AMS
AIR MOVEMENT SUPPLIES

"Don't be afraid to give up the good to go for the great."

— John D. Rockefeller

DUCT ACCESSORIES

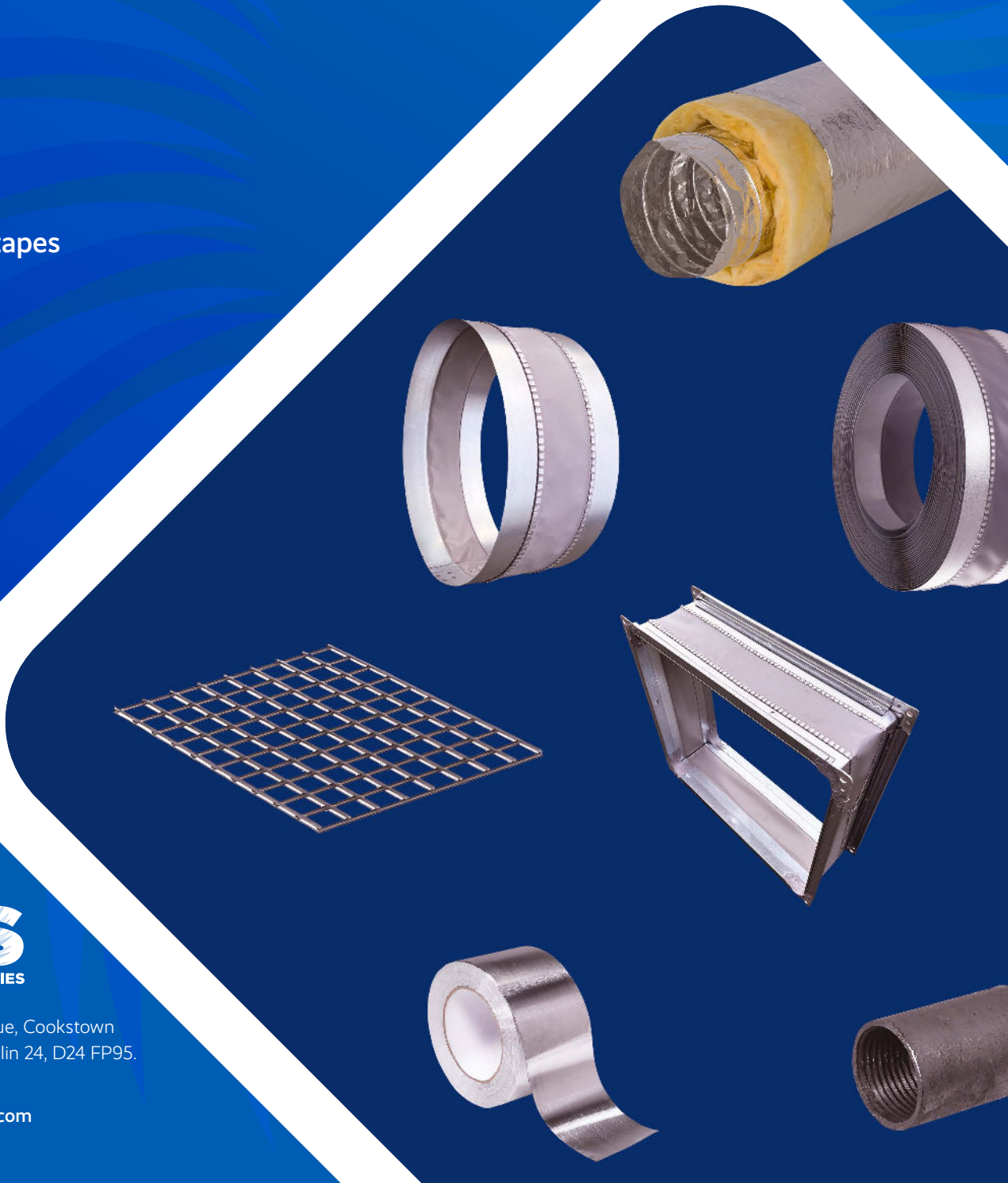
Ductwork flange system

Channel

Flexible duct

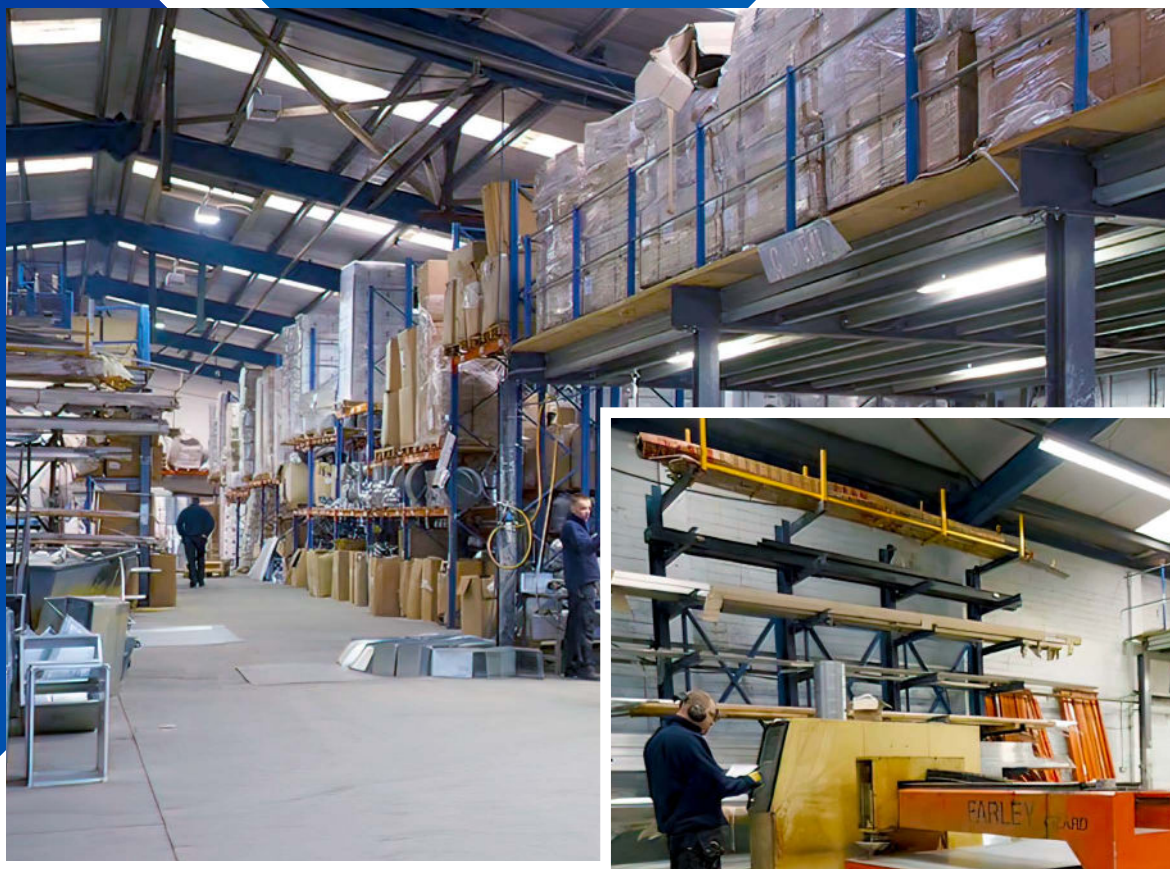
Sealants and tapes

Insulation



AMS
AIR MOVEMENT SUPPLIES

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www.amsventilation.com





AMS
AIR MOVEMENT SUPPLIES

Company profile - ISO 9001:2015

AMS Air Movement Supplies has served the Irish market under many names since 1998. We offer a complete package that is unrivalled as we are the only Irish manufacturer of grilles, dampers and fire rated ductwork. Our 40,000 sq. foot warehouse contains a vast array of diffusers, fans, flexibles and channels. Our turnaround times are renowned and we are acutely aware how much time costs to a delayed contractor.

We are **ISO 9001** certified and have completed an FPC *(Factory Production Control)* audit which is appraised annually and ensures the quality of all our products. Adherence to strict environmental protection policies and manufacturing methodology produces efficiency in materials that has made us one of the lowest producers of metal waste in Ireland.

Technical support and training

AMS Air Movement Supplies know the importance of getting a suitable fire system and have been involved with testing for over 15 years. We therefore provide a technical support service to all our clients and can provide a Continuing Professional Development (CPD) session on the latest EN regulations for your staff.

AIR MOVEMENT SUPPLIES

"Quality means doing it right when no one is looking."
— Henry Ford

DUCT ACCESSORIES

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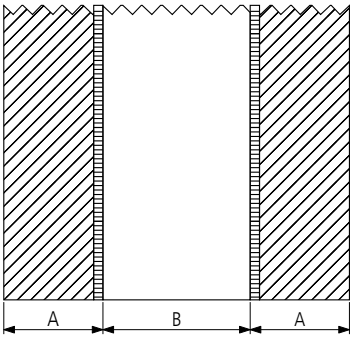
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Flexible Duct and Accessories

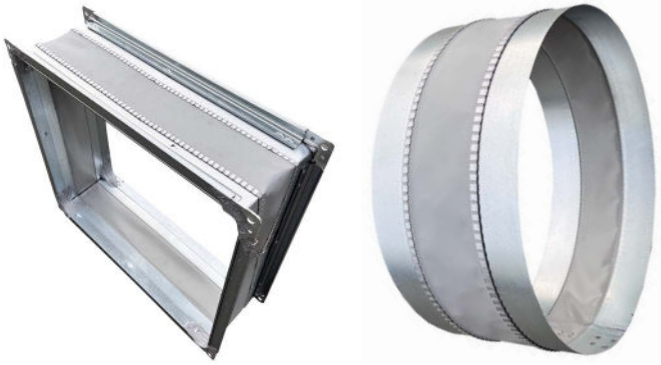
Canvas Connection

- Prevents transmission of vibrations and noise along the duct system and lateral movement for fire dampers.
- Airtight – Class A.
- Can be used in round, rectangular and oval duct systems.
- Easy to use and fabricate.



Product Code	AMT 45-60-45 (A x B x A)
Dimensions	45mm/60mm/45mm
Thickness	0.4mm, galvanised
Metal Width A	45mm
Fabric Width B	60mm
Length in Roll	25m





▲ *Made to measure for rectangle and circular fire dampers.*

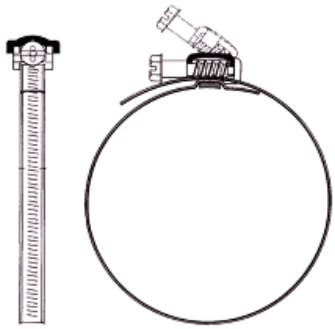
Stranglehold Banding

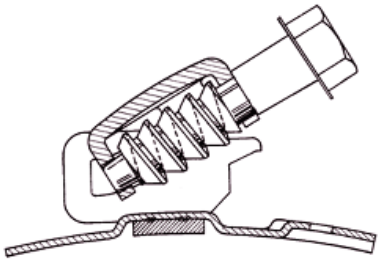
The CBR fastening band allows to create a custom-made fastening clamp. The band is supplied in a dispenser with markings for easy and efficient cuts at the appropriate length to achieve a desired diameter.

Material	Stainless Steel 430
Length	Roll of 30m
Width	9mm
Thickness	0.6mm









Combidec Laminated Ducting

COMBIDEC 2100 ducts are solid, very flexible, extremely strong laminate ducts for different ranges of application. The base of the COMBIDEC series is an aluminum laminate duct with an outer jacket of copolymer.

The ducts can be attached easily to round and oval connection parts without any problems. The fire resistance of the COMBIDEC ducts has been tested in several countries, according to current international standards. Because of the "sandwich construction", the different layers of polyester, aluminium and copolymer are overlapping each other completely. In case of fire, the system is able to function longer. The outer jacket is wear resistant and steam tight.

The advantages of a COMBIDEC duct towards PVC ducting:

- Higher temperature resistance.
- Less smoke development in the case of fire.

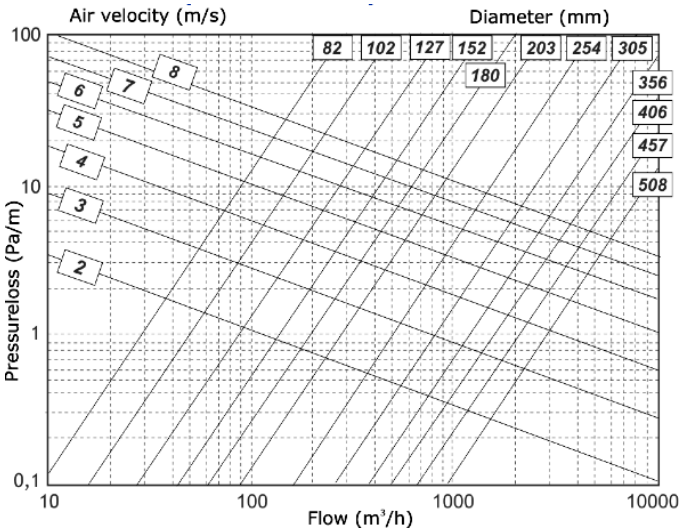
The advantages of a COMBIDEC duct towards aluminium laminated ducting:

- Higher tear resistance.
- Better mechanical protection against external influences.
- Better resistance under local pressure.
- Higher resistance against puncture.

Application

- Steam return lines.
- Application where good mechanical strength is required to use in devices for mechanical aeration.

Pressure Loss (Straight Duct)





Specifications

Article code	DC21G/B/W{Ø}
Temperature range	-30 ºC to 140 ºC
Operating pressure	up to +3000 Pa
Operating air velocity	max. 30 m/s
Bending radius	min. 0.58 x Ø
Standard diameter range	82 – 508 mm
Standard length	10 mtr

Construction

Total layers	6
– of aluminium	3 at 7 microns
– of polyester	2 at 12 microns
– of embossing	1 at 90 microns
Total thickness	135 microns (excl. adhesive)
Wire spacing	18mm
Appearance	Grey/Black/White

Classifications

UK	(BS476) Part 6, 7 and 20
NL	(NEN 6065/6066) Class 1 and 3

COMBIDEC fulfills all the requirements and is classified as specified within EN 13180: Ventilation for buildings – Ductwork - Dimensions and mechanical requirements for flexible ducts.

Standard finish is black.

Isodec Thermal Insulated Ducting

The ISODEC 25 series consists of an aluminium laminate inner duct, thermally insulated with a glass wool layer and provided with an aluminium laminated outer jacket. The thermal insulation is suitable for preventing condensation and minimizing temperature loss.



Application

- Steam return lines.
- Insulation in ventilation and air supply systems.
- Air conditioning systems.
- Thermic insulation in order to prevent heat loss or loss of cold.
- Prevention of condensation in ventilation systems.

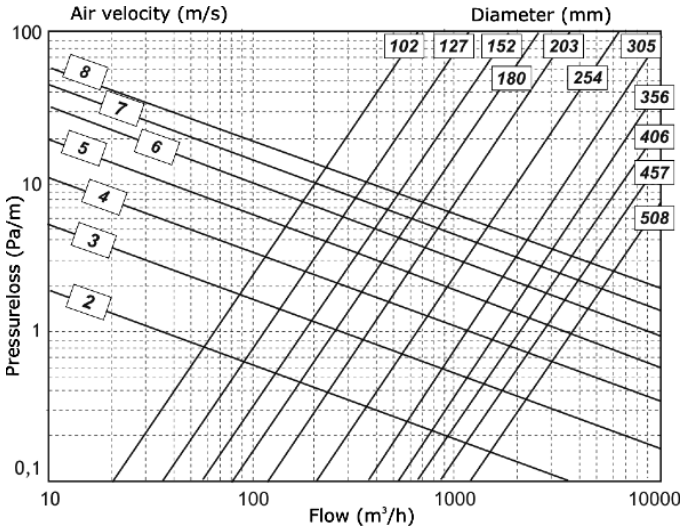
Specification

Article code	DI{Ø}
Temperature range	-30 ºC to 140 ºC
Operating pressure	up to +2500 Pa
Operating air velocity	max. 30 m/s
Bending radius	min. 0.54 x Ø + 25mm
Standard diameter range	82 – 508 mm
Standard length	10 mtr

Construction

Inner duct	Alu/poly laminate
Glass wool blanket	25mm, 16kg/m³
Outer jacket	Alu/poly laminate
R-value glass wool	0.65 m² K/W (ASTM C177-76)
Appearance	Aluminium

Pressure Loss (Straight Duct)



Classifications

UK	(BS476) Part 6, 7 and 20
EU	(EN 13501-1) B-s1,d0
NL	(NEN 6065/6066) Class 1
FR	(NF) M1
Marine	Certified MED

ISODEC 25 fulfills all the requirements and is classified as specified within EN 13180: Ventilation for buildings – Ductwork - Dimensions and mechanical requirements for flexible ducts.

ISODEC 25 is also available, on request, with a 50 mm glass wool layer, the article number is: DI50{Ø} R-value glass wool: 1.3 (50 mm) m² K/W (ASTM C177-76).

Flange and accessories

DW20

Galvanised knock on flange, 0.8 mm thick with associated corners, and clamps. Rating: J2.

DW30

Galvanised knock on flange, 1.0 mm thick with associated corners, and clamps. Rating: J3.

DW40

Galvanised knock on flange, 1.0 mm thick with associated corners, and clamps. Rating: J4.

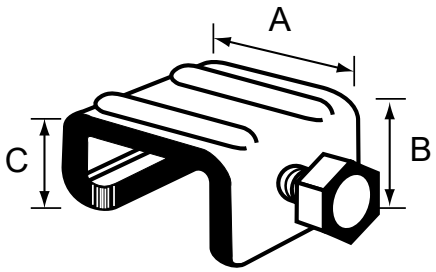
All of the above are tested under BSRIA to meet DW144 classes A, B and C. Test report reference number is 18290/1 and is available on request. All provided in 5m lengths, each profile is filled with mastic to provide an air tight seal with sheet metal.



Ventilation Duct Clamp

Duct clip for joining DW 20, DW 30 and DW 40 duct profiles and other systems.

Height A	32mm
Depth B	19mm
Height C	13mm
Fixing	M8 x 25mm screw
Thickness	2.5mm and 3.0mm
Material	Galvanised steel
	2.5mm stainless steel
Package	300pcs



Anchors

Mechanical anchor, with female thread, for expansion by impact.

Official documentation

- CE-1219-CPR-0078.
- CE-1219-CPR-0079.
- ETA 14/0135 option 7.
- ETA 14/0068 for multiple use for non-structural applications in concrete.
- Declaration of performance DoP HEHO.

Sizes

M6x25 to M16x65.



Design load range

From 3,5 to 12,6 kN (non-cracked).

Base material

Concrete class C20/25 to C50/60 non-cracked (Structural).

Concrete class C12/15 to C50/60 (Non-structural).

Assessments

- Option 7 (non-cracked concrete).

Anchors (contd.)

Materials

Sleeve: carbon steel, zinc-plated ≥ 5 µm.

Cone: carbon steel, zinc-plated ≥ 5 µm.

Characteristics and benefits

- Easy installation
- Working by deformation.
- Use in non-craked concrete.
- Use for medium-heavy duty loads.
- Pre-installation of the fixture.
- For static and quasi-static loads.
- Can be uninstalled leaving the surface clear (leaves the exansion item and the cone inside the drill hole).
- Screw isn't supllied.
- Available in INDEXcal.

Applications

- Fixings in suspended ceilings, sprinkler and ventilation systems.
- Structural fixings, fittings in interiors and/or exteriors.
- Fixings of threaded rods.

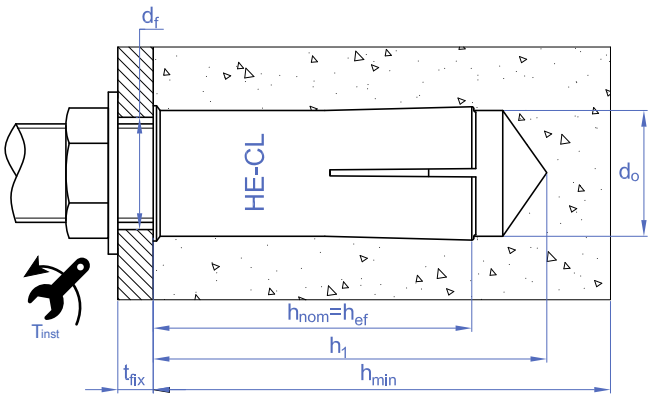
Structural application

Mechanical properties

Metric			**M6**	**M8**	**M10**	**M12**	**M16**
A_S	Threaded area section	(mm^2)	20.1	36.6	58	84.3	157
Steel grade of the screw			**4.6**	**4.8**	**5.6**	**5.8**	**6.8**
f_{uk}	Screw characteristic resistance	(N/mm^2)	400	400	500	500	600

Installation data

Metric			**M6**	**M8**	**M10**	**M12**	**M16**
Code			HECLOM06	HECLOM08	HECLOM10	HECLOM12	HECLOM16
D_0	Nominal diameter of drill bit	(mm)	8	10	12	15	20
T_{ins}	Installation torque moment	(Nm)	4	11	17	38	60
$D_f \leq$	Diameter of clearance hole in the fixture	(mm)	7	9	12	14	18
h_1	Hole drill depth	(mm)	27	33	43	54	70
h_{norm}	Installation depth	(mm)	25	30	40	50	65
h_{ef}	Effective embedment depth	(mm)	25	30	40	50	65
h_{min}	Minimum base material thickness	(mm)	100	100	100	100	130
$S_{cr,N}$	Critical spacing	(mm)	75	90	120	150	195
$C_{cr,N}$	Critical edge distance	(mm)	38	45	60	75	98
$S_{cr,sp}$	Critical distance (splitting)	(mm)	50	60	80	100	130
$C_{cr,sp}$	Critical edge distance (splitting)	(mm)	75	90	120	150	195
S_{min}	Minimum spacing	(mm)	60	60	80	100	130
C_{min}	Minimum edge distance	(mm)	105	105	140	175	230



Conduit

Galvanised heavy guage welded steel conduit. Threaded at both ends and supplied with one coupling per 3.75m length with the choice of 20mm or 25mm sizes. A wide selection of fittings and accessories are available to assist in the most demanding and effortless installations.

Available in Class 3 and Class 4. Comforms to BS 4568.



Dimensions
20mm × 3m
20mm × 3.75m
25mm × 3m
25mm × 3.75m
Available from stock

Class 3
Pre-galvanised sheet steel.

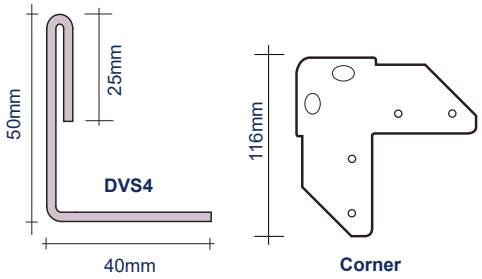
Class 4
Hot dipped galvanised inside and outside.

Stiffener

The 'S' Type Stiffener when fitted to the outside of ductwork and between the cross joints strengthens the ductwork and reduces vibration.

Unlike rolled steel angle, the Stiffener provides a simple and economical answer to ductwork stiffening - with no need for any secondary protection.

- No Secondary protection of the stiffener required.
- Capable of reaching S5 rating at medium pressure.
- Manufactured in-house to comply with Fig.26 of B&ES specification DW/144 2013.
- Pre-drilled fixing holes for easier fitting as standard.



Specification

Stiffener rating	S4	S5
Pressure (Pa) 500	DVS4	DVS4
Pressure (Pa) 1000	DVS4	DVS4
Pressure (Pa) 2000	DVS4	DVS4
Corner	S4C	S4C

Packaging

Gauge	2mm
Weight	1.758kg/m
Profiles	250m 5m
Corners	100/11.5kg

Stiffener Fixing Details

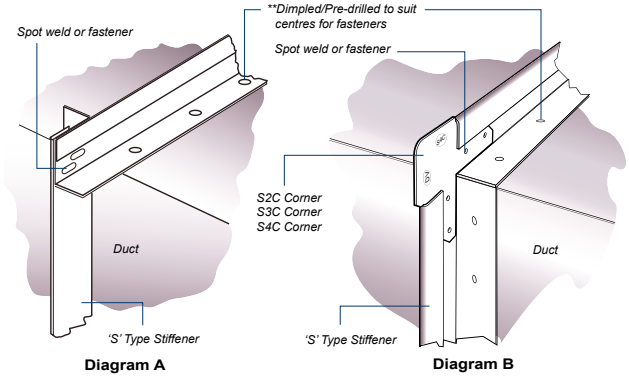


Diagram A

Selecting the most appropriate profile, cut the lengths based on the duct dimensions + twice the stiffener height. Position the length of stiffener at right angles to the duct, with equal overhang. Using the **Dimpled centres/Pre-drilled holes fix the profile to the duct with rivets or an alternative fixing method. Repeat the procedure on the opposite duct face using identical length stiffener. Position each of the remaining pieces back to back with the profiles already attached and then fix to the duct. In each frame corner spot weld or use another appropriate fastener to connect the four profiles together.

Diagram B

Cut the stiffener to external dimensions of the duct, then insert the corners to form three sides of the frame. Place around duct and insert the fourth side of the frame with the corners to complete the assembly. Using the Dimpled centres/Pre-drilled holes** fix the profile to the duct with rivets or an alternative fixing method.

** *Stiffener profiles can be supplied with either Dimpled fixing centres or Predrilled pilot holes to suit individual fixing requirements.*

Channel and Accessories

Strut Framing

Channel Sections

AMS Channel and brackets are manufactured to BS6946. All loading calculations are in accordance with BS5950. Standard Slot Sizes are 28 × 14mm @ 50mm Centres or 25 × 11 mm @ 50mm Centres. Standard Lengths are 3m and 6m, with cut lengths available on request.

The standard stock profile of the channel is:

PG: Pre-galvanised mild steel to BS EN 10326 .

GA: Hot dip galvanised after manufacture to BS EN ISO 1461.

Other finishes add the following:

SS: Stainless steel 316.

EC: Epoxy Painted Finish.

PO: Plain Oiled Self Colour.

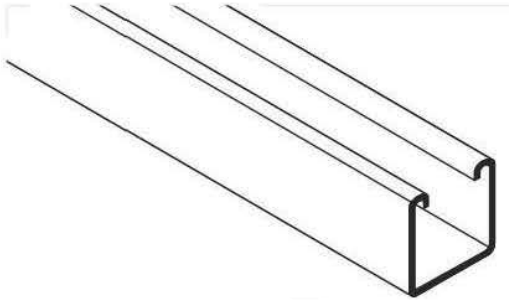


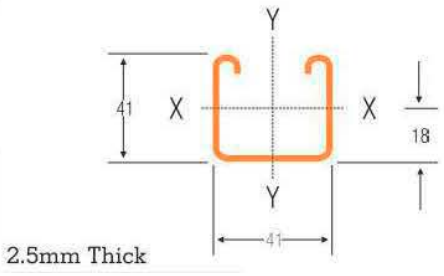


Mechanical Guide

Plain Channel 41P

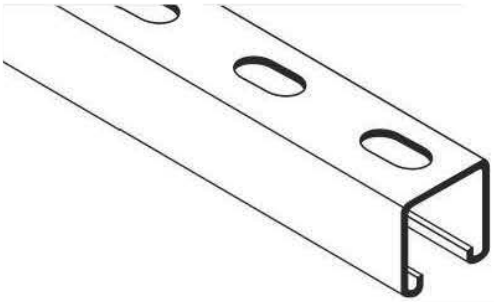
Channel sections are available in 2.5mm & 1.5mm thickness.

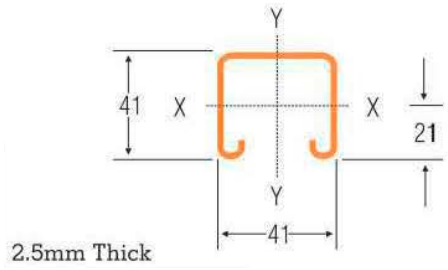




Span or Column Unsupported High in mm	Uniform Load at 175 N/mm2 Stress. Kg	Deflection in mm at 175N/mm2	Uniform Load at Max. Deflec. of 1/200th. Span. Kg	Uniform Load at Max. Deflec. of 1/360th. Span. Kg	Max. Load of Column Loaded @ Centeroid kg	Max. Load of Column Loaded @ slot face kg
C250	1769	0.23	-	-	5869	1693
500	884	0.95	-	-	5379	1650
750	589	2.15	-	571	4473	1554
1000	442	3.82	-	321	3373	1395
1250	353	5.97	-	205	2556	1232
1500	294	8.60	257	142	2020	1093
1750	252	11.70	188	104	1656	976
2000	221	15.29	155	80	1395	879
2250	196	19.35	114	63	1198	797
2500	176	23.89	92	51	1044	725
2750	160	28.91	76	42	(919)	(663)
3000	147	34.40	64	353	(816)	(607)

Slotted Channel 41S



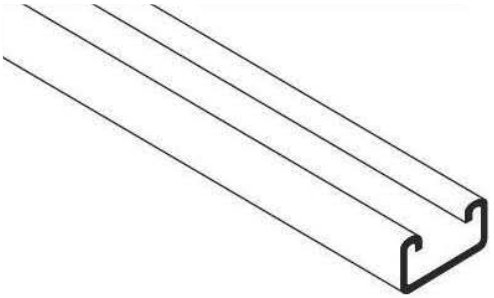


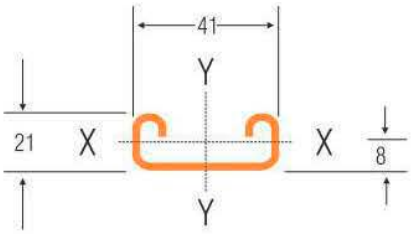
Span or Column Unsupported High in mm	Uniform Load at 175 N/mm2 Stress. Kg	Deflection in mm at 175N/mm2	Uniform Load at Max. Deflec. of 1/200th. Span. Kg	Uniform Load at Max. Deflec. of 1/360th. Span. Kg	Max. Load of Column Loaded @ Centeroid kg	Max. Load of Column Loaded @ slot face kg
250	1638	0.27	-	-	5351	1660
500	819	1.05	-	-	5100	1635
750	546	2.35	-	483	4412	1557
1000	409	4.18	-	271	3284	1389
1250	327	6.54	313	174	2436	1211
1500	273	2.41	217	120	1899	1062
1750	234	12.81	159	88	1546	941
2000	204	16.73	122	67	1297	843
2250	182	21.18	96	53	1113	761
2500	163	26.15	78	43	970	691
2750	148	31.64	64	35	(855)	(631)
3000	136	37.65	54	30	(761)	(578)

Series	Weight	Material Thickness	Standard Lengths		Finishes				Area of Section	Elements of Section Axis X-X			Elements of Section Axis Y-Y		
	kg/m	mm	3m	6m	PO	PG	GA	SS	cm²	1cm⁴	Zcm³	cm	1cm⁴	Zcm³	cm
41/P	2.88	2.5	●	●	●	●	●	●	3.35	7.21	3.10	1.46	9.23	4.47	1.66
41/S	2.73	2.5	●	●	●	●	●	●	3.00	6.10	2.87	1.42	1.42	4.44	1.74

Plain Channel 21P

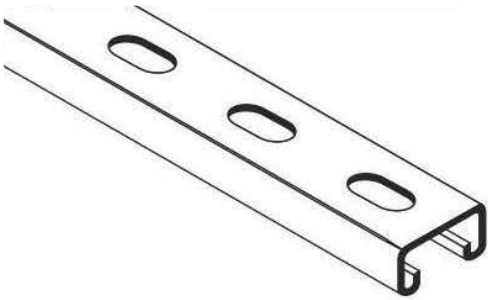
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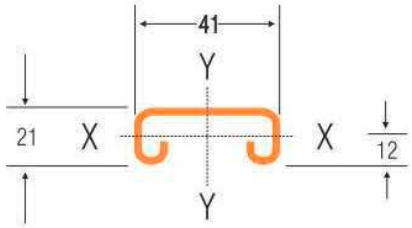




Span or Column Unsupported High in mm	Uniform Load at 175 N/mm2 Stress. Kg	Deflection in mm at 175N/mm2	Uniform Load at Max. Deflec. of 1/200th. Span. Kg	Uniform Load at Max. Deflec. of 1/360th. Span. Kg	Max. Load of Column Loaded @ Centeroid kg	Max. Load of Column Loaded @ slot face kg
250	553	0.45	-	-	3993	1042
500	276	1.81	-	212	3379	995
750	184	4.07	169	94	2198	859
1000	138	7.24	95	53	1353	690
1250	110	11.32	61	33	896	548
1500	92	16.30	42	23	(634)	(437)
1750	79	22.19	31	-	(471)	(353)
2000	69	28.99	23	-	-	-

Slotted Channel 21S



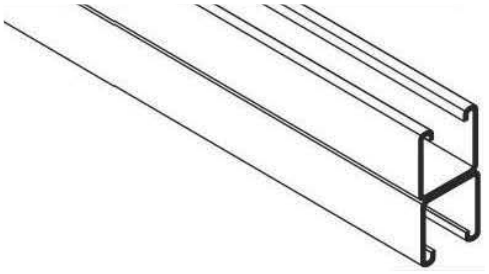


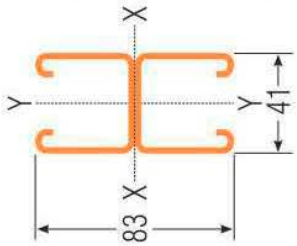
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250	508	0.50	-	-	-	-
500	254	2.01	-	174	-	-
750	169	4.54	139	77	-	-
1000	127	8.07	78	43	-	-
1250	101	12.61	50	27	-	-
1500	84	18.71	34	-	-	-
1750	72	24.73	25	-	-	-
2000	63	32.30	-	-	-	-

Series	Weight	Material Thickness	Standard Lengths		Finishes				Area of Section	Elements of Section Axis X-X			Elements of Section Axis Y-Y		
	kg/m	mm	3m	6m	PO	PG	GA	SS	cm²	1cm⁴	Zcm³	cm	1cm⁴	Zcm³	cm
21/P	1.91	2.5	●	●	●	●	●	●	2.32	1.19	0.97	0.71	5.34	2.59	1.51
21/S	1.76	2.5	●	●	●	●	●	●	1.97	0.98	0.89	0.70	5.29	2.56	1.63

Plain Channel BB41

Channel sections are available in 2.5mm & 1.5mm thickness.





Span or Column Unsupported High in mm	Uniform Load at 175 N/mm2 Stress. Kg	Deflection in mm at 175N/mm2	Uniform Load at Max. Deflec. of 1/200th. Span. Kg	Uniform Load at Max. Deflec. of 1/360th. Span. Kg	Max. Load of Column Loaded @ Centeroid kg	Max. Load of Column Loaded @ slot face kg
250	-	-	-	-	11952	2880
500	-	-	-	-	11682	2864
750	1670	1.21	-	-	11186	2833
1000	1253	2.15	-	-	10451	2783
1250	1002	3.36	-	-	9305	2695
1500	835	4.84	-	718	7790	2551
1750	716	6.59	-	527	6293	2367
2000	626	8.61	-	404	5068	2170
2250	556	10.89	-	319	4127	1977
2500	501	13.45	465	258	3410	1796
2750	455	16.27	384	213	2858	1630
3000	417	19.37	323	179	(2427)	(1480)

Cantilever Arms

There is a comprehensive range of cantilever arms available. Cantilever arms are mild steel hot dipper galvanised to BS EN 1461.

All cantilever arms have a 14mm fixing holes to suit M12, M10 or M8 bolts & nuts. They are manufactured from mild steel channel section, are hot dip galvanised. Nominal back-plate thickness is 6mm.

Technical and loading data is available upon request.

The standard stock profile is:

GA: Hot dip galvanised after manufacture to Bs EN ISO 1461.

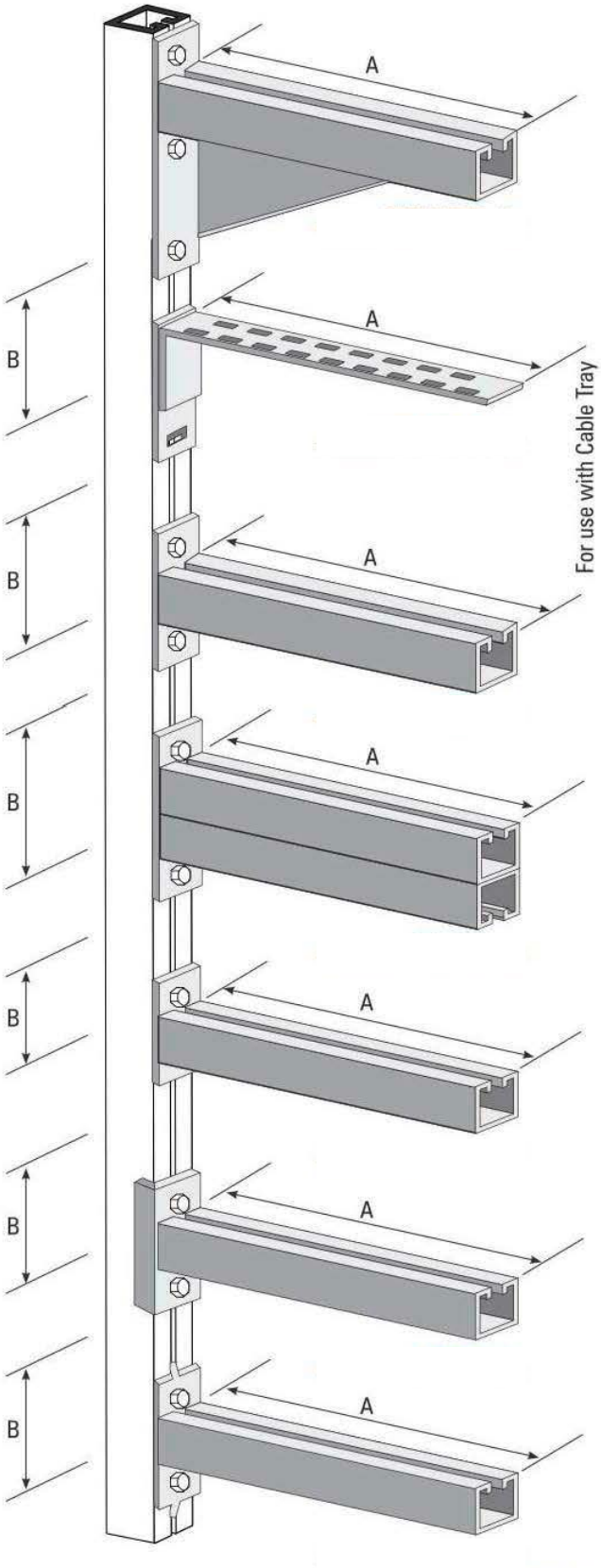
Other finishes add the following:

SS: Stainless steel 316.

EC: Epoxy painted finish.

PO: Plain oiled self colour.

Variable lengths available: 150, 300, 450, 600, 750, 800, 1000mm.



Channel Brackets

Our ranges of brackets are designed to compliment our range of support systems. offering flexibility and integrity.

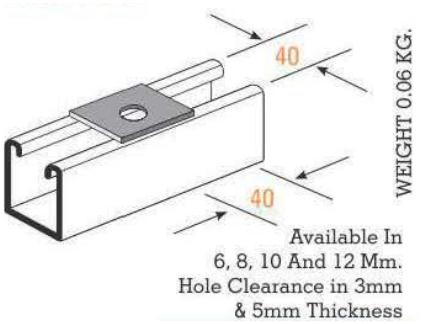
Brackets are manufactured to comply with BS6946. All our brackets are manufactured from 40mm × 5mm or 40mm × 6mm thick steel that complies with BS EN 1011, with a minimum yield stress of 170 N/mm2 l. All brackets are 40 mm wide and have 14 mm diameter holes to accept maximum Ml2 setscrews. All bend radii are 5 mm unless otherwise stated. Maximum loads for individual brackets are available upon request.

Bracket weights are indicated. All dimensions are in miliimeters. Channel nuts and setscrews are not supplied with brackets and must be ordered separately The standard finish for all brackets is hot dip galvanised to BS EN ISO 1461. Brackets are also available in Zinc Plated to BS EN 12329. Stainless steel 316 is also available upon request.

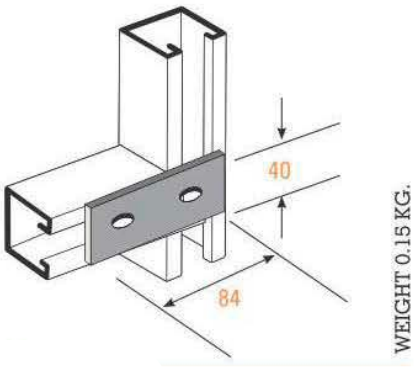
Channel Bracketry

External plate available in galv. & BZP.

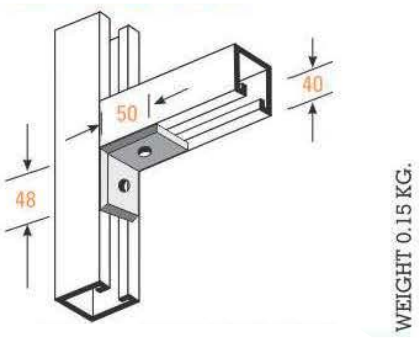
FB-100



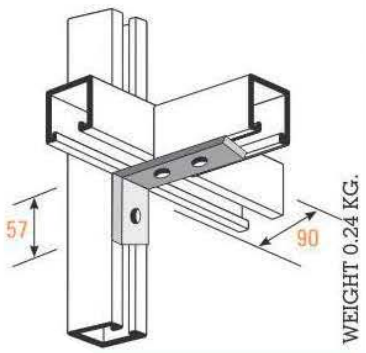
FB-101



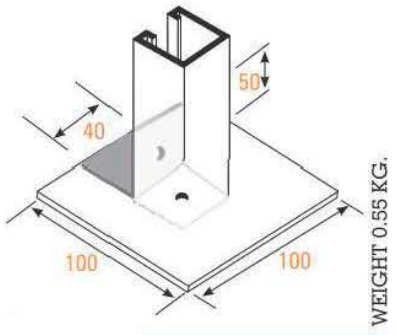
FB-111/A



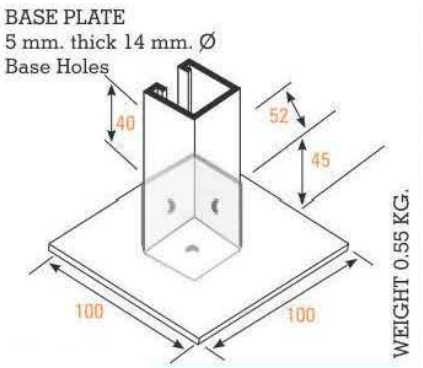
FB-113



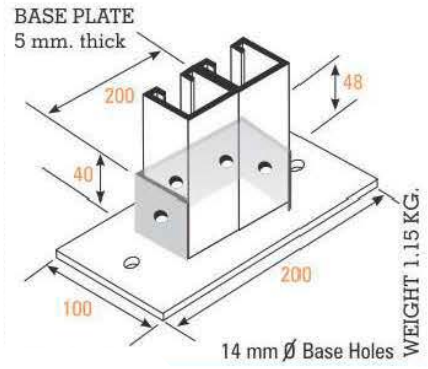
FB-105



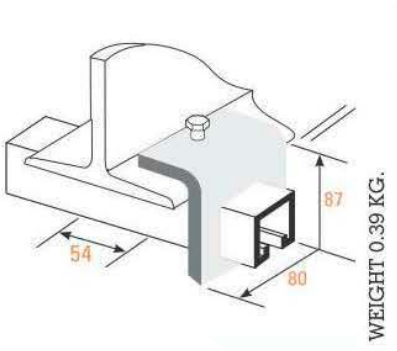
FB-106



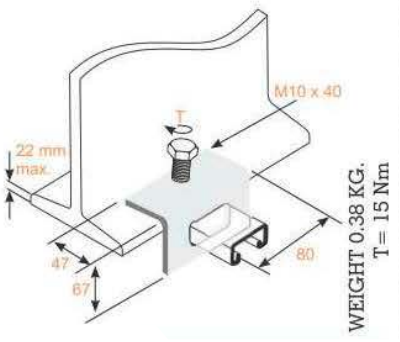
FB-107



BC-002=41



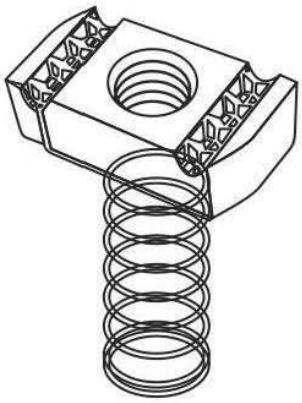
BC-002/A



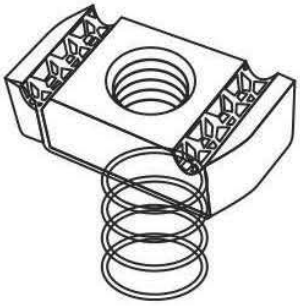
Plastic Integrated Channel Nut Assy.

Channel Nuts are self-centering and are manufactured from quality steel with zinc plated finish to BS 3382 Part 2. For best resulths use M12 size. Recommended tightened tension is 5-7Kgf.

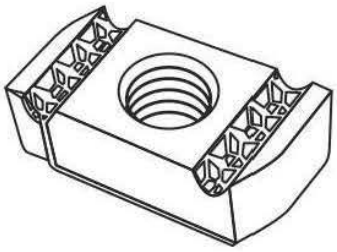
Long Spring



Short Spring



No Spring



For use in all channel sections and concrete inserts

Part No. Long Spring	Part No. Short Spring	Part No. No Spring	Thread size	Material Thickness
CNLM6	CNS6	CNP6	6mm	6mm
CNLM8	CNS8	CNP9	8mm	6mm
CNLM10	CNS10	CNP10	10mm	8mm
CNLM12	CNS12	CNP12	12mm	10mm

Sold in 100's

Threaded Rod

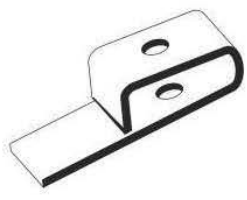
Available in BZP Zinc Plated grade 4.6 to specification DIN975. Supplied in 1, 2 & 3 metre lengths. Cut lengths available on request.

Special order: **GA:** Hot dip galvanised. **SS:** Stainless steel.

Bundle quantities	
M6	50 pcs.
M8	25 pcs.
M10	20 pcs.
M12	10 pcs.
M16	5 pcs.
M20	5 pcs.
M24	5 pcs.

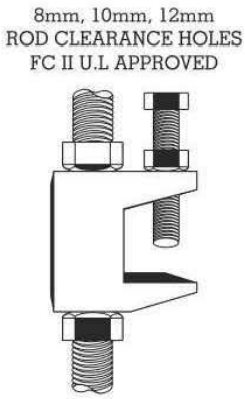


Purlin Clip (BZP)



PC11
Weight 0.080 Kg.

Flange Clamps



End Cap PVC

AVAILABLE IN BLACK & WHITE
SOLD IN 100'S



Studding Protection Caps

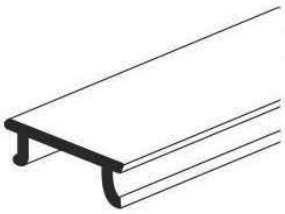
PLASTIC COVER CAPS FOR STUDDING, AVAILABLE IN BLACK OR WHITE.



SIZE : M8, M10. M12

PVC Lid

AVAILABLE IN BLACK & WHITE



Length : 3 Mtrs. 41mm Wide
PVC Strut Lid

Welded mesh

Low carbon mild steel to BS EN 10016-1. 1" x 1" welded mesh comes as standard in sheets of 2500x1250mm manufactured in 10 gauge (3mm).



Fasteners

Hex nuts



Steel nuts are universal construction and assembly fasteners also designed for fabrication and installation of ventilation components. Steel nuts can be used with steel washers and screws for bolting square duct flange frames at the corners.

- BZP finish
- M8 and M10
- Certification: BS 3382-Part 2

Hex screws



The steel screws can be used with steel washers and nuts for bolting rectangular ducts flange frames at the corners.

- BZP finish
- M8 and M10
- Certification: High Tensile 8.8 Grade

Washers

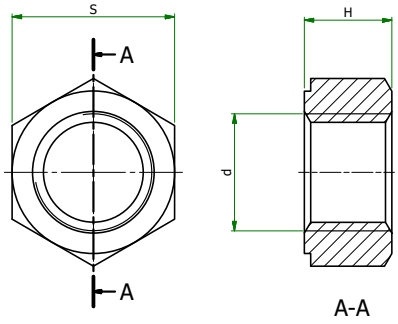




Steel washers are universal construction and assembly fasteners also designed for fabrication and installation of ventilation components.

- Available in M8 and M10.
- BZP finish.

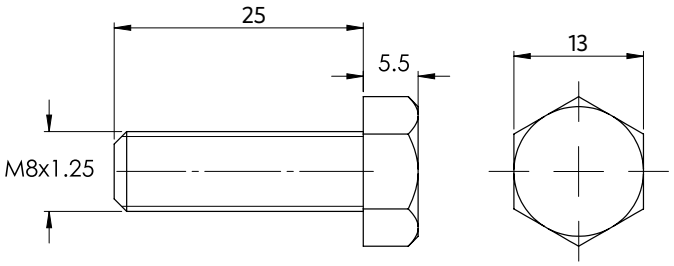
PVC Nuts



ITEM	d	H	S	Colour
0030050000VR	M8×1.25	6.5	13.0	20 pcs.

ALL DIMENSIONS IN mm				DO NOT SCALE
LINEAR TOLERANCE				THIRD ANGLE PROJECTION
SIZE	(0)	(0.0)	(0.00)	
0-10mm	±0.5	±0.15	±0.10	
10-30mm	±0.5	±0.20	±0.15	
30-50mm	±0.5	±0.30	±0.20	
50-100mm	±0.8	±0.50	±0.25	
100-200mm	±1.5	±0.80	±0.40	ANGULAR TOLERANCE ±0.5 DEGREES
200-300mm	±2.0	±1.20	±0.80	UNSPECIFIED RADII 0.25mm
300-500mm	±3.0	±2.00	±1.00	DRAFT ANGLE 0.5 DEGREES
+500mm	±5.0	±3.00	±1.50	
ORG.SCALE 4:1				
MATERIAL NYLON				

PVC Bolts



SIZE	(0)	(0.0)	(0.00)	
0-10mm	±0.5	±0.15	±0.10	
>10-30	±0.5	±0.20	±0.15	
>30-50	±0.5	±0.30	±0.20	
>50-100	±0.8	±0.50	±0.25	ANGULAR TOLERANCE ±0.5 DEGREES
>100-200	±1.5	±0.80	±0.40	UNSPECIFIED RADII 0.25mm
>200-300	±2.0	±1.20	±0.80	DRAFT ANGLE 0.5 DEGREES
>300-500	±3.0	±2.00	±1.00	DIMENSIONS IN BRACKETS [ ] ARE
>500	±5.0	±3.00	±1.50	IN INCHES FOR REFERENCE ONLY
ORG. SCALE: 2:1				CREATE DATE: 24/04/2019
MATERIAL: NYLON				
Part ID: 1071475				Project: P091125-3
TITLE:				

Self-drilling Screws



Self-drilling screws, often called self-tapping screws, have advantages over conventional screws in that they eliminate the need to drill a pilot hole before insertion. This can save both time and effort in many fastening applications, while delivering the same security and versatility of a conventional screw.

- Self-tapping screw with hexagonal head.
- Zinc-plated steel for corrosion protection in indoor applications.
- Flange head to distribute the load.
- To DIN 7504.

Sealants

Silicone

GS360 is a high performance, acetoxy, construction silicone with excellent adhesion, long-term flexibility and weatherproof performance. It also contains fungicide.

The use of GS360 in the correct application will give an airtight seal in conformity with the requirements laid down in Approved Document L of the Building Regulations.

Colour: White and translucent

Packaging: 310 ml cartridge (20 per carton)

Environmental Considerations: The use of GS360 in the correct application will give an airtight seal in conformity with the requirements laid down in Approved Document L of the Building Regulations for England and Wales.



Technical Information

Property	Test Method	Results
Composition		Acetoxy cure silicone sealant. White and translucent contain fungicide.
Specific Gravity		1.01
Consistency	ISO 7390, profile U20	non-sag
Shore A Hardness	ISO 868	18
Skin Forming Time	at 23°C, 50% RH	5-10 minutes
Tack Free Time		Approximately 30 minutes
Cure Rate	at 23°C, 50% RH	1-2 mm/day
Tensile Strength	ISO 8339	0.9 Mpa
Modulus at 100% Elongation	ISO 8339	0.38 Mpa
Elongation at Break	ISO 8339	200%
Movement Accommodation		±20%
Elastic Recovery	ISO 7389	95%
Application Temperature		+5°C to +40°C
Service Temperature Range		-40°C to +100°C
Storage		Store in dry conditions between +5°C and +25°C.
Shelf Life		18 months when stored as recommended in original unopened containers.

Application

1. Always carry out a test application prior to installation, to confirm compatibility and suitability for use.
2. Application should be in accordance with BS 8000:16 - "Code of practice for sealing joints in buildings using sealants".
3. Apply between +5°C and +40°C using a conventional skeleton gun or electric/power equipment.
4. All beads should be tooled after application to ensure firm, full contact with the joint faces.
5. Tooling should commence without delay due to the rapid skinning of the product.

Health and safety precautions

Safety data sheet must be read and understood before use.

Duct Sealant

LD410 Duct Sealant is a single-part gun grade duct sealant. The formulation is based on an emulsion acrylic polymer system, which gives a firm, but flexible seal in low movement joints.

LD410 has been designed for the permanent sealing of low movement assembly joints in low, medium and high pressure ductwork to prevent loss of air pressure. The product is capable of sealing to the air leakage requirements of Class C to DW144.

Colour: Grey

Packaging: 310 ml cartridge (25 per carton)



Technical Information

Property	Test Method	Results
Composition		Water-based acrylic
Specific Gravity		1.62 - 1.66
Shore A Hardness		30
Tack Free Time	at 23°C, 50% RH	15-60 mins
Movement Accommodation		±20%
Application Temperature		+5°C to +40°C
Service Temperature Range		-15°C to +75°C
Storage		Store in shaded dry conditions between +5°C and +25°C.
Shelf Life		12 months when stored as recommended in original unopened containers.

Application

The user is advised to conduct tests to determine the suitability of the product for the intended application prior to use.

Please Note

Not recommended for continuous contact with moisture, or external use where moisture is likely to be present prior to sealant cure. Do not use in contact with bituminous material. Do not expose to water until fully cured, or attempt to abrade when cured. Do not over paint until a surface skin has formed.

Health and safety precautions

Safety data sheet must be read and understood before use.

Tapes

Aluminium Foil Tape



A 30 micron aluminium foil tape with an aggressive solvent acrylic adhesive. It has an excellent peel adhesion as well as being water and fire resistant. Ideal for sealing joints/seams against moisture and vapor. Also suitable for holding, splicing or masking applications requiring protection offered by a foil backing. This product is tested to BS476 Part 6 & 7 Standards and meets Class 1 and Class 0 Fire Regulations or DIN 4102-1-B1.

Size: 75mm x 50m.

Quantity per box: 16.

Temperature range: -30°C to 120°C.

Black Gasket Tape (Polyethylene)



Single sided hot melt adhesive tape.Tested to BS 3924.

The GT-PE gasket foam tapes are designed to ensure air tightness between a wide variety of elements in duct work systems (between ducts, joining flange system, access doors,...). They consist of a high quality closed cell polyethylene foam coated on one side with adhesive.

Color: dark grey

Thickness: 6mm

Width: 15mm

Technical Specification: Base

Base	Closed-cell polyethylene foam
Adhesive	Synthetic rubber hot-melt
Release paper	Without fixed siliconized foil
Temperature range	-30°C to +80°C
Resistance to high humidity	Very good

Technical Specification: Foam

Density	ISO 845		~ 30kg/m³
Tensile Strength	ISO 1928	Lengthwise	325kPa
		Crosswise	220kPa
Elongation at break	ISO 1928	Lengthwise	125%
		Crosswise	115%
Compressive strength at 50% compression	ISO 844		98kPa
Compression set at 25%/22h @ 23°C	ISO 1856-B		20% (0.5h after discharge)
			12% (24h after discharge)
Water absorption (7 days)			< 1 Vol.-%

Insulation

Foilback insulation

Thermal insulation for metal ductwork. This strong, flexible and easy tohandle glass mineral wool roll incorporates a factory applied aluminium foil which provides an inherent vapour barrier.

Size: 1200mm × 18m × 15mm (21.6m²).

Temperature range: up to 15°C.

Thermal performance: ISOVER CLIMCOVER Roll Alu2 complies with the BS 5422:2009.

Fire performance: Euroclass A2 fire rating when classified with BS EN 13501-1. Class O compliance.

Standards: Complies with the BS 5422:2009.

Sustainability: Manufactured from up to 86% recycled glass that would otherwise go to landfill.

Certification: MED certified.

CE Marked: Certificate Number 1121-CPR-BA0158 to EN14303:2015.

Up to two credits are available in Mat 04 - Insulation within the BREEAM document for Embodied Energy and Responsible Sourcing.

CLIMCOVER Roll Alu2 corresponds to the BRE Global Green Guide online generic specification 'Glass wool insulation - density 32 kg/m' ref 815320003 which achieves a summary rating of A+ within Domestic, Health, Industrial, Commercial, Retail and Education.



V series acoustic foams

V series acoustic foams are a range of flexible open cell materials offering durability and excellent sound absorbing qualities, the 2 primary grades are the standard 'V' Grade.

- Good low frequency acoustic absorption.
- Good dampening characteristics.
- Can be supplied as a composite solution.
- Class '0' fire rated.
- 6mm available in 1,000mm × 30m rolls.
- 12, 25 and 50mm available in 2000 × 1000mm sheets.

Acoustic Performance: 'V' and 'VE' acoustic foam						
Thickness (mm)	Sound Absorption Coefficients					
	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz
6	0.05	0.05	0..10	0.20	0.25	0.30
12	0.05	0.15	0.20	0.35	0.40	0.45
25	0.10	0.20	0.35	0.55	0.65	0.70
50	0.25	0.45	0.70	0.85	0.85	1.00



AMS
AIR MOVEMENT SUPPLIES

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Tallaght, Dublin 24, D24 FP95, Ireland.

Ph: +353 1 463 4300

Email: info@airmovementsupplies.ie

www.amsventilation.com

"Don't be afraid to give up the good to go for the great."

— John D. Rockefeller

