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FLANGE

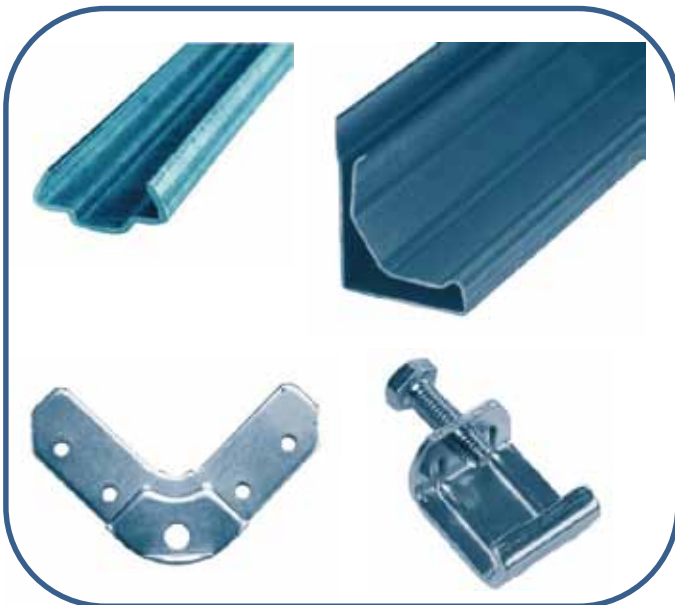
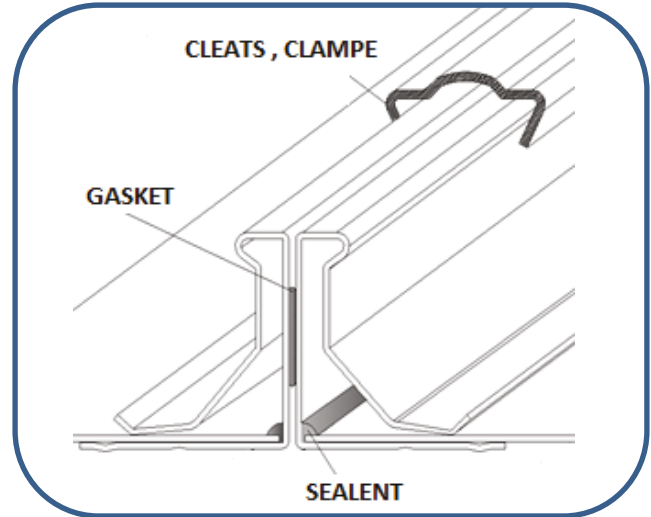
Roll formed quality galvanized sheets
based on :
ASTM A653/A653M-94 Zinc coating Z27
(275gr/m2).
BS EN 10327:1004 Dx51 Z275.

CORNERS , CLAMPS

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

CLEATS

Roll formed quality galvanized sheets
based on :
ASTM A591/A591M-94 REPLACED A879
/ A879M 2005
BS 1449 HR4-BS1706.FE Z51A.



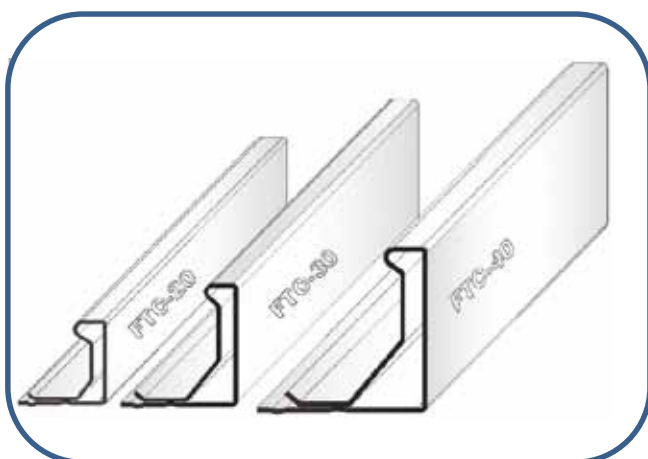
SEALENT

Temperature range: -25°C to +120°C Max.
short term temperature: +130°C Drop
point DIN ISO 2176: +185°C Worked
penetration acc. to 60 DH DIN ISO 2137:
265 to 295 1/10 mm
Base type: Mineral oil .
ASTM A653/A653M-94 Zinc coating
Z27 (275gr/m2)
BS EN 10327:1004 Dx51 Z275.

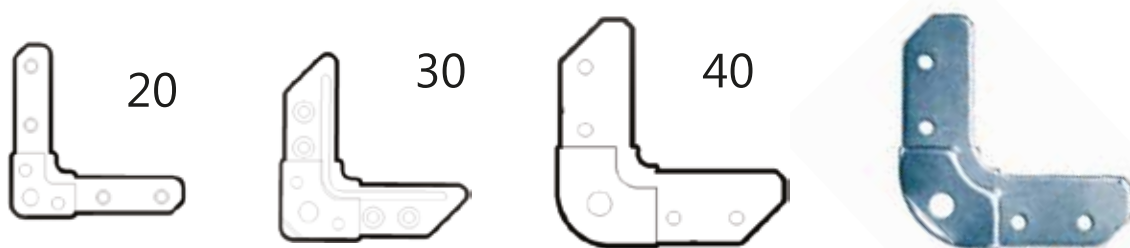
GASKET

One Side self adhesive Polyethylene tape

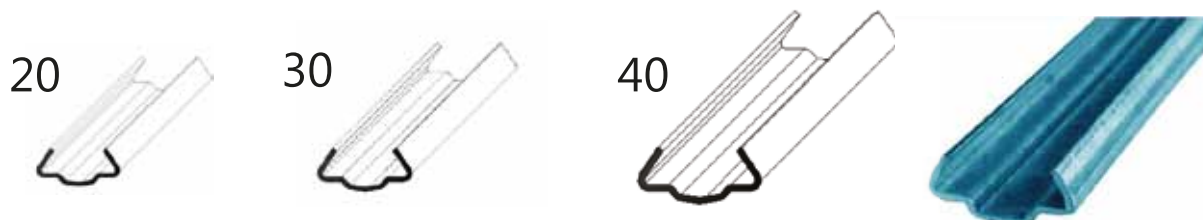
- **The FTC FLANGE** standard profile is supplied with double seal bead.
- 45° supporting limb provides for optimum stability.
- Manufactured from corrosion resistant, galvanized G90 (Z27).
- System is established throughout high quality duct proprietary flange for rectangular ducting. It is available in three sizes 20/30/40 to suit any ductwork connection, large or small.



Art. No.	Name	Material	Gauge / MM	MTR./BUNDLE
20	FTC - FLANGE 201	Galvanized -G90	0.6	500
20S	FTC - FLANGE 20A	SS 304	0.8	500
20A	FTC - FLANGE 20S	Aluminum	0.6	500
30	FTC - FLANGE 301	Galvanized -G90	0.8	500
30S	FTC - FLANGE 30A	SS 304	0.9	500
30A	FTC - FLANGE 30S	Aluminum	0.8	500
40	FTC - FLANGE 401	Galvanized -G90	1	250
40S	FTC - FLANGE 40A	SS 304	1.2	250
40A	FTC - FLANGE 40S	Aluminum	1	250

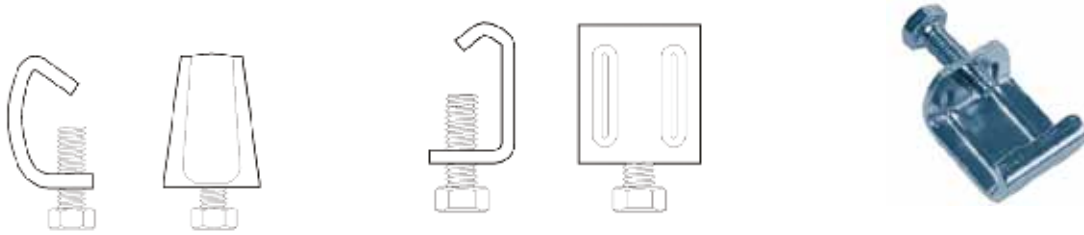


Art. No.	Name	Material	Gauge / MM	PC/BOX.
120	CORNER 20	Galvanized Steel	2.0	500
120s	CORNER 20	SS 304	2.0	500
120A	CORNER 20	Aluminum	2.0	500
130	CORNER 30	Galvanized Steel	2.5	350
130s	CORNER 30	SS 304	2.5	350
130A	CORNER 30	Aluminum	2.5	350
140	CORNER 40	Galvanized Steel	3.5	150
140s	CORNER 40	SS 304	3.5	150
140A	CORNER 40	Aluminum	3.5	150



Art. No.	Name	Material	Gauge / MM	MTR./BUNDLE
220	Cleats 20	Galvanized Steel	1.25	200
220S	Cleats 20	SS 304	1.25	200
220A	Cleats 20	Aluminum	1.25	200
230	Cleats 30	Galvanized Steel	1.25	200
230S	Cleats 30	SS 304	1.25	200
230 A	Cleats 30	Aluminum	1.25	200
240	Cleats 40	Galvanized Steel	1.25	200
240S	Cleats 40	SS 304	1.25	200
240 A	Cleats 40	Aluminum	1.25	200

FTC – Flange System



Art. No.	Name	Material	Gauge / MM	Packing / MTR.
330	Clamps 30	Galvanized Steel	2.5	450
330S	Clamps 30	SS 304	2.5	450
340	Clamps 40	Galvanized Steel	3	500
340S	Clamps 40	SS 304	3	500



Art. No.	Name	Material	MM	Packing / MTR.
412	Cleats 20	Polyethylene	12 X 5	6
415	Cleats 20	Polyethylene	15 X 5	6
420	Cleats 20	Polyethylene	20 X 5	6
430	Cleats 30	Polyethylene	30 X 5	6
440	Cleats 30	Polyethylene	40 X 5	6



FTC 32-17 Anti fungal , Antibacterial Duct Sealant , allowing to be used outdoor and in high humidity environments. pressure tested within 16 hours dry time above 70°F (21°C) and below 60% It quickly forms a strong bond to galvanized, aluminum or mild steel metal ducts. It has a mild odor when wet.

- Recommendation for duct size when manufactured according to DW144
- Flange systems conforms fully to the HVCA specification DW144 for rectangular duct connections with J2, J3, J4, J5 & J6 ratings and covers pressure classes A, B, C & D

Duct connections with ratings

FTC flange	J1	J2	J3 & J4	J5	J6
20		★			
30			★		
40				★	
40T					★

Performance under pressure

FTC flange	Corners	Cleats	Clamp s	Joint Rating	Stiffener Rating	Low Prs.	Med. Prs.	High Prs.
20	120	220	-	J2	S2	✓	✓	✓
30	130	230	-	J3	S3	✓	✓	✓
30	130	230	-	J3	S4	✓	✓	✓
40	140	-	340	J5	S4	✓	✓	✓
40T	140	-	340	J6	S5	✓	✓	✓

Pressure Pa	0 – 500 	501 – 1000 	1001 – 1500 	1501 – 2000 	2001 – 2600
500	FTC - 20		FTC - 30		FTC - 40T
750	FTC - 20		FTC - 30		FTC - 40T
1000	FTC - 20		FTC - 30		FTC - 40T
1250	FTC - 20	FTC - 30		FTC - 40T	
1500	FTC - 20	FTC - 30	FTC - 40T		FTC - 40T

1. FTC - 40T = Denotes FTC 40 Complete with the Tie Bar
2. All Maximum Lengths are based on stiffened sheet ducts

- *Recommendation for duct size when manufactured according to SMACNA*
 - *Flange system meets SMACNA standards , without external sealant*
- Down set in flange insures proper sealing , Sealing materials meet NFPA 90A & B Class 1 requirements*

Low Pressure Class A / 2" (500 Pa)

<i>Duct longest size mm</i>	<i>Gauge mm</i>	<i>Flange</i>	<i>Stiffener</i>	<i>Maximum Length Without Stiffeners</i>
<i>Up To 400</i>	<i>0.6</i>	<i>FTC-20/K</i>	<i>S2</i>	<i>2800</i>
<i>401 to 600</i>	<i>0.8</i>	<i>FTC-20/K</i>	<i>S2</i>	<i>2800</i>
<i>601 to 800</i>	<i>0.8</i>	<i>FTC-20/K</i>	<i>S2</i>	<i>1600</i>
<i>801 to 1000</i>	<i>0.8</i>	<i>FTC-20/K</i>	<i>S2</i>	<i>1250</i>
	<i>0.8</i>	<i>FTC-30/J</i>	<i>S3</i>	<i>1600</i>
<i>1001 to 1250</i>	<i>1.0</i>	<i>FTC-20/K</i>	<i>S2</i>	<i>650</i>
	<i>1.0</i>	<i>FTC-30/J</i>	<i>S3</i>	<i>1250</i>
<i>1251 to 1600</i>	<i>1.0</i>	<i>FTC-30/J</i>	<i>S3</i>	<i>625</i>
<i>1601 to 2000</i>	<i>1.0</i>	<i>FTC-30/J</i>	<i>S4</i>	<i>625</i>
<i>2001 to 2500</i>	<i>1.2</i>	<i>FTC-40/F</i>	<i>S5</i>	<i>625</i>
<i>2501 to 3000</i>	<i>1.5</i>	<i>FTC-40T/F</i>	<i>S6</i>	<i>625</i>

Medium Pressure Class B / 4" (1000 Pa)

<i>Duct longest size mm</i>	<i>Gauge mm</i>	<i>Flange</i>	<i>Stiffener</i>	<i>Maximum Length Without Stiffeners</i>
<i>Up To 400</i>	<i>0.6</i>	<i>FTC-20/K</i>	<i>S2</i>	<i>1600</i>
<i>401 to 600</i>	<i>0.8</i>	<i>FTC-20/K</i>	<i>S2</i>	<i>1600</i>
<i>601 to 800</i>	<i>0.8</i>	<i>FTC-20/j</i>	<i>S2</i>	<i>1250</i>
<i>801 to 1000</i>	<i>0.8</i>	<i>FTC-30/J</i>	<i>S3</i>	<i>1250</i>
<i>1001 to 1250</i>	<i>1.0</i>	<i>FTC-30/J</i>	<i>S3</i>	<i>625</i>
<i>1251 to 1600</i>	<i>1.0</i>	<i>FTC-30/J</i>	<i>S4</i>	<i>625</i>
<i>1601 to 2000</i>	<i>1.2</i>	<i>FTC-30/J</i>	<i>S5</i>	<i>625</i>
<i>2001 to 2500</i>	<i>1.5</i>	<i>FTC-40/F</i>	<i>S6</i>	<i>625</i>

Description

- *flange for rectangular ducting. It is available in three sizes 20/30/40 to suit any ductwork connection, large or small.*

- *Flanges manufactured from corrosion resistant galvanized G90 (Z27) Steel Incorporating a permanent non toxic and non hardening sealant (temperature range -35 C to +100 C). This together with other system components (In seal, Gasket Sealant) ensures no leakage.*



- *System does not require any notching, flange forming or special end Treatment of the duct allowing faster manufacture, easier onsite erection and reduced labor costs.*

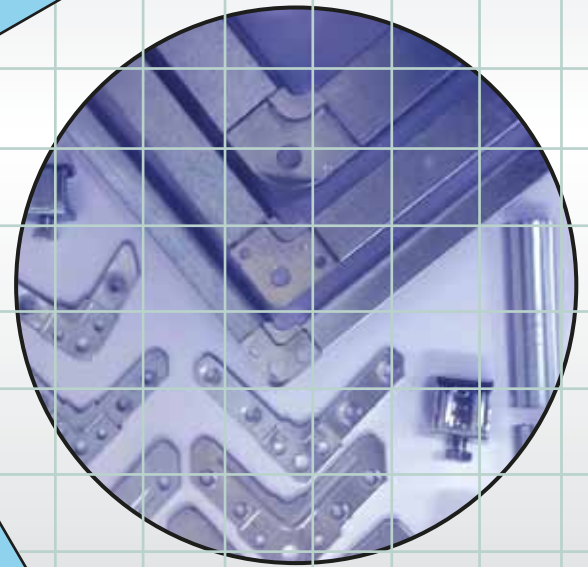
- *Flange 20/30/40 connection systems consist of roll-formed flanges, corner pieces, gasket ,*

- *cleat and clamps . The flanges fix to the duct wall and have an integral mastic which allows the flange to seal itself to the duct. Corner pieces are used to add rigidity to the flange; hold the ductwork together and provide a sealing surface for the gasket. The gasket serves as a seal between the flanges. The cleat or clamps **insures even compression** of the gasket along the length of the flange.*





**FUTURE
TECHNOLOGY**



FTC Duct Connection System

20/30/40

**QUALITY &
RELIABILITY**