

Ductwork Components

DV Specialist Ductwork Jointing System

Slide on Flange Details & Specifications

- Provides for rapid assembly of cross joints.
- Produced as standard in 304L/316L Stainless Steel, 1050 Aluminium can be used at the customers request.
- Available in standard metric sizes of 20mm, 30mm and 40mm.
- Permanently flexible non-toxic sealant available.
- Full range of accessories to suit all sizes of flange.
- Precision rolled profiles for specialist applications where standard galvanised steel systems are not appropriate, such as Pharmaceutical, Clean Rooms, Corrosive atmosphere.



Design Specification

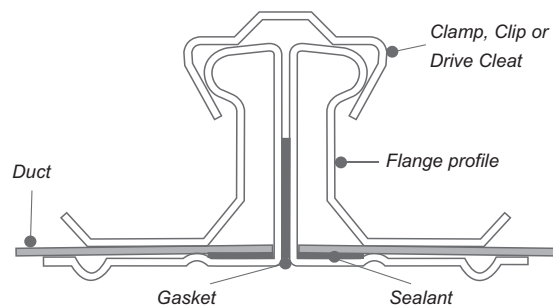
Our standard Stainless Steel products are supplied without the inclusion of a non-toxic sealant. Please contact the sales office prior to purchase if sealant is required.

All rectangular ductwork cross joints shall be the DV Specialist slide on flange type manufactured from 304L, 316L Stainless Steel or 1050 H14 Aluminium. The appropriate size of flange shall be fitted to the ductwork as covered by the construction tables 2 to 4 of specification DW144 as manufactured by Doby Verrolec. The flanges shall be fitted to the ductwork and assembled on site where appropriate with the correct gasket, all to the manufacturers instructions.

Part Numbers

20mm profile - Ref. VF20*	VF20C corners
30mm profile - Ref. VF30*	VF30C corners
40mm profile - Ref. VF40*	VF40C corners

DV Specialist Profile - Cross Section



DW/TM1 Recommendations

Profile	Joint Rating	Pressure Class			
		A	B	C	D
VF20*	J2	✓	✓	✓	✓
VF30*	J3	✓	✓	✓	✓
VF30*	J4	✓	✓	✓	✓
VF40*	J5	✓	✓	✓	✓
VF40* (1)	J6	✓	✓	✓	✓

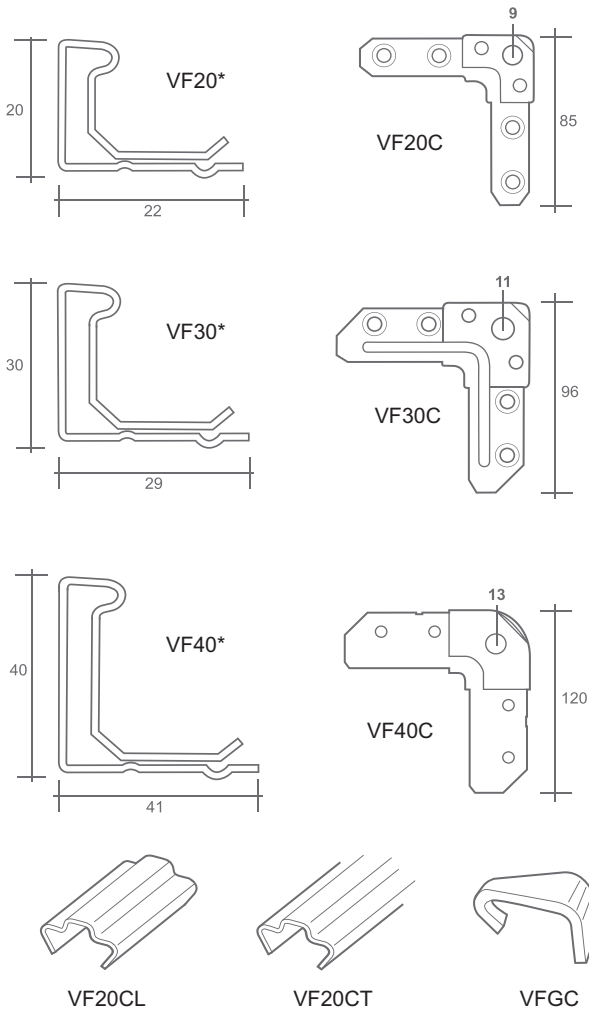
Table is derived from test results using identical sized profiles manufactured in Galvanised Mild Steel. Tested by BSRIA in accordance with HVCA specification DW/TM1 test procedures.

*When 304L Stainless Steel is required add the suffix "304" to the end of the product code detailed above. For 316L Stainless Steel add "316" and for Aluminium add "A".

(1) When used with a Central Tie Bar.



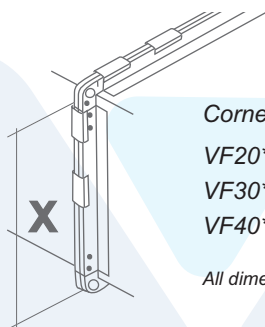
Product Details & Specifications



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. Always check system performance to ensure suitability. For specialist applications please refer to the Sales Office.

Corner Hole Centring



Corner Holes Centres (X)

VF20* Ductsize plus 20 nom

VF30* Ductsize plus 32 nom

VF40* Ductsize plus 30 nom

All dimensions are in millimetres

Flange Profiles

	gauge(mm)	weight(kg)
VF20*	0.7	0.48/m †
VF30*	0.8	0.83/m †
VF40*	1.0	1.18/m †

Corner Pieces

	gauge(mm)	weight(kg)
VF20C	2.5	14.0/250
VF30C	3.0	15.0/125
VF40C	4.95	13.15/50

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

Available in 304L/316L Stainless Steel or 1050 H14 Aluminium to suit specifications & requirements. Integral Sealant, Evode Glasticon 126 Solvent Free permanently non-setting mastic if required for flange profiles.

* When 304L Stainless Steel is required add the suffix "304" to the end of the product code detailed above. For 316L Stainless Steel add "316", for Aluminium add "A".
† Flange Profile weights stated are based on Stainless Steel and not Aluminium.

Packing details

Profiles

VF20, 30 & 40 5m standard length

VF30 Aluminium available only in 3m lengths

Corner Pieces

VF20C Boxes of 200

VF30C Boxes of 125

VF40C Boxes of 50

Clip

VF20CL Boxes of 200

Drive Cleat

VF20CT Bundles of 500m
2000mm standard length.

Clamp

VFGC Boxes of 100

Gasket

570 9mm x 4.5mm x 15m (55 rolls)

572 15mm x 4.5mm x 15m (32 rolls)

Corner Nuts and Set Screws

DS160 - DS163 in boxes of 250

Fabrication details

Please note that for the fabrication details refer to the 'VerroFlange' fabrication sheet.