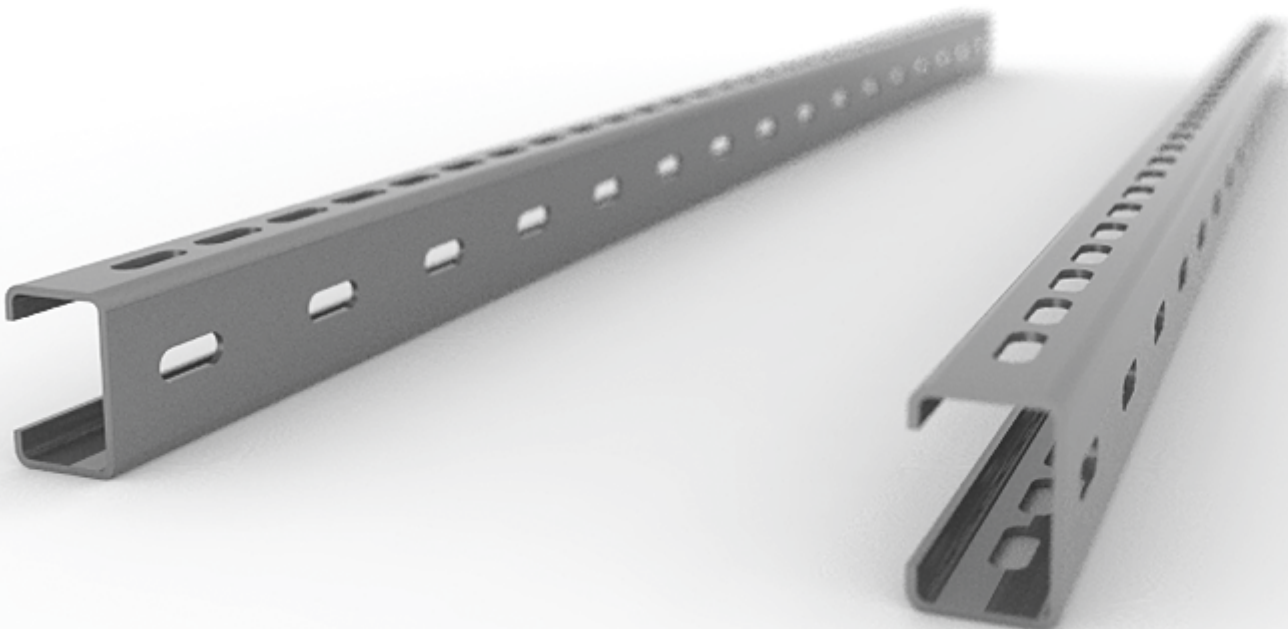
Brackets offered in this section are designed for support of pipe or hanger rod attachments. Brackets offer a convenient means of supporting pipe from a vertical surface

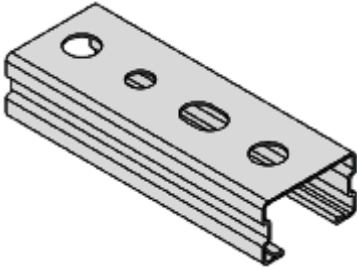
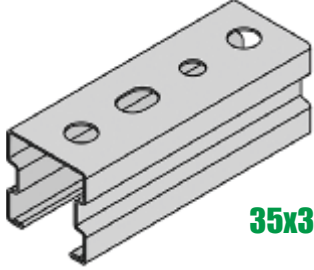
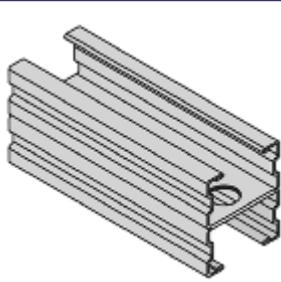
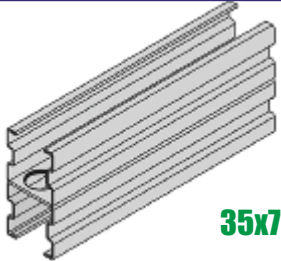
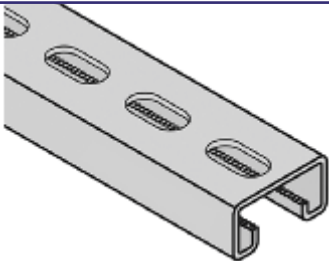
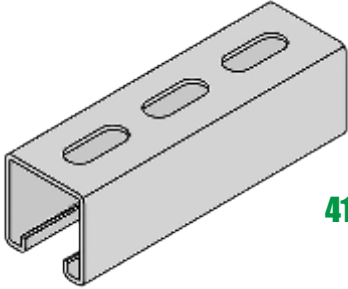
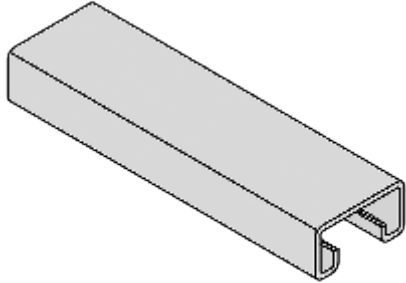
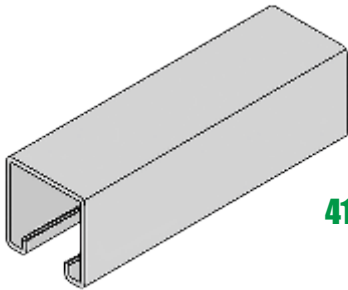
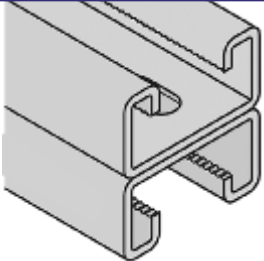
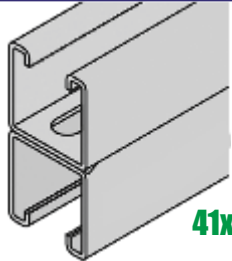
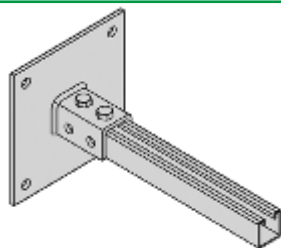
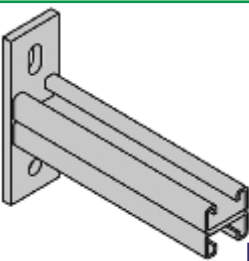
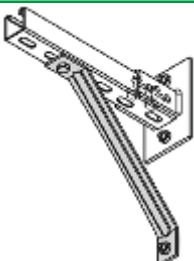
### ***Materials***

Carbon Steel is used in the manufacturing of profiles and brackets. Other materials are available

### ***Finishes***

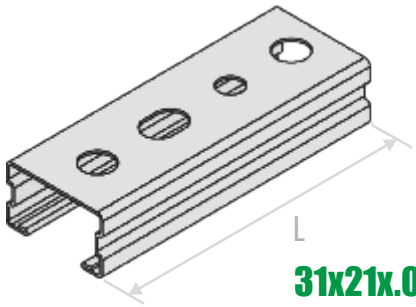
The standard finishes for mechanical supports are hot-dip galvanized after fabrication (ASTM A 123) and Electro-Plated Zinc (ASTM B 633 Sc3). Other special coatings are available upon request



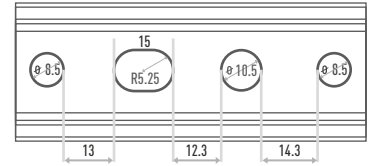
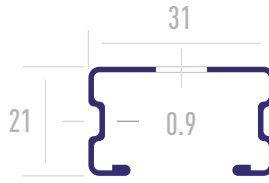
<b>PGP</b> <b>PGD</b> <b>PGP</b> <b>PGW</b> <b>PGD</b>		<b>31x21x0.9 mm</b>		<b>35x35x1.2 mm</b>	
		<b>31x42x1.2 mm</b>		<b>35x70x1.2 mm</b>	
		<b>41x21x2 mm</b>		<b>41x41x2 mm</b>	
		<b>41x21x2 mm</b>		<b>41x41x2 mm</b>	
		<b>41x42x2 mm</b>		<b>41x82x2 mm</b>	
		<b>BASE PLATE</b> <b>41x41 mm</b>		<b>BRACKET</b> <b>Double 41x21x2</b>	

**PROFILE C-0.9**

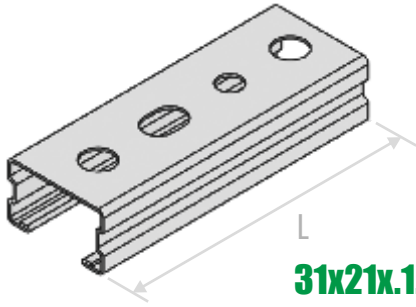
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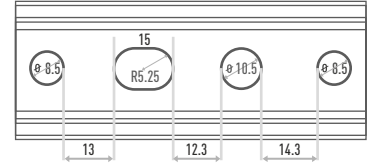
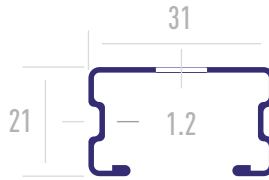
**31x21x.09 mm**



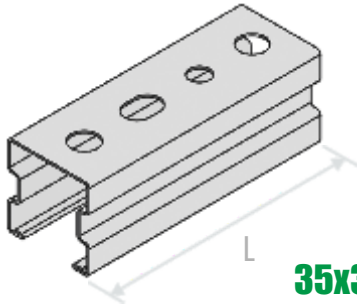
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PCP3121	3000	0.55



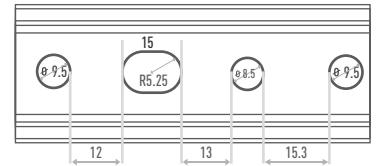
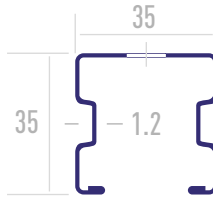
**31x21x.12 mm**



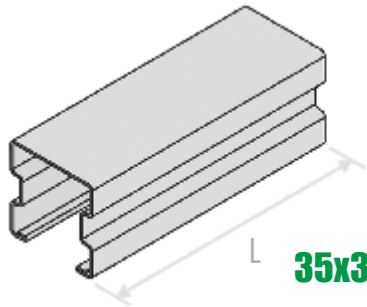
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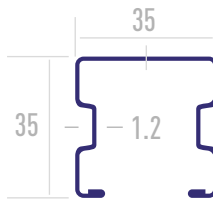
**35x35x.12 mm**



CODE:	L mm	Kg/m
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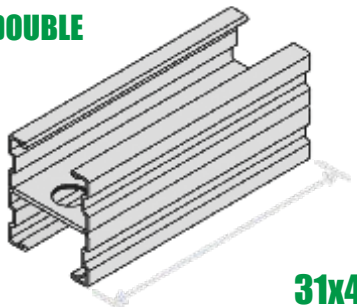


**35x35x1.2 mm**

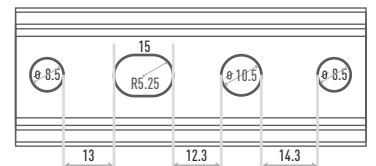
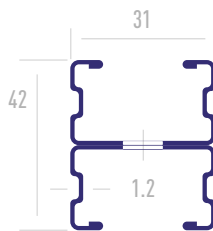


CODE:	L mm	Kg/m
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**DOUBLE**

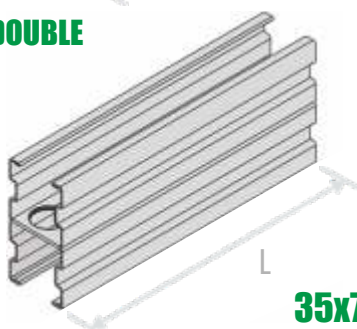


**31x42x1.2 mm**

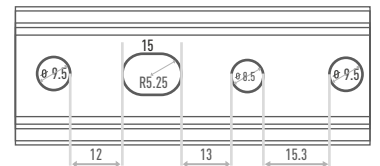
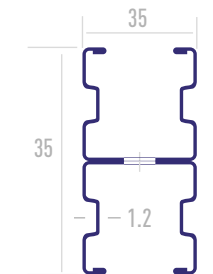


CODE:	L mm	Kg/m
PCD3141212	3000	1.5

**DOUBLE**



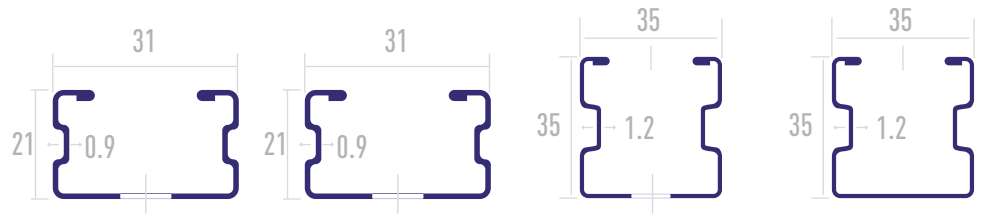
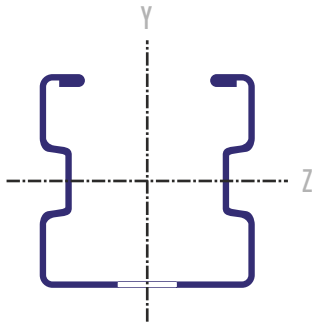
**35x70x1.2 mm**



CODE:	L mm	Kg/m
PCD357012	4000	2.34



**0.9 - 1.2 mm**



PC 31 x 21 x 0.9

PC 31 x 21 x 0.9

PC 35 x 35 x 1.2

PC 35 x 35 x 1.2

"F" forces in the table are calculated for loading direction in "y" axis.

**Material**

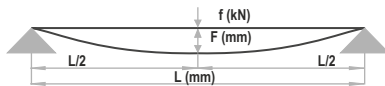
DIN 10346/10147/10142  
 Profile Section Area  $A$  (cm<sup>2</sup>)  
 Section Modulus  $W_z$  (cm<sup>3</sup>)  
 Section Modulus  $W_y$  (cm<sup>3</sup>)  
 Moment of Inertia  $I_z$  (cm<sup>4</sup>)  
 Moment of Inertia  $I_y$  (cm<sup>4</sup>)  
 Radius of gyration  $r_z$  (cm)  
 Radius of gyration  $r_y$  (cm)

**PROFILE**

	0.75	1.08	2.38	5.45
	0.53	0.97	1.35	4.20
	1.12	1.33	3.05	6.36
	0.55	1.69	1.48	9.24
	1.96	2.33	6.87	14.32
	0.37	0.78	0.31	1.30
	1.37	1.08	1.44	1.62

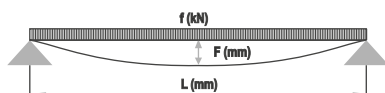
**Profile Length (mm)**

	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)
6.000								
5.000								
4.000								
3.500								
3.000								
2.500					0.11	10.42	0.15	10.42
2.000			0.07	8.33	0.18	8.33	0.23	8.33
1.500	0.09	6.25	0.12	6.25	0.32	6.25	0.41	6.25
1.250	0.14	5.21	0.17	5.21	0.43	4.95	0.56	4.95
1.000	0.21	4.17	0.27	4.17	0.54	3.17	0.70	3.17
750	0.35	2.94	0.45	2.93	0.72	1.78	0.93	1.78
500	0.53	1.31	0.67	1.30	1.08	0.79	1.40	0.79
300	0.88	0.47	1.12	0.47	1.80	0.29	2.33	0.29
250	1.06	0.33	1.35	0.33	2.17	0.20	2.80	0.20
200	1.32	0.21	1.68	0.21	2.71	0.13	3.50	0.13
100	2.65	0.05	3.37	0.05	5.41	0.03	7.00	0.03



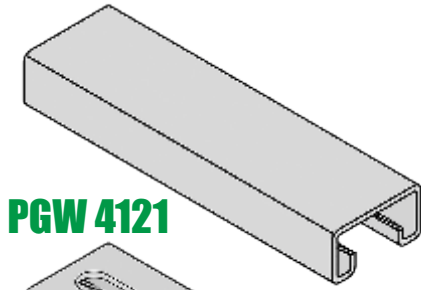
**Profile Length (mm)**

	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)
6.000								
5.000								
4.000								
3.500								
3.000								
2.500					0.18	10.42	0.24	10.42
2.000			0.11	8.33	0.28	8.33	0.37	8.33
1.500	0.15	6.25	0.19	6.25	0.51	6.25	0.65	6.25
1.250	0.22	5.21	0.28	5.21	0.73	5.21	0.94	5.21
1.000	0.34	4.17	0.43	4.17	1.08	3.96	1.40	3.96
750	0.60	3.13	0.77	3.13	1.44	2.23	1.87	2.23
500	1.06	1.63	1.35	1.63	2.17	0.99	2.80	0.99
300	1.77	0.59	2.24	0.59	3.61	0.36	4.66	0.36
250	2.12	0.41	2.69	0.41	4.33	0.25	5.60	0.25
200	2.65	0.26	3.37	0.26	5.41	0.16	7.00	0.16
100	5.30	0.07	6.73	0.07	10.83	0.04	13.99	0.04

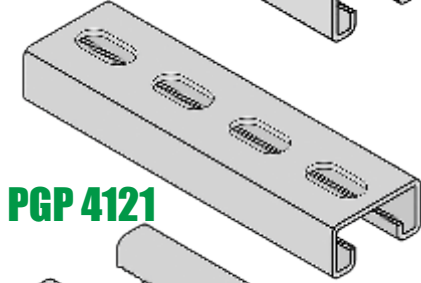


In case of the indicated max. spans L (cm), the admissible  $\sigma_{adm} = 144 \text{ N/mm}^2$  as well as a maximum deflection of  $f_{adm} = L / 240$  is not exceeded.

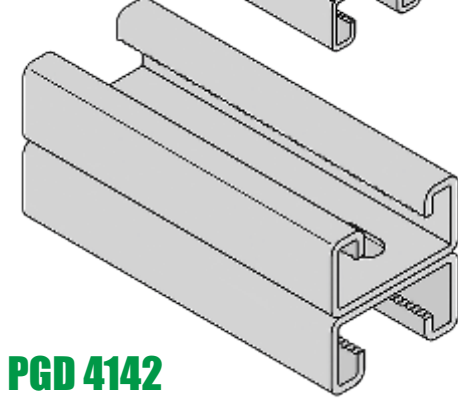
**PROFILE G 41 x 21 x 2 mm**



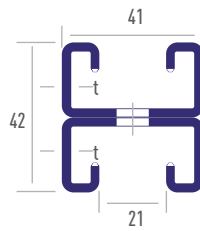
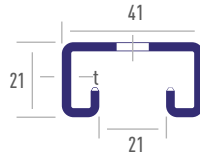
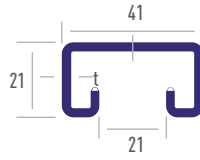
**PGW 4121**



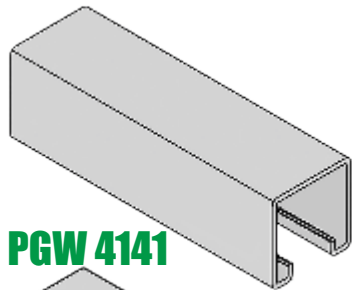
**PGP 4121**



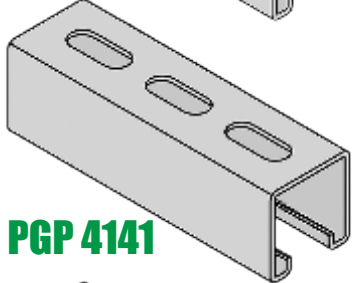
**PGD 4142**



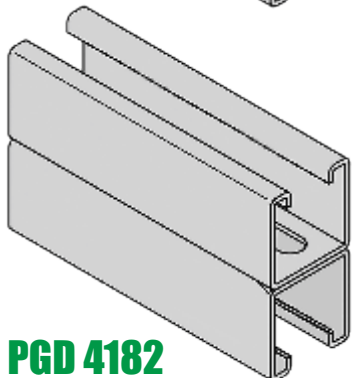
CODE:	t mm	a x b mm	c mm	Unit weight Kg/m
PGW412125	2.5			1.89
PGW412120	2.0			1.52
PGP412125	2.5	12.5 x 25	34.5	1.80
PGP412120	2.0	12.5 x 25	34.5	1.44
PGD412125	2.5	12.5 x 25	34.5	3.60
PGD412120	2.0	12.5 x 25	34.5	2.88



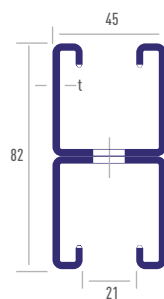
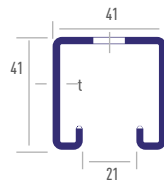
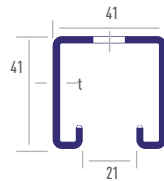
**PGW 4141**



**PGP 4141**

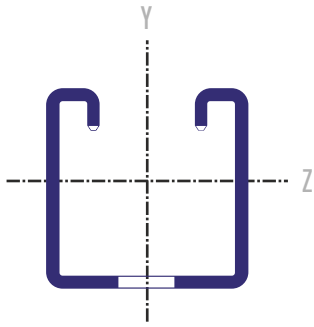


**PGD 4182**

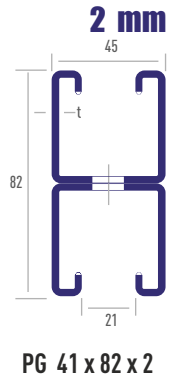
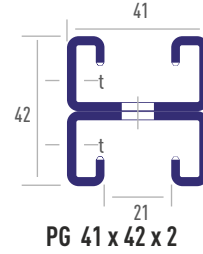
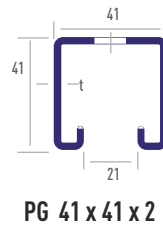
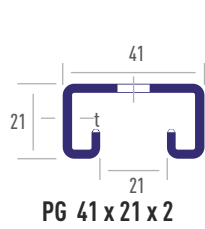


**PROFILE G 41 x 41 x 2 mm**

CODE:	t mm	a x b mm	c mm	Unit weight Kg/m
PGW414125	2.5			2.68
PGW414120	2.0			2.14
PGP414125	2.5	12.5 x 25	34.5	2.59
PGP414120	2.0	12.5 x 25	34.5	2.07
PGD414125	2.5	12.5 x 25	34.5	5.18
PGD414120	2.0	12.5 x 25	34.5	4.14



"F" forces in the table are calculated for loading direction in "y" axis.



**Material**

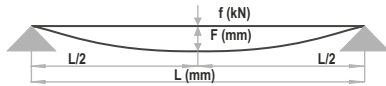
DIN 10346/10147/10142  
 Profile Section Area  $A$  (cm<sup>2</sup>)  
 Section Modulus  $W_z$  (cm<sup>3</sup>)  
 Section Modulus  $W_y$  (cm<sup>3</sup>)  
 Moment of Inertia  $I_z$  (cm<sup>4</sup>)  
 Moment of Inertia  $I_y$  (cm<sup>4</sup>)  
 Radius of gyration  $r_z$  (cm)  
 Radius of gyration  $r_y$  (cm)

**PROFILE**

	1.76	2.56	3.53	5.13
Profile Section Area $A$ (cm <sup>2</sup> )	1.76	2.56	3.53	5.13
Section Modulus $W_z$ (cm <sup>3</sup> )	0.92	2.65	2.67	7.83
Section Modulus $W_y$ (cm <sup>3</sup> )	2.27	3.75	4.53	7.50
Moment of Inertia $I_z$ (cm <sup>4</sup> )	1.00	5.48	5.60	32.11
Moment of Inertia $I_y$ (cm <sup>4</sup> )	4.64	7.69	9.29	15.38
Radius of gyration $r_z$ (cm)	0.75	1.46	1.26	2.50
Radius of gyration $r_y$ (cm)	1.62	1.73	1.62	1.73

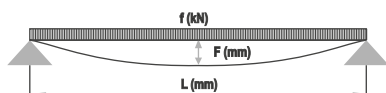
**Profile Length (mm)**

Profile Length (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)
6.000							0.37	25.00
5.000							0.54	20.38
4.000			0.14	16.67	0.15	16.67	0.84	16.67
3.500			0.19	14.58	0.19	14.58	1.10	14.58
3.000			0.26	12.50	0.26	12.50	1.50	12.50
2.500			0.37	10.42	0.38	10.42	1.80	8.71
2.000	0.11	8.33	0.58	8.33	0.59	8.33	2.26	5.57
1.500	0.19	6.25	1.02	6.21	1.02	6.12	3.01	3.14
1.250	0.27	5.21	1.22	4.31	1.23	4.25	3.61	2.18
1.000	0.42	4.17	1.52	2.76	1.54	2.72	4.51	1.39
750	0.71	2.95	2.03	1.55	2.05	1.53	6.01	0.78
500	1.06	1.31	3.05	0.69	3.07	0.68	9.02	0.35
300	1.76	0.47	5.08	0.25	5.12	0.24		
250	2.12	0.33	6.10	0.17	6.14	0.17		
200	2.64	0.21	7.62	0.11	7.68	0.11		
100	5.29	0.05	15.25	0.03	15.35	0.03		



**Profile Length (mm)**

Profile Length (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)	Max. Design Load (kN)	Deflection (mm)
6.000							0.60	25.00
5.000							0.86	20.83
4.000			0.23	16.67	0.24	16.67	1.35	16.67
3.500			0.30	14.58	0.31	14.58	1.76	14.58
3.000			0.41	12.50	0.42	12.50	2.40	12.50
2.500			0.59	10.42	0.60	10.42	3.45	10.42
2.000	0.17	8.33	0.92	8.33	0.94	8.33	4.51	6.97
1.500	0.30	6.25	1.64	6.25	1.67	6.25	6.01	3.92
1.250	0.43	5.21	2.36	5.21	2.41	5.21	7.22	2.72
1.000	0.67	4.17	3.05	3.45	3.07	3.40	9.02	1.74
750	1.19	3.13	4.07	1.94	4.09	1.91	12.03	0.98
500	2.12	1.64	6.10	0.86	6.14	0.85	18.04	0.44
300	3.53	0.59	10.16	0.31	10.23	0.31		
250	4.23	0.41	12.20	0.22	12.28	0.21		
200	5.29	0.26	15.25	0.14	15.35	0.14		
100	10.58	0.07	30.49	0.03	30.70	0.03		

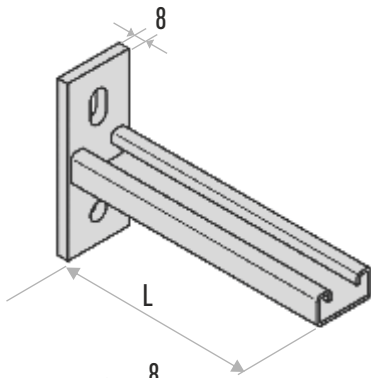


In case of the indicated max. spans  $L$  (cm), the admissible  $\sigma_{adm} = 144 \text{ N/mm}^2$  as well as a maximum deflection of  $f_{adm} = L / 240$  is not exceeded.

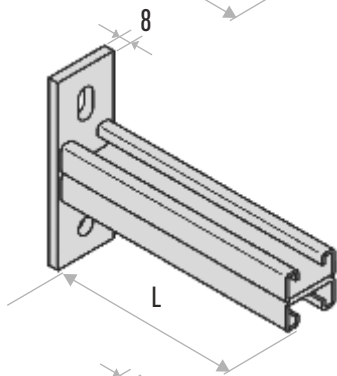
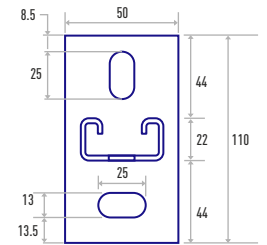
**Material:** Steel

**Standard Finish:** Electro Plated Zinc or Hot-Dip Galvanized

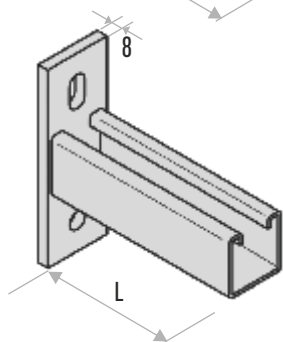
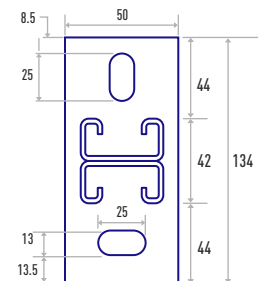
**Service:** Designed for the concole applications of various pipes.



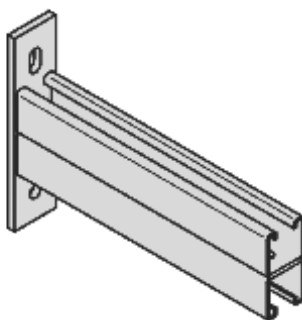
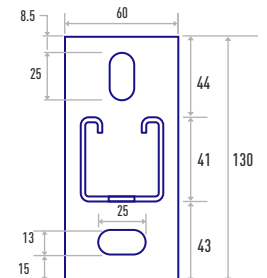
CODE:	L mm	F <sub>1</sub> kN	F <sub>2</sub> kN	F <sub>3</sub> kN	F <sub>4</sub> kN
CVBR21200	200	2.50	1.20	1.30	0.90
CVBR21300	300	1.85	0.65	0.92	0.60



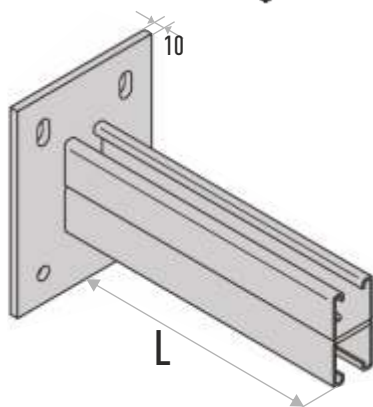
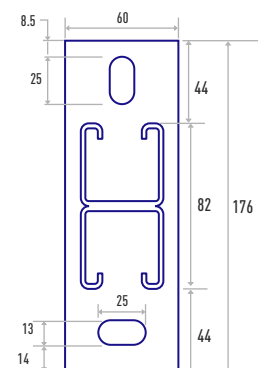
CODE:	L mm	F <sub>1</sub> kN	F <sub>2</sub> kN	F <sub>3</sub> kN	F <sub>4</sub> kN
CVBR4220	200	5.50	4.00	3.20	2.20
CVBR4230	300	5.20	2.70	2.50	1.80
CVBR42400	400	4.10	1.70	1.85	1.25
CVBR42500	500	2.70	1.10	1.30	0.80



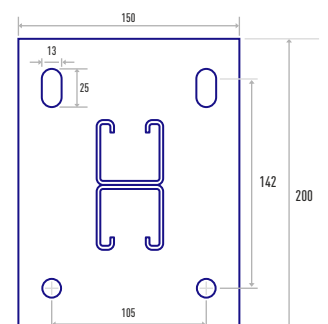
CODE:	L mm	F <sub>1</sub> kN	F <sub>2</sub> kN	F <sub>3</sub> kN	F <sub>4</sub> kN
CVBR41300	300	5.10	2.50	2.50	1.65
CVBR41400	400	4.00	1.90	2.00	1.30
CVBR41500	500	2.90	1.40	1.50	0.95
CVBR41600	600	2.45	1.25	1.20	0.80
CVBR41700	700	1.95	0.62	0.90	0.61

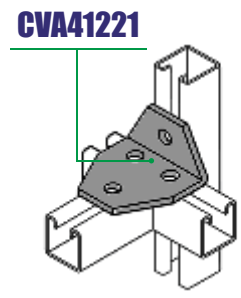
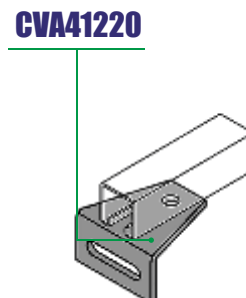
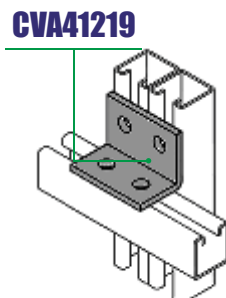
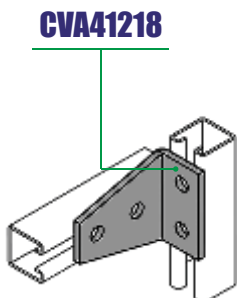
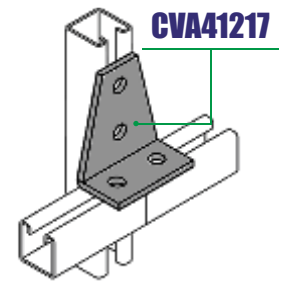
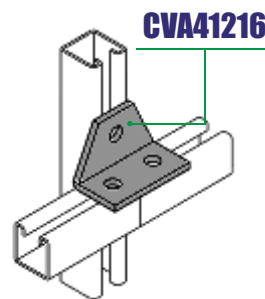
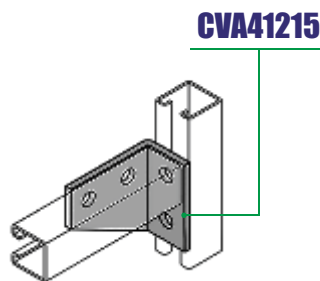
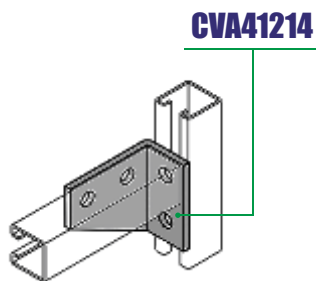
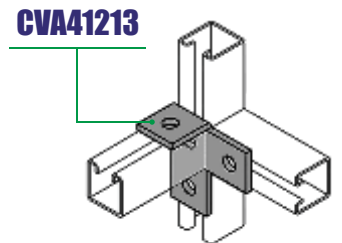
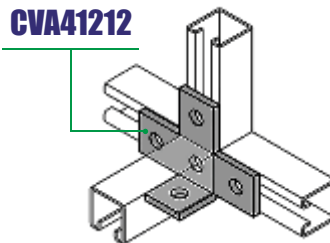
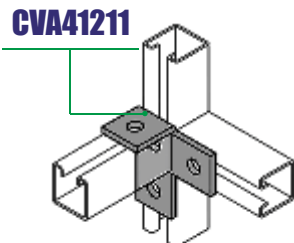
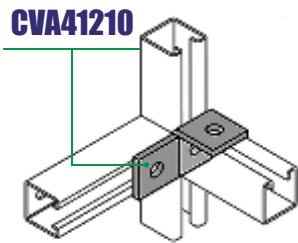
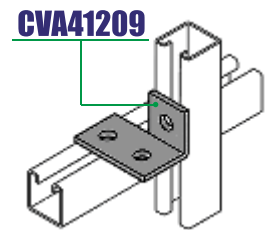
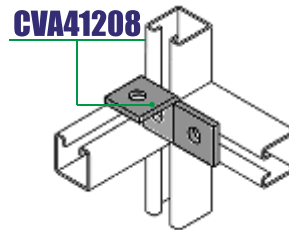
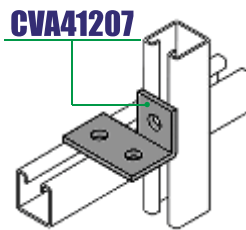
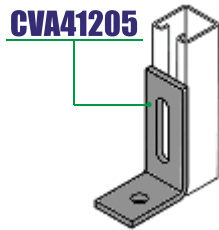
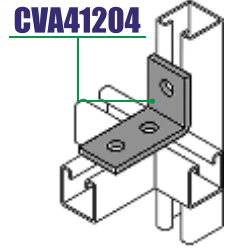
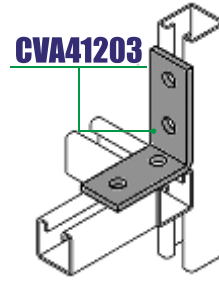
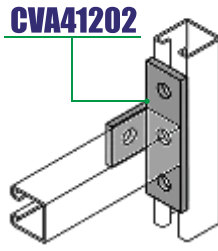
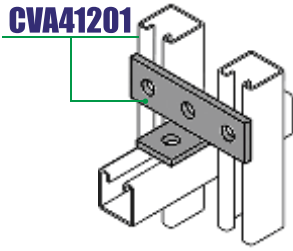
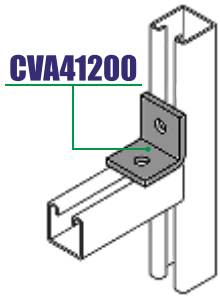


CODE:	L mm	F <sub>1</sub> kN	F <sub>2</sub> kN	F <sub>3</sub> kN	F <sub>4</sub> kN
CVBR82300	300	12.0	8.00	6.00	4.00
CVBR82450	450	7.50	4.00	3.80	2.65

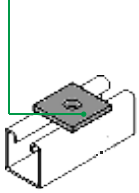


CODE:	L mm	F <sub>1</sub> kN	F <sub>2</sub> kN	F <sub>3</sub> kN	F <sub>4</sub> kN
CVBR8102600	600	8.00	4.20	4.00	2.50
CVBR8102750	750	6.10	2.90	2.60	1.80
CVBR81021000	1000	4.80	1.50	1.70	1.30

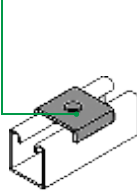




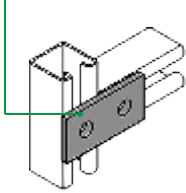
**CVA41222**



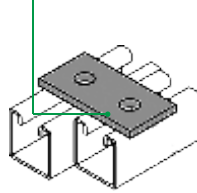
**CVA41223**



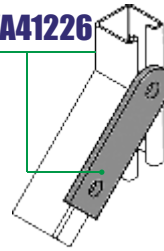
**CVA41224**



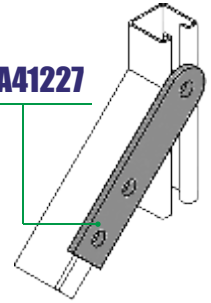
**CVA41225**



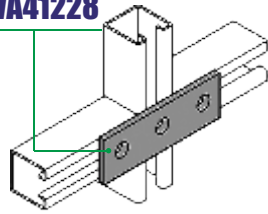
**CVA41226**



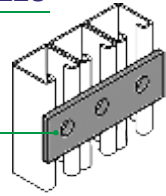
**CVA41227**



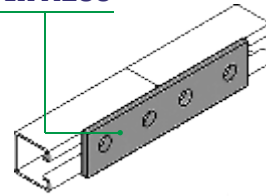
**CVA41228**



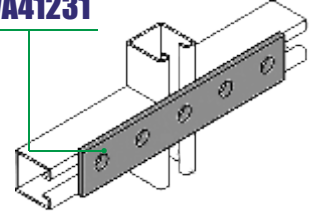
**CVA41229**



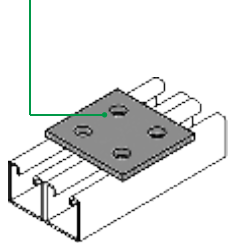
**CVA41230**



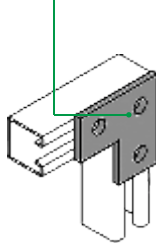
**CVA41231**



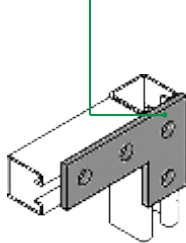
**CVA41232**



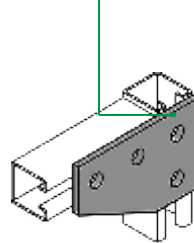
**CVA41233**



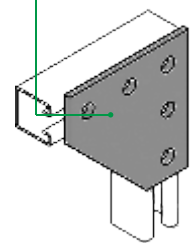
**CVA41234**



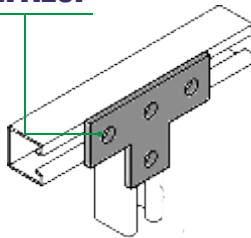
**CVA41235**



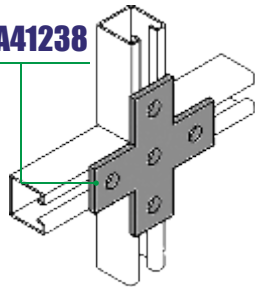
**CVA41236**



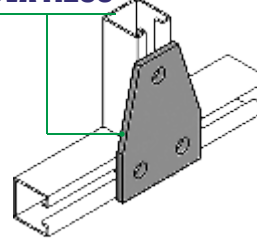
**CVA41237**



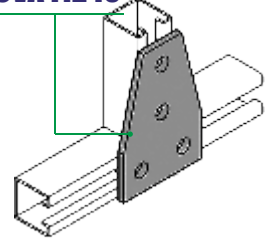
**CVA41238**



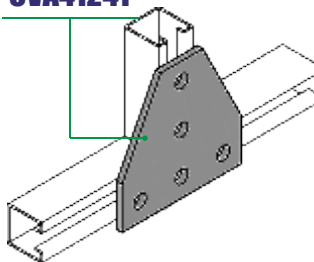
**CVA41239**



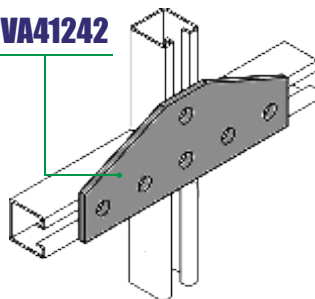
**CVA41240**



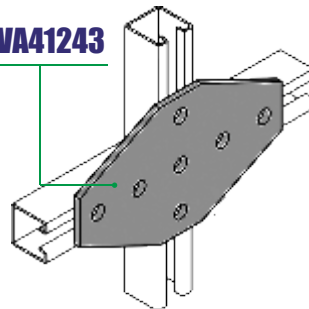
**CVA41241**



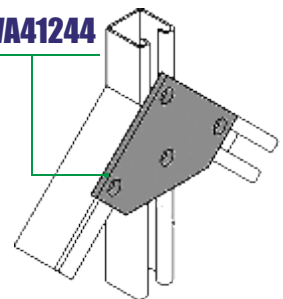
**CVA41242**



**CVA41243**

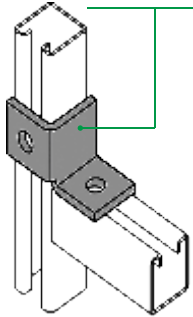


**CVA41244**

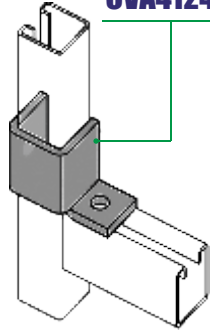




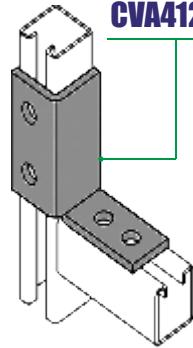
**CVA41245**



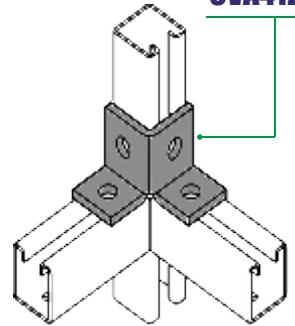
**CVA41246**



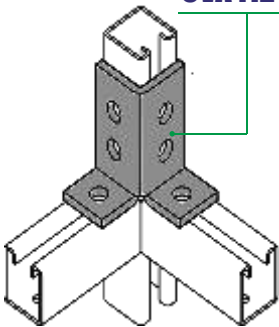
**CVA41247**



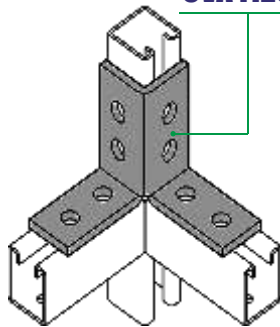
**CVA41248**



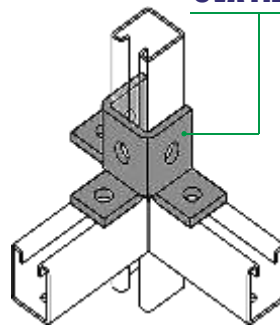
**CVA41249**



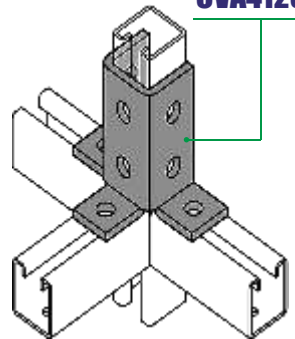
**CVA41250**



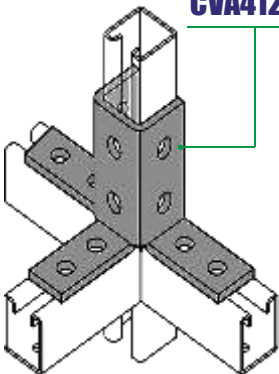
**CVA41251**



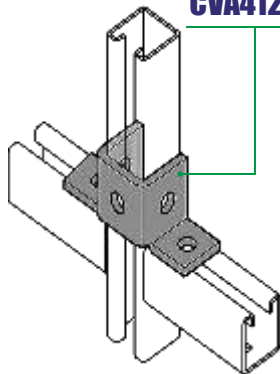
**CVA41252**



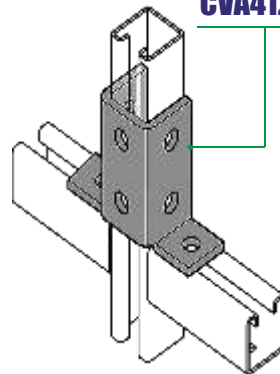
**CVA41253**



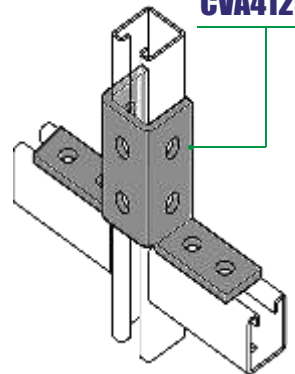
**CVA41254**



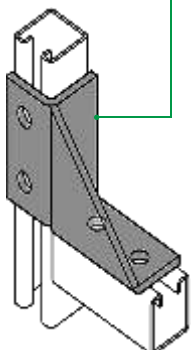
**CVA41255**



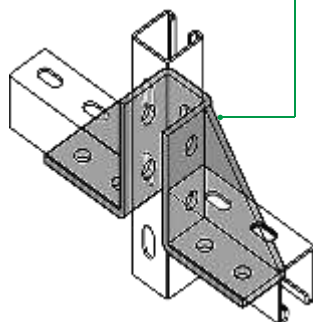
**CVA41256**



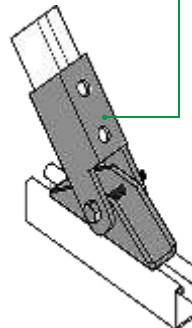
**CVA41257**



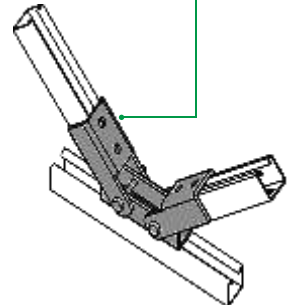
**CVA41258**

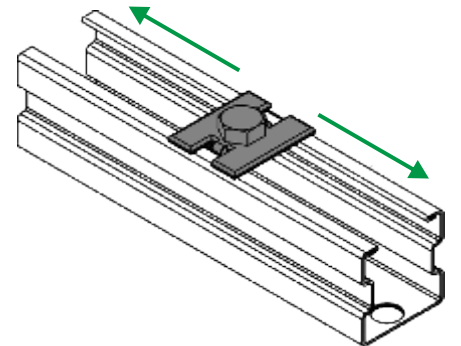
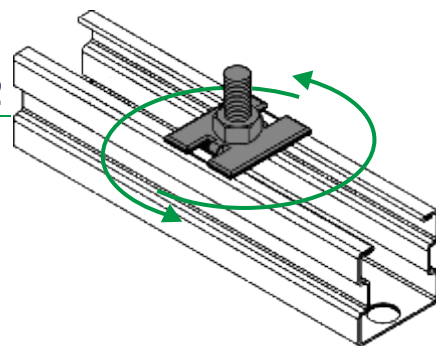
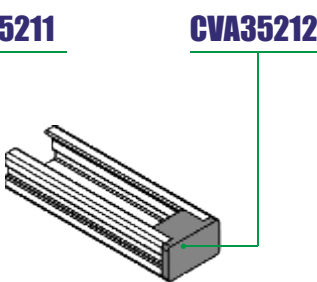
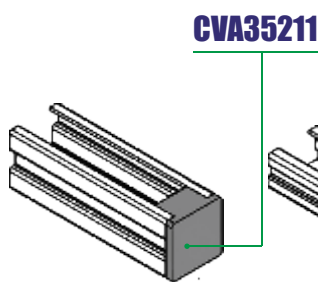
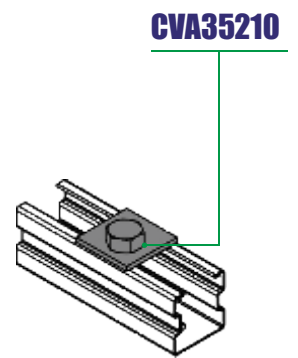
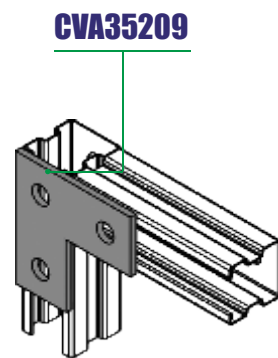
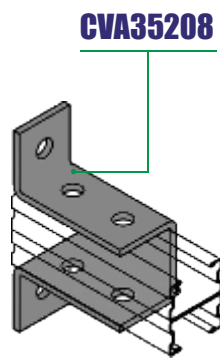
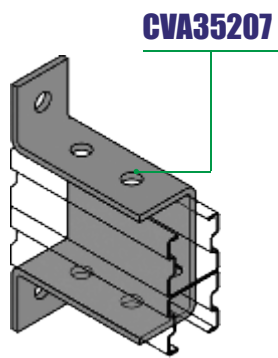
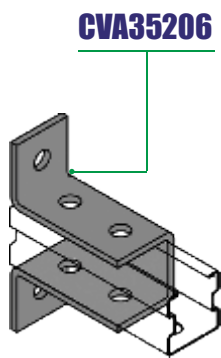
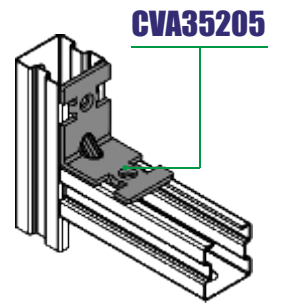
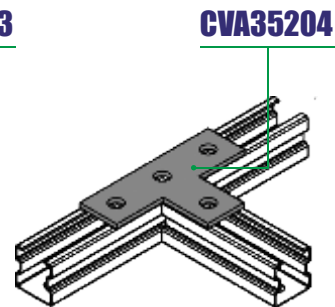
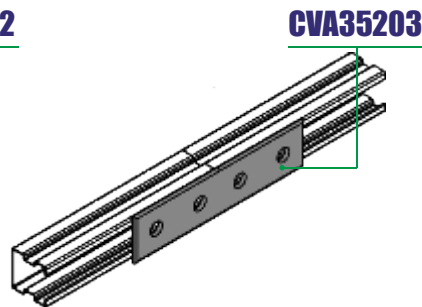
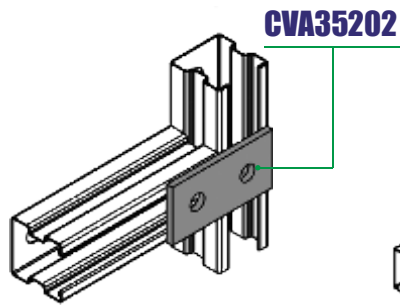
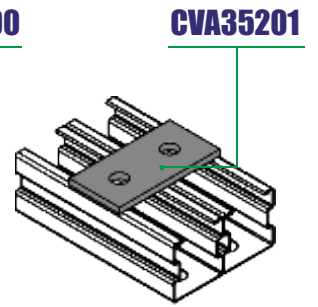
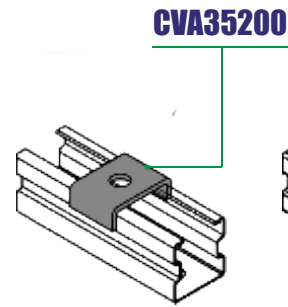
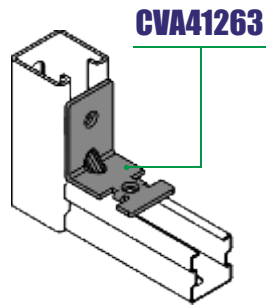
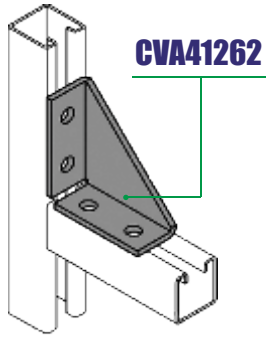
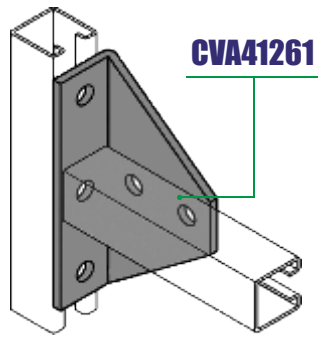


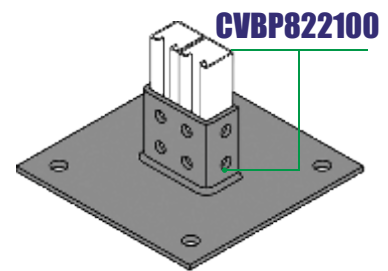
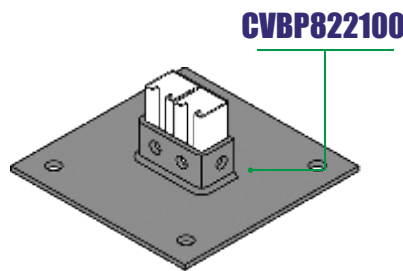
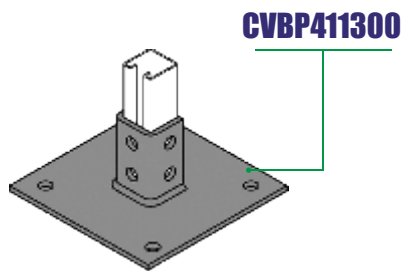
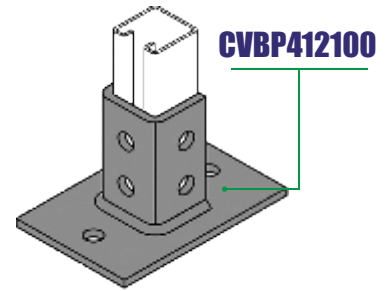
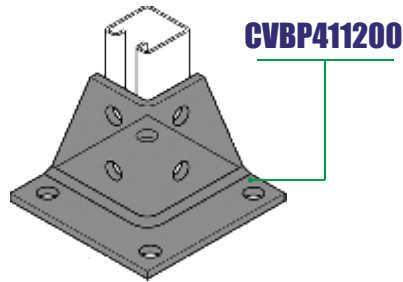
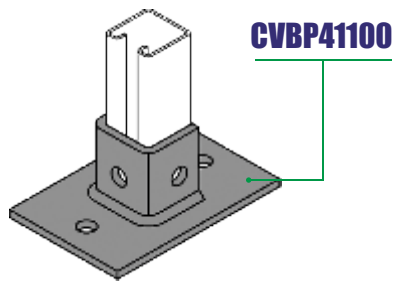
**CVA41259**



**CVA41260**







**Side Beam Angle Clip**

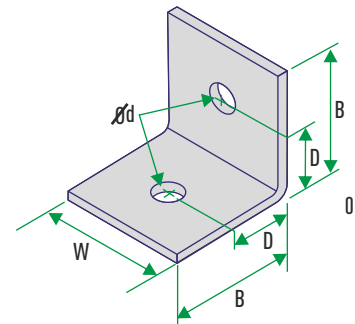
**Material:**  
Steel

**Standard Finish :**  
Electro Plated Zinc or Hot-Dip Galvanized

**Service :**  
Designed for attaching a hanger rod to the side of beams or walls.

**CA90**  
Dimensions

CODE:	Ød mm	B mm	D mm	W mm	Design Load kN
CA9031	11	31	31	16	0.80
CA9041	11	41	41	21	1.00



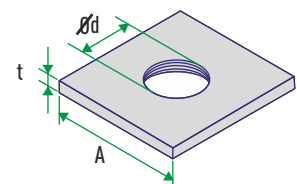
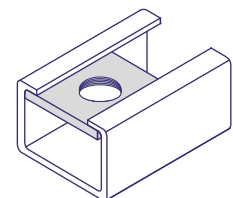
**Square Steel Washer**

**Material:**  
Steel

**Standard Finish:**  
Electro Plated Zinc or Hot-Dip Galvanized

**SW**  
Dimensions

CODE:	A mm	t mm	R mm
SW4141	40	3	M.10



**PROFILE G Channel Nuts**

**Side Beam Angle Clip**

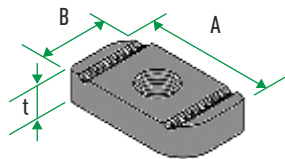
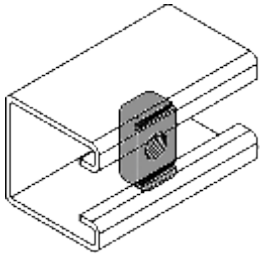
**Material:** Steel

**Standard Finish :** Electro Plated Zinc or Hot-Dip Galvanized

**Service :**

Applicable to all PROLINK G series with its special design by 'LOCATE, ROTATE, TIGHTEN' method

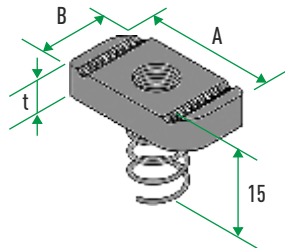
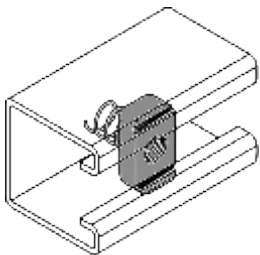
**CHANNEL NUT**



**Dimensions**

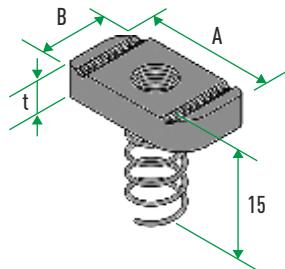
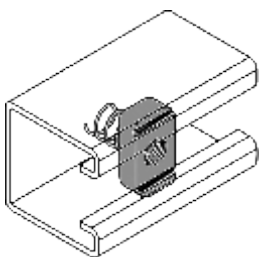
CODE:	∅ mm	A x B x t mm	Pie./ Box	Kg / Box
PGN	M.10	34x19x8	700	22.5

**CHANNEL WITH SHORT SPRING**



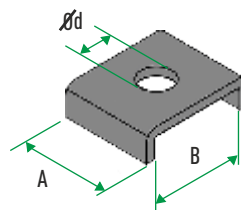
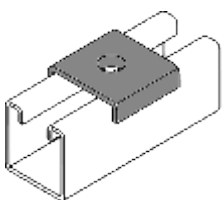
CODE:	∅ mm	A x B x t mm	Pie./ Box	Kg / Box
PGN.15	M.10	34x19x8	400	13.7

**CHANNEL WITH LONG SPRING**



CODE:	∅ mm	A x B x t mm	Pie./ Box	Kg / Box
PGN.50	M.10	34x19x8	200	7.4

**SUPPORT WASHER**



CODE:	∅ mm	A x B mm	Pie./ Box	Kg / Box
pgw.41	M.13	45x45	200	17.4

## Hanging Rods

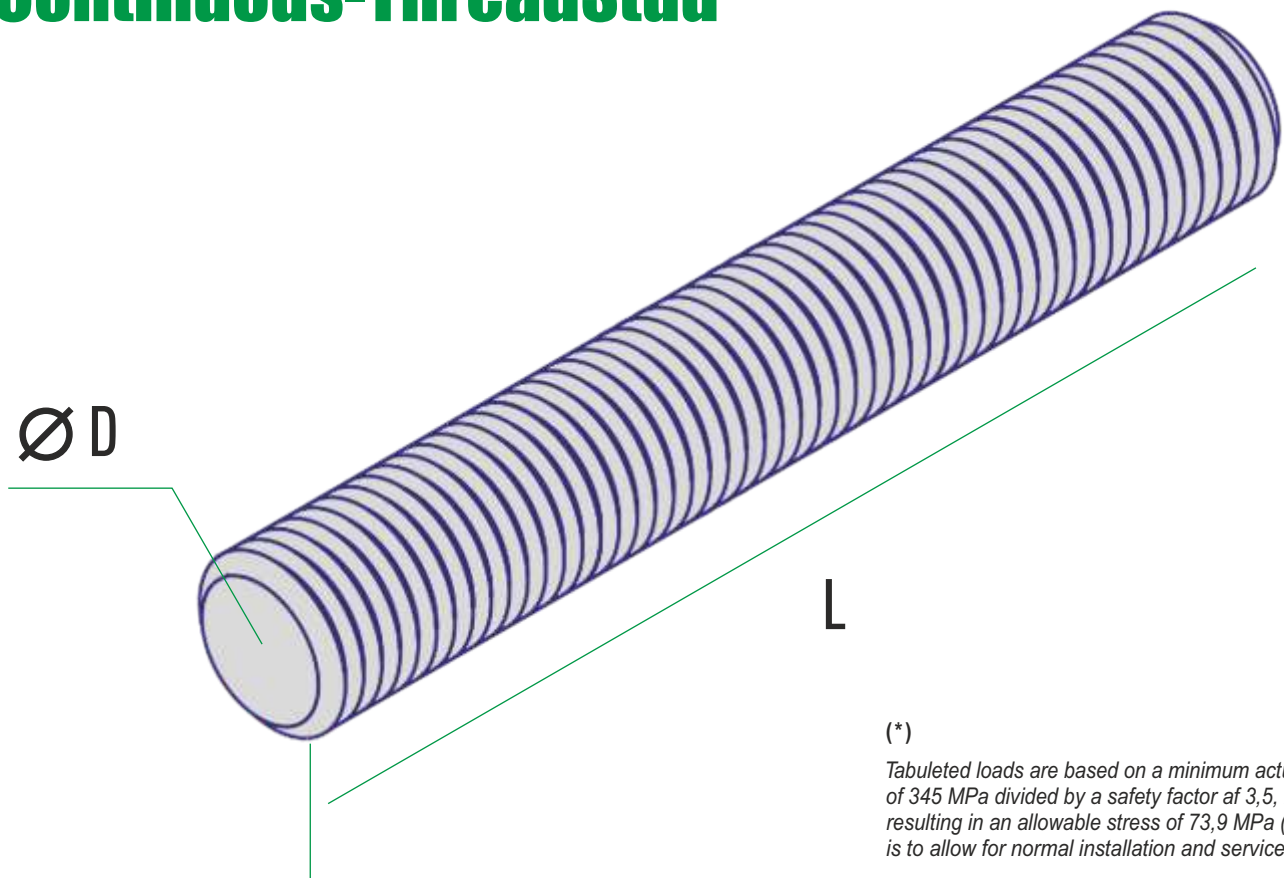
**Material:**  
Steel

**Standard Finish :**  
Electro Plated Zinc or Hot-Dip Galvanized

### CR Dimensions

CODE:	Rod Size D xL mm	Package Quantity	Package Weight Kg	Design Load 343 c kN
HR.081000	M.8 x 1000	25	8.68	2.50
HR.082000	M.8 x 2000	25	17.35	2.50
HR.083000	M.8 x 3000	25	26	2.50
HR.101000	M.10 x 1000	25	13.90	3.66
HR.102000	M.10 x 2000	25	27.80	3.66
HR.103000	M.10 x 3000	25	41.7	3.66
HR.121000	M.12 x 1000	25	20	5.35
HR.122000	M.12 x 2000	25	40	5.35
HR.123000	M.12 x 3000	25	60	5.35

## Continuous-Thread Stud



(\*)

Tabulated loads are based on a minimum actual tensile strength of 345 MPa divided by a safety factor of 3,5, reduced by 25% resulting in an allowable stress of 73,9 MPa (The 25% reduction is to allow for normal installation and service conditions.)

## ADJUSTABLE PIPE CLAMP

This clamp is suitable for pipes under the ceiling and risers. Installation heighting in this type is adjustable.  
Produced from size 1" - 12"

## 2 LEGS CLAMP

This clamp features a galvanized steel body with polyethylene base. This clamp is used to install pipes on the wall and ceiling.  
Produced from size 2" - 12"

## RUBBER LINED PIPE CLAMP WITH SINGLE LOCKING SCREW

This clamp is suitable for pipes under the ceiling and risers. This clamp features a galvanized steel body combined with a rubber lined nut.  
Produced from size 1/2" - 1"

## RUBBER LINED PIPE CLAMP WITH DOUBLE LOCKING SCREW

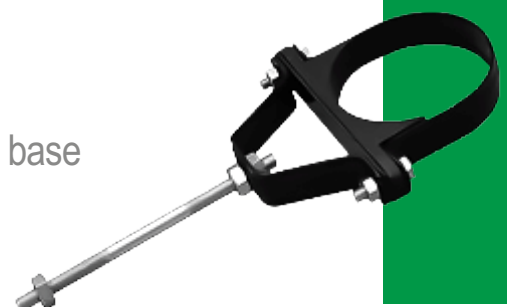
This clamp is suitable for pipes under the ceiling and risers. This clamp features a galvanized steel body combined with a rubber lined nut.  
Produced from size 1/2" - 12"

## SPRINKLER PIPE CLAMP

This clamp is special for installation of fire pipes and for use in fire lighting and fire extinguishing systems.  
Produced from size 1" - 12"

## ADJUSTABLE CLAMP

This clamp features a galvanized steel body with polyethylene base. This clamp is used to install pipes on the wall and ceiling.  
Produced from size 2" - 12"







# ***ELASTOMERIC INSULATION***



- Wide range of production.
- The most appropriate size for channel insulation; 100cm and 120cm wide sheets, production in 7 different thickness range.
- Helps to absorb vibrations that occur in the channel through its elastic structure.
- Reduces the use of duct tape at round and square-section channels and reduce scrap rates.
- **Clintveneta** contact adhesive; helps to get results efficiently in the channel assembly.
- Reduces the scrap rate to 2-3%.
- Operating temperature is between -60 / +105 °C.
- Has a density of 50-65 kg/m<sup>3</sup>.
- Since thermal conductivity coefficient of the elastomeric material is low it reduces the heat transfer significantly.

- ▶ Elastomeric rubber foams which have high thermal insulation value are resistant to water and steam as well as bear resistance characteristic against the UV (Ultraviolet) rays, harsh weather conditions and oils. Elastomeric Rubber Foam allowing the ease of installation and use with its high flexibility does not allow forming of fungus and mold on it.
- ▶ Heat permeability coefficient constitutes the most important insulation. Due to the stable air incarcerated in the closed cells of **Clintveneta** and low heat conductivity of the elastomeric material a significant reduction is provided in heat transfer. The surface temperature is reached to the ideal value by means of the low insulation value. (0,038)
- ▶ The material and cellular structure of the clintveneta which is manufactured in accordance with the suitable density (7500) and closed cell rate ensures long term insulation efficiency and resists to water vapor permeability.
- ▶ **Clintveneta** elastomeric rubber foam is resistant to fire. In case of fire it does not allow the flames to progress in the vertical and horizontal direction. By means of this feature it meets all the values prescribed for fire safety and it is an insulation material you can use in your buildings and installations confidently.
- ▶ In heating and cooling installations, ventilation systems, industrial processes, all construction and industrial applications elastomeric rubber foam sheet and pipe insulation are used.
- ▶ In heating and cooling installations, ventilation systems, industrial processes, all construction and industrial applications elastomeric rubber foam sheet and pipe insulation are used.
- ▶ **Clintveneta** elastomeric rubber foam insulations are rubber based and have closed porous smooth cell structure and are produced in the form of pipe and sheet.

Thickness	Sheet Width (1000 mm) m <sup>2</sup> / Roll	Sheet Width (1000 mm) m <sup>2</sup> / Roll
6 mm	30 m <sup>2</sup>	36 m <sup>2</sup>
9 mm	20 m <sup>2</sup>	24 m <sup>2</sup>
13 mm	14 m <sup>2</sup>	16.8 m <sup>2</sup>
19 mm	10 m <sup>2</sup>	12 m <sup>2</sup>
25 mm	8 m <sup>2</sup>	9.6 m <sup>2</sup>
32 mm	6 m <sup>2</sup>	7.2 m <sup>2</sup>
50 mm	4 m <sup>2</sup>	4.8 m <sup>2</sup>



**ALUMINUM FOIL AND SELF-ADHESIVE ELASTOMERIC RUBBER FOAM**

Due to the aluminum foil covered, high strength, reinforced, self-adhesive feature it saves time and labor. Its high quality aluminum and polyester laminated surface provides resistance against UV rays and external factors.

The most appropriate size for channel insulation; 100cm and 120cm wide sheets, production in 7 different thickness range.

Helps to absorb vibrations that occur in the channel through its elastic structure.

PA-Flex contact adhesive; helps to get results efficiently in the channel assembly.

Reduces the use of duct tape at round and square-section channels and reduce scrap rates.

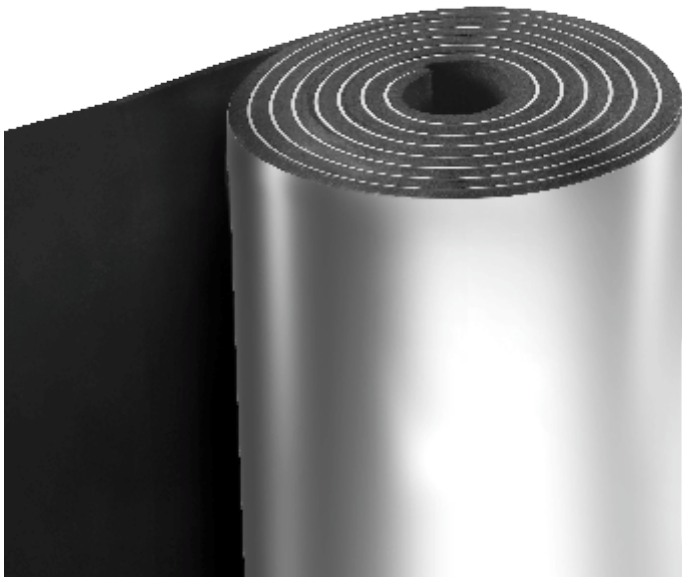
Reduces the scrap rate to 2-3%.

Due to its adhesive feature, it contributes to sealing and reduces the workmanship errors.

Operating temperature is between -40 / +120 °C

Has a density of 50-65 kg/m<sup>3</sup>.

Since thermal conductivity coefficient of the elastomeric material is low it reduces the heat transfer significantly. ( $\lambda < 0,034 \text{ W/mK}$ )



**ELASTOMERIC RUBBER FOAM INSULATION PIPES**

It is used in order to prevent the condensation caused by the influence of external conditions in the installation pipes in which fluids are used and to minimize heat losses. During the application, insulation inner surface and installation pipe should contact each other completely and the intervening space should not be allowed to occur. Because deformation in insulation would create a heat bridge during the application, the insulation must be made completely. Outdoor applications need to be covered immediately after the installation.

With a wide range of production PE-Flex pipe insulations in the of 6 / 9 / 13 / 19 / 25 / 32mm are produced in diameters from 6mm to 114mm.

Operating temperature is between -40 / +120 °C

It has a density 50 to 65 kg / m<sup>3</sup>



BS INCH	DN ØDN	METRIC mm
1/4"		15
1/2"	DN15	22
3/4"	DN20	28
1"	DN25	35
1 1/4"	DN32	42
1 1/2"	DN40	48
2"	DN50	60
2 1/2"	DN65	76
3"	DN80	89
4"	DN100	114
5"	DN125	140
6"	DN150	169
8"	DN200	219
10"	DN250	273

BS INCH	DN ØDN	METRIC mm
12"	DN300	323
14"	DN350	398
16"	DN400	406
18"	DN450	467
20"	DN500	508
24"	DN600	610
28"	DN700	761
32"	DN800	813
36"	DN900	914
40"	DN1000	1016
44"	DN1100	1116
48"	DN1200	1219
52"	DN1300	1331
56"	DN1400	1422

# CLINTVENETA PIPE INSULATION FOR BOX INSIDE

METRIC mm	COPPER INCH	STEEL INCH	THICKNESS / TOTAL PACKAGE					
			6mm	9mm	13mm	19mm	25mm	32mm
6	1/4"	-	502	306	214			
8	5/16"	-	442	308	194			
10	3/8"	1/8"	408	262	174	96		
12	1/2"	-	372	236	164	92		
15	5/8"	1/4"	270	196	138	80		
18	3/4"	3/8"	226	170	120	74	52	
22	7/8"	1/2"	186	138	100	66	44	
28	1 1/8"	3/4"	136	102	80	50	40	
35	1 3/8"	1"	102	80	60	38	26	24
42	1 5/8"	1 1/4"	92	66	50	34	24	18
48	-	1 1/2"		52	42	26	20	16
60	2 3/8"	2"		48	34	24	16	14
76	3"	2 1/2"		42	32	20	14	12
89	3 1/2"	3"		38	30	16	14	10
114	4 1/2"	4"		26	22	14	12	10



## CLINTVENETA CONTACT ADHESIVE

“High adhesion strength with CLINTVENETA contact adhesive”

It is used to paste elastomeric rubber foam insulation to Ventilation ducts and the pipe installations

It is designed as an alternative to CLINTVENETA contact adhesive and similar products

Drying time and reaction of the glue may vary in case of the weather changes in the construction site

The surfaces should be glued quickly after application

The maximum bonding strength is obtained when the operation is performed in an appropriate drying time as strength Products are in the packages of 15 kg - 2.7 kg - 1 kg



## CLINTVENETA REINFORCED RUBBER

Complete sealing and preventing the condensation in the flanges with **TAPES** the CLINTVENETA reinforced rubber tapes

PRODUCT	DIMENSION
5 cm	3mm x 50 mm x 15 mt
7.5 cm	3mm x 75 mm x 15 mt
10 cm	3mm x 100 mm x 15 mt



## CLINTVENETA ALUMINUM FOIL TAPE

Vapor-proof insulation applications with the CLINTVENETA aluminum foil tapes

PRODUCT	DIMENSION
FLAT	50 mm x 30 m
FLAT	75 mm x 30 m
FLAT	100 mm x 30 m
REINFORCED	50 mm x 30 m
REINFORCED	75 mm x 30 m
REINFORCED	100 mm x 30 m



## CLINTVENETA PVC TAPE

Economical with the CLINTVENETA PVC tapes

PRODUCT	DIMENSION
PVC	50 mm x 25 m





<b>PRODUCT TECHNICAL SPECIFICATIONS</b>	<b>PRODUCT NAME</b>	<b>CLINTVENETA ELASTOMERIC RUBBER SHEET AND PIPE INSULATION</b>		
	<b>MADE BY</b>	<b>CLINTVENETA</b>		
	<b>Date</b>	01/10.11.2022		
	<b>STANDARD</b>	EN 14304 Flexible elastomeric foam for thermal insulation products for thermal and industrial applications by fabrication!		
	<b>ADHESIVE EXPLANATION</b>	The adhesive to be used should be <b>CLINTVENETA</b> brand and 18 gr. -41 gr should be used in <b>CLINTVENETA</b> adhesive must be used in order to provide the following technical specifications		
	<b>DESCRIPTION</b>	Elastomeric Rubber Foam Insulation Material		
	<b>RULES FOR ENVIRONMENT /NATURE/ QUALITY</b>	Elastomeric rubber foam environmental waste management and 1G rules (See product catalogue)		
	<b>TECHNICAL SPECIFICATIONS</b>	<b>STANDARD</b>	<b>UNIT</b>	<b>VALUE</b>
	FIRE CLASS	TS EN 13501-1	PIPE - SHEET	Pipe:BL-s3-d0 Sheet :8-s3-d0 (BS476Class 0 DIN 4102-B1)
	THERMAL CONDUCTIVITY	TS EN 12667	10°C.....λ	λ ≤ 0,032 W/mK
		TS EN 12667	20°C.....λ	λ ≤ 0,033 W/mk
		TS EN 12667	30°C.....λ	λ ≤0,034 W/mk
		TS EN 12667	40°C.....λ	λ ≤ 0,035 W/mk
	WATER VAPOR DIFFUSION RESISTANCE	TS EN 12086	TS EN 13469	μ SHEET μ > 4246 (Declaration 4000) PIPE μ > 7777 (Declaration 7000)
DENSITY		TS EN 1602	kg / m3 42-55 kg / m3	
CHEMICAL RESISTANCE AGAINST OIL			GOOD	
FLEXIBILITY			VERY GOOD	
MOLD FORMATION				
USAGE TEMPERATURE			(-40°C) (120°C)	
PACKAGE		SHEET	NYLOB BAG	
		PIPE	CARTON BOX	
CLOSED CELL PERCENTAGE			> 90	
SMELL			INSIGNIFICANT	
OZONE RESISTANCE			.GOOD	







# TRANSPORTATION PLANNING INFORMATION

	LORY			TRAILER			40 HC Container		
APPROXIMATE VOLUME M <sup>3</sup> (CBM)	40M <sup>3</sup> to 50M <sup>3</sup>			90 M <sup>3</sup> to 105 M <sup>3</sup>			76 M <sup>3</sup>		
APPROXIMATE WEIGHT KG	1500 kg			3200 kg			2000 - 3000kg		
ROLL WIDTH	100 cm	120 cm	150 cm	100 cm	120 cm	150 cm	100 cm	120 cm	150 cm
SHEET BAG	200 ROLL 210 ROLL	160 ROLL 120 ROLL	100 ROLL 120 ROLL	350 ROLL 360 ROLL	300 ROLL 320 ROLL	220 ROLL 230 ROLL	270 ROLL 280 ROLL	230 ROLL 240 ROLL	170 ROLL 180 ROLL
PIPE / CARTON BOX	150 - BOX			270 - 280 BOX			235 - 245 BOX		

- The stated shipping values may vary depending on the size of the loaded vehicle.

RUBBER

FULL LAMINATED ALUMINUM AIR VENTILATION DUCTS

Fully laminated, one-piece flexible air ducts are intended for medium and low pressure heating, cooling, ventilating and exhaust gas transmission lines. It doesn't gather and dust because of the fully laminated inner core, insulation material and outer jacket and the structure of the insulation material.

- Reaction to the fire is flame retardant (CSTB - M1 certified).
- Airtight. It has high tensile and impact strength.
- It doesn't cause toxic gases during a fire.

TECHNICAL SPECIFICATIONS	
Material	2 Aluminum Layers
Insulation Material	Rubber
Temperature Range	from -30 °C to +150 °C
Fire Resistance	Flame Retardant (M1)
Air Velocity	Max. 30 m/sec
Operating Pressure	Max. 5.000 Pa
Diameter Range	Ø 85 mm - Ø 610 mm
Standard Length	6 m/box



COMBI

ALUMINUM / PVC FLEXIBLE AIR VENTILATION DUCT

The product intent to be used in heating, cooling ventilation systems, waste gas transmission lines is produced of high-tensiles teal wires. Its inner and outer surfaces are coated with aluminum and PVC film respectively. Intended for medium and low pressure environment.

- Airtight. It has high tensile and impact strength.
- Flame Retardant.
- It has been produced in accordance with ISO 9001-2008 & TS EN13180 standards.
- Does not cause poisonous gases release during fire.

TECHNICAL SPECIFICATIONS	
Material	Aluminum + PVC
Temperature Range	from -30 °C to +120 °C
Class	Flame Retardant
Air Velocity	Max. 30 m/sec
Operating Pressure	Max. 5.000 Pa
Diameter Range	Ø 52 mm - Ø 610 mm
Standard Length	10 m/box



IFD

WITH POLYESTER INSULATION

The flexible if channel consists of three main layers, the inner layer of which is a laminated aluminum foil, and the middle layer of compressed polyester foam as thermal insulation and the outer layer made of a thick pvc protective layer. Stands with a strong spring reinforce the structure of the flexible channel.

- Reaction to the fire is flame retardant.
- Airtight. It has high tensile and impact strength.
- It doesn't cause toxic gases during a fire.

TECHNICAL SPECIFICATIONS	
Material	Aluminum + Polyester + PVC
Insulation Material	Polyester
Temperature Range	from -30 °C to +100 °C
Fire Resistance	Flame Retardant
Air Velocity	Max. 30 m/sec
Operating Pressure	Max. 5.000 Pa
Diameter Range	Ø 85 mm - Ø 610 mm
Standard Length	6 m/box



ALUMINUM

ALUMINUM FLEXIBLE AIR VENTILATION DUCTS

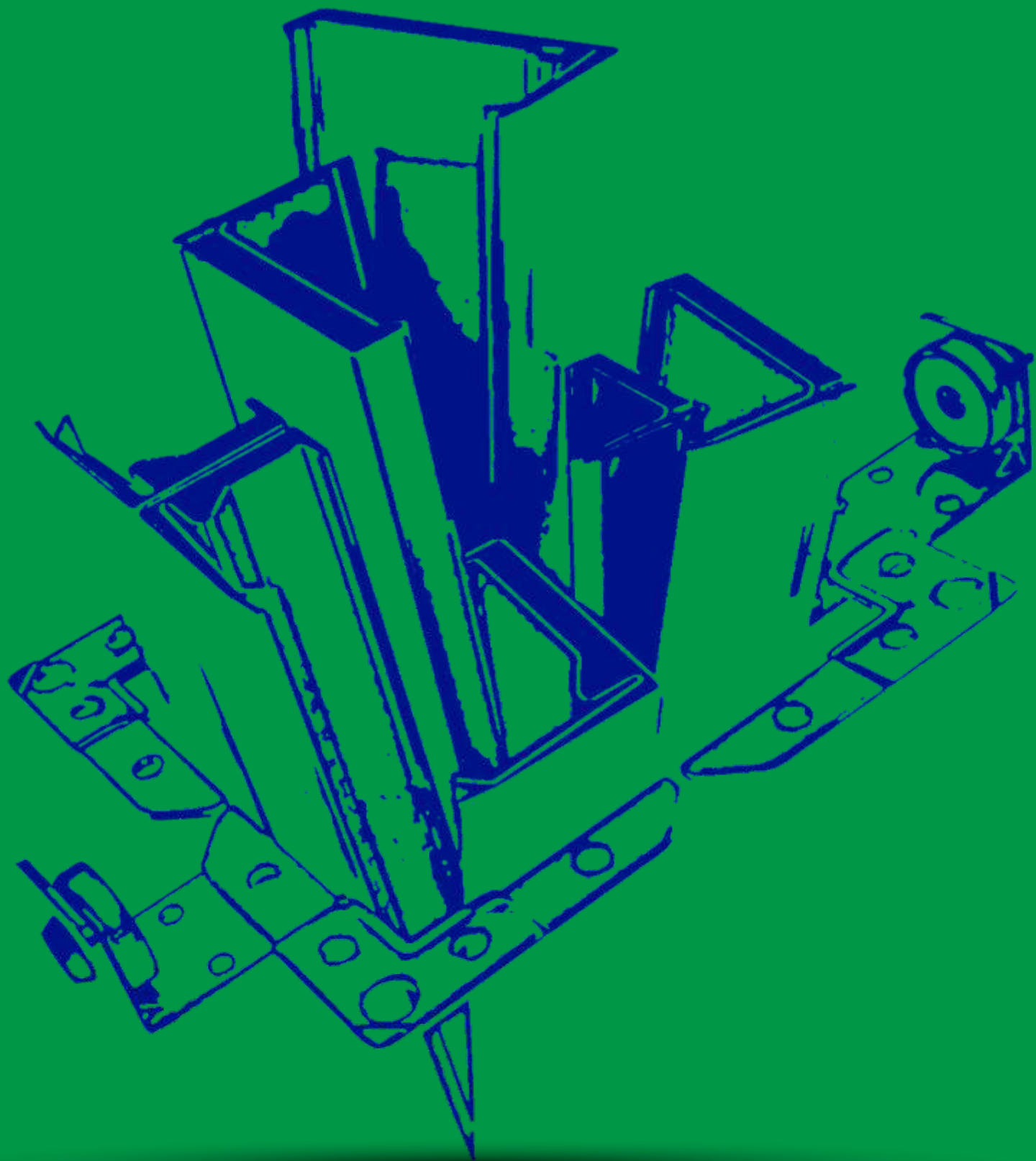
The product is intended to be used in heating, cooling, ventilation and waste gases transmission lines. Produced in accordance with ISO 9001 - 2008 Quality Management System. Complies with EN 13180 standards.

- It is fireproof and has CSTB MO fireproof certificate.
- Airtight. Resistant to tear and impact.
- Does not cause poisonous gases release during fire.

TECHNICAL SPECIFICATIONS	
Material	Aluminum + Metalized Opp + Polyester
Temperature Range	from -30 °C to +80 °C
Air Velocity	Max. 30 m/sec
Operating Pressure	Max. 5.000 Pa
Diameter Range	Ø 52 mm - Ø 610 mm
Standard Length	10 m/box







*CLINT* **VENETA**

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**CLINTVENETA**

**MODERN EQUIPMENT FOR AIR CONDITIONING DUCT INSTALLATION**

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