

Ductwork Components

VerroMax Ductwork Jointing System

Slide on Flange Details & Specifications

- Provides for rapid assembly of cross joints, minimising fabrication time.
- Permanently flexible non-toxic sealant injected into the profile during manufacture, will not harden and crack post installation.
- Available in standard metric sizes of 20mm, 30mm and 40mm.
- Fully conforms to UK, HVCA specification DW144.
- Awarded Quality Assurance Certification BS EN ISO 9001.
- No need to switch flange regardless of joint rating and pressure class.
- Full range of accessories to suit all sizes of flange.
- Tested and certified by BSRIA in accordance with the B&ES (formally HVCA) test procedures DW/TM1.
- Suitable for B&ES specification DW/144 for Joint Ratings up to J5 and pressure classes A, B and C.
- Z275 gram coating to steel giving anti-corrosion benefits.
- Choice of material types and gauges, available in Stainless Steel & Aluminium or request.



Design Specification

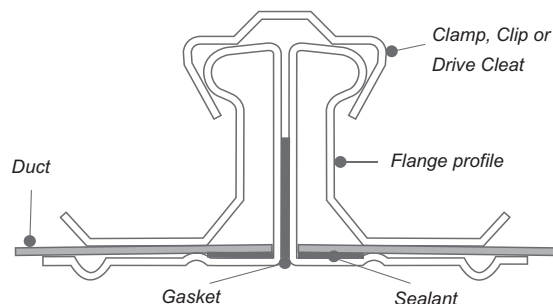
During the manufacturing process airtightness is ensured by the inclusion of a non-toxic sealant.

All rectangular ductwork cross joints shall be the VerroMax slide on flange type complete with integral permanently flexible non toxic sealant, consisting of a Galvanised MS profile and EZP corner pieces. The appropriate size of flange shall be fitted to the ductwork as covered by the construction tables 2 to 4 of specification DW144.

Shall be independently tested to the procedures of BSRIA in accordance with HVCA specification DW/TM1 and as manufactured by Doby Verrolec. The flanges shall be fitted to

the ductwork and assembled on site with the appropriate gasket all to the manufacturers instructions.

VerroMax Profile - Cross Section



DW/TM1 Test Results

Profile	Joint Rating	Pressure Class		
		A	B	C
VM20	J2	✓	✓	✓
VM30	J3	✓	✓	✓
VM30	J4	✓	✓	✓
VM30 ⁽¹⁾	J5	✓	✓	✓
VM40 ⁽¹⁾	J5	✓	✓	✓

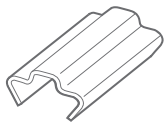
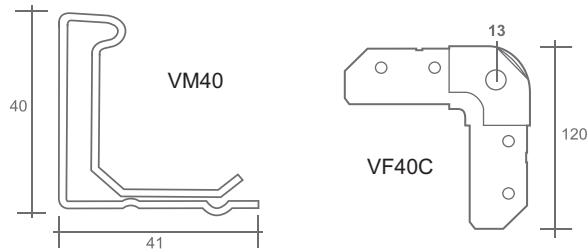
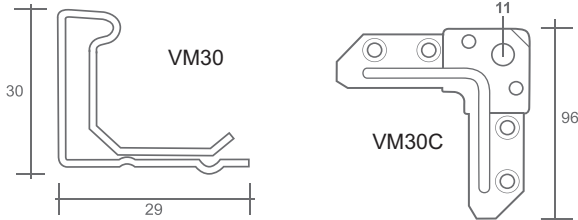
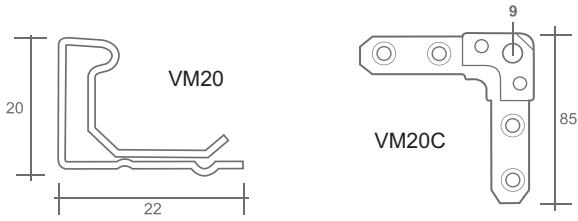
Notes:

VM20, VM30 and VM40 for TM1 test results refer to 120.2 and 130.3, as tested by BSRIA in accordance with HVCA specification DW/TM1 test procedures.

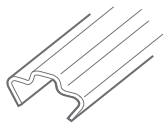
(1) When used with central Tie Bar as tested by BSRIA in accordance with HVCA specification DW/TM1 test procedures.



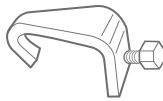
Product Details & Specifications



VF20CL



VF20CT

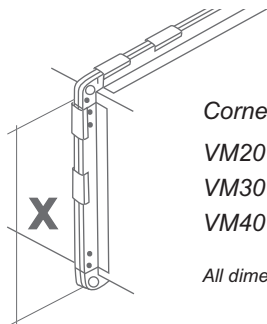


VFGC

Ductseal Gasket

A cross linked Medium Density P.V.C. closed cell foam combined with a high grab sensitive adhesive to give good all round sealing properties. Temperature range -40°C to $+70^{\circ}\text{C}$. We recommend the use of the appropriate gasket to ensure performance in accordance with our DW/TM1 test results, where application allows. Supplied in green for easy identification.

Corner Hole Centering



Corner Holes Centres (X)

VM20 Ductsize plus 20 nom

VM30 Ductsize plus 32 nom

VM40 Ductsize plus 30 nom

All dimensions are in millimetres

Flange Profiles

	gauge(mm)	weight(kg)
VM20	0.7	0.47/m
VM30	0.8	0.73/m
VM40	1.0	1.11/m

Steel Grade and coating BS EN 10346:2015 DX51D +Z275 MAC.

Integral Sealant, Evode Glasticon 126 Solvent Free permanently non-setting mastic.

Corner Pieces

	gauge(mm)	weight(kg)
VM20C	2.0	12.6/250
VM30C	3.0	12.4/125
VF40C	5.0	13.7/50

Steel Grade EN 10111:1998-DD11 Pickled & Oiled Finish - Zinc and clear passivate to BS EN 12329-Fe/Zn5/A.

Clip, Cleat & Clamp

	gauge(mm)	weight(kg)
VF20CL	1.2	6.58/200
VF20CT	1.2	0.33/m
VFGC	3.0	5.4/100

Steel Grade EN 10142:2000 Coating Specification EN 10142 DX51D +Z275-M-A-C. Pickled & Oiled Finish - Zinc and clear passivate.

Packing details

Profiles

VM20	250m Bundle
VM30	250m Bundle
VM40	250m Bundle
5000mm standard length, 3000mm to order.	

Corner Pieces

VM20C	Boxes of 200
VM30C	Boxes of 125
VF40C	Boxes of 50

Clip

VF20CL	Boxes of 200
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Drive Cleat

VF20CT	Bundles of 500m
2000mm standard length.	

Clamp

VFGC	Boxes of 100
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Gasket

570	Carton of 825m (55 rolls)
571	Carton of 600m (40 rolls)
572	Carton of 480m (32 rolls)
572A	Carton of 300m (20 rolls)

Corner Nuts and Set Screws

DS160 - DS163	in boxes of 250
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