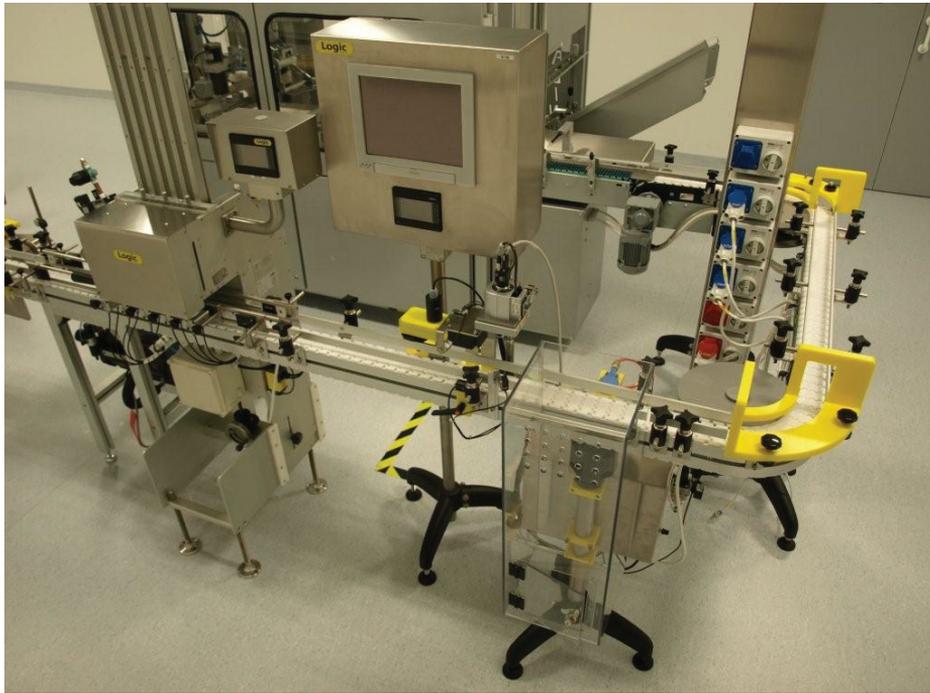


Conveyor System MS2



Description

63mm width thermoplastic chain with aluminium frame conveyor system. Also available with stainless steel frame, please refer section DS2.

Examples of application industries

Personal Products, Pharmaceutical & Chemical Industry, Automotive & Machined Parts Industry, Food & Packaging Industry, Electrical & Electronic Industry, Paper Converting Industry and Optical Industry

Technical characteristics

Chain Width		63 mm
Chain Pitch		25.4 mm
Chain Weight		0.8 kg/m
Chain Maximum Working Tension		600 N
Max Product Weight*	Horizontal Transport	15 kg
	Vertical Transport	10 kg
Total Load*		200 Kg
Working Temperature*		-10°C to 60°C
Max Conveyor Length*		30m
Max Speed*		50 m/min
Drive Unit Capacity		600 N
Item Width*		15-140 mm

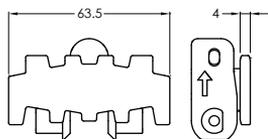
* Actual limit may vary according to conveyor layout and application.



Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Chains MS2

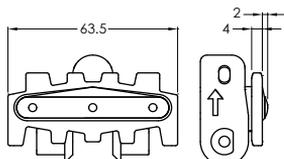


Plain Chain

- Suitable for conveyor configuration with incline/decline up to 5°.
- Accumulation possible.



Item Code	Material	Colour	Weight	Supply
MS2 CP 5	POM	White	4.0 kg/roll	5m/roll
MS2 CP 5A	Anti-Static	Black	4.0 kg/roll	5m/roll
MS2 CP 5K	POM-Kevlar	Yellow	6.0 kg/roll	5m/roll

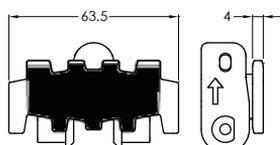


Friction Chain

- Suitable for conveyor configuration with incline/decline up to 25°.
- Friction material : TPU (grey).
- Accumulation not possible.



Item Code	Material	Colour	Weight	Supply
MS2 CF 5	POM	White	4.5 kg/roll	5m/roll
MS2 CF 5A	Anti-Static	Black	4.5 kg/roll	5m/roll
MS2 CF 5K	POM-Kevlar	Yellow	6.5 kg/roll	5m/roll

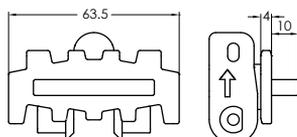


Flocked Chain

- Suitable for scratch sensitive material.
- Flock colour : Black
- Accumulation possible for light product only.
- Sticker type only

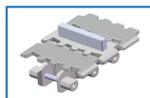


Item Code	Material	Colour	Weight	Supply
MS2 CL 5	POM	White	4.2 kg/roll	5m/roll



Cleated Chain - Machined PE Cleated

- Required for vertical or steeply inclined / declined conveyor.
- Accumulation not possible.
- Not suitable to be use with Combined and Catenary Drive.
- Please specify pitch between cleat for ordering (eg. MS2 CC 3x10P 3p = Every 3rd link to be cleated).
- **Please consult MODU representative for actual chain weight.



* Other cleated height are available upon request.

Item Code	Material	Colour	Weight	Supply
MS2 CC 3	POM	White	** kg/roll	3m/roll

Chain Accessories MS2

Lubricant For Chain



Silicone-based lubricant,
400ml

Item Code	Weight	Supply
MA SL	0.35 kg	1 pc

Stainless Steel Pin



Item Code	Weight	Supply
MS2 PN M4x37	0.07 kg	10 pcs/pkt

Chain Pivot



Item Code	Weight	Supply
MS2 PV	0.01 kg	10 pcs/pkt

Chain Pin Insertion Tool



Chain pin insertion tool
shown without attachment
& specific drive pin

Item Code	Weight	Supply
TR CP 1	1.2 kg	1 pc

Attachment For Chain Tool



Chain attachment & drive pin

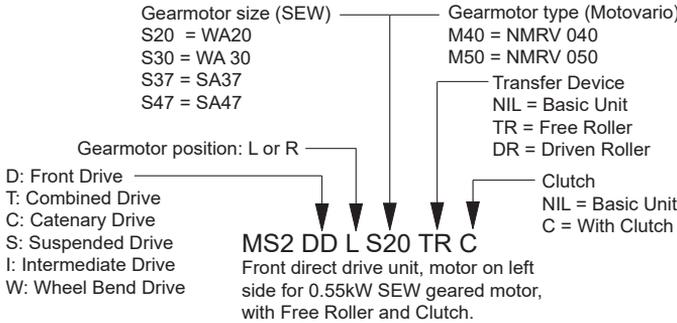
Item Code	Weight	Supply
MS2 AC	0.2 kg	1 set

Please consult MODU representative for further information and assistance.

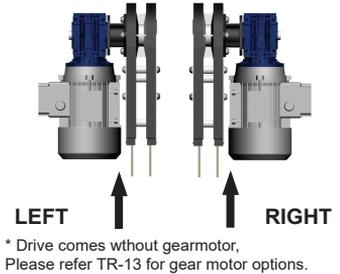
Units: Dimension (mm)

Drive Units MS2

Item Code Guideline For Drive Units



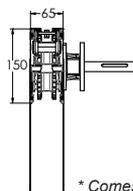
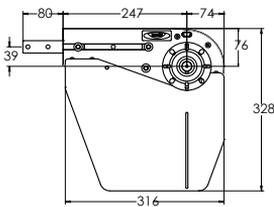
Motor Orientation Guideline



eg. Code for Basic unit; MS2 DT R M50 => Combined drive unit, motor on right side for Motovario NMRV 050 geared motor.

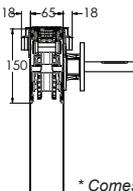
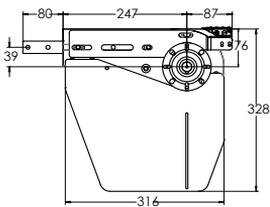
Front Drive Unit

Basic Front Drive



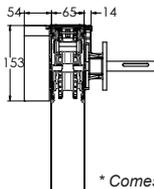
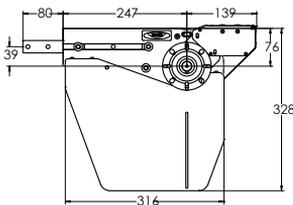
* Comes without Safety Cover

Front Drive with Free Roller

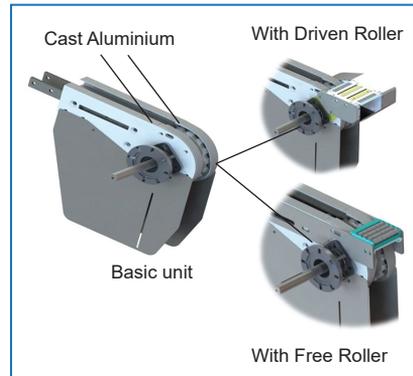


* Comes without Safety Cover

Front Drive with Driven Roller



* Comes without Safety Cover



- Driven Roller speed is approximately 10% higher than conveyor speed.

Item Code	Weight	Supply
MS2 DD2 R/L S/M Basic drive unit	3.0 kg	1 unit
MS2 DD2 R/L S/M TR With transfer roller	4.0 kg	1 unit
MS2 DD2 R/L S/M DR With driven roller	5.3 kg	1 unit

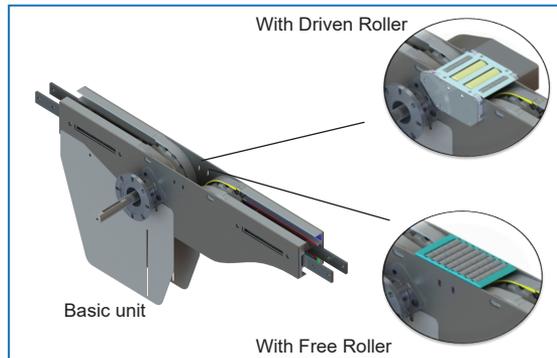
- Effective track length: 0.80m
- Traction force: 600N
- Connecting strip and set screw included.
- Note:
- Safety Cover comes as an option.
- Recommended maximum chain elongation is 328mm from top conveyor to chain slack.
- Refer TR15 for chain effective track length calculation.
- Cleated Chain is not possible to use on drive with Free Roller or Driven Roller.

Please consult MODU representative for further information and assistance.

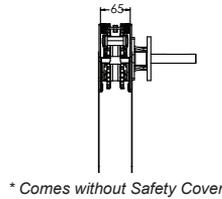
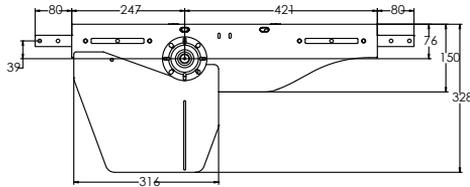
Units: Dimension (mm)

Drive Units MS2 (Continued)

Combined Drive Unit

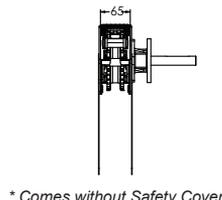
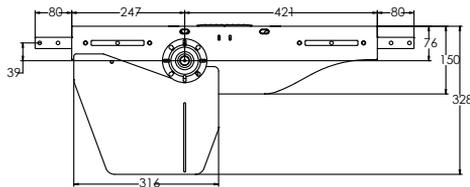


Basic Combined Drive



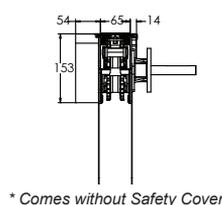
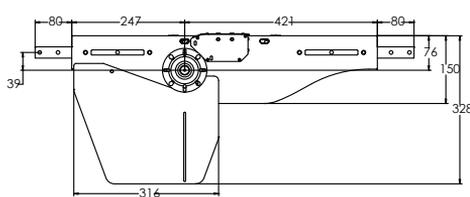
* Comes without Safety Cover

Combined Drive with Free Roller



* Comes without Safety Cover

Combined Drive with Driven Roller



* Comes without Safety Cover

- Driven Roller speed is approximately 10% higher than conveyor speed.

Item Code	Weight	Supply
MS2 DT2 R/L S/M Basic drive unit	8.9 kg	1 unit
MS2 DT2 R/L S/M TR With transfer roller	9.1 kg	1 unit
MS2 DT2 R/L S/M DR With driven roller	10.4 kg	1 unit

Effective track length: 1.32m

Traction force: 600N

- Connecting strip and set screw included.

Note:

- Safety Cover comes as an option.

- Recommended maximum chain elongation is 328mm from top conveyor to chain slack.

- Refer TR15 for chain effective track length calculation.

- Cleated Chain is not possible to use on this drive.

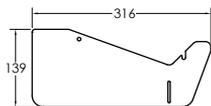
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Units MS2 (Continued)

Safety Cover for Direct Drive and Combined Drive (Option)

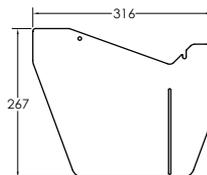
Short Safety Cover



- Material : Stainless Steel

Item Code	Weight	Supply
SC2 139	0.8 kg	2 pcs/set

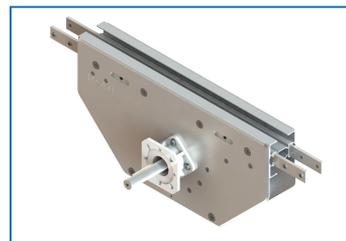
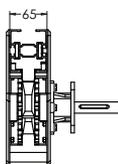
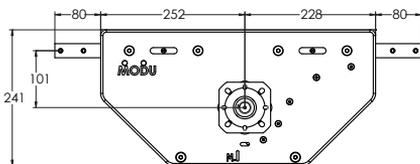
Normal Safety Cover



- Material : Stainless Steel

Item Code	Weight	Supply
SC2 267	1.4 kg	2 pcs/set

Intermediate Drive Unit



Item Code	Weight	Supply
MS2 DI2 R/L S/M	13.0 kg	1 unit

Effective track length: 1.2m

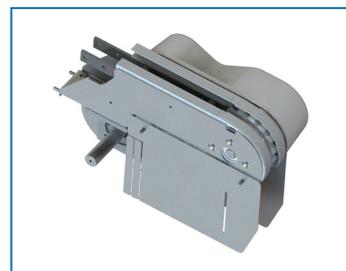
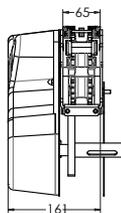
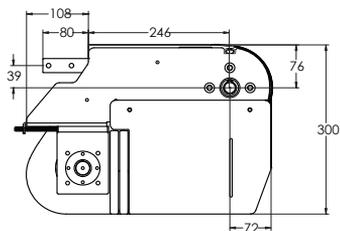
Traction force: 100N

- Connecting strip and set screw included.

Note:

- Refer TR15 for chain effective track length calculation.

Suspended Drive Unit



Item Code	Weight	Supply
MS2 DS2 R/L S/M Without Clutch	14.5 kg	1 unit
MS2 DT2 R/L S/M C With Clutch	15.5 kg	1 unit

Effective track length: 0.8m

Traction force: 600N

- Connecting strip and set screw included.

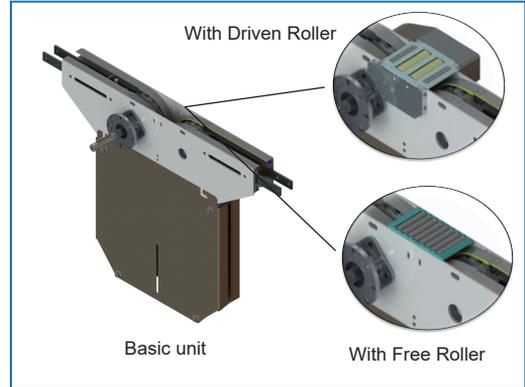
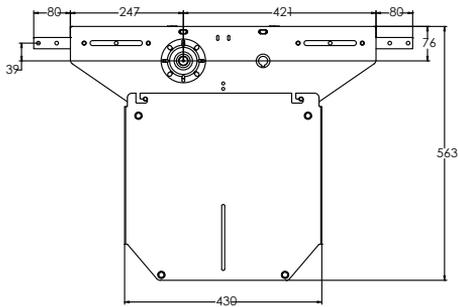
Note:

- Refer TR15 for chain effective track length calculation.

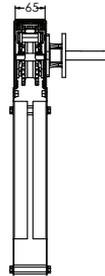
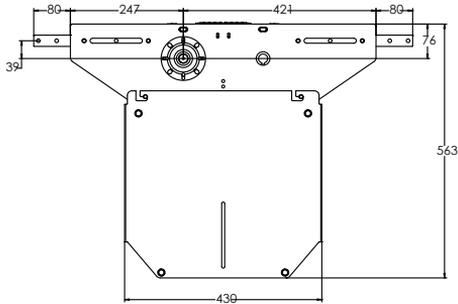
Drive Units MS2 (Continued)

Catenary Drive Unit

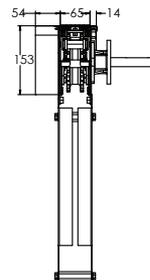
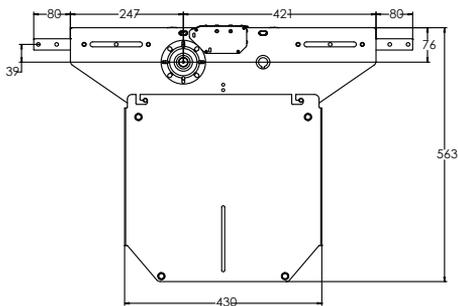
Basic Catenary Drive



Catenary Drive with Free Roller



Catenary Drive with Driven Roller



- Driven Roller speed is approximately 10% higher than conveyor speed.

Item Code	Weight	Supply
MS2 DC2 R/L S/M Basic drive unit	15.5 kg	1 unit
MS2 DC2 R/L S/M TR With transfer roller	15.7 kg	1 unit
MS2 DC2 R/L S/M DR With driven roller	17.0 kg	1 unit

Effective track length: 1.8m

Traction force: 600N

- Connecting strip and set screw included.

Note:

- For top running chain.

- Refer TR15 for chain effective track length calculation.

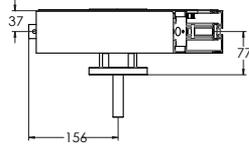
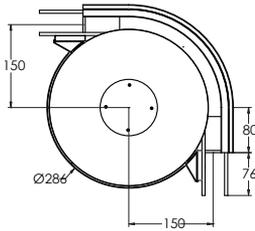
- Cleated Chain is not possible to use on this drive.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Units MS2 (Continued)

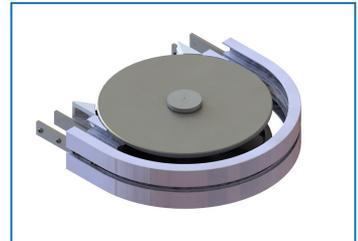
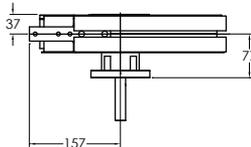
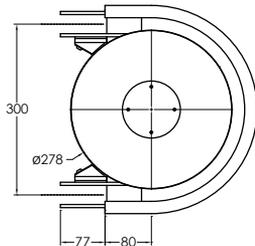
90° Wheel Bend Drive Unit



Item Code	Weight	Supply
MS2 DW2 90R150 S/M	6.0 kg	1 unit

Effective track length: 0.4m
Traction force: 100N
- Connecting strip and set screw included.

180° Wheel Bend Drive Unit

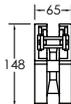
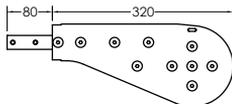


Item Code	Weight	Supply
MS2 DW2 180R150 S/M	7.0 kg	1 unit

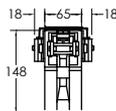
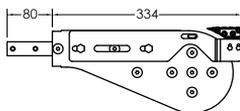
Effective track length: 0.63M
Traction force: 100N
- Connecting strip and set screw included.

Idler End

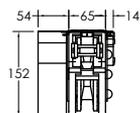
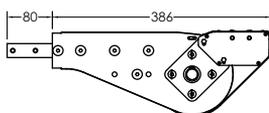
Basic Idler End



Idler End with Free Roller



Idler End with Driven Roller *(Right)



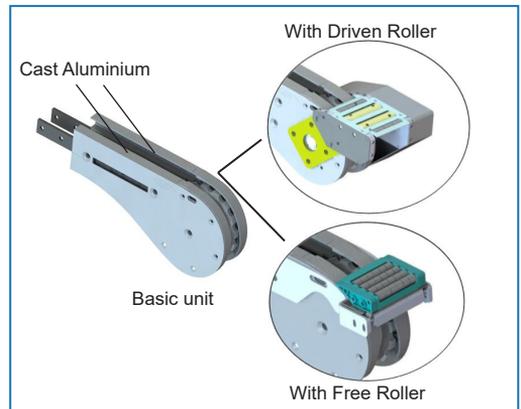
- Driven Roller speed is approximately 10% higher than conveyor speed.

Effective track length: 0.8m

- Connecting strip and set screw included.

Note:

- Cleated Chain not suitable for Driven Roller & Free Roller.

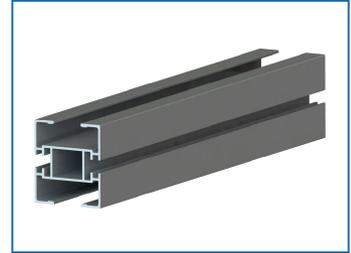
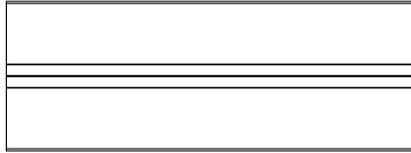
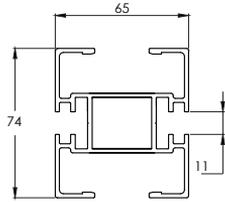


Item Code	Weight	Supply
MS2 IE2 320 Basic drive unit	3.0 kg	1 unit
MS2 IE2 320 TR With transfer roller	3.2 kg	1 unit
MS2 IE2 320 DR With driven roller	4.5 kg	1 unit

Please consult MODU representative for further information and assistance.

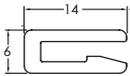
Units: Dimension (mm)

Conveyor Beam MS2



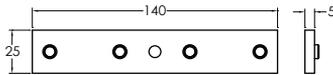
Item Code	Weight	Supply
MS2 HB 3	6.1 kg	3m

Accessories MS2



Slide Rail

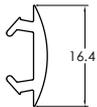
Item Code	Material	Colour	Weight	Supply
MS SR 25	HDPE	Pure White	1.2 kg/roll	25m/roll
MS SR 25A	Anti-Static	Grey	1.2 kg/roll	25m/roll
MS SR 25U	UHMW-PE	Semi-Transparent White	2.7 kg/roll	25m/roll
MS SR 25P	PVDF	Natural White	2.7 kg/roll	25m/roll



Connecting Strip

Item Code	Weight	Supply
MA CS 25x140	1.5 kg	10 pcs/pkt

- 4 pcs M8 set screw included.



T-Slot Cover

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



Rivets

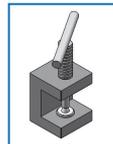
Item Code	Weight	Supply
MA RR 3	0.02 kg	50 pcs/pkt

Material: Aluminium



Slide Rail Cutter

Item Code	Weight	Supply
MA SC	0.5 kg	1 pc



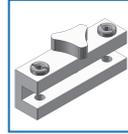
Rivet Crimping

Item Code	Weight	Supply
MA RC	0.13 kg	1 pc



Slide Rail Mounting Tool

Item Code	Weight	Supply
MS2 SRA	0.4 kg	1 pc



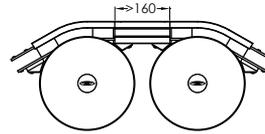
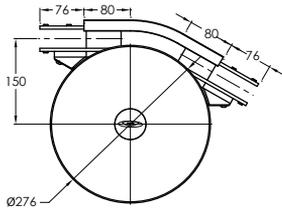
Slide Rail Drill Fixture

Item Code	Weight	Supply
MA SRF	0.24 kg	1 pc

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Horizontal Wheel Bends MS2

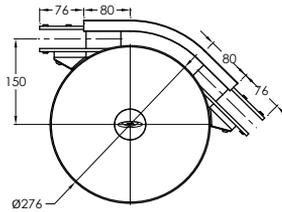


Minimum straight section for all wheel bend connection.

Wheel Bend, 30°

Item Code	Weight	Supply
MS2 BW2 30R150	5.6 kg	1 set

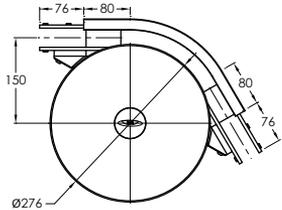
Effective track length:
0.24m 1-way (0.48 m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and set screw included.



Wheel Bend, 45°

Item Code	Weight	Supply
MS2 BW2 45R150	5.7 kg	1 set

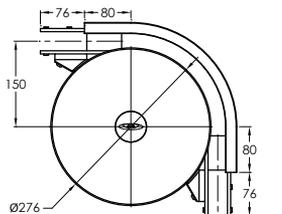
Effective track length:
0.28m 1-way (0.56m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and set screw included.



Wheel Bend, 60°

Item Code	Weight	Supply
MS2 BW2 60R150	5.7 kg	1 set

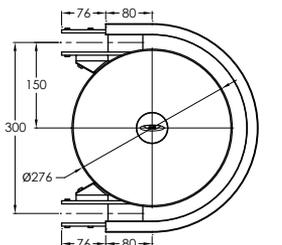
Effective track length:
0.31m 1-way (0.62 m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and set screw included.



Wheel Bend, 90°

Item Code	Weight	Supply
MS2 BW2 90R150	5.8 kg	1 set

Effective track length:
0.4m 1-way (0.8m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and set screw included.



Wheel Bend, 180°

Item Code	Weight	Supply
MS2 BW2 180R150	5.9 kg	1 set

Effective track length:
0.63m 1-way (1.26 m 2-way).
Tolerance: $\pm 2^\circ$
- Connecting strip and set screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

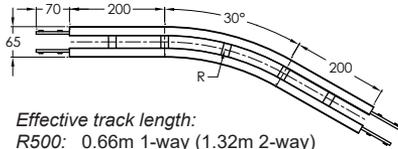
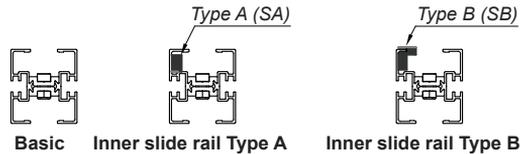
Horizontal Plain Bends MS2

Plain bends comes with options for optimum usage

-Plain bend basic Unit.

-Plain bend with inner slide rail Type A (SA), Material = PE.

-Plain bend with inner slide rail Type B (SB), Material = Nylon.



Effective track length:

R500: 0.66m 1-way (1.32m 2-way)

R700: 0.77m 1-way (1.54m 2-way)

R1000: 0.92m 1-way (1.84m 2-way).

Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$

- Connecting strip and set screw included.

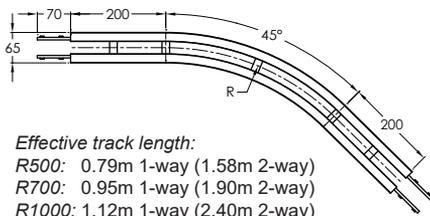
Horizontal Plain Bend, 30°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MS2 BP2 30R500	500 mm	1.8 kg	1 set
MS2 BP2 30R700	700 mm	2.1 kg	1 set
MS2 BP2 30R1000	1000 mm	2.4 kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MS2 BP2 30R500 SA	500 mm	2.0 kg	1 set
MS2 BP2 30R700 SA	700 mm	2.4 kg	1 set
MS2 BP2 30R1000 SA	1000 mm	2.9 kg	1 set



Effective track length:

R500: 0.79m 1-way (1.58m 2-way)

R700: 0.95m 1-way (1.90m 2-way)

R1000: 1.12m 1-way (2.40m 2-way)

Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$

- Connecting strip and set screw included.

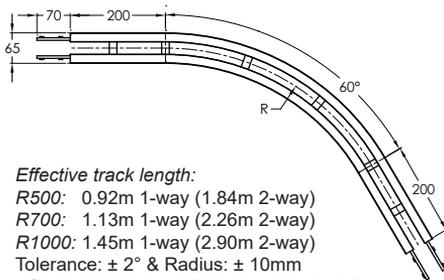
Horizontal Plain Bend, 45°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MS2 BP2 45R500	500 mm	2.1 kg	1 set
MS2 BP2 45R700	700 mm	2.4 kg	1 set
MS2 BP2 45R1000	1000 mm	2.8 kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MS2 BP2 45R500 SA	500 mm	2.5 kg	1 set
MS2 BP2 45R700 SA	700 mm	2.9 kg	1 set
MS2 BP2 45R1000 SA	1000 mm	3.3 kg	1 set



Effective track length:

R500: 0.92m 1-way (1.84m 2-way)

R700: 1.13m 1-way (2.26m 2-way)

R1000: 1.45m 1-way (2.90m 2-way)

Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$

- Connecting strip and set screw included.

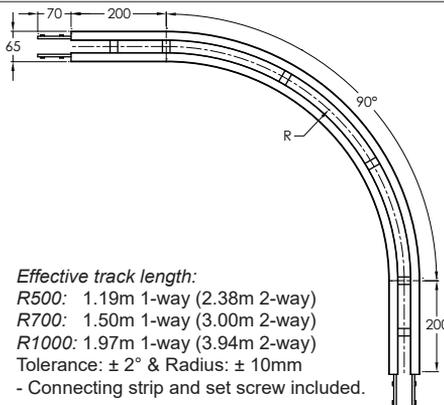
Horizontal Plain Bend, 60°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MS2 BP2 60R500	500 mm	2.4 kg	1 set
MS2 BP2 60R700	700 mm	2.8 kg	1 set
MS2 BP2 60R1000	1000 mm	3.4 kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MS2 BP2 60R500 SA	500 mm	2.7 kg	1 set
MS2 BP2 60R700 SA	700 mm	3.1 kg	1 set
MS2 BP2 60R1000 SA	1000 mm	3.9 kg	1 set



Effective track length:

R500: 1.19m 1-way (2.38m 2-way)

R700: 1.50m 1-way (3.00m 2-way)

R1000: 1.97m 1-way (3.94m 2-way)

Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$

- Connecting strip and set screw included.

Horizontal Plain Bend, 90°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MS2 BP2 90R500	500 mm	2.9 kg	1 set
MS2 BP2 90R700	700 mm	3.6 kg	1 set
MS2 BP2 90R1000	1000 mm	4.5 kg	1 set

With Inner Slide Rail

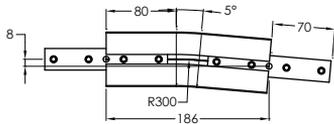
Item Code	R	Weight	Supply
MS2 BP2 90R500 SA	500 mm	3.3 kg	1 set
MS2 BP2 90R700 SA	700 mm	4.5 kg	1 set
MS2 BP2 90R1000 SA	1000 mm	5.2 kg	1 set

* Please refer MODU representative for Inner Slide Rail Type B

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

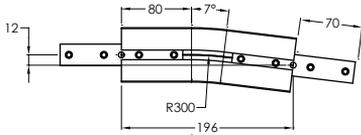
Vertical Bends MS2



Vertical Bend, 5°

Item Code	Weight	Supply
MS2 BV2 5R300	1.0 kg	1 set

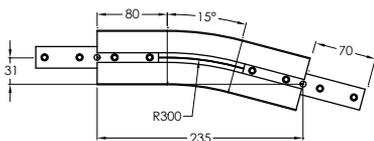
Effective track length:
 R300: 0.19m 1-way (0.38m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 7°

Item Code	Weight	Supply
MS2 BV2 7R300	1.0 kg	1 set

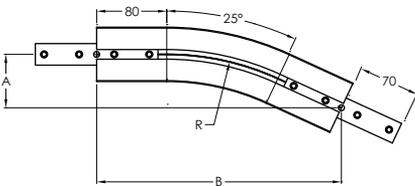
Effective track length:
 R300: 0.20m 1-way (0.40m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 15°

Item Code	Weight	Supply
MS2 BV2 15R300	1.0 kg	1 set

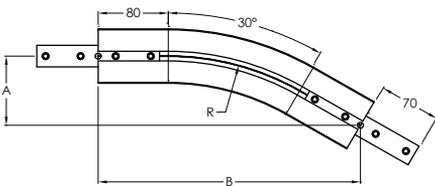
Effective track length:
 R300: 0.24m 1-way (0.48m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 25°

Item Code	R	A	B	Weight	Supply
MS2 BV2 25R300	300 mm	62 mm	279 mm	1.1 kg	1 set
MS2 BV2 25R1000	1000 mm	128 mm	575 mm	2.0 kg	1 set

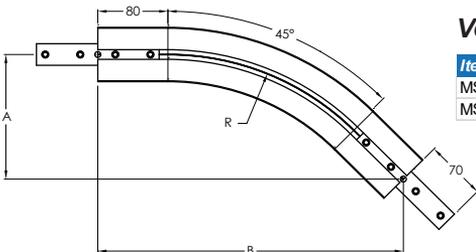
Effective track length:
 R300: 0.29m 1-way (0.58m 2-way)
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 30°

Item Code	R	A	B	Weight	Supply
MS2 BV2 30R300	300 mm	80 mm	299 mm	1.3 kg	1 set
MS2 BV2 30R1000	1000 mm	174 mm	649 mm	2.5 kg	1 set

Effective track length:
 R300: 0.32m 1-way (0.64m 2-way)
 R1000: 0.68m 1-way (1.36m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 45°

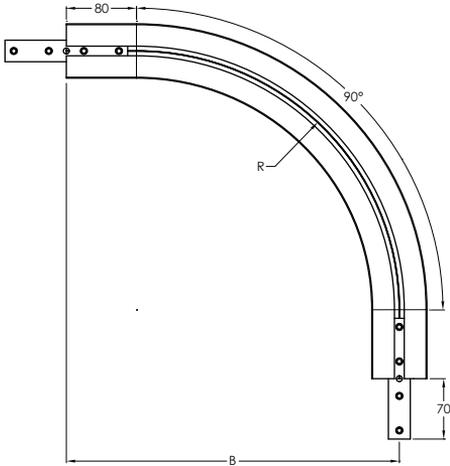
Item Code	R	A	B	Weight	Supply
MS2 BV2 45R300	300 mm	145 mm	349 mm	1.3 kg	1 set
MS2 BV2 45R1000	1000 mm	350 mm	844 mm	2.3 kg	1 set

Effective track length:
 R300: 0.40m 1-way (0.80m 2-way)
 R1000: 0.95m 1-way (1.90m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Vertical Bends MS2 (Continued)



Vertical Bend, 90°

Item Code	R	A	Weight	Supply
MS2 BV2 90R300	300 mm	380 mm	1.7 kg	1 set
MS2 BV2 90R1000	1000 mm	1080 mm	4.0 kg	1 set

Effective track length:

R300: 0.63m 1-way (1.26m 2-way)

R1000: 1.73m 1-way (3.46m 2-way)

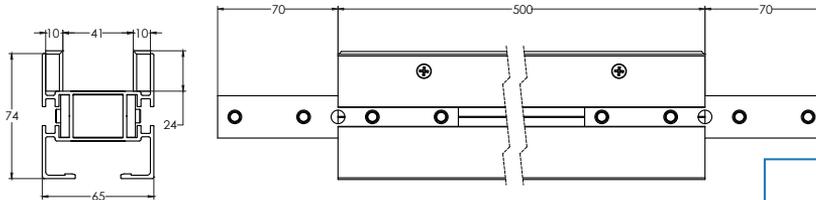
Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm

- Connecting strip and set screw included.

Notes:

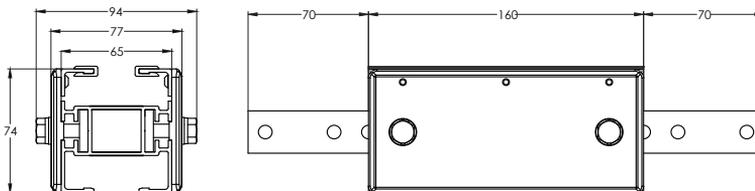
- Non-Standard Vertical Bend also available in PE and Stainless Steel with minimum radius of 300mm.

Beam Section For Chain Installation



Type A

Item Code	Weight	Supply
MS2 LU2 500	1.4 kg	1 set



Type B

Item Code	Weight	Supply
MS2 CIS2 160	1.3 kg	1 set

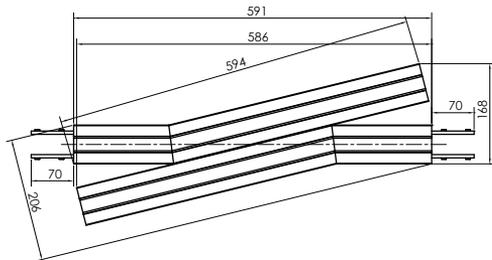
- Slide rail, connecting strip and set screw included.



Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Diagonal Beam



- A combination drive and idler unit used for smooth transferring of unstable products between conveyors.
- All available standard drives fit this unit. Please indicate the drive unit type when placing an order. Refer to page MS2-3 for drive unit order guidelines.

Item Code	Weight	Supply
MS2 DXD2	12.9 kg	1 set

- Drive and idler not included.
- Connecting strip and set screw included.

