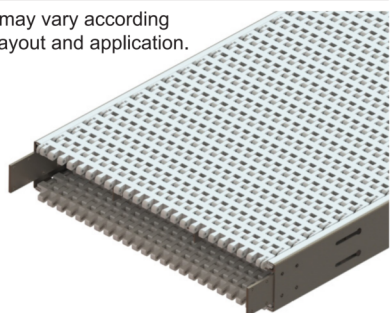


# MODU DF2 CONVEYOR SERIES

## Technical Characteristics

Chain Width	585 mm
Chain Pitch	45.0 mm
Chain Weight	7.1 kg/m
Chain Working Tension (Max) With Bend Without Bend	2100 N 2200 N
Max Product Weight* <i>Horizontal Transport</i> <i>Vertical Transport</i>	30.0 kg 15.0 kg
Total Load*	400 kg
Working Temperature*	-10°C to 60°C
Max Conveyor Length*	30 m
Max speed*	50 m/min
Drive Unit Capacity	2200 N
Item Width*	<700 mm

\* Actual limit may vary according to conveyor layout and application.



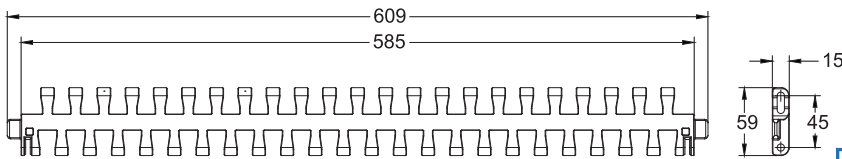
**Chain Width 585 mm**

## Contents

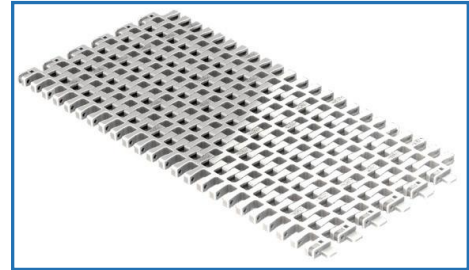
Belt MF2 .....	302	Bottom Tab (BT) Belt DF2 .....	308
Belt Accessories MF2 .....	303	Conveyor Beam (BT) DF2 .....	308
Drive Units DF2 .....	304	Accessories DF2 .....	308
Idler Unit DF2 .....	304	Drive Units (BT) DF2 .....	309
Conveyor Beam DF2 .....	305	Idler Unit (BT) DF2 .....	309
Accessories DF2 .....	305	Horizontal Plain Bend (BT) DF2 .....	310
Horizontal Plain Bend DF2 .....	306		
Belt Elongation Section DF2 .....	307		

**Belt MF2**

**Plastic Plain Curve Belt**

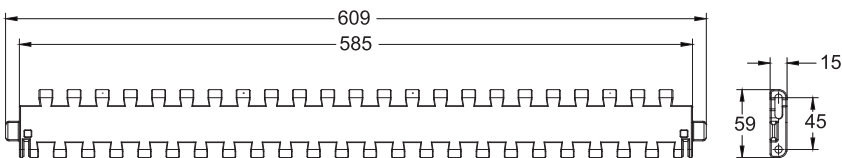


- 8.5mm belt gap.
- Suitable for conveyor configuration with incline/decline up to 7°.
- Accumulation possible.

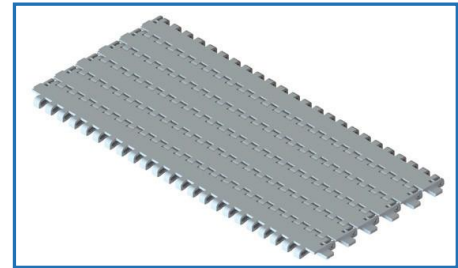


Item Code	Material	Color	Weight	Supply
MF2 CP 5	POM	White	35.4 kg/roll	5m/roll
MF2 CP 5 P	PP	White	24.8 kg/roll	5m/roll

**Plastic Plain Straight Belt**

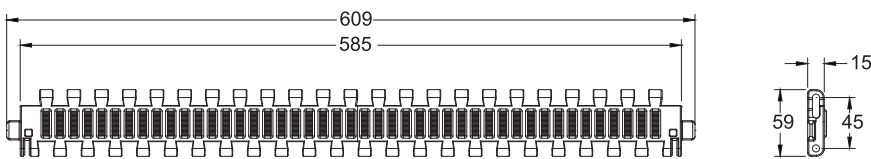


- 0mm belt gap.
- Suitable for conveyor configuration with incline/decline up to 7°.
- Accumulation possible.

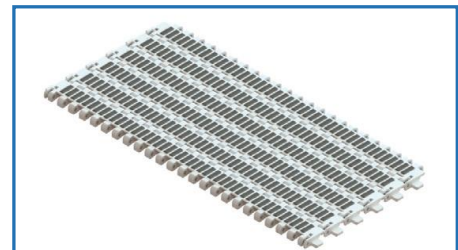


Item Code	Material	Color	Weight	Supply
MF2 CP 5 ZG	POM	White	38.2 kg/roll	5m/roll
MF2 CP 5 ZG P	PP	White	26.7 kg/roll	5m/roll

**Friction Belt**



- Suitable for conveyor configuration with incline/decline up to 25°.
- Friction material : TPE (grey).
- Straight running only (0mm gap)
- Accumulation not possible.



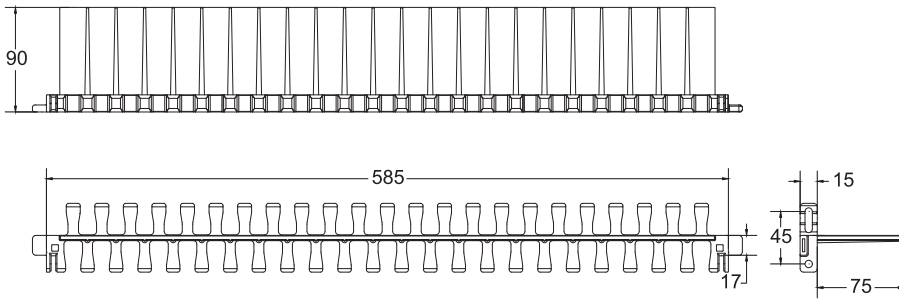
Item Code	Material	Color	Weight	Supply
MF2 CF 5 ZG	PP	White	39.2 kg/roll	5m/roll

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU DF2 SERIES - BELT

### Plastic Cleated Link

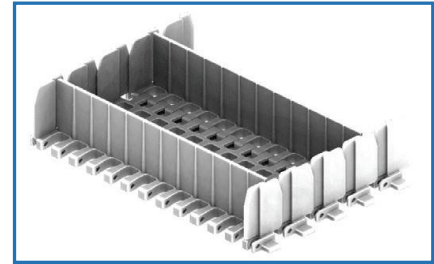


- Required for vertical or steeply inclined /declined conveyor.
- Accumulation not possible.
- Supply in pieces without side guide.

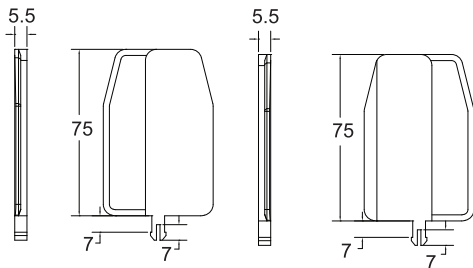
\*P  
Please specify pitch between cleat for ordering  
(eg. MF2 CC 3x75 \*P ; 3P = Every 3rd link to be cleated).

Item Code	Material	Color	Weight	Supply
MF2 CC 3x75 *P	POM	White	** kg/pc	1 pc

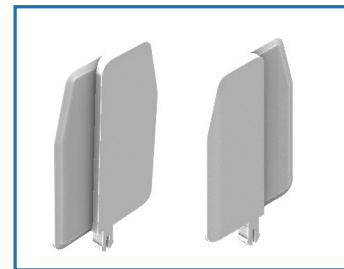
\* Non-standard height are available upon request but cleat material will be different.



\* Side guide cleats are optional



### Side Guard L-R



Item Code	Material	Color	Weight	Supply
MT2 CLP G-75	POM	White	1.7 kg	50 set/pkt

### Belt Accessories MF2

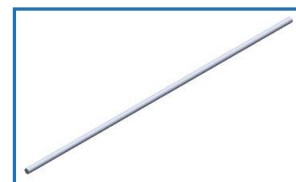
#### Lubricant For Belt



Silicone-based lubricant,  
400ml

Item Code	Weight	Supply
MA SL	0.35 kg/can	1 can

#### Belt Pin



Item Code	Material	Weight	Supply
MF2 PC	POM	0.16 kg	10 pcs / pkt

#### Belt Lock



Item Code	Material	Color	Weight	Supply
MT2 BL	POM	White	0.07 kg	10 pcs / pkt

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

# MODU DF2 SERIES - DRIVE & IDLER UNIT

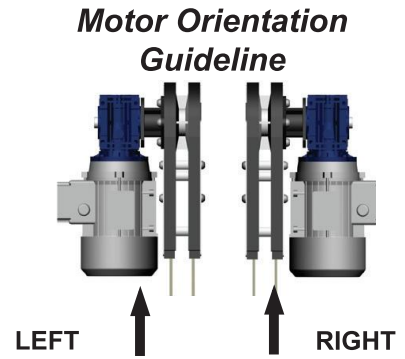
## Drive Units DF2

Gearmotor size (SEW)  
 S20 = WA20  
 S30 = WA 30  
 S37 = SA37  
 S47 = SA47

Gearmotor type (Transtechno)  
 T40 = CMRV 040  
 T50 = CMRV 050

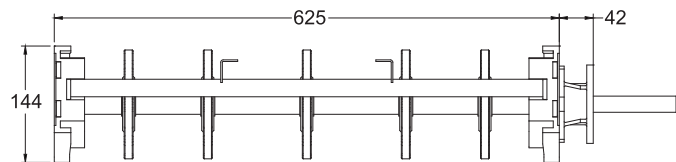
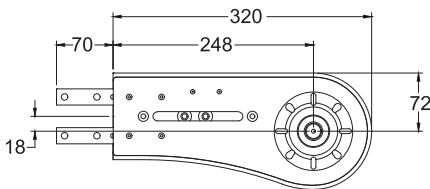
Gearmotor position: L or R  
 D: Front Drive

**DF2 DD L S37**  
 Front direct drive unit, motor on left side for 0.55kW SEW geared motor,

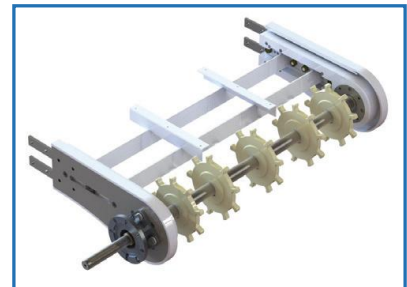


Example. Code for Basic unit;  
**DF2 DD R S47** => Front drive unit, motor on right side for SEW SA47 gearmotor.

## Front Drive Unit

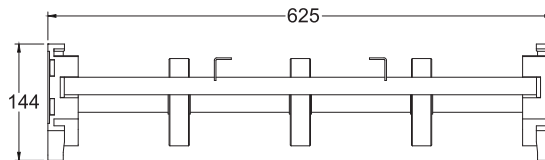
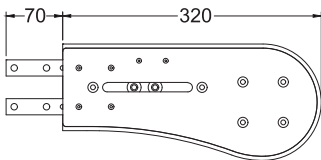


- Effective track length: 0.8m
- Traction force: 2200N
- Connecting strip and M8 hex screw included.
- Built in with CIS

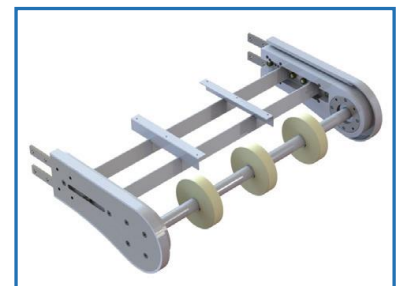


Item Code	Description	Weight	Supply
DF2 DD R/L S/T	Basic drive unit	12.0 kg	1 unit

## Idler Unit DF2



- Effective track length: 0.8m
- Connecting strip and M8 hex screw included.
- Built in with CIS



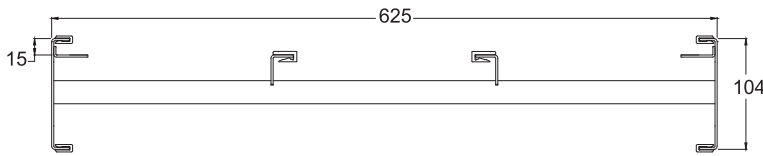
Item Code	Description	Weight	Supply
DF2 IE 320	Basic idler unit	11.3 kg	1 unit

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU DF2 SERIES - BEAM AND ACCESSORIES

### Conveyor Beam DF2

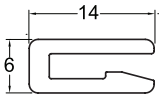


Item Code	Weight	Supply
DF2 CB 2.4	21.0kg	2.4m / beam
DF2 CB L	**L kg	L / beam

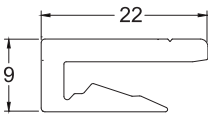
- Available length:  
 L = between 100, 200mm up 1200mm  
 - eg: for 500mm beam, part number is DF2 CB 0.5  
 - if beam required is 1.5m, then L = 1.2m + 0.3m  
 (order part number = DF2 CB 1.2 & DF2 CB 0.3)

### Accessories DF2

#### Slide Rail

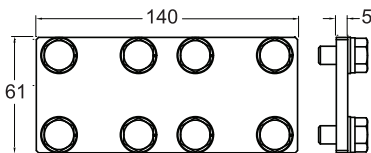


Item Code	Material	Color	Weight	Supply
MS SR 25	HDPE	Semi-Transparent White	1.2 kg	25m/roll
MS SR 25A	Anti-Static	Grey	1.2 kg	25m/roll

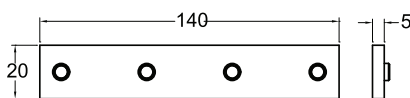


Item Code	Material	Color	Weight	Supply
MA2 SR 25	HDPE	Semi-Transparent White	2.8 kg	25m/roll
MA2 SR 25A	Anti-Static	Grey	2.8 kg	25m/roll

#### Connecting Strip



Item Code	Weight	Supply
DA CS 61x140	4.0 kg	10 pcs/pkt



Item Code	Weight	Supply
DA CS 20x140	1.1 kg	10 pcs/pkt

- M8 set screw included

#### Screw



Item Code	Weight	Supply
MA RS 6.5	0.02 kg	50 pcs/pkt

#### Rivet



Item Code	Weight	Supply
MA RR 3	0.02 kg	50 pcs/pkt

#### Slide Rail Assembling Tool



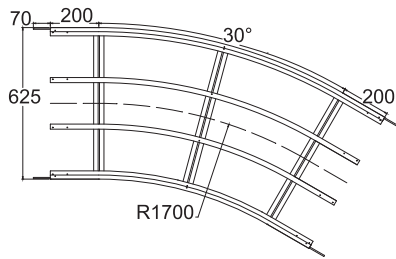
Item Code	Weight	Supply
MT2 SRA	0.4 kg	1 unit

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU DF2 SERIES - HORIZONTAL PLAIN BEND

### Horizontal Plain Bend DF2

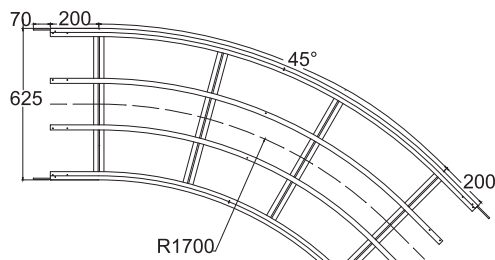


Effective track length:  
R1700: 1.29m 1-way (2.58m 2-way)

#### Horizontal Plain Bend, 30°

Item Code	Radius (R)	Weight	Supply
DF2 BP 30R1700	1700 mm	11.5 kg	1 unit

Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm  
- Connecting strip and M8 hex screw included.

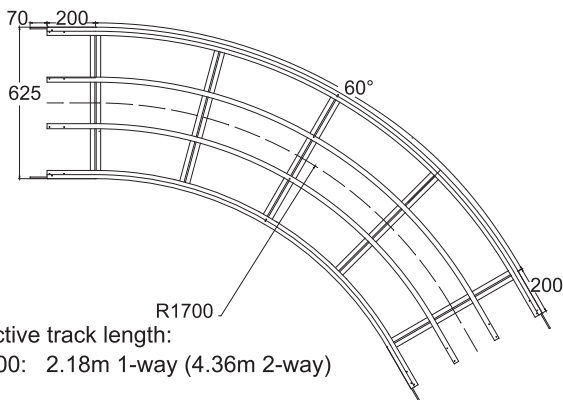


Effective track length:  
R1700: 1.74m 1-way (3.48m 2-way)

#### Horizontal Plain Bend, 45°

Item Code	Radius (R)	Weight	Supply
DF2 BP 45R1700	1700 mm	15.2 kg	1 unit

Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm  
- Connecting strip and M8 hex screw included.

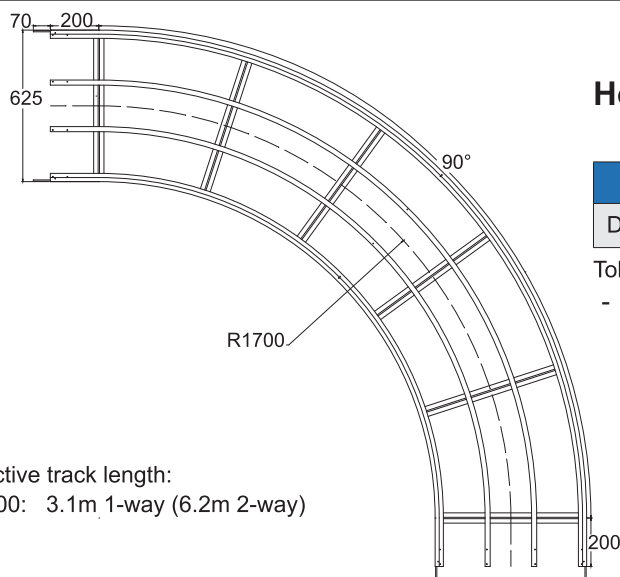


Effective track length:  
R1700: 2.18m 1-way (4.36m 2-way)

#### Horizontal Plain Bend, 60°

Item Code	Radius (R)	Weight	Supply
DF2 BP 60R1700	1700 mm	19.0 kg	1 unit

Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm  
- Connecting strip and M8 hex screw included.



Effective track length:  
R1700: 3.1m 1-way (6.2m 2-way)

#### Horizontal Plain Bend, 90°

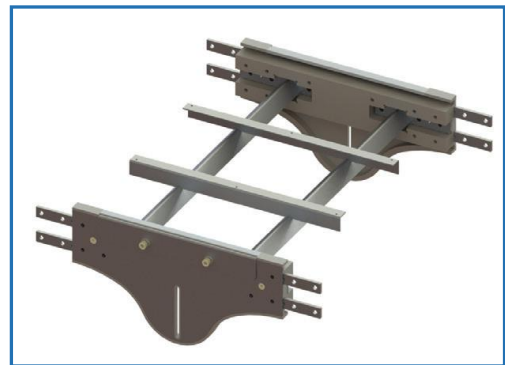
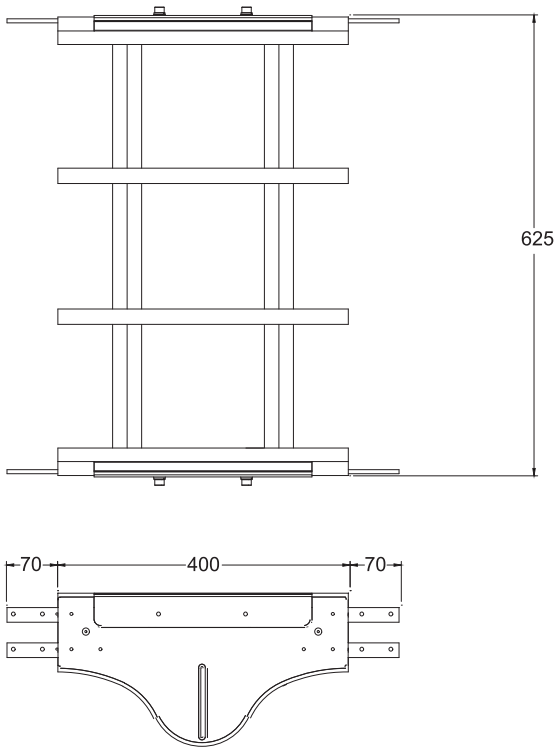
Item Code	Radius (R)	Weight	Supply
DF2 BP 90R1700	1700 mm	25.1 kg	1 unit

Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm  
- Connecting strip and M8 hex screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

**Belt Elongation Section DF2**



- To be used with zero gap belt
- Slide rail, connecting strip and M8 hex screw included.

Item Code	Weight	Supply
DF2 CSS 400	9.3 kg	1 unit

AP

TR

MP

MS3

MM3

ML2

MX2

MT2

MR2

MF2

MPP

MM3P

ML2P

MDP

MG

MB

MA

DS3

DM3

DL2

DX2

DT2

DR2

**DF2**

DG

DB

DA

SD

SE

TL

IM

MM

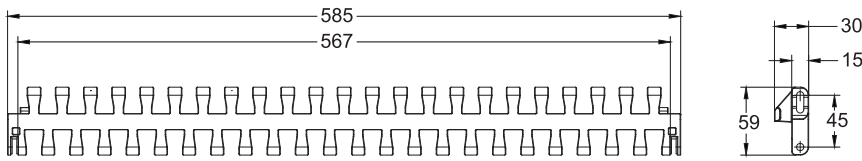
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

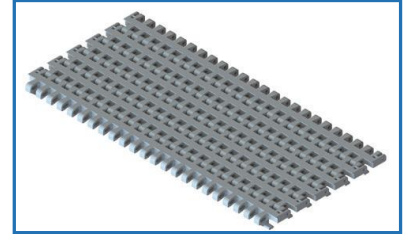
## MODU DF2 SERIES - BOTTOM TAB COMPONENTS

### Bottom Tab (BT) Belt DF2

#### Plastic Plain Curve Belt (Bottom Tab)

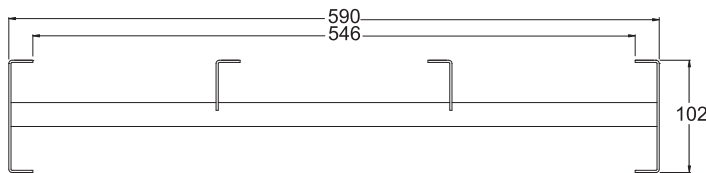


- 8.5mm belt gap.
- Suitable for conveyor configuration with incline/decline up to 7°.
- Accumulation possible.



Item Code	Material	Color	Weight	Supply
MF2 CP 5 BT	POM	White	35.4kg/roll	5m/roll
MF2 CP 5 BT PP	PP	White	24.8kg/roll	5m/roll

### Conveyor Beam (BT) DF2

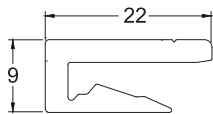


Item Code	Weight	Supply
DF2 CB 2.4 BT	21.0 kg	2.4m / beam

- Available length:  
L = between 100, 200mm up 1200mm
- eg: for 500mm beam, part number is DF2 CB 0.5 BT
- if beam required is 1.5m, then L = 1.2m + 0.3m  
(order part number = DF2 CB 1.2 BT & DF2 CB 0.3 BT)

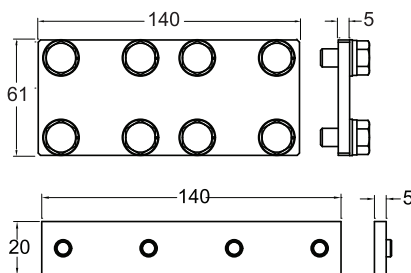
### Accessories DF2

#### Slide Rail



Item Code	Material	Color	Weight	Supply
MA2 SR 25	HDPE	Semi-Transparent White	2.8 kg	25m/roll
MA2 SR 25A	Anti-Static	Grey	2.8 kg	25m/roll

#### Connecting Strip



Item Code	Weight	Supply
DA CS 61x140	4.0 kg	10 pcs/pkt

Item Code	Weight	Supply
DA CS 20x140	1.1 kg	10 pcs/pkt

- M8 set screw included

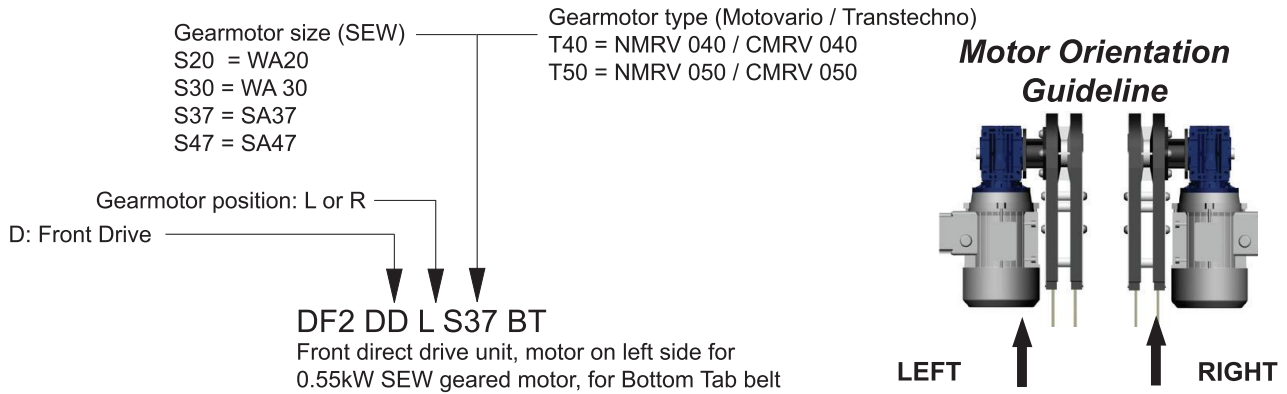
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



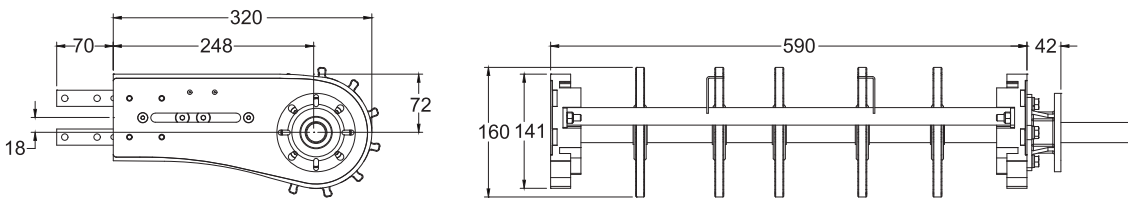
# MODU DF2 SERIES - BOTTOM TAB DRIVE & IDLER END

## Drive Units (BT) DF2

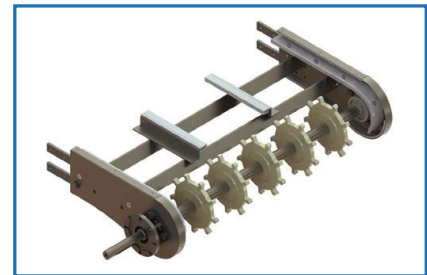


Example. Code for Basic unit;  
**DF2 DD R S47 BT** => Front drive unit for bottom tab chain, motor on right side for SEW SA47 gearmotor.

## Front Drive Unit

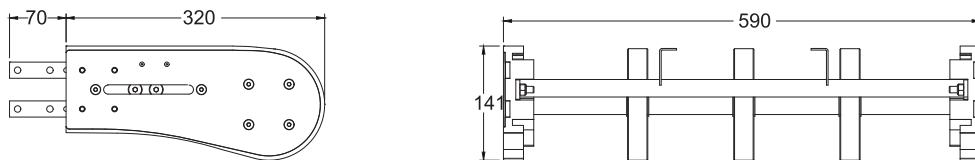


- Effective track length: 0.8m
- Traction force: 1900N
- Connecting strip and M8 hex screw included.
- Built in with CIS

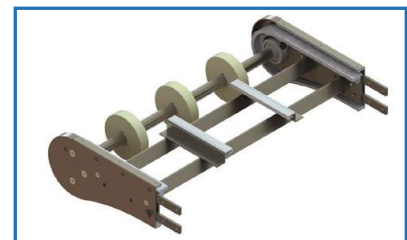


Item Code	Description	Weight	Supply
DF2 DD R/L S/T BT	Basic drive unit	12.0 kg	1 unit

## Idler Unit (BT) DF2



- Effective track length: 0.8m
- Connecting strip and M8 hex screw included.
- Built in with CIS



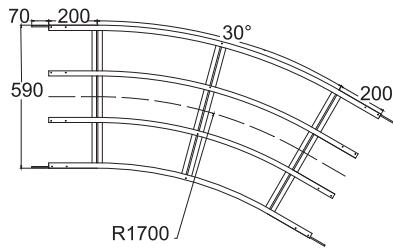
Item Code	Description	Weight	Supply
DF2 IE 320 BT	Basic drive unit	11.3 kg	1 unit

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU DF2 SERIES - BOTTOM TAB PLAIN BEND

### Horizontal Plain Bend (BT) DF2

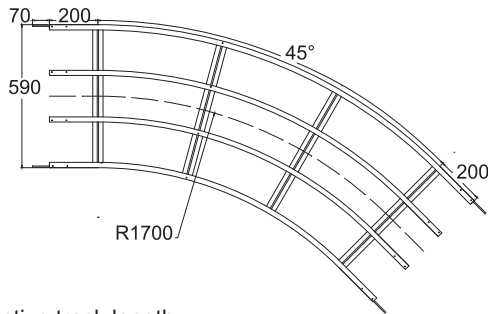


Effective track length:  
R1700: 1.29m 1-way (2.58m 2-way)

#### Horizontal Plain Bend, 30°

Item Code	Radius (R)	Weight	Supply
DF2 BP 30R1700 BT	1700 mm	11.5 kg	1 unit

Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
- Connecting strip and M8 hex screw included.

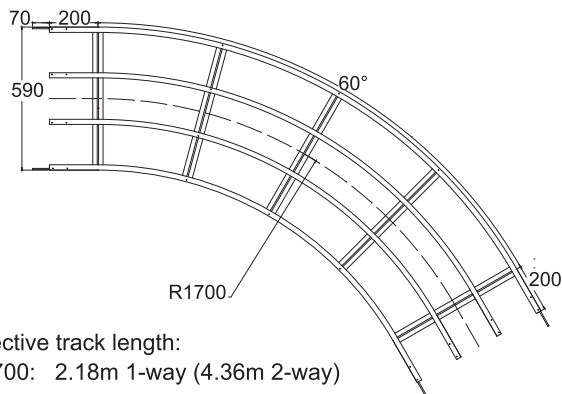


Effective track length:  
R1700: 1.74m 1-way (3.48m 2-way)

#### Horizontal Plain Bend, 45°

Item Code	Radius (R)	Weight	Supply
DF2 BP 45R1700 BT	1700 mm	15.2 kg	1 unit

Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
- Connecting strip and M8 hex screw included.

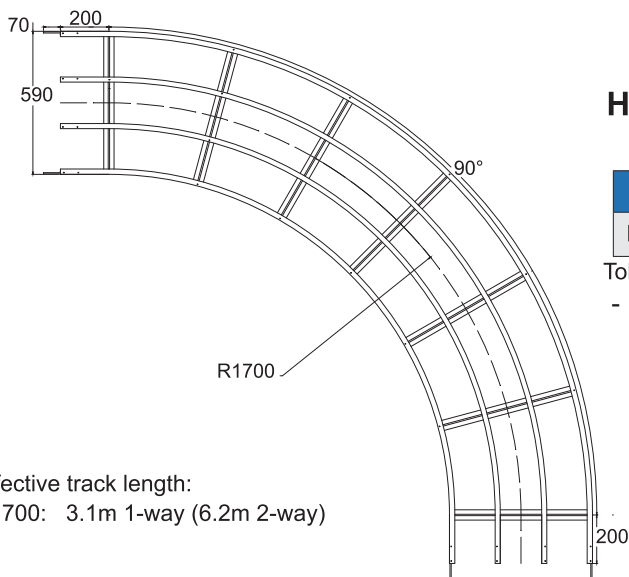


Effective track length:  
R1700: 2.18m 1-way (4.36m 2-way)

#### Horizontal Plain Bend, 60°

Item Code	Radius (R)	Weight	Supply
DF2 BP 60R1700 BT	1700 mm	19.0 kg	1 unit

Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
- Connecting strip and M8 hex screw included.



Effective track length:  
R1700: 3.1m 1-way (6.2m 2-way)

#### Horizontal Plain Bend, 90°

Item Code	Radius (R)	Weight	Supply
DF2 BP 90R1700 BT	1700 mm	25.1 kg	1 unit

Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
- Connecting strip and M8 hex screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)