

# MODU MT2 CONVEYOR SERIES

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

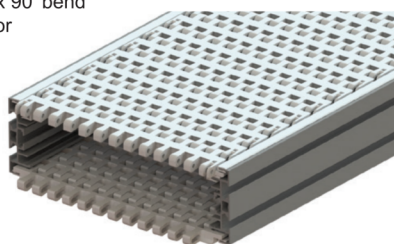
MM

## Technical Characteristics

Chain Width	315 mm
Chain Pitch	45.0 mm
Chain Weight	3.8 kg/m
Chain Working Tension (Max) With Bend	1400 N
Without Bend	1500 N
Max Product Weight* Horizontal Transport	30.0 kg
Vertical Transport	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	1500 N
Item Width*	<500 mm

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

\*\* Maximum 1x 90° bend in one conveyor

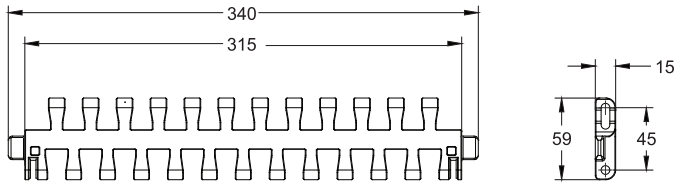


## Chain Width 315mm

### Contents

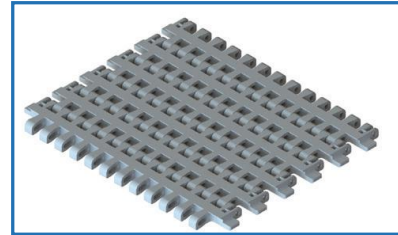
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**Belt MT2**

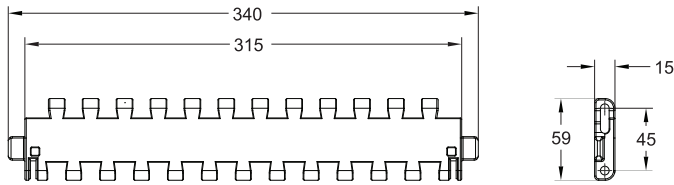


**Plastic Plain Curve Belt**

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

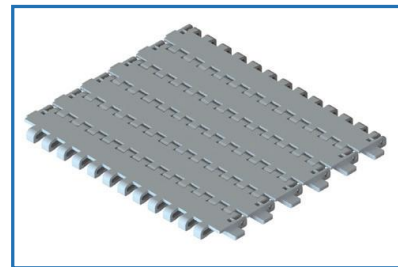


Item Code	Material	Color	Weight	Supply
MT2 CP 5	POM	White	19.0 kg/roll	5m/roll
MT2 CP 5 P	PP	White	13.5 kg/roll	5m/roll

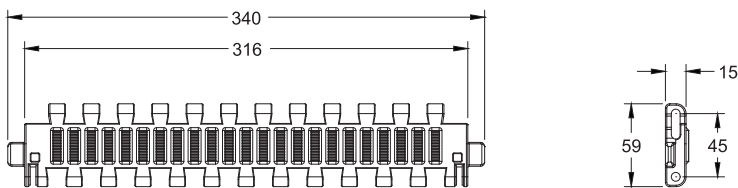


**Plastic Plain Straight Belt**

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

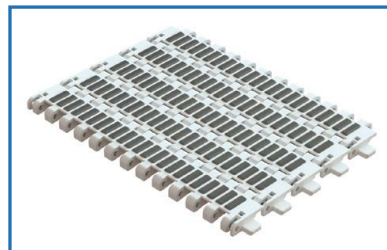


Item Code	Material	Color	Weight	Supply
MT2 CP 5 ZG	POM	White	20.6 kg/roll	5m/roll
MT2 CP 5 ZG P	PP	White	14.8 kg/roll	5m/roll



**Friction Belt**

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

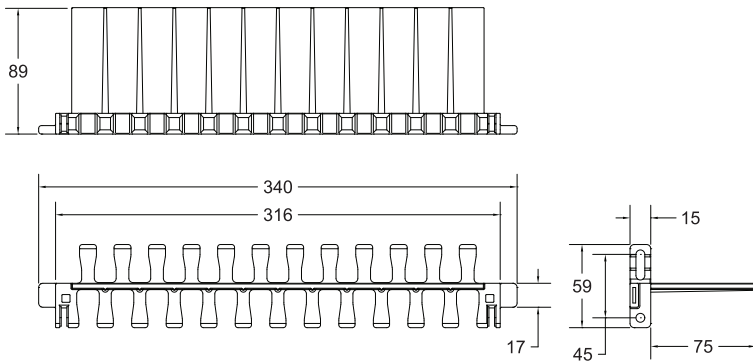


Item Code	Material	Color	Weight	Supply
MT2 CF 5 ZG	PP	White	19.0 kg/roll	5m/roll

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU MT2 SERIES - BELT



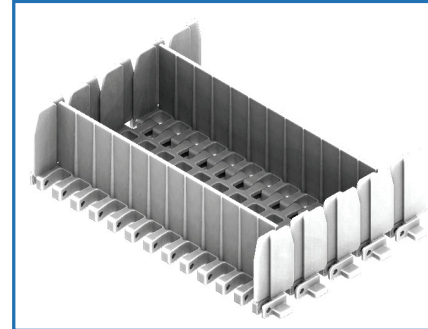
\*P  
Please specify pitch between cleat for ordering  
(eg. MT2 CC 3x75 3P ; 3P = Every 3rd link to be cleated).

Item Code	Material	Color	Weight	Supply
MT2 CC 3x75 *P	POM	White	** kg/pc	1 pc

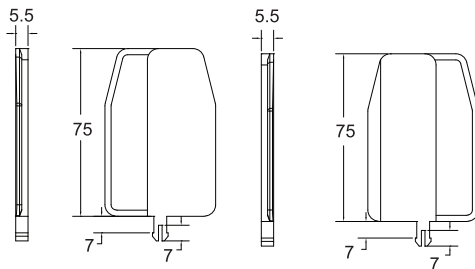
\* Non-standard height available upon request but cleat material is different.

### Plastic Cleated Link

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

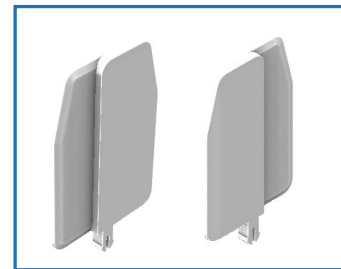


\* Side guide cleats are optional



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

### Side Guard L-R



## Belt Accessories MT2

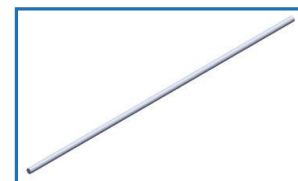
### Lubricant For Belt



Silicone-based lubricant,  
400ml

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

### Belt Pin



Item Code	Material	Weight	Supply
MT2 PC	POM	0.12 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 MT2 SERIES - DRIVE & IDLER UNIT

## Drive Units MT2

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

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

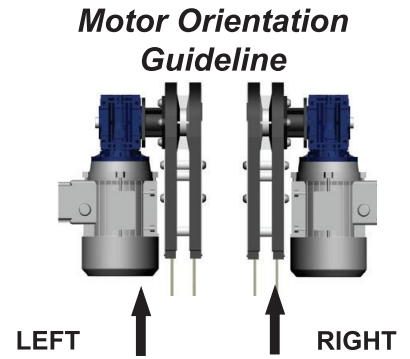
Gearmotor position: L or R  
 D: Front Drive

**MT2 DD L S47**

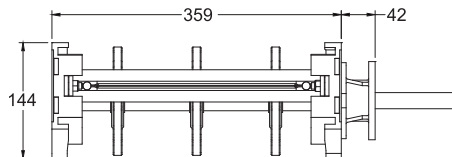
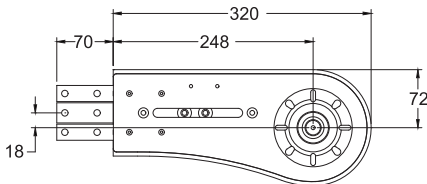
Front direct drive unit, motor on left side for 0.55kW SEW geared motor

Example. Code for Basic unit;

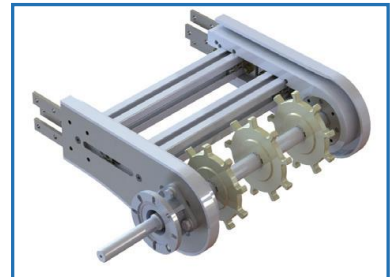
**MT2 DD R S47** => Front drive unit, motor on right side for SEW SA47 gearmotor.



## Front Drive Unit

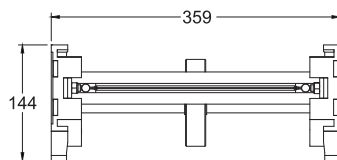
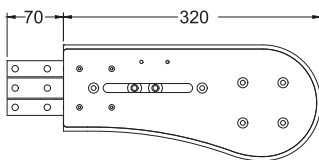


- Effective track length: 0.8m
- Traction force: 1500N
- Connecting strip and set screw included.
- Built in with CIS

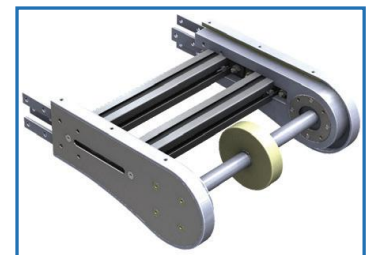


Item Code	Description	Weight	Supply
MT2 DD R/L S/T	Basic drive unit	9.4 kg	1 unit

## Idler Unit MT2



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



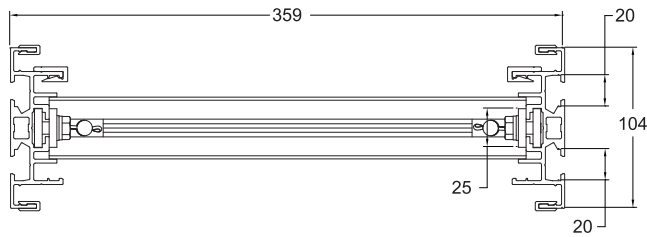
Item Code	Description	Weight	Supply
MT2 IE 320	Basic idler unit	8.3 kg	1 unit

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU MT2 SERIES - BEAM AND ACCESSORIES

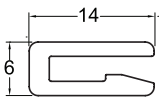
### Conveyor Beam MT2



Item Code	Weight	Supply
MT2 CB 3	18.5 kg	3m / beam

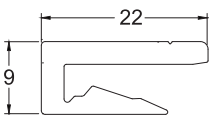
### Accessories MT2

#### Slide Rail



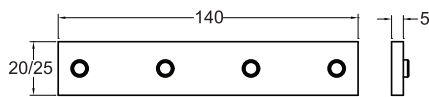
Item Code	Material	Color	Weight	Supply
MS SR 25	HDPE	Semi-Transparent White	1.2 kg	25m/roll
MS SR 25A	Anti-Static	Grey	1.2 kg	25m/roll

#### 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

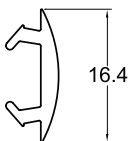
#### Connecting Strip



- 4 pcs M8 set screw included.

Item Code	Weight	Supply
MA CS 20x140	1.1 kg	10 pcs/pkt
MA CS 25x140	1.1 kg	10 pcs/pkt

#### T-Slot Cover



Item Code	Material	Color	Weight	Supply
MB SC 25T	TPE	Grey	1.5 kg	25m/roll
MB SC 25P	PVC	Light Grey	1.3 kg	25m/roll

#### 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



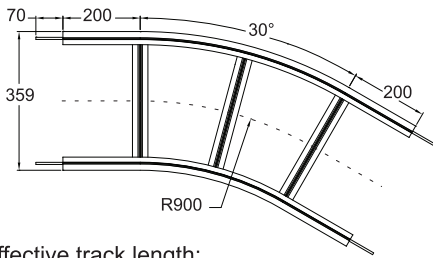
Item Code	Weight	Supply
MT2 SRA	0.4 kg	1 unit

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU MT2 SERIES - HORIZONTAL PLAIN BEND

### Horizontal Plain Bend MT2

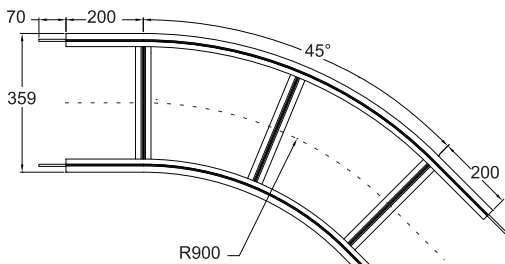


Effective track length:  
R900: 0.87m 1-way (1.74m 2-way)

#### Horizontal Plain Bend, 30°

Item Code	Radius (R)	Weight	Supply
MT2 BP 30R900	900 mm	7.2 kg	1 unit

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

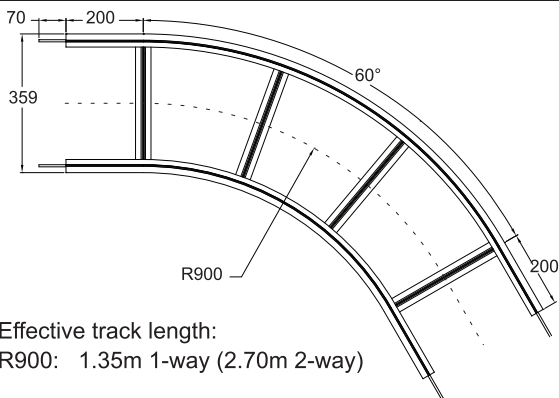


Effective track length:  
R900: 1.11m 1-way (2.22m 2-way)

#### Horizontal Plain Bend, 45°

Item Code	Radius (R)	Weight	Supply
MT2 BP 45R900	900 mm	8.3 kg	1 unit

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

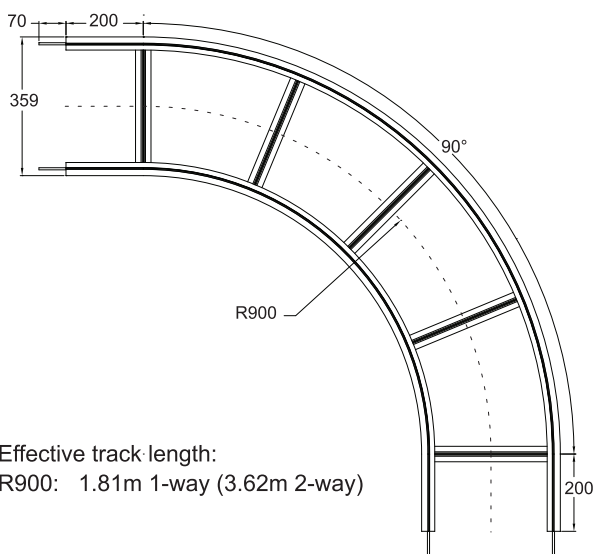


Effective track length:  
R900: 1.35m 1-way (2.70m 2-way)

#### Horizontal Plain Bend, 60°

Item Code	Radius (R)	Weight	Supply
MT2 BP 60R900	900 mm	10.2 kg	1 unit

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



Effective track length:  
R900: 1.81m 1-way (3.62m 2-way)

#### Horizontal Plain Bend, 90°

Item Code	Radius (R)	Weight	Supply
MT2 BP 90R900	900 mm	14.2 kg	1 unit

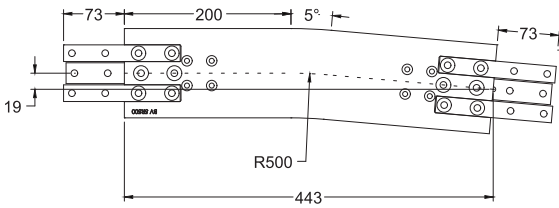
Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm  
- Connecting strip and set screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU MT2 SERIES - VERTICAL BEND

### Vertical Bend MT2

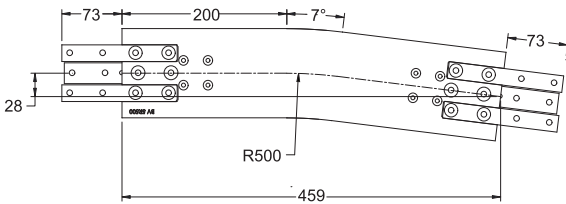


Material: PE

### Vertical Bend, 5°

Effective track length:  
 R500: 0.44m 1-way (0.88m 2-way)  
 - Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
 - Connecting strip and set screw included.

Item Code	Weight	Supply
MT2 BV 5R500	5.6 kg	1 unit

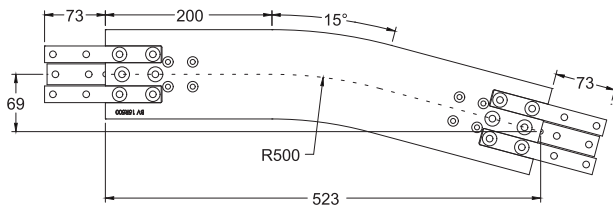


Material: PE

### Vertical Bend, 7°

Effective track length:  
 R500: 0.46m 1-way (0.92m 2-way)  
 - Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
 - Connecting strip and set screw included.

Item Code	Weight	Supply
MT2 BV 7R500	5.9 kg	1 unit

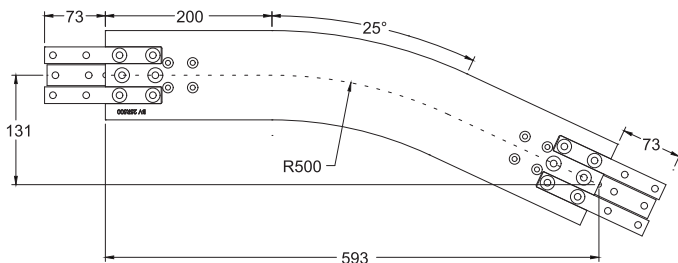


Material: PE

### Vertical Bend, 15°

Effective track length:  
 R500: 0.53m 1-way (1.06m 2-way)  
 - Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
 - Connecting strip and set screw included.

Item Code	Weight	Supply
MT2 BV 15R500	6.2 kg	1 unit

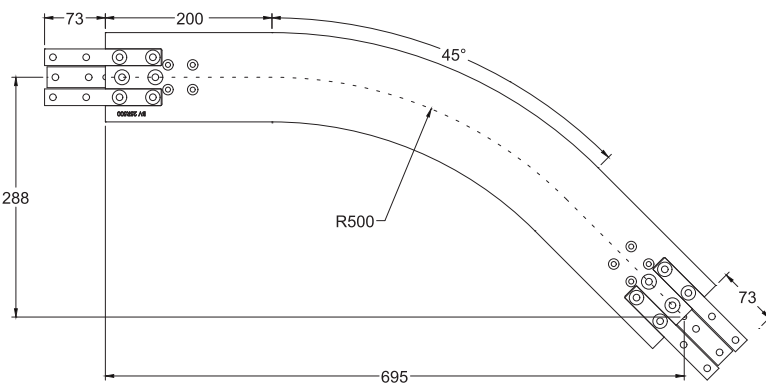


Material: PE

### Vertical Bend, 25°

Effective track length:  
 R500: 0.62m 1-way (1.24m 2-way)  
 - Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
 - Connecting strip and set screw included.

Item Code	Weight	Supply
MT2 BV 25R500	6.8 kg	1 unit



Material: PE

### Vertical Bend, 45°

Effective track length:  
 R500: 0.84m 1-way (1.68m 2-way)  
 - Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
 - Connecting strip and set screw included.

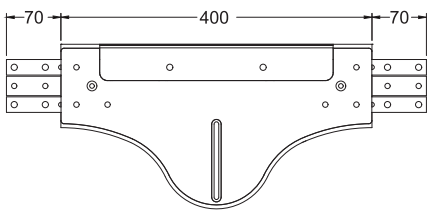
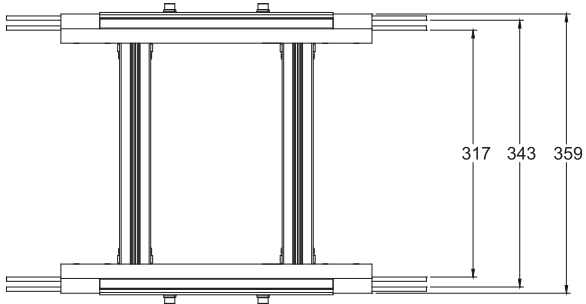
Item Code	Weight	Supply
MT2 BV 45R500	7.0 kg	1 unit

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU MT2 SERIES - COMPONENTS

### Belt Elongation Section MT2



- Must be used with straight belt (zero gap) & conveyor length more than 20m.
- Slide rail, connecting strip and set screw included.

Item Code	Weight	Supply
MT2 CSS 400	7.3 kg	1 unit

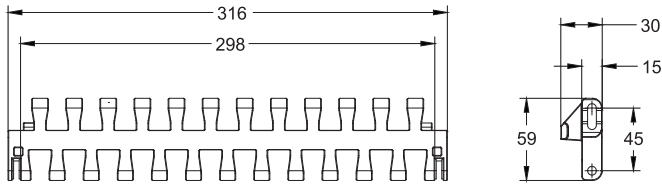
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



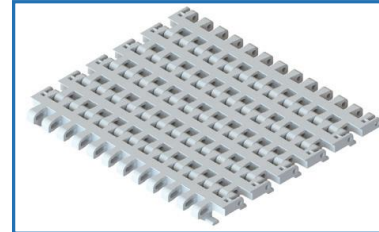
## MODU MT2 SERIES - BOTTOM TAB COMPONENTS

### Bottom Tab (BT) Belt MT2



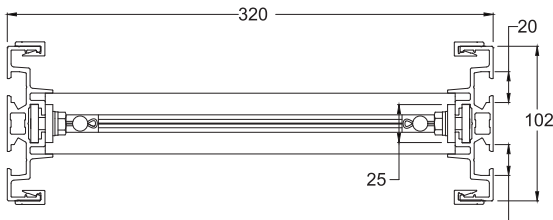
#### Plastic Plain Curve Belt (Bottom Tab)

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



Item Code	Material	Color	Weight	Supply
MT2 CP 5 BT	POM	White	19.0 kg/roll	5m/roll
MT2 CP 5 BT P	PP	White	13.5 kg/roll	5m/roll

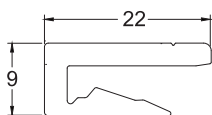
### Conveyor Beam (BT) MT2



Item Code	Weight	Supply
MT2 CB 3 BT	18.5 kg	3m / beam

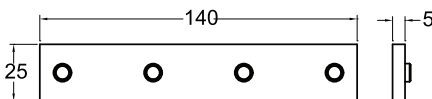
### Accessories MT2

#### Slide Rail



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

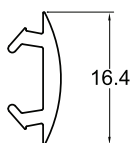
#### Connecting Strip



- 4 pcs M8 set screw included.

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

#### T-Slot Cover



Item Code	Material	Color	Weight	Supply
MB SC 25T	TPE	Grey	1.5 kg	25m/roll
MB SC 25P	PVC	Light Grey	1.3 kg	25m/roll

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

# MODU MT2 SERIES - BOTTOM TAB DRIVE & IDLER END

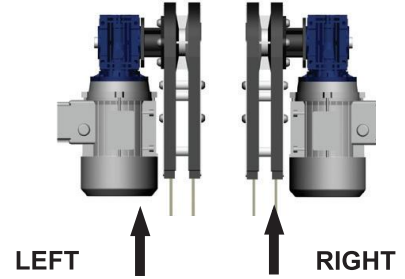
## Drive Units (BT) MT2

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

### Motor Orientation Guideline



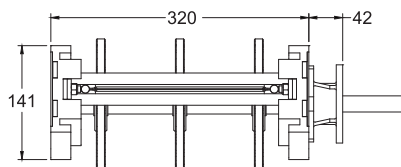
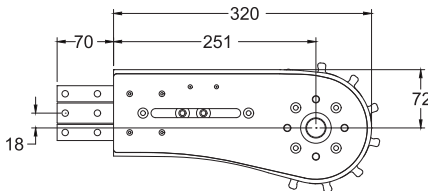
**MT2 DD L S47 BT**

Front direct drive unit, motor on left side for 0.55kW SEW geared motor, for Bottom Tab belt design.

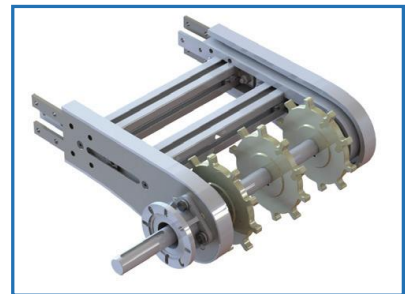
Example. Code for Basic unit;

**MT2 DD R S47 BT** => Front drive unit for bottom tab chain, motor on right side for SEW SA47 gearmotor .

## Front Drive Unit

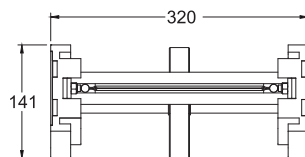
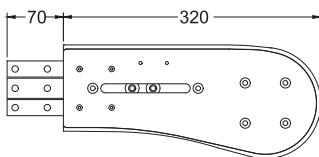


- Effective track length: 0.8m
- Traction force: 1500N
- Connecting strip and set screw included.
- Built in with CIS

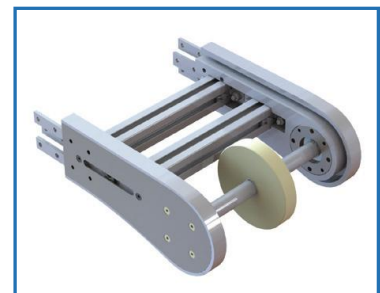


Item Code	Description	Weight	Supply
MT2 DD R/L S/T BT	Basic drive unit	9.4 kg	1 unit

## Idler Unit (BT) MT2



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



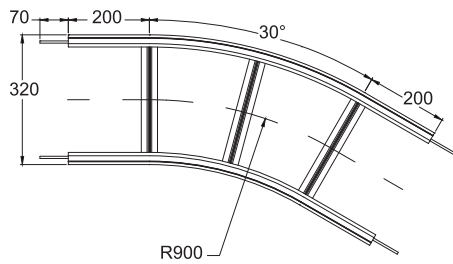
Item Code	Description	Weight	Supply
MT2 IE 320 BT	Basic idler unit	8.3 kg	1 unit

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU MT2 SERIES - BOTTOM TAB PLAIN BEND

### Horizontal Plain Bend (BT) MT2

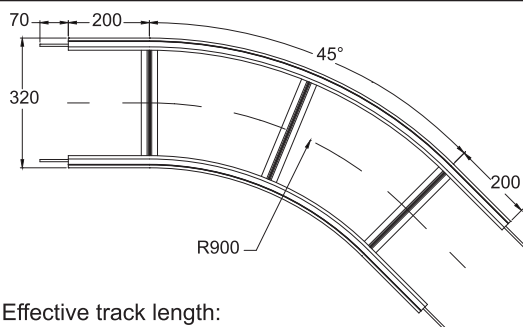


Effective track length:  
R900: 0.87m 1-way (1.74m 2-way)

#### Horizontal Plain Bend, 30°

Item Code	Radius (R)	Weight	Supply
MT2 BP 30R900 BT	900 mm	7.2 kg	1 unit

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

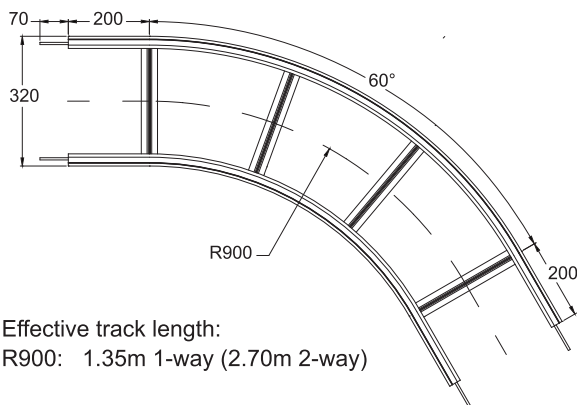


Effective track length:  
R900: 1.11m 1-way (2.22m 2-way)

#### Horizontal Plain Bend, 45°

Item Code	Radius (R)	Weight	Supply
MT2 BP 45R900 BT	900 mm	8.3 kg	1 unit

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

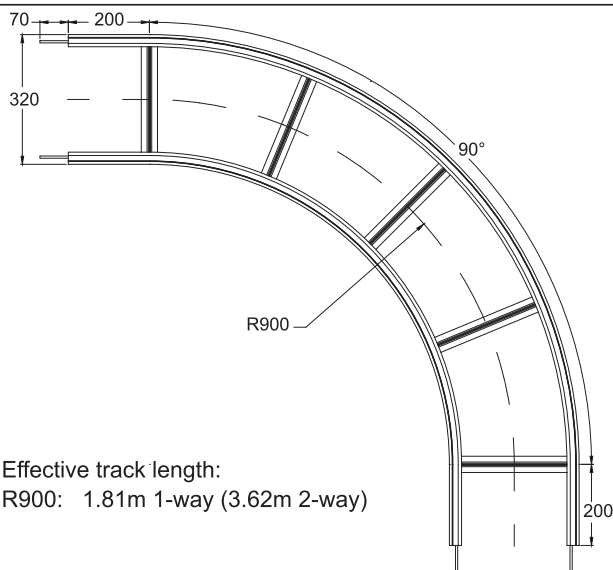


Effective track length:  
R900: 1.35m 1-way (2.70m 2-way)

#### Horizontal Plain Bend, 60°

Item Code	Radius (R)	Weight	Supply
MT2 BP 60R900 BT	900 mm	10.2 kg	1 unit

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



Effective track length:  
R900: 1.81m 1-way (3.62m 2-way)

#### Horizontal Plain Bend, 90°

Item Code	Radius (R)	Weight	Supply
MT2 BP 90R900 BT	900 mm	14.2 kg	1 unit

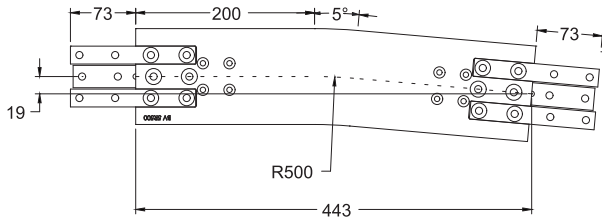
Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10\text{mm}$   
- Connecting strip and set screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

## MODU MT2 SERIES - BOTTOM TAB VERTICAL BEND

### Vertical Bend (BT) MT2



#### Vertical Bend, 5°

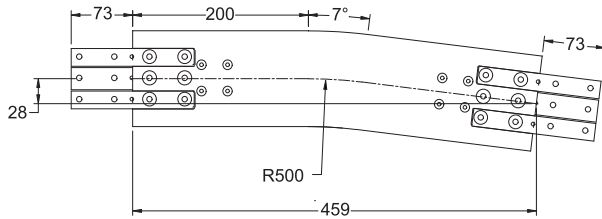
Effective track length:

R500: 0.44m 1-way (0.88m 2-way)

- Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm

- Connecting strip and set screw included.

Item Code	Weight	Supply
MT2 BV 5R500 BT	5.6 kg	1 unit



#### Vertical Bend, 7°

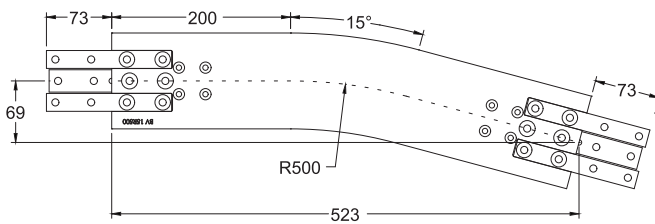
Effective track length:

R500: 0.46m 1-way (0.92m 2-way)

- Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm

- Connecting strip and set screw included.

Item Code	Weight	Supply
MT2 BV 7R500 BT	5.9 kg	1 unit



#### Vertical Bend, 15°

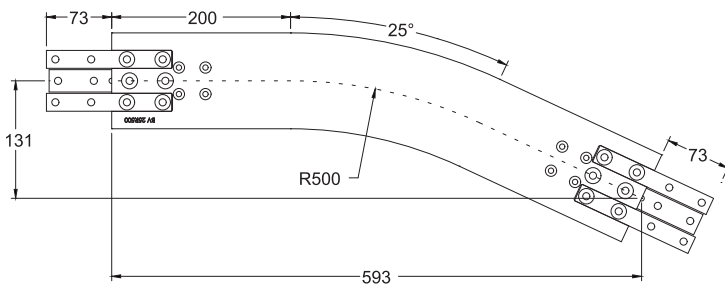
Effective track length:

R500: 0.53m 1-way (1.06m 2-way)

- Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm

- Connecting strip and set screw included.

Item Code	Weight	Supply
MT2 BV 15R500 BT	6.2 kg	1 unit



#### Vertical Bend, 25°

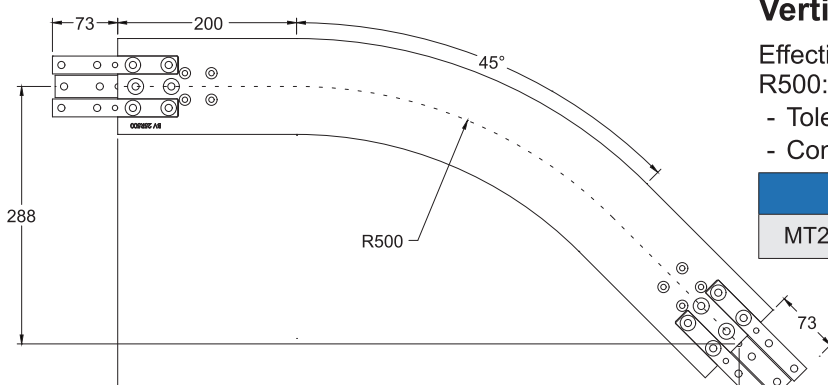
Effective track length:

R500: 0.62m 1-way (1.24m 2-way)

- Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm

- Connecting strip and set screw included.

Item Code	Weight	Supply
MT2 BV 25R500 BT	6.8 kg	1 unit



#### Vertical Bend, 45°

Effective track length:

R500: 0.84m 1-way (1.68m 2-way)

- Tolerance:  $\pm 2^\circ$  & Radius:  $\pm 10$ mm

- Connecting strip and set screw included.

Item Code	Weight	Supply
MT2 BV 45R500 BT	7.0 kg	1 unit

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)