



Version
15.0

MODU System

Product Catalogue

Solutions for every phase of your production line...



A Global Brand



the modular conveyor company

MODU M Series Conveyor

Thermoplastic Chain with Aluminium Frame Conveyor Systems

		<i>Page</i>
1.	Application Photos AP	AP-1 - AP-14
2.	Technical Reference TR	TR-1 - TR-20
3.	Conveyor System MS2	MS2-1 - MS2-13
4.	Conveyor System MM3	MM3-1 - MM3-16
5.	Conveyor System ML2	ML2-1 - ML2-13
6.	Conveyor System MX2	MX2-1 - MX2-10
7.	Conveyor System MO	MO-1 - MO-6
8.	Conveyor System MT	MT-1 - MT-6
10.	Conveyor Guide MG	MG-1 - MG-10
11.	Structural System MB	MB-1 - MB-11
12.	Conveyor Accessories MA	MA-1 - MA-8

MODU D Series Conveyor

Thermoplastic Chain with Stainless Steel Frame Conveyor Systems

		<i>Page</i>
1.	Conveyor System DS2	DS2-1 - DS2-9
2.	Conveyor System DM3	DM3-1 - DM3-15
3.	Conveyor System DL2	DL2-1 - DL2-10
4.	Conveyor System DX2	DX2-1 - DX2-9
5.	Conveyor Guide DG	DG-1 - DG-4
6.	Structural System DB	DB-1 - DB-4
7.	Conveyor Accessories DA	DA-1 - DA-3

Others

		<i>Page</i>
1.	Special Devices SD	SD-1 - SD-5
2.	Special Equipment SE	SE-1 - SE-4
3.	Tools TL	TL-1 - TL-3

© Copyright MODU System 2015

The contents of this catalogue are the copyright of MODU System and may not be reproduced without written permission from the company. Every care has been taken to ensure the accuracy of the information contained in this catalogue but however, no liability can be accepted for any errors or omissions. MODU System reserves the right to make changes at any time.

Patents

Essential parts of MODU System are protected by patents and design regulations.

Please consult MODU representative for further information and assistance.



ISO 9001:2008 Certified
Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Food & Packaging Industry

Tea	Biscuits	Potato & Corn Crisp
Cereal	Glass Bottles	Chocolate Powder
Metal Cans	Soft Drinks	Yoghurt
Paper Cans	Ice Cream	Milk Powder
Confectionery	Sugar	Instant Noodles
Margarine	Health Drinks	
Snack	Juices	

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL



Tea Bag Production Line



Packing Line for Teabags



Bottle Production Line Intergrated with Gripper Conveyor



Incline Friction Conveyor for Cartons



Cleated Conveyor for Biscuit Packaging



Puck Handling System for Fruits Sorting Line

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

**Personal Product, Pharmaceutical
& Chemical Industry**

Soap Bars

Body Lotions

Toothpaste

Health Supplements

Aerosols

Puck Handling

Sanitary Napkins

Powder & Liquid Detergent

Medical Dispensers

Eye Care Products

Shower Creams

Hair Care Products



Shampoo Depucking System



Vertical Gripper Conveyor



Conveyors for Puck Transfer



Conveyor for Personal Product



Bottles Production Lines



Conveyors for Dish Washing Liquid

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Electronic & Electrical Industry

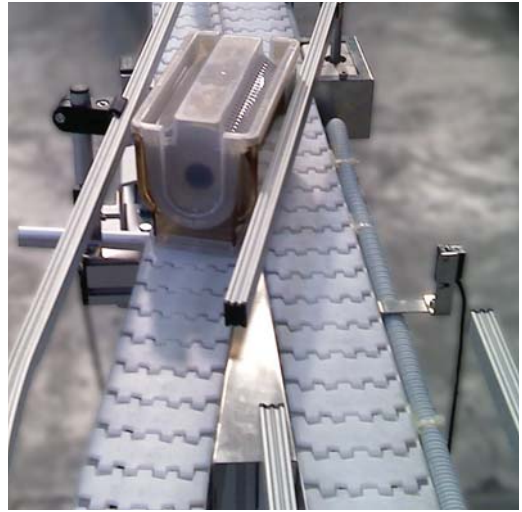
- Batteries
- Audios & Videos
- Mobile Phones
- Liquid Crystal Displays (LCD)

- Compact Disks
- Electronic Components
- Hard Disks-Substrates
- Solar Panels

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL



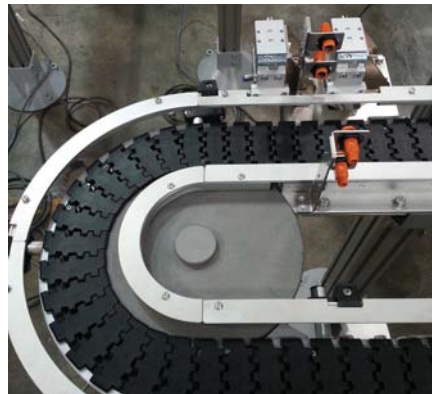
Conveyor Lines for Hard Disc



Hard Disc Substrate Production Line



Conveyor Lines for Part Assembling



Anti-Static Conveyor Chain



Conveyor Line for Multi Electronic Components

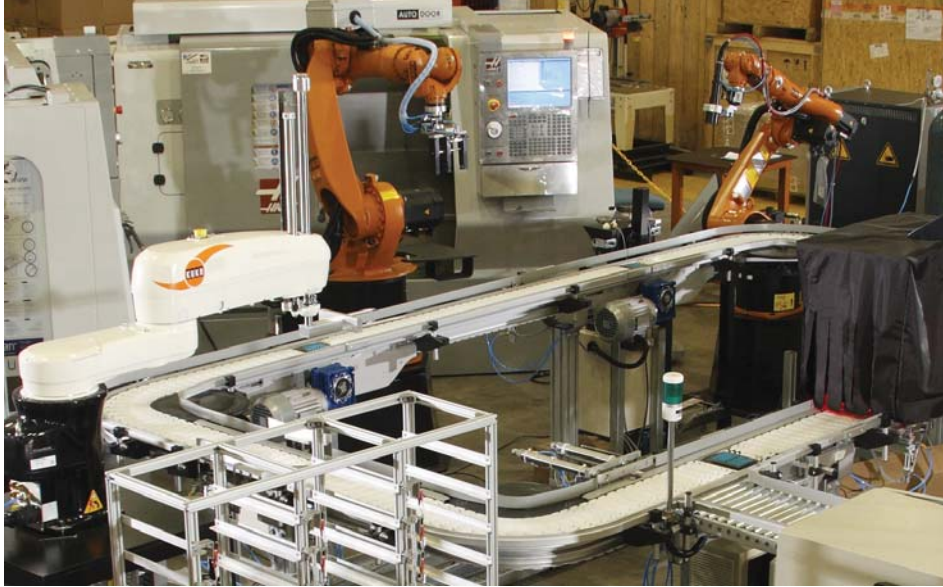
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Automotive & Machined Parts Industry

Air Conditioning Compressors
Gears
Door Winding Sets

Bearings-Hard Disk Casings
Oil Filters



Automotive Part Assembly



Conveyor System & Robotic Palletizing



Bearing Assembly Line



Automotive Oil Filter Line



Conveyor for Machined Part Assembly

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Paper Converting

Wrapped Bundles
Paper Towel

Wrapped Bags
Bathroom Tissues



Vertical Diverter & Conveyor System for Tissue Rolls



Gripper System for Towel Conveyor Line



Paper Converting Lines



Diapers Handling Conveyor



Kitchen Towel Line with Automated Side Guide Adjustment

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Optical Lens Industry

Spectacle Lens
Camera Lens

Binocular Lens
All kind of different type lenses



Friction Chain Decline up to 25°



Tray Distribution



Tray Conveyor



Multiple Optical Lane Tray Handling



Side Push Unit



Complete Distribution System

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Alpine & Storage System

The alpine conveyor system consists of multiple layers of conveyors that are stacked above each other. It is used for buffer processes, storage tower or as an accumulation and incline or decline to or from overhead transport system.



Alpine Conveyor for Puck Storage



Infeed Conveyor to Alpine Tower.



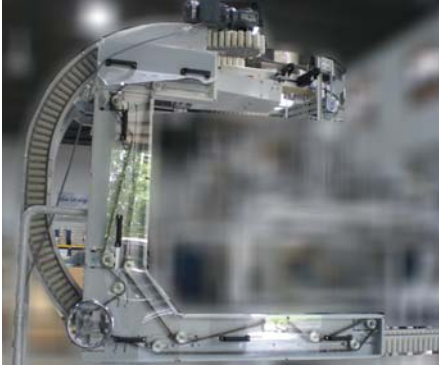
Stainless Steel Alpine Conveyor for Tin Can

- AP
- TR
- MS2
- MM3
- ML2
- MX2
- MO
- MT
- MG
- MB
- MA
- DS2
- DM3
- DL2
- DX2
- DG
- DB
- DA
- SD
- SE
- TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

**Gripper Elevator / Lowerator &
Related Machines**



C-Flow Gripper Used in Paper Converting Industry



Bottle Firmly Grip at Lowerator



Stainless Steel Gripper for Wet Environment



S-Flow Gripper Conveyor to Elevate Carton Boxes



Gripper Conveyor System Intergrated with Can Cleaner
to Remove Dust and Particles from Can.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Accumulation Conveyor

Accumulation conveyor provides large storage capacity. The accumulator stores products to create mass buffering to accommodate other processes.



Complete Accumulator for Composite Can



Accumulator Conveyor for Bottling Line



Bi-directional Accumulation Table

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Stainless Steel Conveyor System



Food Processing Line



Stainless Steel Conveyor System



MODU DL Spiral Conveyor for Elevation.



Stainless Steel Conveyor for Wet Environment



Conveyor Handling Frozen Food

Composite Can Handling

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL



Gripper Type Composite Can Cleaner



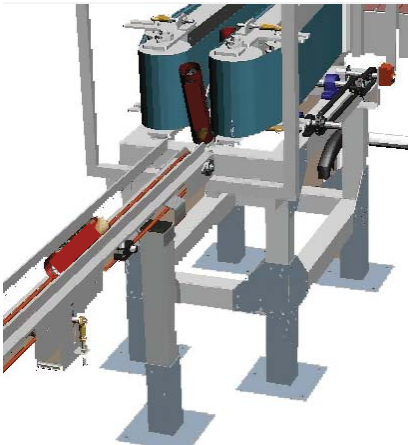
Composite Can Cleaner



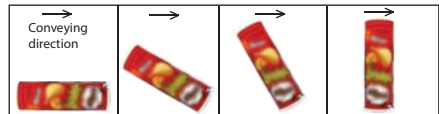
Complete Accumulator For Composite Can



Combined Polycord with Upender.



Upender Simulation



Upender Simulation

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Carton Handling



Food Processing Line



Friction Incline Conveyor



Continuous Carton Elevator



Pneumatic Traffic Controller for Merging



Roller Top Conveyor for Carton Accumulation



Gripper Conveyor for Carton Elevation

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Puck Handling



Puck Handling Line for Shampoo



Puck Handling Conveyor



Alpine Conveyor for Puck Storage



Vision Inspection System for Puck

- AP
- TR
- MS2
- MM3
- ML2
- MX2
- MO
- MT
- MG
- MB
- MA
- DS2
- DM3
- DL2
- DX2
- DG
- DB
- DA
- SD
- SE
- TL

Meat Processing



Multi Lane Conveyor System



Stainless Steel Friction Incline Conveyor



Multiple Merging Conveyor



Conveyor for Packed Meat



Checkweigher Intergrated with Conveying System



Friction Conveyor for Elevating Plastic Container

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Technical Reference TR

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

The Basic MODU Conveyor System

Straight Conveyor

MODU System M Series Conveyor System is based on aluminium profiled beam, ranging from 65mm to 350mm width, guiding a plastic chain. This plastic chain travels on low-friction plastic extruded slide rails. The products that are to be conveyed ride directly on the chain, or on pallets depending on application. Guide rails on the sides of the conveyor make sure that the products stay on track. Optional drip trays can be provided under the conveyor track in certain cases where the floor can be kept free from waste fluids.

Drive Units & Idler Ends

There are various types of drive units that are available to move the conveyor chain as mentioned below:

- *End Drive Units* pull the chain from one end of the conveyor. The chain returns on the bottom of the conveyor beam, passing through an idler end at the other end.
- *Intermediate Drive Units* are located at an intermediate point of the conveyor, having an idler end at both ends of the conveyor.
- *Catenary Drive Units* are used in applications where chain running on the bottom track is either not desired or not possible. e.g.: closed loop conveyor.
- *Combined Drive Units* are those that have a drive unit and an idler end together in one unit. This is used in areas where transfer from drive unit of one conveyor to another of the same size is required. The transfer area is provided with either gravity transfer rollers or powered transfer rollers depending on product type and length.
- *Suspended Drive Units* are used when a number of parallel conveyors are placed together. It is used when space becomes a limitation.
- *Horizontal Wheel Bend Drive Units* are suitable for endless conveyor without a return chain.

Bends

MODU System provides horizontal and vertical bends to cover many applications

- *Horizontal Wheel Bend* – The bend force is taken by a free wheel which lower and greatly reduces chain pull. The wheel bend is much compact than plain bends. Wheel bend are recommended whenever possible.
- *Horizontal Plain Bend* – For larger radius, horizontal plain bend is used as an alternative.
- *Vertical Bend* – To achieve a change of direction in the vertical direction.

Guides

Guides are provided along the conveyor in order to hold the products in position while in motion. The guide rails keep the products from falling off from both sides of the conveyor, whereas the guide rail brackets hold these guide rails in position.

Support

The various components for conveyor support are as follows:

- Support Feet – aluminium, mild steel support feet or foot caps.
- Support Beams – aluminium extruded profile in 40x40mm and 80x80mm
- Beam Support Brackets – to connect conveyor beam to support beam

Technical Reference TR

Basic System Selection

MODU System provides six diverse plastic chain conveyor systems. All conveyor systems can be effortlessly assembled with standard tools. To select the right conveyor size for your application, consider the following:

- Product Dimensions – A product can have a width which is two to three times the width of the chain, provided the centre of gravity is located at the centre of the product. For this kind of application, extra supporting guide rails will be required and also proper testing is recommended.
- Product Weight - The product weight plays an important role in the selection of chain size since each chain has a different value for its maximum traction force. Traction force calculation is required when there are several heavy products are to be conveyed, and the traction force will be increased further if the products are accumulated on the conveyor.
- Conveyor Functions Available – Most of the conveyor functions are available in all the six conveyor sizes (MS, MM, ML, MX, MO and MT). But there are differences with regard to the chain types, drive unit and idler unit variants.
- Floor Space Available – Depending on the available floor space, there will be a requirement for the smallest conveyor possible.
- Compatibility With Other Machines – In certain applications, interfacing and integrating with other automation equipments can be made much easier by using one of the MODU System Conveyor system sizes rather than other sizes.

D Series Conveyor

MODU System's stainless steel conveyor system comprises of distinct DS2, DM3, DL2 and DX2 streamlines assembly and installation time, which allows rapid and relaxed line modifications. MODU stainless steel conveyors can function easily at high speeds without lubrication.

Our Conveyor's modular design comprehends trouble-free line configurations, site installation and maintenance making them cost effective and simple to use.

It is designed to run standard MODU System chain widths 63 mm (MS2), 83 mm (MM3), 140 mm (ML2) and 225 mm (MX2). Just as the aluminium frame conveyors, the stainless steel conveyor offers multi-flex capability. From drive unit to idler end unit, these conveyors frame are built 100% from stainless steel, in order to meet the most stringent demands of customers.

The D Series conveyors are designed with similar concept as M Series conveyor, they are easy to install & reconfigure, flexible and reliable for your daily operation in production floor.

The four types of stainless steel conveyors available are suitable for a wide range of applications:

- Applications in the food processing industry, where aggressive cleaning agents must be used for hygiene reasons
- Applications in the pharmaceutical industry, where hygiene is extremely important
- Applications in the cosmetics industry
- Applications in industries where cleanliness and quick and easy cleaning is essential.

Benefit of our D series

- Minimum dust accumulation thus easy to be clean.
- Low noise level and low power consumption.
- Able to be integrate with other application and device such as sensors and diverters.
- Flexible to install and match with site arrangement layout.

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Materials

Material	Components
Acetal Copolymer, POM (PolyOxyMethylene)	Conveyor Chain
Acetal Copolymer, POM PERMASTAT (PolyOxyMethylene)	Conveyor Chain, Anti -static
Acetal Homopolymer Delrin, Kevlar fiber reinforced	Conveyor Chain, Kevlar
Polypropylene, PP	Conveyor Chain
	Chain guards
	Wheel cap
	End caps
Aluminium, extruded & anodised AA 6063-T6 (All Straight Sections) AA 6063-T5 (Bend Sections)	Angle Brackets
	Beam Support Brackets
	Conveyor Beam
	Vertical Bends
	Guide Rail
	Guide Rail Distance Tube
	Support Beam
	Drive/Idler Side Plate (ML2)
	Drip Tray
Polyethylene, PE 500 (HDPE)	Vertical Bend (special case)
Polyamide injection, PA 6	Pivot for Chain
Polyamide, glass fibre reinforced, PA 6 GF30%	Guide Rail Bracket
	Guide Rail Support
	Drive/Idler Side Plate (MS2 & MM3)
	Wheel Bend Wheel
	Drive Sprocket
	Idler Roller (MS2)
High Density Polyethylene, HDPE	Slide Rail
	Guide rail & Guide rail cover
Cast Nylon	Machining sprocket / roller (MM3,ML2 & MX2)
	Chain Return Guide
Thermoplastic Elastomer	
TPE 60A	Inserts for Friction Top Chain
	T-slot cover
	Inserts for Gripper Chain (Medium)
TPE 73A	Inserts for Gripper Chain (Hard)
TPE 50A	Inserts for Gripper Chain (Soft)
TPU	Inserts for Gripper Pad, Wedge Gripper
UHMW-PE	Slide Rail
PVDF	Slide Rail
Nylon	Inner Slide Rail for Plain Bend

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Resistance to chemicals:

MODU System components are basically can withstand continuous contact with most chemicals. However, it is recommended to avoid: Acids with pH lower than 4 & Bases with pH higher than 9.

The following table specifies the resistance of several materials used in the conveyor on selected chemicals, valid for temperature range up to the maximum of 60°C (150°F) and it is to be considered as guideline only. Furthermore, precautions should be taken when using cleaning agents. If you are in doubt on the materials to withstand your special environment, you should go for chemical test or contact our local dealer.

Material	Acetal resin	Polyamide	Hi-density polyethylene	Elastomer 70A	TPU	Aluminium
	POM	PA	HDPE			AL
Acids:						
Acetic acid	3	4	3	-	-	2
Benzoic acid	3	4	1	-	-	4
Citric acid	3	2	2	-	-	
Chromic acid	4	4	1	-	-	3
Hydrofluoric acid	4	4	1	-	-	4
Hydrochloric acid	4	4	1	-	-	3
Hydro cyanic acid	4	4	2	-	-	1
Nitric Acid	4	4	4	-	-	3
Phosphoric acid	4	4	1	-	-	3
Sulphuric acid	4	4	2	1	1	3
Tartaric acid	3	2	1	-	-	1
Basic compounds:						
Ammonia	1	2	1	-	-	2
Calcium hydroxide	1	2	1	-	-	4
Caustic soda	1	2	1	1	1	3
Potassium hydroxide	1	2	1	-	-	4
Salts:						
Potassium bicarbonate	2	2	2	-	-	1
Potassium permanganate	2	4	2	-	-	1
Sodium cyanic	2	2	2	-	-	4
Acid salts	2	3	1	-	-	-
Basic salts	1	2	1	-	-	-
Neutral salts	1	2	1	-	-	-
Gases:						
Carbon dioxide	3	1	1	-	-	1
Carbon monoxide	2	1	1	-	-	1
Chlorine	2	4	3	-	-	1
Hydrogen sulphide	3	1	2	-	-	1
Sulphur dioxide	2	3	-	-	-	1
Organic compounds & solvents						
Acetone	1	1	4	3	3	1
Benzene	1	2	4	3	3	1
Butyl alcohol	2	2	2	-	-	1
Carbon disulphide	1	2	3	-	-	1
Chloroform	1	3	4	-	-	-
Ethyl acetate	1	2	2	-	-	1
Ethyl alcohol	1	2	1	-	-	1
Heptane	2	1	2	-	-	-
Methyl alcohol	1	2	1	-	-	2
Methyl ethyl ketone	1	1	4	4	4	2
Nitrobenzene	2	2	3	-	-	1
Phenol	3	4	2	-	-	1
Others:						
Beer	1	2	2	-	-	1
Fruit juices	1	2	3	-	-	2
Gasoline	1	2	2	-	-	1
Milk	1	1	2	-	-	1
Oil	1	1	2	-	-	1
Vegetable juices	1	2	3	-	-	2
Vinegar	1	2	3	-	-	1
Water	1	2	2	-	-	2

Legend

1	Very good
2	Good
3	Moderate resistance
4	Not recommended

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chain tension calculations

Calculating the maximum tension of the chain is important so that the drive unit capacity and tension limit of conveyor chain can be determined before deciding on a conveyor configuration.

Drive unit capacity limit

The required motor output power P depends on

- Traction force F
- Chain speed v

The following equation applies:

$$P [W] = 1/60 \times F [N] \times v [m/min]$$

The maximum permissible traction force of the various drive units is shown in the following table:

Drive Unit Type	Maximum Traction Force in Newton (N)					
	MS2	MM3	ML2	MX2	MO	MT
Front	600	1000	1300	1300	1000	1500
Combined	600	1000	1300	1300	-	-
Intermediate	100	200	300	-	-	-
Wheel	100	200	-	-	-	-
Catenary	600	1000	-	-	-	-
Suspended	600	1000	1300	-	1000	1500

Chain tension limit

Diagram 1 Maximum chain tension versus conveyor length

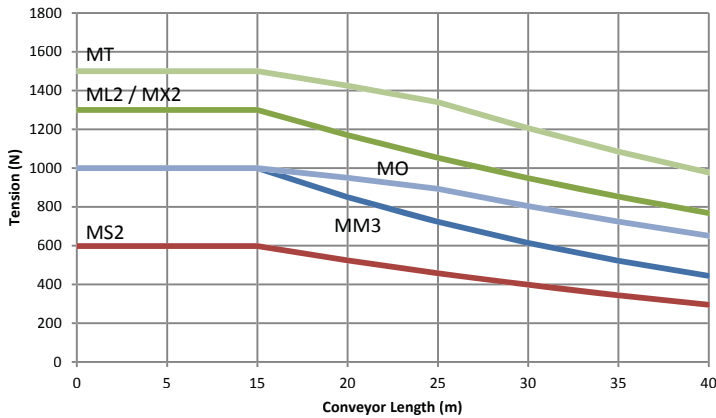
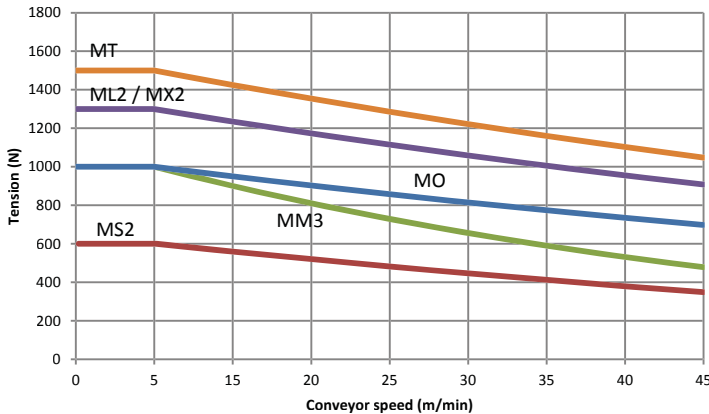


Diagram 2 Maximum chain tension versus conveyor speed



Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Service factor

The maximum permissible chain tension depends on the number of conveyor starts and stops per hour. The service factor is used to de-rate for high frequency of starts and stops and for high chain speeds. Divide the tension limit obtained from the graphs by the service factor to get the de-rated tension limit. A high service factor can be reduced by providing a soft start/stop function.

Operating conditions	Service factor
Low speed (<15m/min) & max. 1 start/stop an hour	1
Low speed & max. 10 start/stop an hour	1.2
Low speed & max. 20 start/stop an hour	1.4
High speed (>15m/min) maximum 20 start/stop an hour	1.6

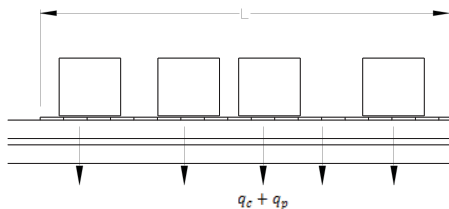
8° incline is the maximum a product could convey for plain chain whereas friction top chain could take up to 30°. It is not advisable to operate a conveyor with more than 20 start/stop an hour. If your application must operate this way, please consult our MODU System dealer.

Important

The chain tension calculations are made to ensure that the capacity of the drive unit is sufficient. The calculations do not take into account the increased wear resulting from the higher friction in plain bends.

Chain tension

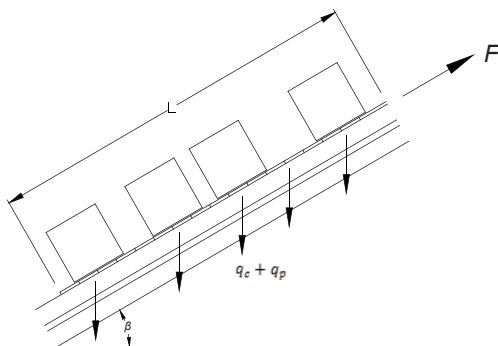
The tension building up in the chain can be divided into several components:
Diagram A, horizontal without accumulation.



Friction between loaded chain and slide rails

$$F = L(q_c + q_p) \cdot \mu_r$$

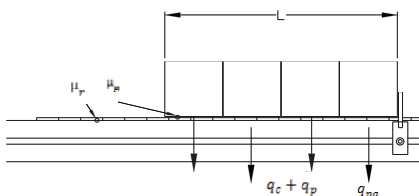
Diagram B, incline without accumulation.



Gravity force acting on products and chain in inclines

$$F = L(q_c + q_p)(\mu_r \cos \beta + \sin \beta)$$

Diagram C, with accumulation.



Friction between accumulating products and top surface

$$F = L[(q_c + q_{pa}) \cdot \mu_r + q_{pa} \cdot \mu_p]$$

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Traction force

The traction force F required to move the chain depends on the following factors:

- Conveyor length..... L
- Product gravity load per meter
 - Transport..... q_p
 - Accumulation q_{pa}
- Chain gravity load per m..... q_c
- Friction coefficient
 - Between chain and slide rail..... μ_r
 - Between chain and products μ_p
- Bend factor, α° plain bend (hor./vert.) k_α
- Inclination angle..... β

Chains properties:

	MS2	MM3	ML2	MX2	MO	MT
Chain width	63mm	83mm	140mm	220mm	165mm	350mm
Tensile strength at 20°C (POM)	3000N	5000N	6000N	6000N	5000N	7000N
Tensile strength at 20°C (PP)	-	2000N	2600N	-	-	4200N
Maximum working tension (POM)	600N	1000N	1300N	1300N	1100N	1300N
Maximum working tension (PP)	-	600N	800N	-	900N	1000N
Working temperature	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
Recommended running speed	3-50 m/min	3-50 m/min	3-50 m/min	3-50 m/min	3-50 m/min	3-50 m/min
Max. conveyor length (depend on layout)	30m	30m	30m	30m	30m	30m
Minimum turning radius	150mm	160mm	200mm	500mm	1000mm	1200mm
Link spacing (Pitch)	25.4mm	33.5mm	44.5mm	44.5mm	25.4mm	25.4mm
Chain weight (POM plain chain)	0.75kg/m	1.3kg/m	2.5kg/m	3.4kg/m	1.6kg/m	3.5kg/m
Chain weight (PP plain chain)	-	-	-	-	-	2.5kg/m
Chain weight (POM friction chain)	0.75kg/m	1.42kg/m	1.91kg/m	3.6kg/m	-	-
Chain weight (PP friction chain)	-	-	-	-	1.7kg/m	1.7kg/m
Chain weight (gripper chain)	-	1.47-1.87kg/m	-	-	-	-

Chain strength and expansion vs. temperature:

Temperature °C	Tensile strength factor	Linear expansion %
-20	1.2	-0.4
0	1.1	-0.2
20	1.0	0
40	0.9	0.2
60	0.8	0.5
80	0.6	0.8
100	0.5	1.0
120	0.3	1.3

Friction Coefficients, between chain and slide rail is 0.15-0.20. The friction coefficients between chain and product is as follows:

	Plain chain	Friction top	Roller top
Steel (dry)	0.15-0.25	0.60-0.70	0.05-0.06
Steel (lubricated)	0.10-0.15	-	-
Glass (dry)	0.15-0.20	0.50-0.60	0.05-0.06
Glass (lubricated)	0.10-0.15	-	-
Aluminium	0.15-0.25	0.60-0.70	0.06-0.07
Acetal resin	0.15-0.25	0.60-0.70	0.05-0.07
Wood & paper	0.15-0.30	0.60-0.70	0.07-0.08

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Bend factors, must be considered and calculated at every plain bend. It depends on the angle of the bend in radians and the friction coefficient m between chain and slide rails. In application when the conveyor is dry and clean, the friction coefficient is close to 0.2.

The bend factor is important to calculate since the frictional force of a plain bend depends not only on weight of then chain and product but also on the actual tension through the bend. The result is an additional pressure force of the chain towards the conveyor beam directed toward the centre of the bend. Since the chain tension varies throughout the conveyor, calculation of this additional pressure force is complicated. The highest values are present at the pulling side of the drive unit and virtually zero at the chain inlet. Using bend factor is the easiest way of including added friction in the plain bend for both horizontal and vertical into the calculation. **Always use wheel bend unless for exceptional cases. If plain bend is a must, the combined plain bends angle should not more than 180°, unless it is a very short and light application.**

Bend type (vertical or horizontal plain bend)	30°	45°	60°	90°
Bend factor $k\alpha$	1.2	1.3	1.4	1.6

Basic calculation procedures

MODU chains tension is determined by use of consecutive calculations. A number of elementary cases can be combined to cover most conditions. When calculating the chain tension, the guide can be followed.

- Divide the conveyor

Divide the conveyor into a number of elementary sections. Start at the end farthest away from the drive unit. Each section should consist of a straight piece of conveyor up to and including the next plain bend (horizontal or vertical).

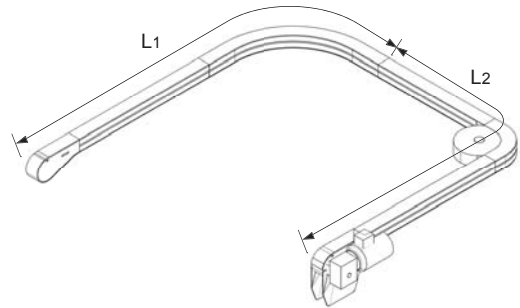
Wheel bends are considered equivalent to straight sections. This means that a conveyor without plain bends can be treated as one elementary section. Once the sum of the forces are calculated, the sum of forces are then multiplied by bend factor, $k\alpha$.

If the conveyor contains no plain bends, the whole conveyor can be treated as one straight section with a total length of L from idler end unit to drive unit.

If the tension is too high

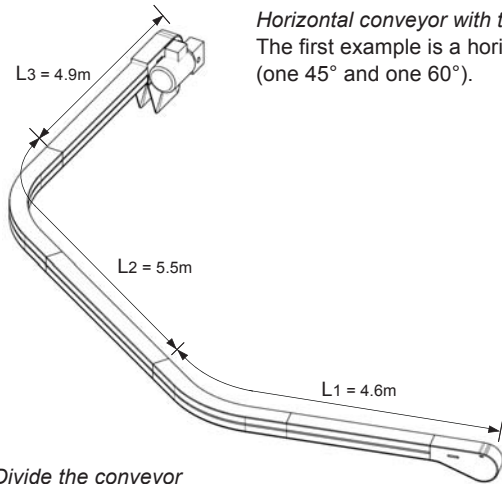
If the calculated traction force exceeds the chain capacity or the drive unit capacity, some modification will be necessary.

- Shorten the conveyor - In some cases, the layout could be changed so that the conveyor becomes shorter.
- Divide the conveyor into two separate conveyors with individual drive units.



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Example 1: Horizontal conveyor



Horizontal conveyor with two plain bends

The first example is a horizontal conveyor with three straight parts and two plain bends (one 45° and one 60°).

Conveyor data:

Conveyor Series	MM3
Conveyor speed, v	15 m/min
Start/stops	30 /hour
Total length	15m
Friction coefficient, μ_r	0.2
Friction coefficient, μ_p	0.2
Load due to chain weight, q	12.75 N/m
Load due to product weight	
Transport (q_p): Five 1 item (1kg/m)	45 N/m
Accumulation (q_{pa}): Ten item (1kg/m)	98 N/m

Divide the conveyor

Start by dividing the conveyor into three elementary sections. Then start at the section farthest away from the drive unit "pull" side.

Section 1

Without accumulation:

$$F_1 = \{ F_0 + L_1(q_c + q_p) \cdot \mu_r \} \cdot k\alpha_1$$

$$F_1 = \{ 0 + 4.6 (12.75 + 45) 0.2 \} 1.3$$

$$F_1 = 69.06N$$

With accumulation:

$$F_1' = \{ F_0 + L_1 [(q_c + q_{pa}) \cdot \mu_r + q_{pa} \cdot \mu_p] \} \cdot k\alpha_1$$

$$F_1' = [0 + 4.6 (12.75 + 98) 0.2 + (98) (0.2)] 1.3$$

$$F_1' = 249.67N$$

Section 3

Without accumulation:

$$F_3 = F_2 + L_3(q_c + q_p) \cdot \mu_r$$

$$F_3 = 185.62 + 4.9 (12.75 + 45) 0.2$$

$$F_3 = 242.22N$$

Comparison with rating

The result of the calculations can now be compared with the maximum permissible chain tension.

Tension limit

The maximum chain tension for a 15m MM3 conveyor is 1000 N (diagram 1, page TR6) and for a conveyor speed of 15 m/min is 900 N (diagram 2, page TR6). The lower value, 900 N, is the basic tension limit. With a start/stop frequency of 30 per hour, the service factor is 1.6 (see table on page TR7). Therefore, the basic tension limit must be de-rated to $900/1.6 = 562.5$ N.

Summary

a) Without accumulation:

$$F_3 = 242.22 \text{ N } (<562.5 \text{ N}).$$

This conveyor will operate with a chain tension well below the maximum permissible value.

Section 2

Without accumulation:

$$F_2 = \{ F_1 + L_2(q_c + q_p) \cdot \mu_r \} \cdot k\alpha_2$$

$$F_2 = \{ 69.06 + 5.5 (12.75 + 45) 0.2 \} 1.4$$

$$F_2 = 185.62N$$

With accumulation:

$$F_2' = \{ F_1 + L_2 [(q_c + q_{pa}) \cdot \mu_r + q_{pa} \cdot \mu_p] \} \cdot k\alpha_2$$

$$F_2' = \{ 249.67 + 5.5 [(12.75 + 98) 0.2 + (98) (0.2)] \} 1.4$$

$$F_2' = 671.01N$$

With accumulation:

$$F_3' = F_2' + L_3 [(q_c + q_{pa}) \cdot \mu_r + q_{pa} \cdot \mu_p]$$

$$F_3' = 671.01 + 4.9 (12.75 + 98) 0.2 + (98) (0.2)]$$

$$F_3' = 875.59N$$

b) With accumulation on the whole of L3:

$$F_3' = 875.59N (>562.5 \text{ N})$$

This conveyor will not operate as the chain tension is higher than the maximum permissible value.

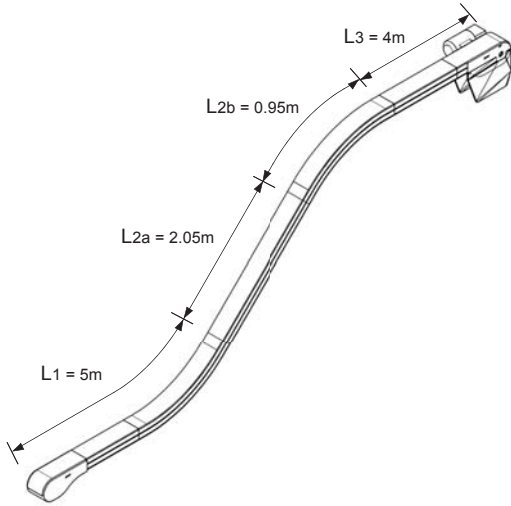
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Example 2: Inclined conveyor

Inclined conveyor

The second example is an inclined conveyor with three straight parts and two 45° vertical bends.



Conveyor data:

Conveyor Series	ML2
Conveyor speed, <i>v</i>	5 m/min
Start/stops	10 /hour
Total length	12m
Friction coefficient, μ_r	0.2
Load due to chain weight, <i>q</i>	24.5 N/m
Load due to product weight	
Transport (<i>q</i>): Five 1 item (1kg/m)	60 N/m

Section 1

Gravity forces in the bend are ignored

$$F_1 = \{ F_0 + L_1(q_c + q_p) \cdot \mu_r \} \cdot k\alpha_1$$

$$F_1 = \{ 0 + 5 (24.5 + 60) 0.2 \} 1.3$$

$$F_1 = 109.85N$$

Section 2

$$F_2 = \{ F_1 + L_{2a}(q_c + q_p) (\mu_r \cos\beta + \sin\beta) + L_{2b} (q_c + q_p) \mu_r \} \cdot k\alpha_1$$

$$F_2 = \{ 109.85 + 2.05 (24.5 + 60) (0.2 \times 0.71 + 0.71) + 0.95 (24.5 + 60) 0.2 \} 1.3$$

$$F_2 = 355.54N$$

Section 3

$$F_3 = F_2 + [L_3(q_c + q_p) \cdot \mu_r]$$

$$F_3 = 355.54 + [4 (24.5 + 60) 0.2]$$

$$F_3 = 423.14N$$

Comparison with rating

The result of the calculations can now be compared with the maximum permissible chain tension.

Tension limit

The maximum chain tension for a 12m ML2 conveyor is 1500 N (diagram 1, page TR6). The maximum chain tension for a conveyor speed of 5 m/min is also 1500 N (diagram 2, page TR6). With a start/stop frequency of 10 per hour the service factor is 1.2 (see table on page TR7). Therefore, the basic tension limit must be de-rated to 1500/1.2 = 1250 N.

Summary

Since F3 is calculated to 423.14 N (<1250 N), this conveyor will operate with a chain tension well below the maximum permissible value.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Static electricity, the standard plastic materials used for conveyors have low electrical conductivity. So, static electricity can build up in the conveyor. When a conveyor is running under normal environment (20°C and humidity 60%) without load, the static electricity build up should be around the following figures:

Above the driveunit	1800-2500V
Above the idler end	400-500V
Above the wheel bend	400-500V
Above the straight section	250-350V

Lower static electricity could be achieved by using our anti-static conveyor chain. In general, the static electricity reading can be as low as half or lower than the above readings. Environment humidity will affect the static electricity reading as well, for a guideline, the relative humidity should keep above 40%.

Sound level, normally, noise level is higher during the run-in period and around the area near the drive unit, idler end and bend. Generally, noise level will increase proportionally to the conveyor speed. Typically, the noise level reading in dB (A) 1m from the conveyor should be around the following:

	5 m/min	10 m/min	20 m/min	30 m/min	40 m/min
MS2	≈ 55	≈ 59	≈ 68	≈ 71	≈ 75
MM3	≈ 59	≈ 62	≈ 70	≈ 77	≈ 79
ML2	≈ 61	≈ 65	≈ 72	≈ 76	≈ 78
MX2	≈ 61	≈ 65	≈ 72	≈ 76	≈ 78
MO	≈ 58	≈ 58	≈ 60	≈ 62	≈ 65
MT	≈ 58	≈ 58	≈ 60	≈ 62	≈ 65

Component Guide

Type / Model	MS2	MM3	ML2	MX2	MO	MT
Drive	Front, Combined, Intermediate, Catenary, Wheel Bend, Suspended	Front, Combined, Intermediate, Catenary, Wheel Bend, Suspended	Front, Combined, Suspended, Intermediate	Front, Combined	Front, Suspended	Front, Suspended
Idler	End	End	End	End	End	End
Chain	Plain, Friction, Flocked	Plain, Friction, Cleated, Gripper, Flocked	Plain, Friction, Cleated, Flocked	Plain, Friction	Plain, Friction	Plain, Friction
Horizontal Wheel Bend					-	-
Radius 150mm	30°, 45°, 90°, 180°	-	-	-	-	-
Radius 160mm	-	30°, 45°, 90°, 180°	-	-	-	-
Radius 200mm	-	-	30°, 45°, 90°, 180°	-	-	-
Horizontal Plain Bend						
Radius 500mm	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	-
Radius 700mm	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	-	-
Radius 1000mm	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	30°, 45°, 60°, 90°	-	-
Radius 1200mm	-	-	-	-	-	30°, 45°, 60°, 90°
Vertical Bend						
Radius 300mm	5°, 7°, 15°, 25°, 30°, 45°, 90°	-	-	-	-	-
Radius 400mm	-	5°, 7°, 15°, 25°, 30°, 45°, 90°	-	-	-	-
Radius 500mm	-	-	-	-	-	-
Radius 1000mm	25°, 30, 45°, 90°	25°, 30, 45°, 90°	5°, 7°, 15°, 25°, 30°, 45°, 90°	5°, 7°, 15°, 25°, 30°, 45°, 90°	-	-

Please consult MODU representative for further information and assistance.

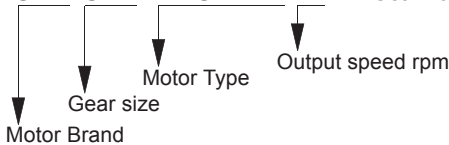
Units: Dimension (mm)

Motor data - 50 Hz motors

Motor Type	Parameter	Output Speed (rpm)	Output Torque (Nm)	Gear Ratio (i)	Service Factor (sf)	Conveyor Speed (m/min)				
						MS2 / DS2	MM3 / DM3	ML2 / DL2	MX2 / DX2	M0
SEW WA20 DR 63L4 0.25kW, 3ph, 415VAC		33	41	39	1.0	13.5				15.1
		53	30	25	1.3	21.7				24.3
		67	26	20	1.4	27.4				30.7
		91	21	14	1.5	37.2				41.7
		127	16	10	1.6	51.9				58.3
SEW WA30 DR 63L4 0.25kW, 3ph, 415VAC		17	62	75	1.2	6.9				7.8
		27	50	48	1.4	11.0				12.4
SEW WA30 DRS 71S4 0.37kW, 3ph, 415VAC		71	39	20	1.8	29.0				32.6
		96	30	14	2.0	39.2				44.0
		135	23	10	2.2	55.1				61.9
SEW SA37 DRS 71M4 0.55kW, 3ph, 415VAC		72	60	19	1.2	29.4				33.0
		103	45	13	1.1	42.1				47.2
		135	35	10	1.4	55.1				61.9
SEW SA47 DRS 71M4 0.55kW, 3ph, 415VAC		21	167	67	1.0	8.6				9.7
		42	100	32	1.6	17.2				19.3
SEW SA47 DRS 80S4 0.75kW, 3ph, 415VAC		99	64	14	1.7	40.4				45.4
		131	49	11	2.2	53.5				60.1
Motovario NMRV 040 71A4 0.25kW, 3ph, 415VAC		35	44	40	0.9	14.3				16.1
		70	27	20	1.5	28.6				32.1
		93	21	15	1.9	38.0				42.7
		140	15	10	2.8	57.2				64.2
Motovario NMRV 050 80A4 0.55kW, 3ph, 415VAC		47	81	30	1.0	19.2				21.6
		70	59	20	1.2	28.6				32.1
		93	46	15	1.6	38.0				42.7
		140	32	10	2.2	57.2				64.2
Motovario NMRV 050 80B4 0.75kW, 3ph, 415VAC		70	81	20	0.9	28.6				32.1
		93	63	15	1.2	38.0				42.7
		140	44	10	1.6	57.1				64.2

eg. Code for Ordering Motor :-

SEW SA47 DRS 71M4 72 => Gearmotor for SEW SA47 0.55kW rating with 72rpm output speed



*standard terminal box will be place at 180° from shaft mounting (please see TR-14 for illustration)

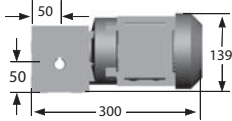
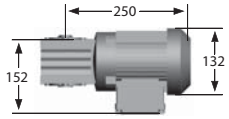
Sprocket data

	MS2 / DS2	MM3 / DM3	ML2 / DL2	MX2 / DX2	M0	MT
PCD, mm	130.00				146.00	
No. of teeth	16	12	11	11	18	

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

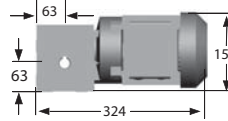
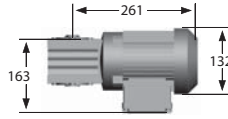
Standard Geared Motor

SEW WA20 DR 63L4



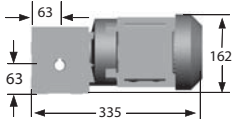
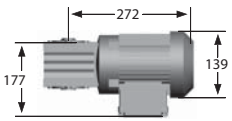
Weight : 7kg
Shaft Diameter : 20mm

SEW WA30 DR 63L4



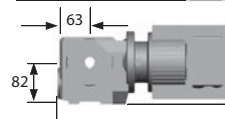
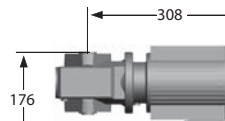
Weight : 10kg
Shaft Diameter : 20mm

SEW WA30 DRS 71S4



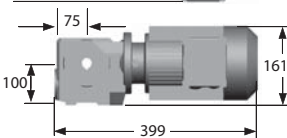
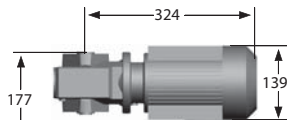
Weight : 11kg
Shaft Diameter : 20mm

SEW SA37 DRS 71M4



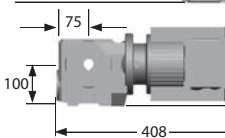
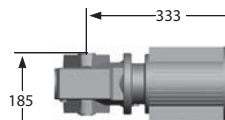
Weight : 14kg
Shaft Diameter : 20mm

SEW SA47 DRS 71M4



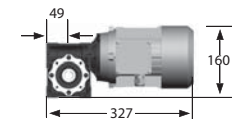
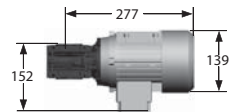
Weight : 18kg
Shaft Diameter : 25mm

SEW SA47 DRS 80S4



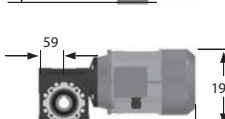
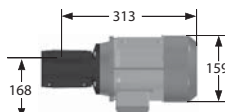
Weight : 21kg
Shaft Diameter : 25mm

MOTOVARIO NMRV040



Weight : 6kg
Shaft Diameter : 18mm

MOTOVARIO NMRV050



Weight : 10kg
Shaft Diameter : 25mm

Please consult MODU representative for further information and assistance.

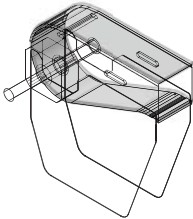
Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Track length definition

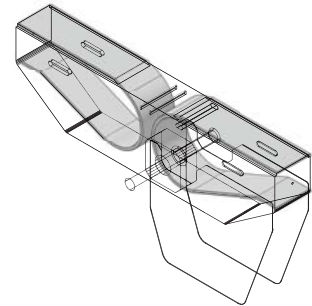
The following tables list the effective track lengths for various MODU System's components. These should be considered when determining how much conveyor chain is required in a system. The effective track length is the total length of chain required through a bend or drive unit. The value for twoway chain applies when the chain returns on the bottom side.

Front Drive Unit



Effective track length (m)

Series	MS2 / DS2	MM3 / DM3	ML2 / DL2	MX2	MO / MT
2-way chain	0.8	0.82	1.16	1.16	0.82

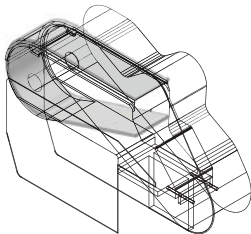


Combined Drive Unit

Effective track length (m)

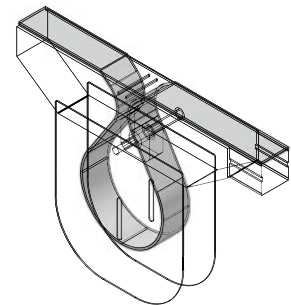
Series	MS2 / DS2	MM3 / DM3	ML2 / DL2	MX2	MO / MT
2-way chain	1.32	1.63	2.19	2.19	-

Suspended Drive Unit



Effective track length (m)

Series	MS2 / DS2	MM3 / DM3	ML2 / DL2	MX2	MO / MT
2-way chain	0.8	0.82	1.16	-	0.82

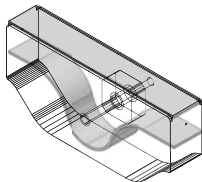


Catenary Drive Unit

Effective track length (m)

Series	MS2 / DS2	MM3 / DM3	ML2 / DL2	MX2	MO / MT
2-way chain	1.66	1.66	-	-	-

Intermediate Drive Unit



Effective track length (m)

Series	MS2 / DS2	MM3 / DM3	ML2 / DL2	MX2
2-way chain	-	1.2	-	-

Idler End Unit

Effective track length (m)

Series	MS2 / DS2	MM3 / DM3	ML2 / DL2	MX2	MO / MT
2-way chain	0.8	0.82	1.02	1.02	0.82

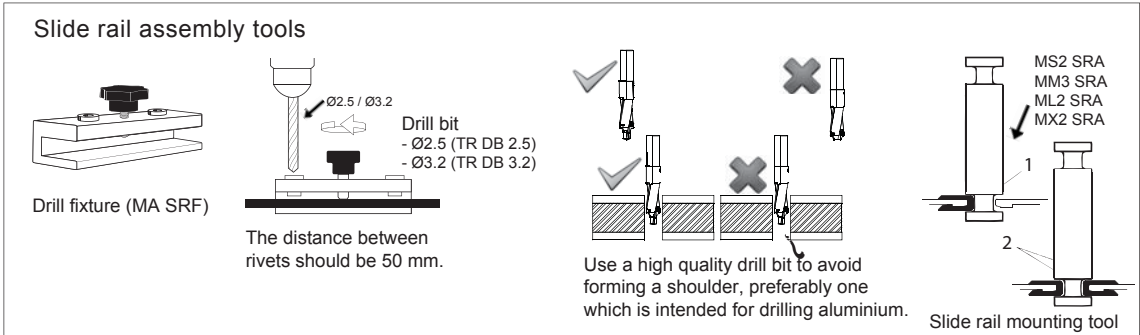
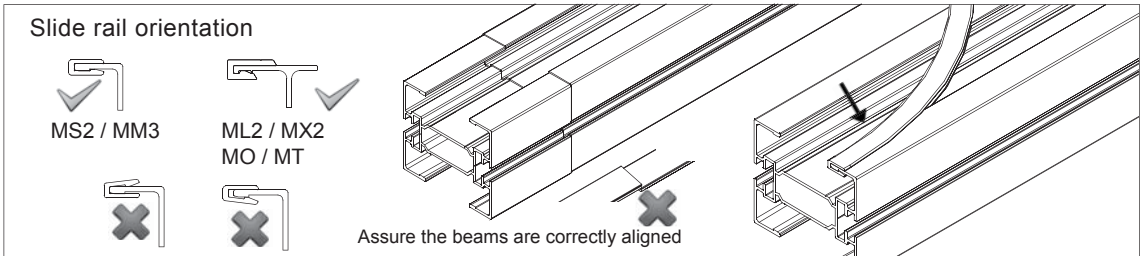
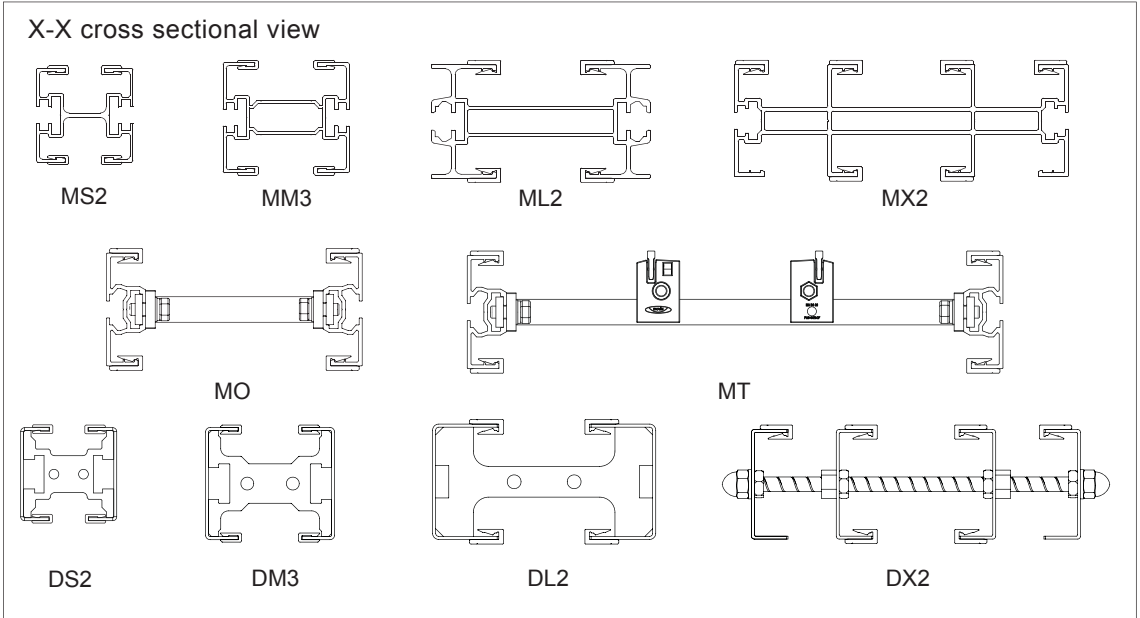


Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

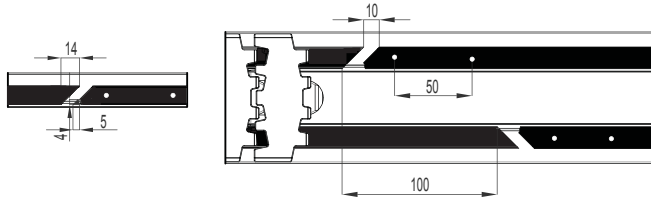
Installation of slide rail

It is very important to assemble slide rails correctly to ensure smooth system operation.



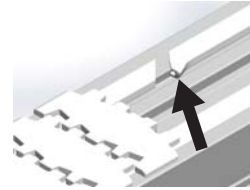
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Correct configuration of joints



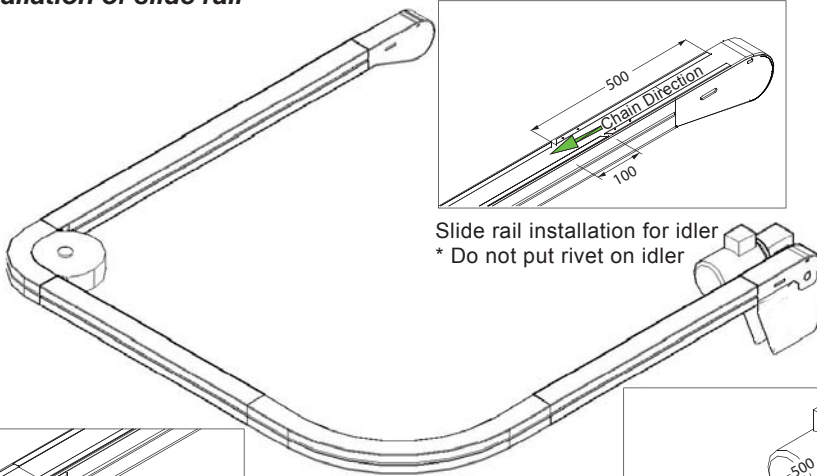
Check that there is a gap between the slide rails and that the joints are correctly fitted.

Deformed joints

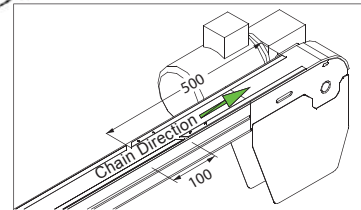


Check that the slide rail has not been broken off. Replace the slide rail if necessary

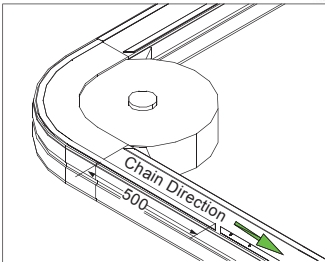
Installation of slide rail



Slide rail installation for idler
* Do not put rivet on idler

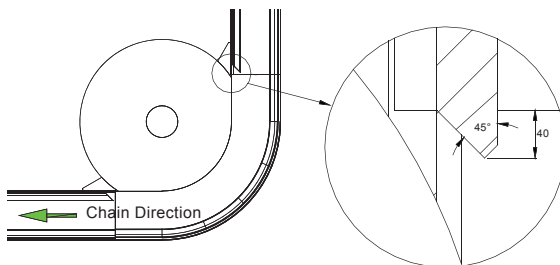


Slide rail installation for drive unit
* Do not put rivet on drive unit



Slide rail installation for wheel bend

Slide rail Installation for Wheel Bend



Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

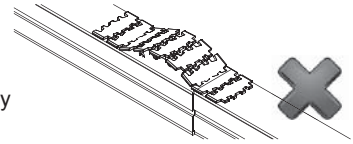
Removal of conveyor chain

1. Ensure that the power to the drive motor is disconnected.
2. Disengage the motor; there are various methods depending on the type of drive unit:
3. Split the chain by removing the steel pin from the pivot. Use chain pin insertion/removal tool.
4. Pull out the chain



Fitting the conveyor chain

Run a sample (approx. 0.3 m) of conveyor chain through the installation in the direction of the conveyor. Check that the chain moves easily and correctly through the bends and idler ends.



Be careful that the first link of the chain does not damage the slide rails.

Conveyor chain inspection

Chain: MODU System chains are made of Polyoxymethylene (POM), an engineering thermoplastic with excellent physical properties such as excellent rigidity, high abrasion resistance, low coefficient of friction, high heat resistance and superior finish.

Chain failures such as breakage, surging and high wear may occur if the actual chain pull is higher than the permissible chain limit.

Chain direction: MODU System chains have direction arrows moulded in each chain link. Please ensure all chains are running in the correct direction.

Broken chain: MODU System chain has excellent impact and tensile strength. A broken link is a sign that something is mechanically wrong with conveyor system. It's important to replace broken or damaged links as these will damage the slide rail or the chain guide at the drive unit.

Chain elongation: POM is an elastic material. In addition to the elastic elongation, the chain will exhibit elongation because of material creeping. The magnitude of chain elongation will depend on the chain tension. Chain elongation will accumulate at the bottom of the drive unit. Too much of the chain slack may cause high wear at the drive unit entry point. Chain slack of up to 150mm is acceptable during normal running but any slack longer than that is not advisable. The chain slack might also hit on any part below it and this depend on the drive unit configuration. For this case, the chain slack should be shortened much earlier. In normal case, chain should be shortened after run-in time of 40 hours. The next inspection should be made only after 200 hours of running and subsequently every 1600 hours. More frequent inspections are recommended if the conveyor is long and on high load.

Inspection: Visually check the slide rail in horizontal and vertical bends after every 200 hours of operation. The chain can stay in place during the inspection. Replace any worn out slide rail. Remove the chain from the conveyor and inspect the slide rail carefully once every 1500 hours of operation. Check for any worn out slide rail and any other unusual condition and make necessary replacement. Conveyors should be cleaned periodically.

Drive unit: MODU System uses a number of different gear motor brands. Please follow the maintenance recommendation from the manufacturer.

Propose Schedule: It is recommended to carry out maintenance every 3rd, 6th and 12th month and subsequently every 6th month depending on the running condition. Following are the recommended actions to be carried out:

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

First 3 months (running): The majority of chain stretch will occur in the first two weeks of continual running. At this time chain accumulation should be inspected and chain shorten if required. Also, majority of dusting will occur. Cleaning of the conveyor system at this time is recommended.

- shorten the chain.
- visual inspection on the running wear of the slide rail, chain, slide rail cap, sprocket, & chain guide.
- checking on any high wear part on the conveyor and rectify it when necessary.
- In paper converting industry or similar applications, clean up any paper accumulation that might block the smooth flow of the conveyor.
- check all gearbox for oil leaks.
- check the system for lose parts (sensors, guide rails, mounts, etc.) and tighten when needed.
- checking all parts joint for support structure, side guide and conveyor for loosen joint, rectify when necessary.

First 6 month:

- shorten the chain, if necessary.
- visual inspection on the running wear of the slide rail, chain, slide rail cap, sprocket, & chain guide.
- checking on any high wear part on the conveyor and rectify it when necessary.
- In paper converting industry or similar applications, clean up any paper accumulation that might block the smooth flow of the conveyor.
- check all gearbox for oil leaks.
- check the system for lose parts (sensors, guide rails, mounts, etc.) and tighten when needed.

First 12 month:

- shorten the chain, if necessary.
- visual inspection on the running wear of the slide rail, chain, slide rail cap, sprocket, & chain guide.
- checking on any high wear part on the conveyor and rectify it when necessary.
- In paper converting industry or similar applications, clean up any paper accumulation that might block the smooth flow of the conveyor.
- check all gearbox for oil leaks.
- check the system for lose parts (sensors, guide rails, mounts, etc.) and tighten when needed.

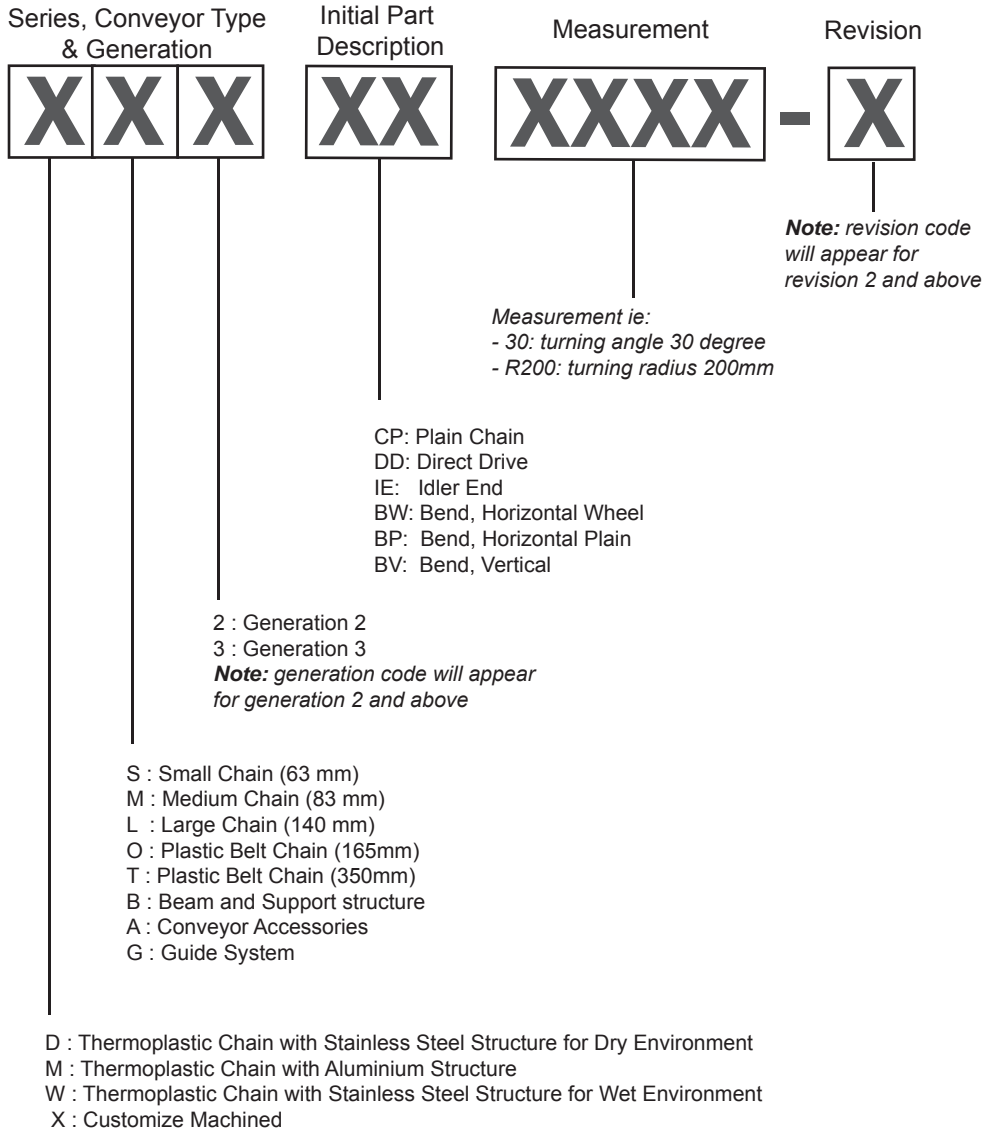
Safety Considerations

When designing a conveyor system, it is necessary to consider certain aspects to get an operational installation, which is reasonably safe for all people involved in using and maintaining it.

Safeguarding: Conveyors by nature presents a number of safety concerns. MODU System strongly recommends that all pinch and shear points as well as other exposed moving parts that can present a hazard to users are guarded. Cleated conveyor chains in particular present a greater risk of pinch and shear points than plain chain. When two or more pieces of equipment are interfaced, special attention must be given to the interfaced area to ensure proper guarding. For overhead conveyor, guards must be provided to ensure no products fall off the conveyor for any reason. The same applies to all incline, decline and vertical conveyors.

Gripper conveyor, elevator or lowerators should be fully covered with poly carbonate to a height of 2.4metres. MODU System offers these guards as an option.

Part Number Guideline



Conveyor System MS2



Description

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

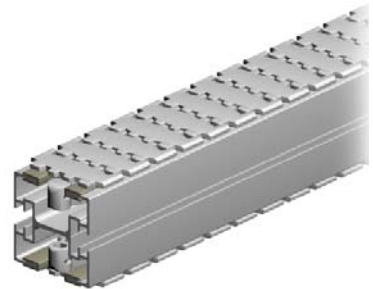
Examples of application industries

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

Technical characteristics

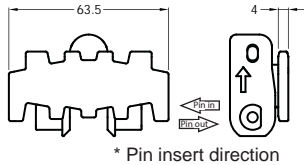
Chain Width		63 mm
Chain Pitch		25.4 mm
Chain Weight		0.8 kg/m
Chain Maximum Working Tension		600 N
Max Product Weight*	Horizontal Transport	15 kg
	Vertical Transport	10 kg
Total Load*		200 Kg
Working Temperature*		-10°C to 60°C
Max Conveyor Length*		30m
Max Speed*		50 m/min
Drive Unit Capacity		600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

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



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chains MS2

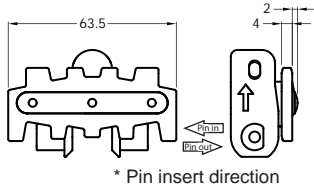


Plain Chain



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

Item Code	Chain Material	Colour	Weight	Supply
MS2 CP 5	POM	White	4.0kg/roll	5m/roll
MS2 CP 5A	Anti-Static	Black	4.0kg/roll	5m/roll
MS2 CP 5K	POM-Kevlar	Yellow	5.0kg/roll	5m/roll

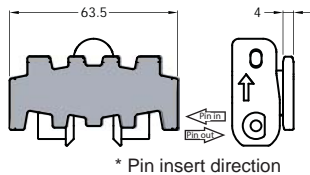


Friction Chain



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

Item Code	Chain Material	Colour	Weight	Supply
MS2 CF 5	POM	White	4.5kg/roll	5m/roll
MS2 CF 5A	Anti-Static	Black	4.5kg/roll	5m/roll
MS2 CF 5K	POM-Kevlar	Yellow	5.5kg/roll	5m/roll

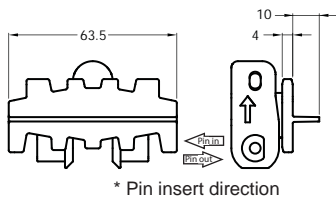


Flocked Chain



- Suitable for scratch sensitive material.
- Flock colour : Grey.
- Accumulation possible for light product only.
- PP chain material working tension = 300N.

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



Cleated Chain



- 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 for actual Chain weight.

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

Chain Accessories MS2

Lubricant For Chain Chain Pivot



Silicone-based lubricant,
400ml

Item Code	Weight	Supply
MA SL	0.35kg	1pc



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

Stainless Steel Pin



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

Chain Pin Insertion Tool



Chain pin insertion tool
shown without attachment
& specific drive pin

Item Code	Weight	Supply
TR CP1	1.20kg	1pc

Kit - Attachment For Chain Tool



Chain attachment & drive pin

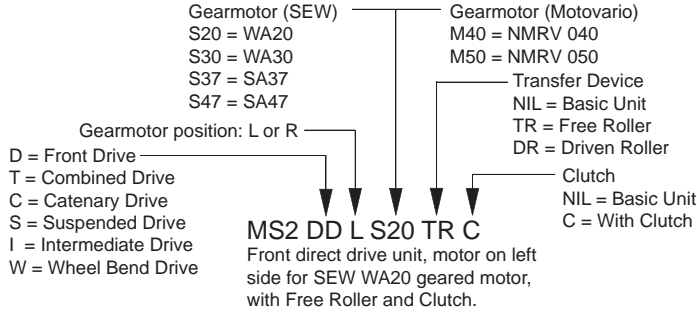
Item Code	Weight	Supply
MS2 AC	0.20kg	1set

Please consult MODU representative for further information and assistance.

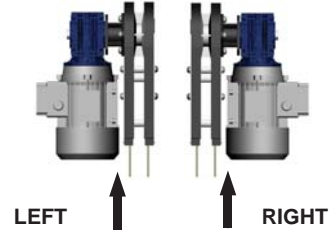
Units: Dimension (mm)

Drive Units MS2

Item Code Guideline For Drive Units



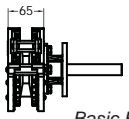
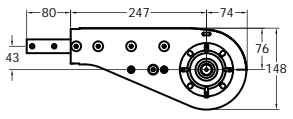
Motor Orientation Guideline



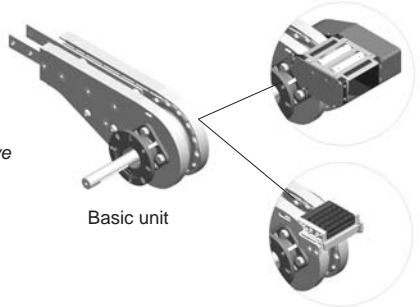
* Drive comes without gearmotor, please Refer TR13 for gearmotor options.

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

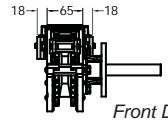
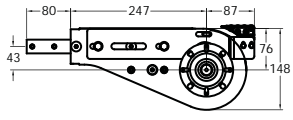
Front Drive Unit



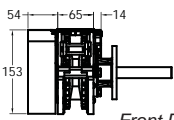
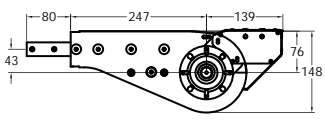
Basic Front Drive



Basic unit



Front Drive with Free Roller



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

Item Code	Weight	Supply
MS2 DD R/L S/M	3.8kg	1 Unit
MS2 DD R/L S/M TR (With Free Roller)	4.0kg	1 Unit
MS2 DD R/L S/M DR (With Driven Roller)	5.3kg	1 Unit

Effective track length: 0.80m
 Traction force: 600N
 - Connecting strip and set screw included.
 Notes:
 - Basic unit come without safety cover.
 - Refer "Safety Cover" for 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.

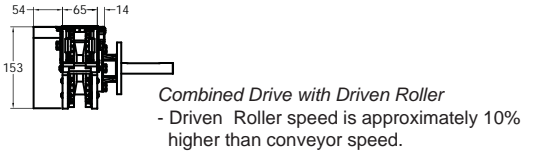
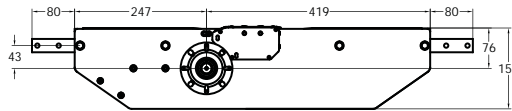
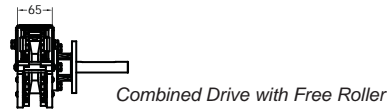
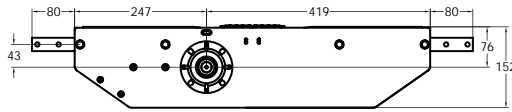
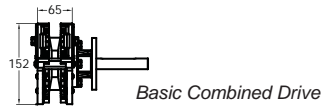
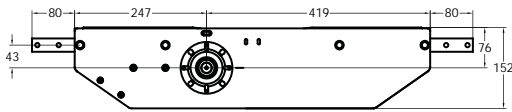
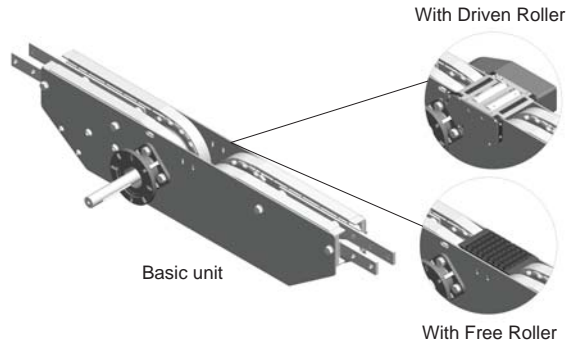
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Drive Units MS2 (Continued)

Combined Drive Unit



Item Code	Weight	Supply
MS2 DT R/L S/M	8.9kg	1 Unit
MS2 DT R/L S/M TR (With Free Roller)	9.1kg	1 Unit
MS2 DT R/L S/M DR (With Driven Roller)	10.4kg	1 Unit

Effective track length: 1.32m

Traction force: 600N

- Connecting strip and set screw included.

Notes:

- Basic unit come without safety cover.

- Refer "Safety Cover" for option.

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

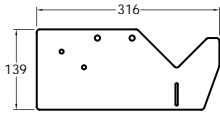
- Refer TR15 for chain effective track length calculation.

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

Drive Units MS2 (Continued)

Safety Cover for Front Drive and Combined Drive (Option)

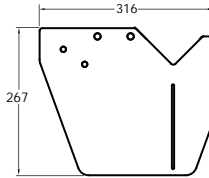
Short Safety Cover



- Material : Stainless Steel

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

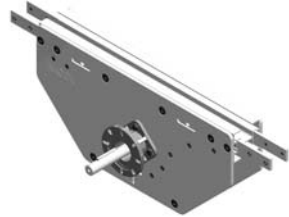
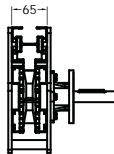
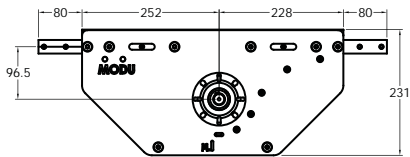
Normal Safety Cover



- Material : Stainless Steel

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

Intermediate Drive Unit



Item Code	Weight	Supply
MS2 DI R/L S/M	13.0kg	1 Unit

Effective track length: 1.2m

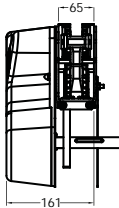
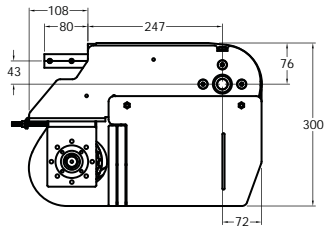
Traction force: 100N

- Connecting strip and set screw included.

Notes:

- Refer TR15 for chain effective track length calculation.

Suspended Drive Unit



Item Code	Weight	Supply
MS2 DS R/L S/M (Without Clutch)	14.5kg	1 Unit
MS2 DS R/L S/M C (With Clutch)	15.5kg	1 Unit

Effective track length: 0.8m

Traction force: 600N

- Connecting strip and set screw included.

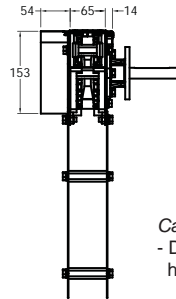
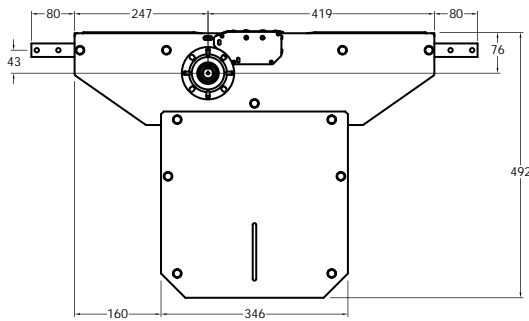
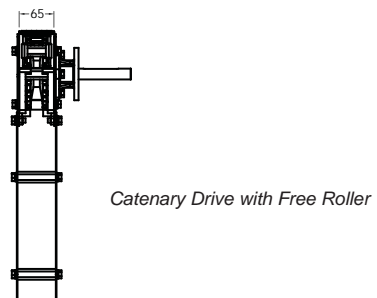
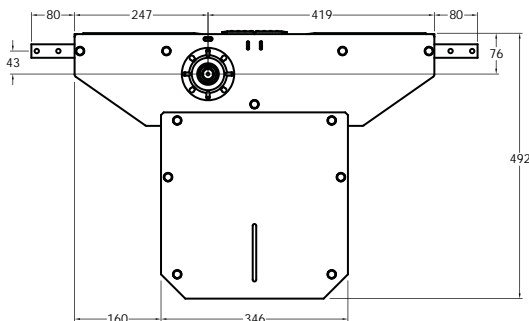
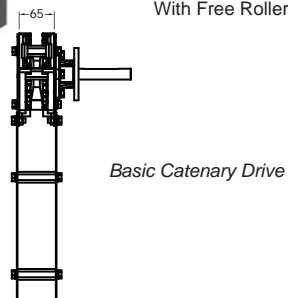
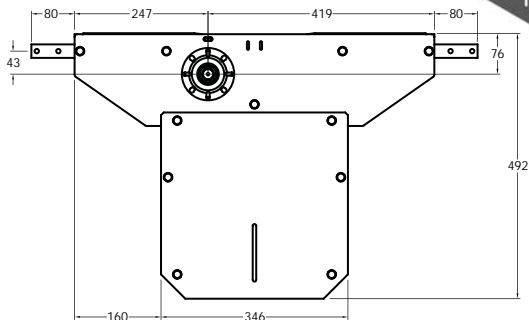
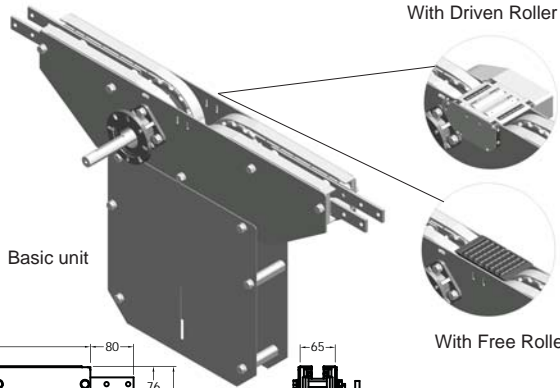
Notes:

- Refer TR15 for chain effective track length calculation.

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Drive Units MS2 (Continued)

Catenary Drive Unit



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

Item Code	Weight	Supply
MS2 DC R/L S/M	15.5kg	1 Unit
MS2 DC R/L S/M TR (With Free Roller)	15.7kg	1 Unit
MS2 DC R/L S/M DR (With Driven Roller)	17.0kg	1 Unit

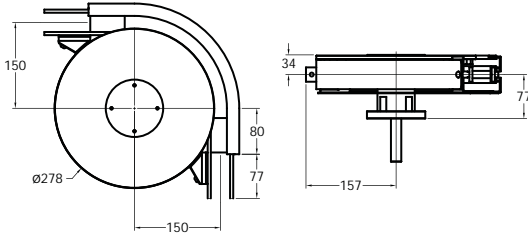
Effective track length: 1.8m
 Traction force: 600N
 - Connecting strip and set screw included.
 Notes:
 - For top running chain.
 - Refer TR15 for chain effective track length calculation.
 - Cleated Chain is not possible to use on this drive.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Units MS2 (Continued)

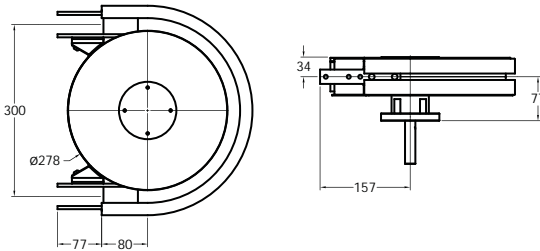
90° Wheel Bend Drive Unit



Item Code	Weight	Supply
MS2 DW 90R150 S/M	6.0kg	1 Unit

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

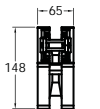
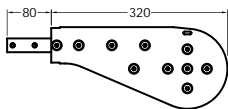
180° Wheel Bend Drive Unit



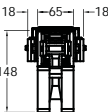
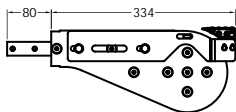
Item Code	Weight	Supply
MS2 DW 180R150 S/M	7.0kg	1 Unit

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

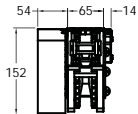
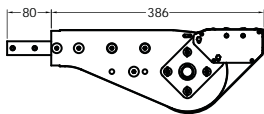
Idler End



Basic Idler End

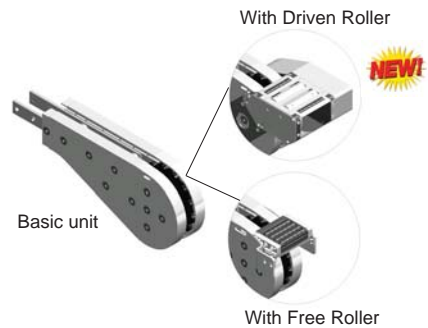


Idler End with Free Roller



Idler End with Driven Roller
*(Right)

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



Item Code	Weight	Supply
MS2 IE 320	3.0kg	1 Unit
MS2 IE 320 TR (With Free Roller)	3.2kg	1 Unit
MS2 IE 320 DR R/L (With Driven Roller)	4.5kg	1 Unit

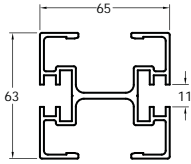
Effective track length: 0.8m
- Connecting strip and set screw included.
Notes:
- Cleated Chain not suitable for Driven Roller & Free Roller.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

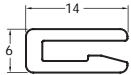
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Conveyor Beam MS2



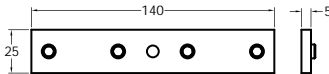
Item Code	Weight	Supply
MS2 CB 3	6.1kg	3m

Accessories MS2



Slide Rail

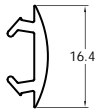
Item Code	Material	Colour	Weight	Supply
MS SR 25	HDPE	Pure white	1.2kg/roll	25m/roll
MS SR 25A	Anti-Static	Grey	1.2kg/roll	25m/roll
MS SR 25U	UHMW-PE	Semi-transparent white	2.7kg/roll	25m/roll
MS SR 25P	PVDF	Natural white	2.7kg/roll	25m/roll



Connecting Strip

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

- 4 pcs M8 set screw included.



T-Slot Cover

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



Rivets

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

Material: Aluminium



Slide Rail Cutter

Item Code	Weight	Supply
MA SC	0.5kg	1 pc



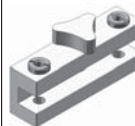
Rivet Crimping

Item Code	Weight	Supply
MA RC	0.13kg	1 pc



Slide Rail Mounting Tool

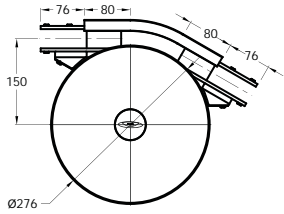
Item Code	Weight	Supply
MS2 SRA	0.4kg	1 pc



Slide Rail Drill Fixture

Item Code	Weight	Supply
MA SRF	0.24kg	1 pc

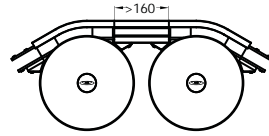
Horizontal Wheel Bends MS2



Wheel Bend, 30°

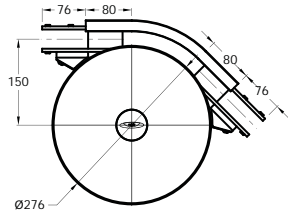
Item Code	Weight	Supply
MS2 BW 30R150	5.6kg	1 set

Effective track length:
 0.24m 1-way (0.48 m 2-way)
 Tolerance: ± 2°
 - Connecting strip and set screw included.



Minimum straight section for all wheel bend connection.

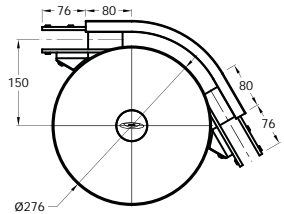
AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL



Wheel Bend, 45°

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

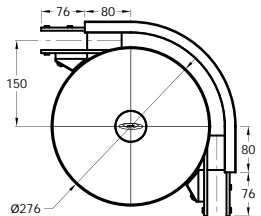
Effective track length:
 0.28m 1-way (0.56m 2-way)
 Tolerance: ± 2°
 - Connecting strip and set screw included.



Wheel Bend, 60°

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

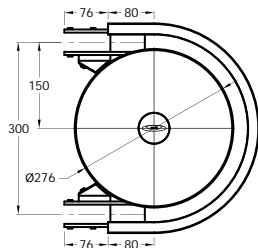
Effective track length:
 0.31m 1-way (0.62 m 2-way)
 Tolerance: ± 2°
 - Connecting strip and set screw included.



Wheel Bend, 90°

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

Effective track length:
 0.4m 1-way (0.8m 2-way)
 Tolerance: ± 2°
 - Connecting strip and set screw included.



Wheel Bend, 180°

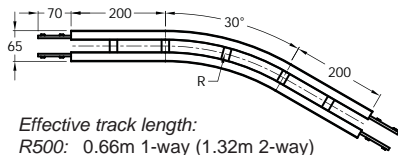
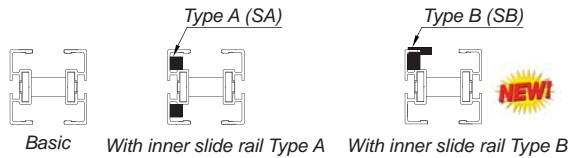
Item Code	Weight	Supply
MS2 BW 180R150	5.9kg	1 set

Effective track length:
 0.63m 1-way (1.26 m 2-way)
 Tolerance: ± 2°
 - Connecting strip and set screw included.

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.

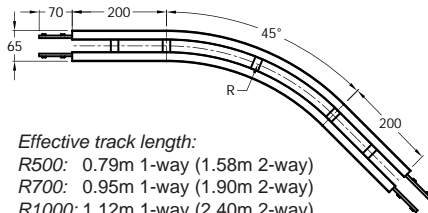
Horizontal Plain Bend, 30°

Without Inner Slide Rail

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

With Inner Slide Rail

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

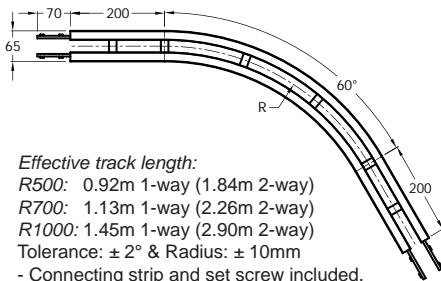
Horizontal Plain Bend, 45°

Without Inner Slide Rail

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

With Inner Slide Rail

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

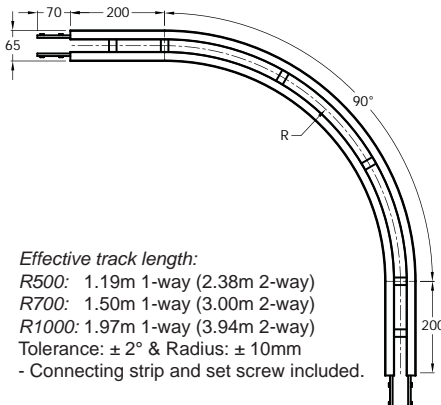
Horizontal Plain Bend, 60°

Without Inner Slide Rail

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

With Inner Slide Rail

Item Code	R	Weight	Supply
MS2 BP 60R500 SA	500mm	2.7kg	1 set
MS2 BP 60R700 SA	700mm	3.1kg	1 set
MS2 BP 60R1000 SA	1000mm	3.9kg	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 BP 90R500	500mm	2.9kg	1 set
MS2 BP 90R700	700mm	3.6kg	1 set
MS2 BP 90R1000	1000mm	4.5kg	1 set

With Inner Slide Rail

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

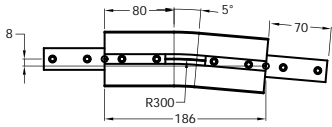
Notes:

- Non standard Plain Bends are available on request. Please refer MODU representative for detail.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

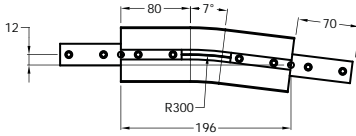
Vertical Bends MS2



Vertical Bend, 5°

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

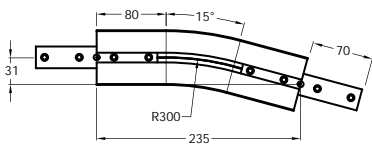
Effective track length:
 R300: 0.19m 1-way (0.38m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 7°

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

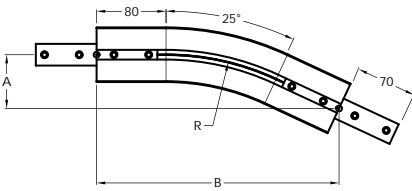
Effective track length:
 R300: 0.20m 1-way (0.40m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 15°

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

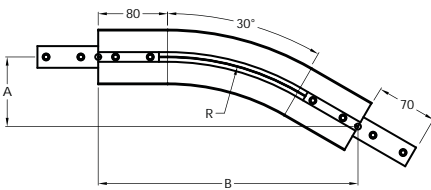
Effective track length:
 R300: 0.24m 1-way (0.48m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 25°

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

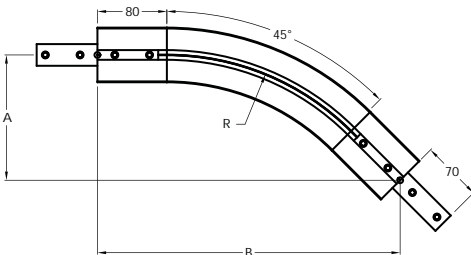
Effective track length:
 R300: 0.29m 1-way (0.58m 2-way)
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 30°

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



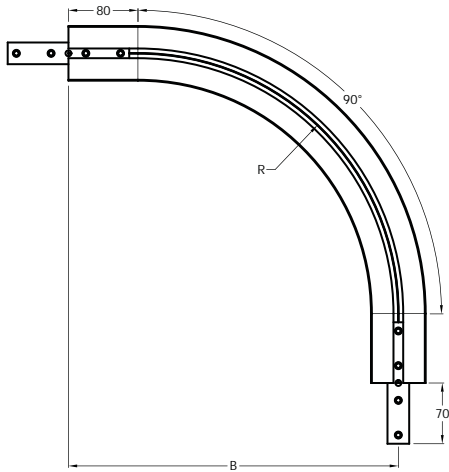
Vertical Bend, 45°

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

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Vertical Bends MS2 (Continued)



Vertical Bend, 90°

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

Effective track length:

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

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

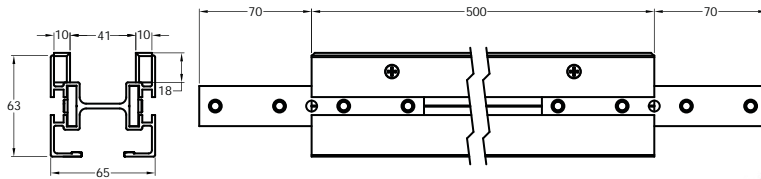
Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm

- Connecting strip and set screw included.

Notes:

- Non standard Vertical Bends are not available.

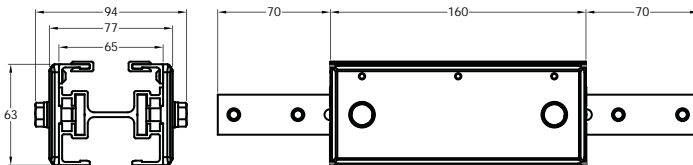
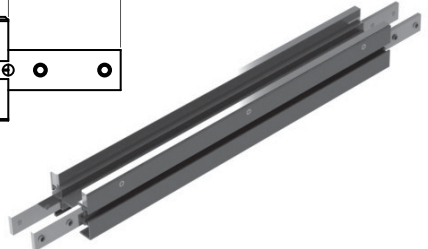
Beam Section For Chain Installation



Type A

Item Code	Weight	Supply
MS2 LU 500	1.4kg	1 set

- Connecting strip and set screw included.



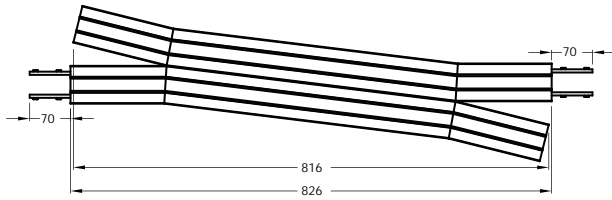
Type B

Item Code	Weight	Supply
MS2 CIS 160	1.3kg	1 set

- Slide rail, connecting strip and set screw included.



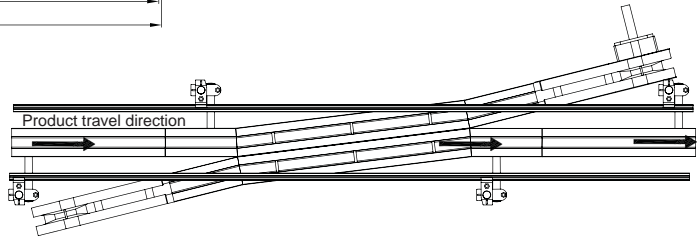
Diagonal Beam



Item Code	Weight	Supply
MS2 DXD	12.9kg	1 set

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

- 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.



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Conveyor System MM3



Description

83mm width thermoplastic chain with aluminium frame conveyor system. Also available with stainless steel frame, please refer section DM3.

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		83 mm
Chain Pitch		33.5 mm
Chain Weight		1.3 kg/m
Max Tension	With Wheel Bend	800 N
	Without Wheel Bend	1000 N
Max Product Weight*	Horizontal Transport	15 kg
	Vertical Transport	10 kg
Total Load*		250 Kg
Working Temperature*		-10°C to 60°C
Max Conveyor Length*		30m
Max Speed*		50 m/min
Drive Unit Capacity		1000 N
Item Width*		20-200 mm

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

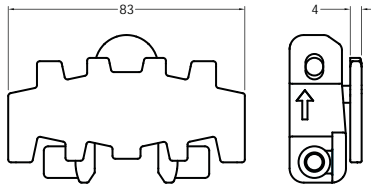


AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Chains MM3

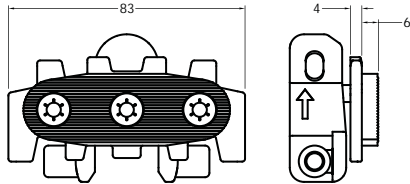


Plain Chain



- Suitable for conveyor configuration with incline/decline up to 5°.
- Accumulation possible.
- Available in polish surface for this type of chain.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CP 5	POM	White	6.5kg/roll	5m/roll
MM3 CP 5A	Anti-Static	Black	6.5kg/roll	5m/roll
MM3 CP 5K	POM-Kevlar	Yellow	8.0kg/roll	5m/roll

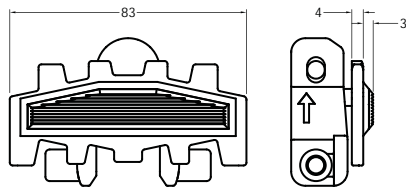


Insert Friction Chain



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

Item Code	Chain Material	Colour	Weight	Supply
MM3 CF 5	POM	White	7.5kg/roll	5m/roll
MM3 CF 5A	Anti-Static	Black	7.5kg/roll	5m/roll
MM3 CF 5K	POM-Kevlar	Yellow	9.5kg/roll	5m/roll

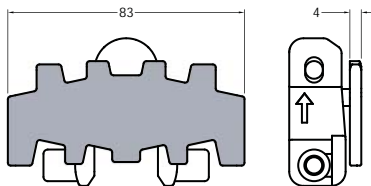


Molded Friction Chain



- Suitable for conveyor configuration with incline/decline up to 25°.
- Friction material : TPE (grey).
- Accumulation not possible.
- PP chain material working tension = 500N.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CF 5P	PP	White	7.8kg/roll	5m/roll

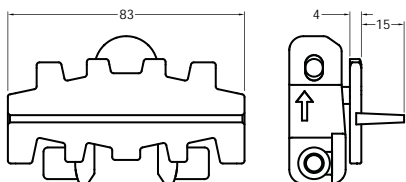


Flocked Chain



- Suitable for scratch sensitive material.
- Flock colour : Grey.
- Accumulation possible for light product only.
- PP chain material working tension = 500N.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CL 5	PP	White	7.0kg/roll	5m/roll



Cleated Chain



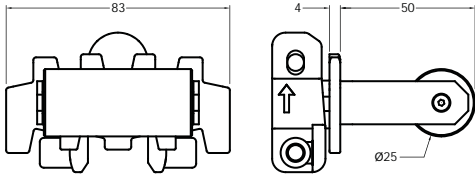
- Required for vertical or steeply inclined / declined conveyor.
- Accumulation not possible.
- Not suitable to be use with Combined and Catenary Drive.
- Please specify pitch between cleat for ordering (eg. MM3 CC 3x15P 3p = Every 3rd link to be cleated).
- **Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CC 3x15P	POM	White	**kg/roll	3m/roll
MM3 CC 3x15A	Anti-Static	Black	**kg/roll	3m/roll
MM3 CC 3x15K	POM-Kevlar	Yellow	**kg/roll	3m/roll

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Chains MM3 (continued)



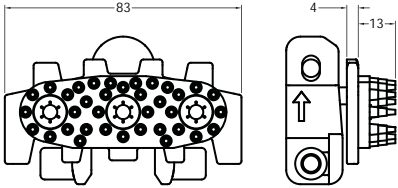
Roller Cleated Chain



- 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. MM3 CR 3P 3p = Every 3rd link to be cleated).

**Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CR 3P	POM	White	**kg/roll	3m/roll

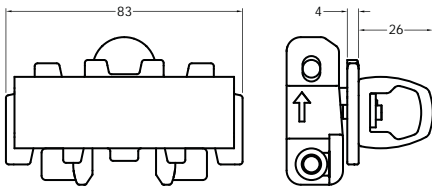


Finger Gripper Chain



- Suitable to be use for transferring product with a gripping method.
- Accumulation not possible.
- Not suitable to use with Combined Drive.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CG 3F	POM	White	5.0kg/roll	3m/roll
MM3 CG 3FA	Anti-Static	Black	5.0kg/roll	3m/roll
MM3 CG 3FK	POM-Kevlar	Yellow	6.0kg/roll	3m/roll



Box Gripper Chain



- Suitable to be use for transferring product with a gripping method.
- Accumulation not possible.
- Not suitable to use with Combined Drive.

Soft - 50A

Item Code	Chain Material	Colour	Weight	Supply
MM3 CG 3BS	POM	White	7.7kg/roll	3m/roll
MM3 CG 3BSA	Anti-Static	Black	7.7kg/roll	3m/roll
MM3 CG 3BSK	POM-Kevlar	Yellow	8.7kg/roll	3m/roll

Medium - 60A

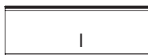
Item Code	Chain Material	Colour	Weight	Supply
MM3 CG 3BM	POM	White	7.7kg/roll	3m/roll
MM3 CG 3BMA	Anti-Static	Black	7.7kg/roll	3m/roll
MM3 CG 3BMK	POM-Kevlar	Yellow	8.7kg/roll	3m/roll

Hard - 73A

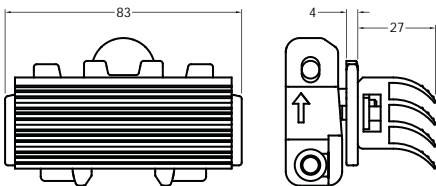
Item Code	Chain Material	Colour	Weight	Supply
MM3 CG 3BH	POM	White	7.7kg/roll	3m/roll
MM3 CG 3BHA	Anti-Static	Black	7.7kg/roll	3m/roll
MM3 CG 3BHK	POM-Kevlar	Yellow	8.7kg/roll	3m/roll

Gripper Box	Max product weight
Soft Type – 50A Shore Hardness	up to 2 kg
Medium Type – 60A Shore Hardness	up to 5 kg
Hard Type – 73A Shore Hardness	up to 10 kg

Indicator:



- I Soft
- II Medium
- III Hard



Wedge Gripper Chain



- Suitable to be use for transferring product with a gripping method.
- Accumulation not possible.
- Not suitable to use with Combined Drive.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CG 3W	POM	White	5.0kg/roll	3m/roll
MM3 CG 3WA	Anti-Static	Black	5.0kg/roll	3m/roll
MM3 CG 3WK	POM-Kevlar	Yellow	6.0kg/roll	3m/roll

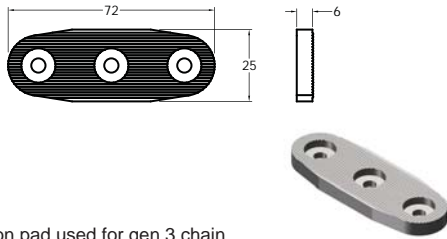
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chain Top Replacement MM3

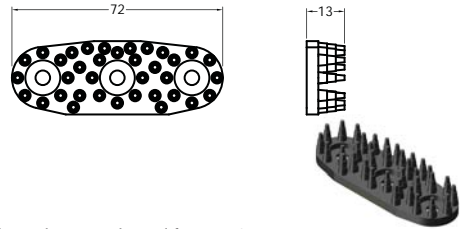
Friction Pad



- Friction pad used for gen 3 chain.

Item Code	Material	Colour	Weight	Supply
MM3 FP	TPE	Grey	0.01kg	10pcs/pkt

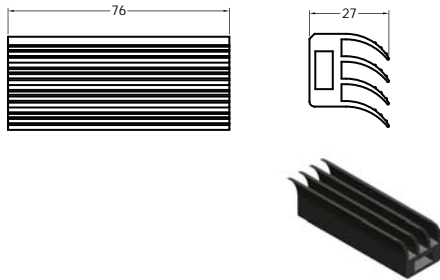
Finger Gripper Pad



- Friction gripper pad used for gen 3.

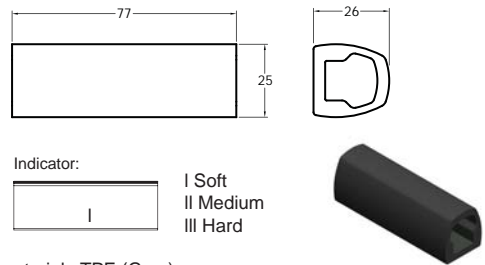
Item Code	Material	Colour	Weight	Supply
MM3 GP F	TPU	Grey	0.09kg	10pcs/pkt

Wedge Gripper



Item Code	Material	Colour	Weight	Supply
MM3 GP W	TPU	-	0.2kg	10pcs/pkt

Gripper Box



Indicator:



I Soft
II Medium
III Hard

- Box material : TPE (Grey).

Item Code	Material	Hardness	Colour	Weight	Supply
MM3 GP BS	TPE	Soft - 50A	Grey	0.2kg	10pcs/pkt
MM3 GP BM	TPE	Med - 60A	Grey	0.2kg	10pcs/pkt
MM3 GP BH	TPE	Hard - 73A	Grey	0.2kg	10pcs/pkt

Chain Accessories MM3

Lubricant For Chain Chain Pivot



Silicone-based lubricant,
400ml

Item Code	Weight	Supply
MA SL	0.35kg	1pc



Item Code	Weight	Supply
MM3 PV	0.02kg	10pcs/pkt

Stainless Steel Pin



Item Code	Weight	Supply
MM3 PN M6x53	0.07kg	10pcs/pkt

Chain Pin Insertion Tool



Chain pin insertion tool
shown without attachment
& specific drive pin

Item Code	Weight	Supply
TR CP1	1.20kg	1pc

Kit - Attachment For Chain Tool

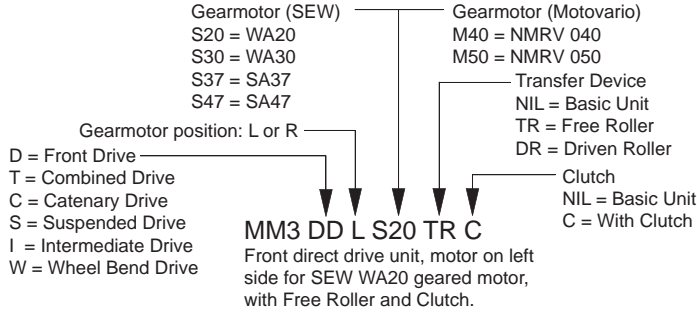


Chain attachment & drive pin

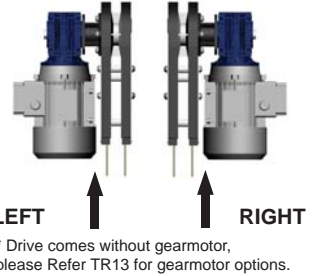
Item Code	Weight	Supply
MM3 AC	0.20kg	1set

Drive Units MM3

Item Code Guideline For Drive Units

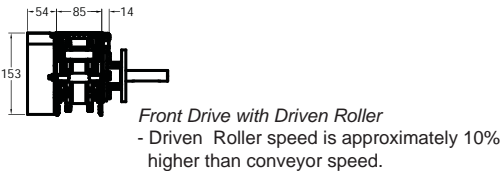
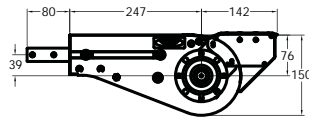
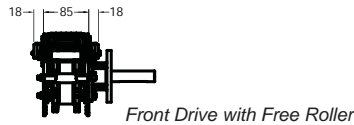
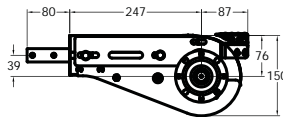
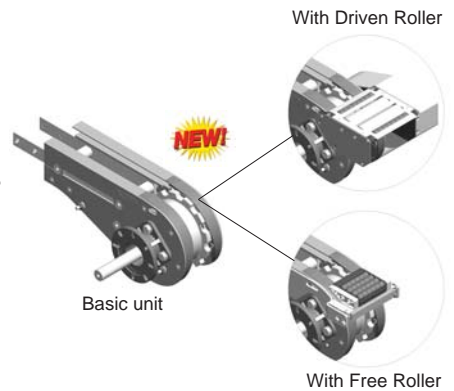
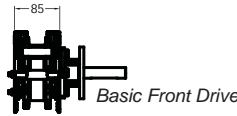
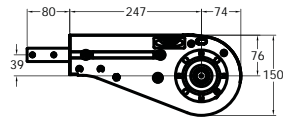


Motor Orientation Guideline



eg. Code for Basic unit; MM3 DT R M50 => Combined drive unit, motor on right side for Motovario NMRV 050 geared motor.

Front Drive Unit



Item Code	Weight	Supply
MM3 DD2 R/L S/M	4.9kg	1 Unit
MM3 DD2 R/L S/M TR (With Free Roller)	5.1kg	1 Unit
MM3 DD2 R/L S/M DR (With Driven Roller)	6.6kg	1 Unit

Effective track length: 1.63m
 Traction force: 1000N
 - Connecting strip and set screw included.
 Notes:
 - Basic unit come without safety cover.
 - Refer "Safety Cover" for 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.

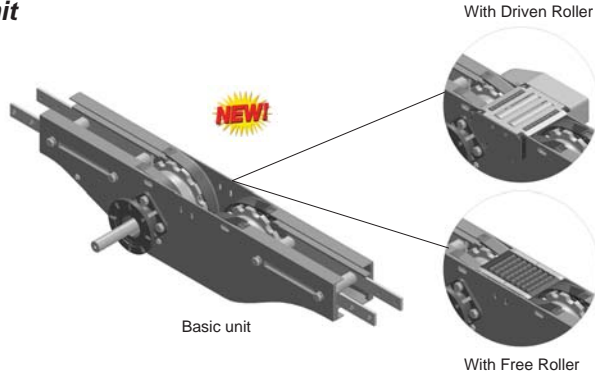
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Drive Units MM3 (Continued)

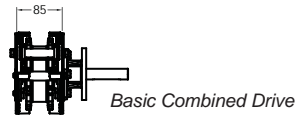
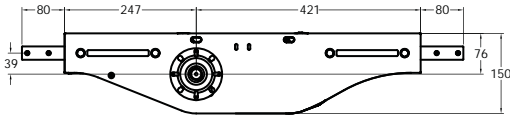
Combined Drive Unit



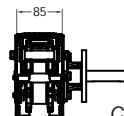
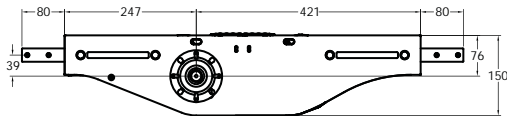
Basic unit

With Driven Roller

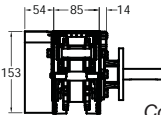
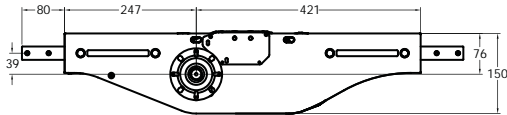
With Free Roller



Basic Combined Drive



Combined Drive with Free Roller



Combined Drive with Driven Roller

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

Item Code	Weight	Supply
MM3 DT2 R/L S/M	10.2kg	1 Unit
MM3 DT2 R/L S/M TR (With Free Roller)	10.4kg	1 Unit
MM3 DT2 R/L S/M DR (With Driven Roller)	11.9kg	1 Unit

Effective track length: 1.63m

Traction force: 1000N

- Connecting strip and set screw included.

Notes:

- Basic unit come without safety cover.

- Refer "Safety Cover" for option.

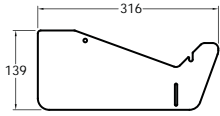
- Recommended maximum chain elongation is 328mm from top conveyor to chain slack.

- Refer TR15 for chain effective track length calculation.

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

Drive Units MM3 (Continued)

Safety Cover for Front Drive and Combined Drive (Option) Short Safety Cover

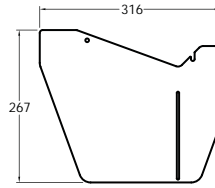


NEW!

- Material : Stainless Steel

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

Normal Safety Cover

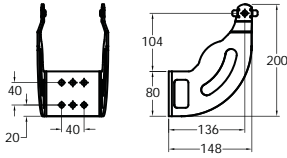


NEW!

- Material : Stainless Steel

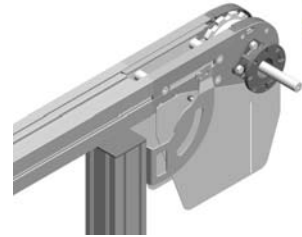
Item Code	Weight	Supply
SC2 267	1.4kg	2 pcs/set

Support Bracket for Drive Unit



- Material : Stainless Steel

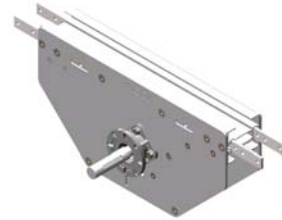
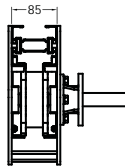
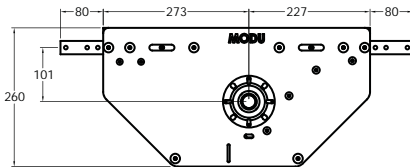
Item Code	Weight	Supply
MM3 BD	1.0kg	1 Unit



NEW!

*Suitable for Direct Drive Unit.

Intermediate Drive Unit



Item Code	Weight	Supply
MM3 DI R/L S/M	13.0kg	1 Unit

Effective track length: 1.2m

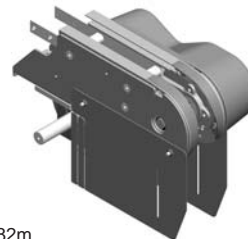
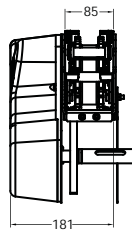
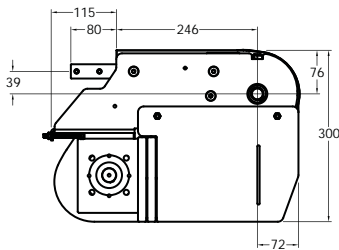
Traction force: 200N

- Connecting strip and set screw included.

Notes:

- Refer TR15 for chain effective track length calculation.

Suspended Drive Unit



NEW!

Item Code	Weight	Supply
MM3 DS2 R/L S/M (Without Clutch)	7.6kg	1 Unit
MM3 DS2 R/L S/M C (With Clutch)	8.9kg	1 Unit

Effective track length: 0.82m

Traction force: 1000N

- Connecting strip and set screw included.

Notes:

- Refer TR15 for chain effective track length calculation.

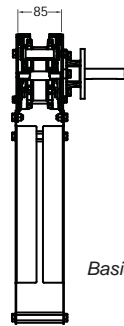
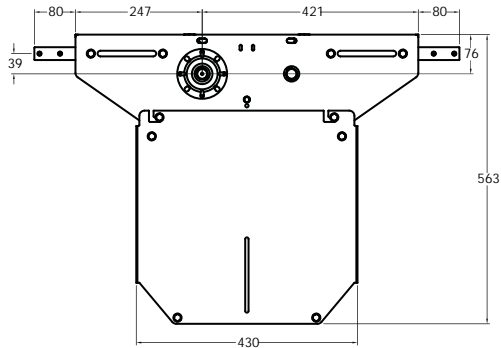
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

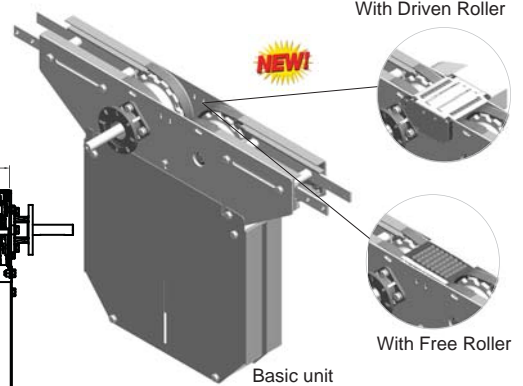
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Drive Units MM3 (Continued)

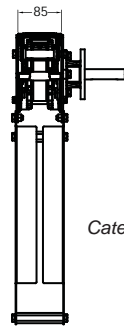
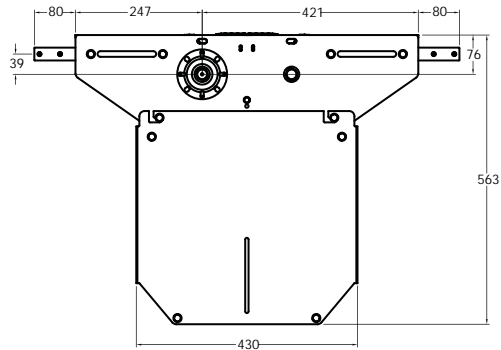
Catenary Drive Unit



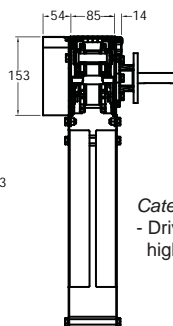
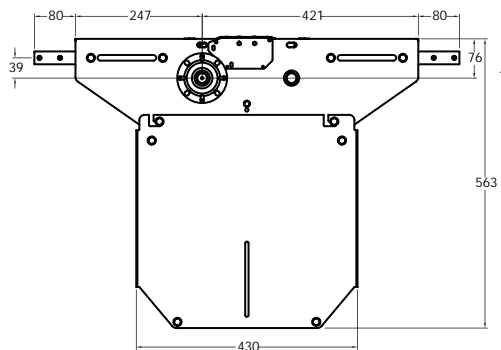
Basic Catenary Drive



Basic unit



Catenary Drive with Free Roller



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

Item Code	Weight	Supply
MM3 DC2 R/L S/M	18.9kg	1 Unit
MM3 DC2 R/L S/M TR (With Free Roller)	19.1kg	1 Unit
MM3 DC2 R/L S/M DR (With Driven Roller)	20.6kg	1 Unit

Effective track length: 1.66m

Traction force: 1000N

- Connecting strip and set screw included.

Notes:

- For top running chain.

- Refer TR15 for chain effective track length calculation.

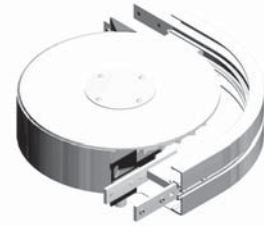
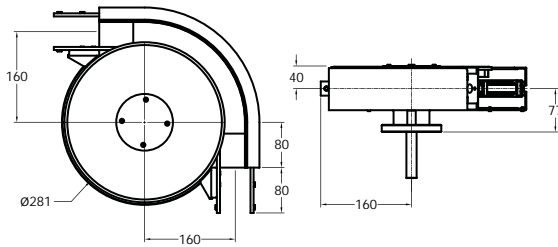
- Cleated Chain is not possible to use on this drive.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Units MM3 (Continued)

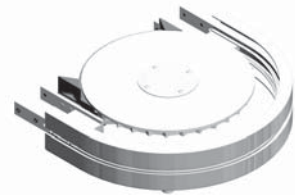
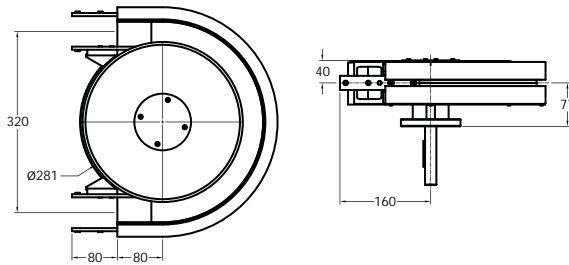
90° Wheel Bend Drive Unit



Item Code	Weight	Supply
MM3 DW 90R160 S/M	8.0kg	1 Unit

Effective track length: 0.41m
 Traction force: 200N
 - Connecting strip and set screw included.

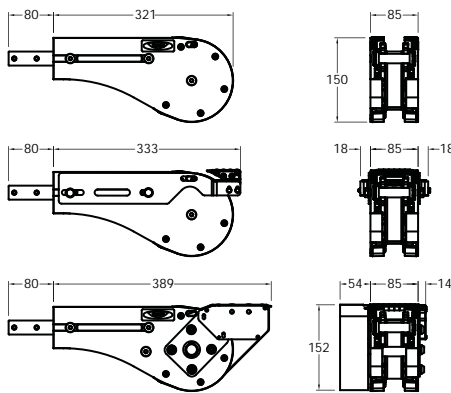
180° Wheel Bend Drive Unit



Item Code	Weight	Supply
MM3 DW 180R160 S/M	8.0kg	1 Unit

Effective track length: 0.82m
 Traction force: 200N
 - Connecting strip and set screw included.

Idler End

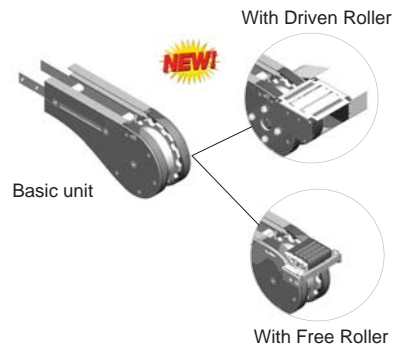


Basic Idler End

Idler End with Free Roller

Idler End with Driven Roller *(Right)

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



Item Code	Weight	Supply
MM3 IE2 320	2.6kg	1 Unit
MM3 IE2 320 TR (With Free Roller)	2.8kg	1 Unit
MM3 IE2 320 DR R/L (With Driven Roller)	4.1kg	1 Unit

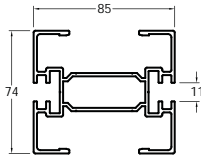
Effective track length: 0.82m
 - Connecting strip and set screw included.
 Notes:
 - Cleated Chain not suitable for Driven Roller & Free Roller

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
 TR
 MS2
MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

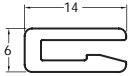
Conveyor Beam MM3



Item Code	Weight	Supply
MM3 CB 3	7.6kg	3m

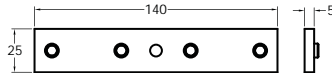


Accessories MM3



Slide Rail

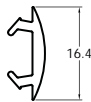
Item Code	Material	Colour	Weight	Supply
MS SR 25	HDPE	Pure white	1.2kg/roll	25m/roll
MS SR 25A	Anti-Static	Grey	1.2kg/roll	25m/roll
MS SR 25U	UHMW-PE	Semi-transparent white	2.7kg/roll	25m/roll
MS SR 25P	PVDF	Natural white	2.7kg/roll	25m/roll



Connecting Strip

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

- 4 pcs M8 Set Screw included.



T-Slot Cover

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



Rivets

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

Material: Aluminium



Slide Rail Cutter

Item Code	Weight	Supply
MA SC	0.5kg	1 pc



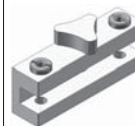
Rivet Crimping

Item Code	Weight	Supply
MA RC	0.13kg	1 pc



Slide Rail Mounting Tool

Item Code	Weight	Supply
MM3 SRA	0.4kg	1 pc

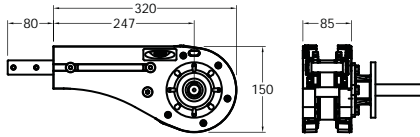


Slide Rail Drill Fixture

Item Code	Weight	Supply
MA SRF	0.24kg	1 pc

Gripper Elevator / Lowerator Components

Gripper Drive Unit

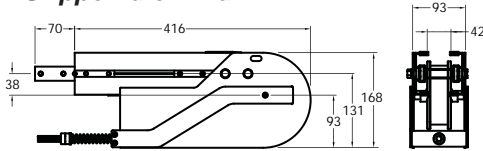


Item Code	Weight	Supply
MM3 DG2 R/L S/M	5.4kg	1 Unit

Effective track length: 0.82m

- Connecting strip and set screw included.

Gripper Idler End



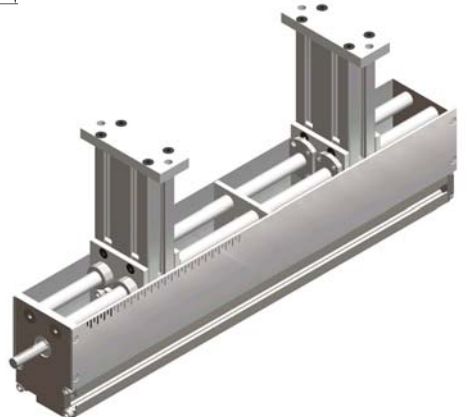
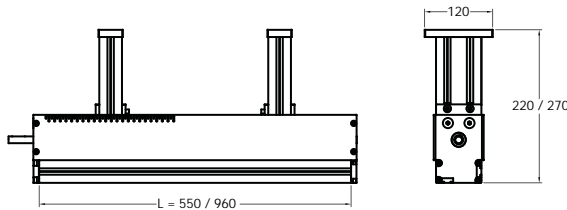
Item Code	Weight	Supply
MM3 IG 400	6.2kg	1 Unit

Effective track length: 0.82m

- Connecting strip and set screw included.

- Comes with self tensioning unit.

Gripper Adjustment Unit



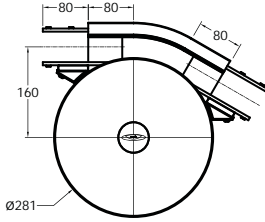
Item Code	Product Size		Weight	Supply
	Width	Height		
MA AU2 550x220	50-300	90-200	9.0kg	1 Unit
MA AU2 550x270	50-300	90-300	9.5kg	1 Unit
MA AU2 960x220	100-700	90-200	13.0kg	1 Unit
MA AU2 960x270	100-700	90-300	13.5kg	1 Unit

Improved

- Lighter, more rigid and easier to rotate.

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

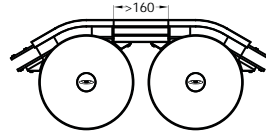
Horizontal Wheel Bends MM3



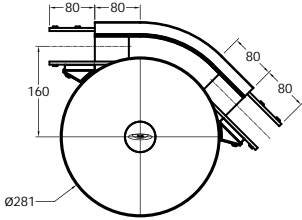
Wheel Bend, 30°

Item Code	Weight	Supply
MM3 BW 30R160	6.0kg	1 set

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



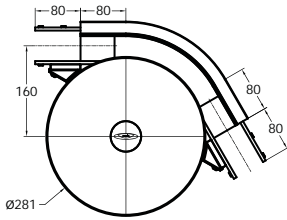
Minimum straight section for all wheel bend connection.



Wheel Bend, 45°

Item Code	Weight	Supply
MM3 BW 45R160	6.0kg	1 set

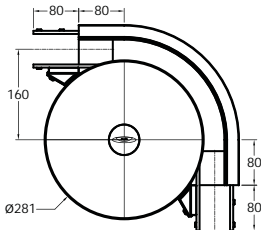
Effective track length:
0.28m 1-way (0.56m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and set screw included.



Wheel Bend, 60°

Item Code	Weight	Supply
MM3 BW 60R160	6.1kg	1 set

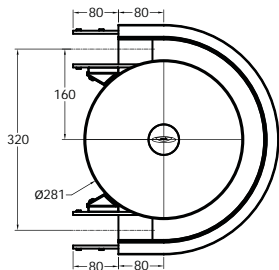
Effective track length:
0.33m 1-way (0.66 m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and set screw included.



Wheel Bend, 90°

Item Code	Weight	Supply
MM3 BW 90R160	6.1kg	1 set

Effective track length:
0.41m 1-way (0.82m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and set screw included.



Wheel Bend, 180°

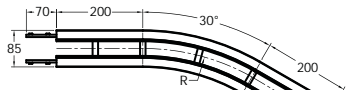
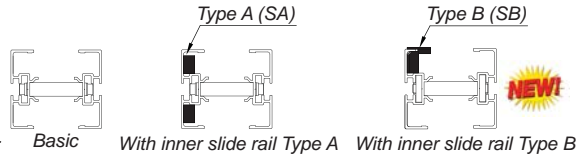
Item Code	Weight	Supply
MM3 BW 180R160	6.2kg	1 set

Effective track length:
0.66m 1-way (1.32 m 2-way).
Tolerance: $\pm 2^\circ$
- Connecting strip and set screw included.

Horizontal Plain Bends MM3

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: ± 10 mm

- Connecting strip and set screw included.

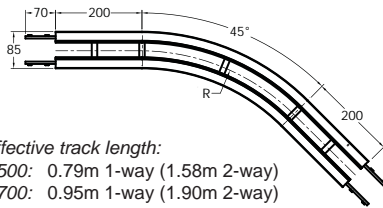
Horizontal Plain Bend, 30°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MM3 BP 30R500	500mm	2.3kg	1 set
MM3 BP 30R700	700mm	2.6kg	1 set
MM3 BP 30R1000	1000mm	2.9kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MM3 BP 30R500 SA	500mm	2.6kg	1 set
MM3 BP 30R700 SA	700mm	3.1kg	1 set
MM3 BP 30R1000 SA	1000mm	3.4kg	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: ± 10 mm

- Connecting strip and set screw included.

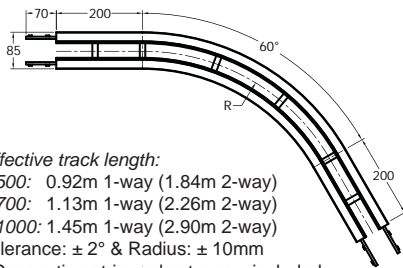
Horizontal Plain Bend, 45°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MM3 BP 45R500	500mm	2.6kg	1 set
MM3 BP 45R700	700mm	3.0kg	1 set
MM3 BP 45R1000	1000mm	3.3kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MM3 BP 45R500 SA	500mm	2.9kg	1 set
MM3 BP 45R700 SA	700mm	3.4kg	1 set
MM3 BP 45R1000 SA	1000mm	3.8kg	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: ± 10 mm

- Connecting strip and set screw included.

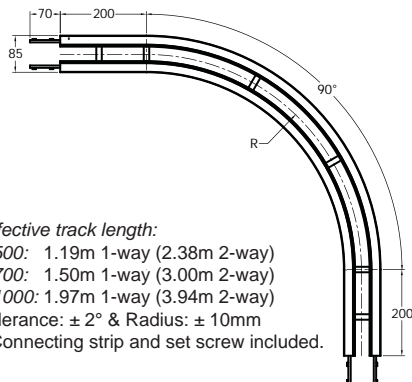
Horizontal Plain Bend, 60°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MM3 BP 60R500	500mm	2.9kg	1 set
MM3 BP 60R700	700mm	3.5kg	1 set
MM3 BP 60R1000	1000mm	4.2kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MM3 BP 60R500 SA	500mm	3.3kg	1 set
MM3 BP 60R700 SA	700mm	4.0kg	1 set
MM3 BP 60R1000 SA	1000mm	4.7kg	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: ± 10 mm

- Connecting strip and set screw included.

Horizontal Plain Bend, 90°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MM3 BP 90R500	500mm	3.6kg	1 set
MM3 BP 90R700	700mm	4.4kg	1 set
MM3 BP 90R1000	1000mm	5.6kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MM3 BP 90R500 SA/SB	500mm	4.1kg	1 set
MM3 BP 90R700 SA/SB	700mm	4.9kg	1 set
MM3 BP 90R1000 SA	1000mm	6.2kg	1 set

Notes:

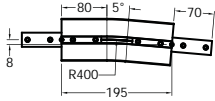
- Non standard Plain Bends are available on request. Please refer MODU representative for detail.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

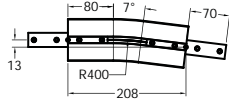
Vertical Bends MM3



Vertical Bend, 5°

Item Code	Weight	Supply
MM3 BV 5R400	1.0kg	1 set

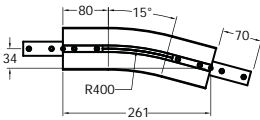
Effective track length:
 R400: 0.19m 1-way (0.38m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 7°

Item Code	Weight	Supply
MM3 BV 7R400	1.1kg	1 set

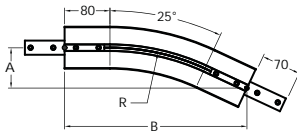
Effective track length:
 R400: 0.20m 1-way (0.40m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 15°

Item Code	Weight	Supply
MM3 BV 15R400	1.2kg	1 set

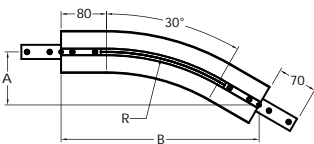
Effective track length:
 R400: 0.26m 1-way (0.52m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 25°

Item Code	R	A	B	Weight	Supply
MM3 BV 25R400	400mm	71mm	322mm	1.4kg	1 set
MM3 BV 25R1000	1000mm	128mm	575mm	2.0kg	1 set

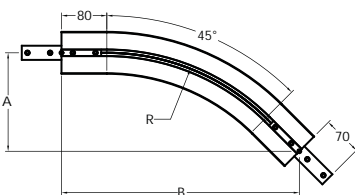
Effective track length:
 R400: 0.33m 1-way (0.66m 2-way)
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 30°

Item Code	R	A	B	Weight	Supply
MM3 BV 30R400	400mm	80mm	299mm	1.6kg	1 set
MM3 BV 30R1000	1000mm	174mm	649mm	2.2kg	1 set

Effective track length:
 R400: 0.37m 1-way (0.74m 2-way)
 R1000: 0.68m 1-way (1.36m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

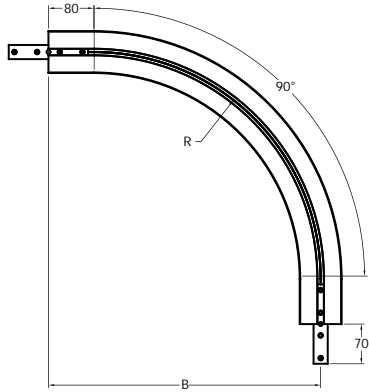


Vertical Bend, 45°

Item Code	R	A	B	Weight	Supply
MM3 BV 45R400	400mm	174mm	419mm	1.7kg	1 set
MM3 BV 45R1000	1000mm	350mm	844mm	3.0kg	1 set

Effective track length:
 R300: 0.47m 1-way (0.94m 2-way)
 R1000: 0.95m 1-way (1.90m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Vertical Bends MM3 (Continued)



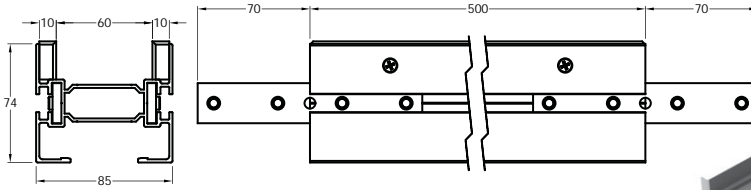
Vertical Bend, 90°

Item Code	R	B	Weight	Supply
MM3 BV 90R400	400mm	480mm	2.5kg	1 set
MM3 BV 90R1000	1000mm	1180mm	5.0kg	1 set

Effective track length:
 R400: 0.63m 1-way (1.26m 2-way)
 R1000: 1.73m 1-way (3.46m 2-way)
 Tolerance: ± 2° & Radius: ± 10mm
 - Connecting strip and set screw included.

Notes:
 - Non standard Vertical Bends are not available.

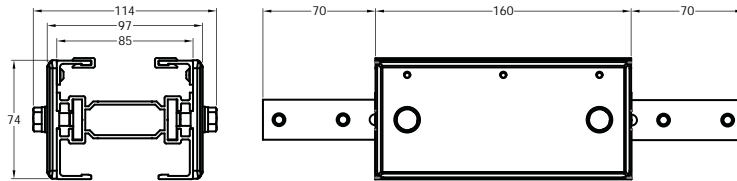
Beam Section For Chain Installation



Type A

Item Code	Weight	Supply
MM3 LU 500	1.9kg	1 set

- Connecting strip and set screw included.



Type B

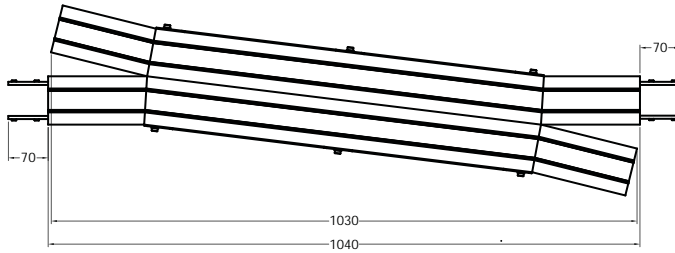
Item Code	Weight	Supply
MM3 CIS 160	1.7kg	1 set

- Connecting strip and set screw included.



AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

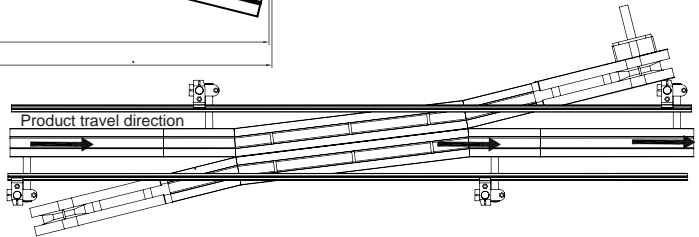
Diagonal Beam



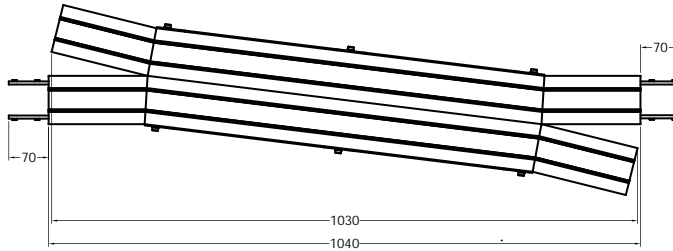
Item Code	Weight	Supply
MM3 DXD	14.8kg	1 set

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

- 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 MM3-5 for drive unit order guidelines.



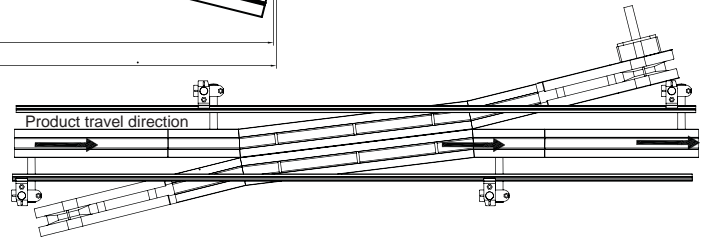
Wrap Beam



Item Code	Weight	Supply
MM3 DXW	16.2kg	1 set

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

- Wrap drive is used for smooth power transfer on top running chain conveyors. An excellent product for multi drive alpine system.
- All available standard drives fit this unit. Please indicate the drive unit type when placing an order. Refer to page MM3-5 for drive unit order guidelines.



Conveyor System ML2



Description

140mm width thermoplastic chain with aluminium frame conveyor system. Also available with stainless steel frame, please refer section DL2.

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

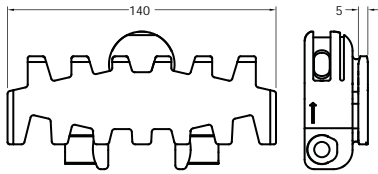
Chain Width		140 mm
Chain Pitch		44.5 mm
Chain Weight		2.46 kg/m
Max Tension	With Wheel Bend	1000 N
	Without Wheel Bend	1300 N
Max Product Weight*	Horizontal Transport	25 kg
	Vertical Transport	15 kg
Total Load*		400 Kg
Working Temperature*		-10°C to 60°C
Max Conveyor Length*		30m
Max Speed*		50 m/min
Drive Unit Capacity		1300 N
Item Width*		25-320 mm

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



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chains ML2

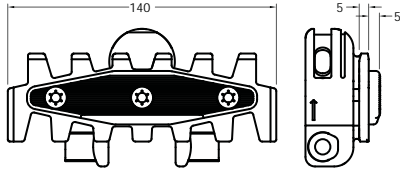


Plain Chain



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

Item Code	Chain Material	Colour	Weight	Supply
ML2 CP 5	POM	White	13.0kg/roll	5m/roll
ML2 CP 5A	Anti-Static	Black	13.0kg/roll	5m/roll
ML2 CP 5K	POM-Kevlar	Yellow	15.6kg/roll	5m/roll

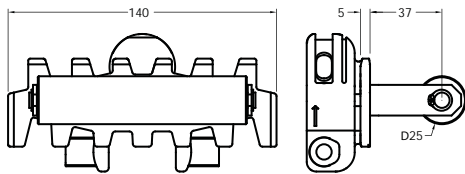


Insert Friction Chain



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

Item Code	Chain Material	Colour	Weight	Supply
ML2 CF 5	POM	White	15.0kg/roll	5m/roll
ML2 CF 5A	Anti-Static	Black	15.0kg/roll	5m/roll
ML2 CF 5K	POM-Kevlar	Yellow	17.0kg/roll	5m/roll

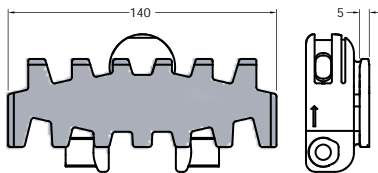


Roller Cleated Chain



- 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. ML2 CR 3 3p = Every 3rd link to be cleated).
- **Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
ML2 CR 3	POM	White	**kg/roll	3m/roll

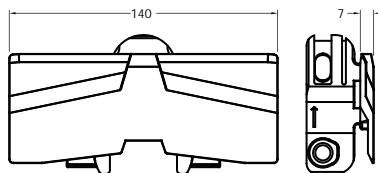


Flocked Chain



- Suitable for scratch sensitive material.
- Flock colour : Grey.
- Accumulation possible for light product only.
- PP chain material working tension = 650N.

Item Code	Chain Material	Colour	Weight	Supply
ML2 CL 5	PP	White	12.5kg/roll	5m/roll



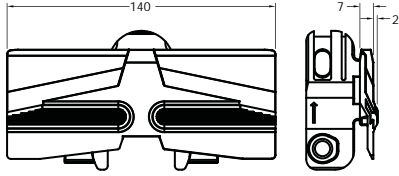
Safety Chain



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

Item Code	Chain Material	Colour	Weight	Supply
ML2 CP 5S	POM	White	12.4kg/roll	5m/roll

Chains ML2 (Continued)



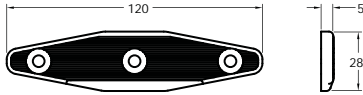
Safety Friction Chain



- Suitable for conveyor configuration with incline/decline up to 25°.
- Friction material : TPE (grey).
- Accumulation not possible.
- PP chain material working tension is less than POM, please refer to technical reference.

Item Code	Chain Material	Colour	Weight	Supply
ML2 CF 5S	PP	White	12.4kg/roll	5m/roll

Chains Top Replacement ML2



Insert Friction Pad



Item Code	Chain Material	Colour	Weight	Supply
ML2 FP	TPE	Grey	0.01kg	10pcs/pkt

Chain Accessories ML2

Lubricant For Chain Chain Pivot



Silicone-based lubricant,
400ml

Item Code	Weight	Supply
MA SL	0.35kg	1pc



Item Code	Weight	Supply
ML2 PV	0.07kg	10pcs/pkt

Stainless Steel Pin



Item Code	Weight	Supply
ML2 PN M8x73	0.28kg	10pcs/pkt

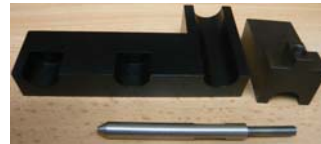
Chain Pin Insertion Tool



Chain pin insertion tool
shown without attachment
& specific drive pin

Item Code	Weight	Supply
TR CP1	1.20kg	1pc

Kit - Attachment For Chain Tool



Chain attachment
& drive pin

Item Code	Weight	Supply
ML2 AC	0.30kg	1set

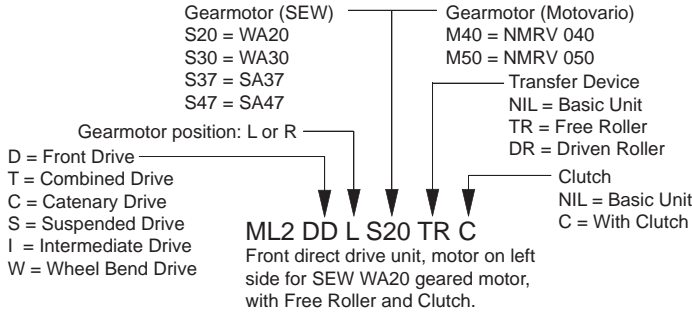
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

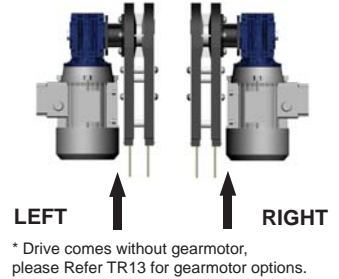
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Drive Units ML2

Item Code Guideline For Drive Units

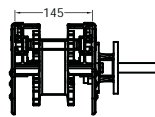
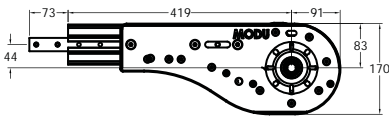


Motor Orientation Guideline



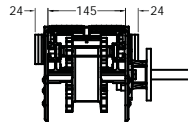
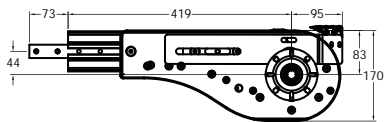
eg. Code for Basic unit; ML2 DT R M50 => Combined drive unit, motor on right side for Motovario NMRV 050 geared motor.

Front Drive Unit

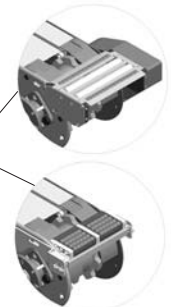


Basic Front Drive

With Driven Roller

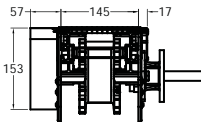
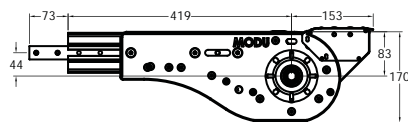


Front Drive with Free Roller



Basic unit

With Free Roller



Front Drive with Driven Roller

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

Item Code	Weight	Supply
ML2 DD R/L S/M	6.3kg	1 Unit
ML2 DD R/L S/M TR (With Free Roller)	6.8kg	1 Unit
ML2 DD R/L S/M DR (With Driven Roller)	8.3kg	1 Unit

Effective track length: 1.16m

Traction force: 1300N

- Connecting strip and set screw included.

Notes:

- Basic unit come without safety cover.

- Refer "Safety Cover" for option.

- Recommended maximum chain elongation is 368mm from top conveyor to chain slack.

- Refer TR15 for chain effective track length calculation.

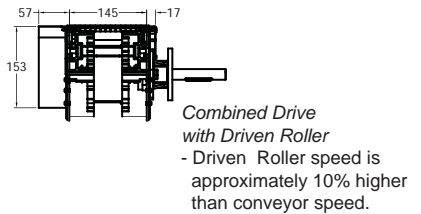
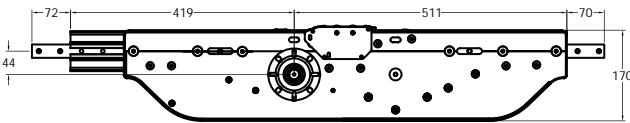
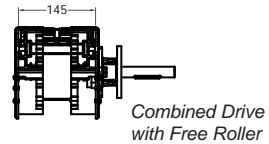
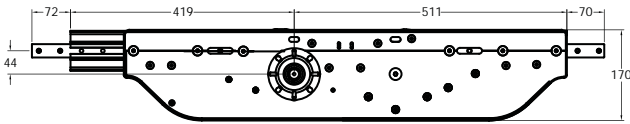
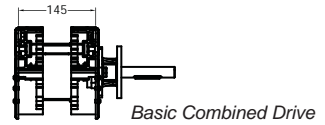
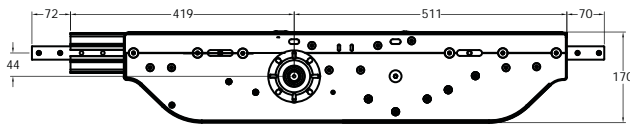
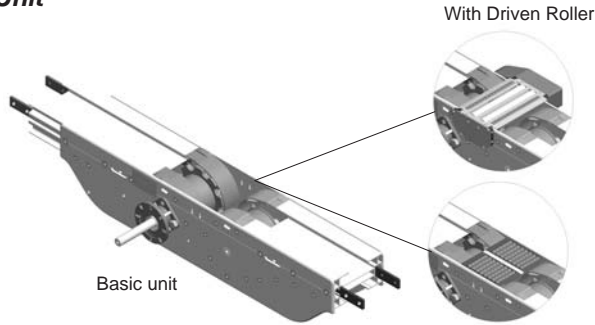
- Cleated Chain is not possible to use on drive with Free Roller or Driven Roller.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Units ML2 (Continued)

Combined Drive Unit



Item Code	Weight	Supply
ML2 DT R/L S/M	12.0kg	1 Unit
ML2 DT R/L S/M TR (With Free Roller)	12.2kg	1 Unit
ML2 DT R/L S/M DR (With Driven Roller)	13.8kg	1 Unit

Effective track length: 2.19m
Traction force: 1300N
- Connecting strip and set screw included.
Notes:
- Basic unit come without safety cover.
- Refer "Safety Cover" for option.
- Recommended maximum chain elongation is 368mm from top conveyor to chain slack.
- Refer TR15 for chain effective track length calculation.
- Cleated Chain is not possible to use on this drive.

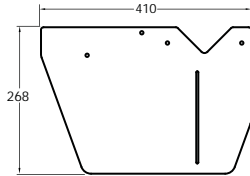
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Drive Units ML2 (Continued)

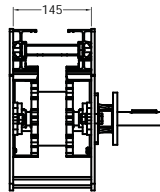
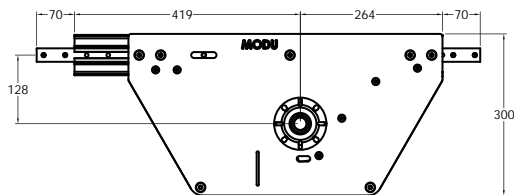
Safety Cover for Front Drive and Combined Drive (Option)



- Material : Stainless Steel

Item Code	Weight	Supply
SC 268	1.8kg	2 pcs/set

Intermediate Drive Unit



Item Code	Weight	Supply
ML2 DI R/L S/M	14.0kg	1 Unit

Effective track length: 1.49m

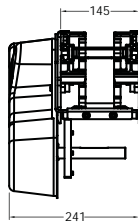
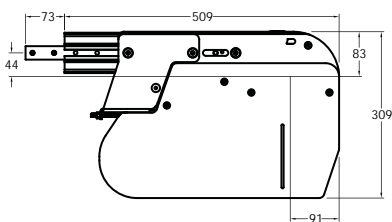
Traction force: 300N

- Connecting strip and set screw included.

Notes:

- Refer TR15 for chain effective track length calculation.

Suspended Drive Unit



Item Code	Weight	Supply
ML2 DS R/L S/M (Without Clutch)	14.0kg	1 Unit
ML2 DS R/L S/M C (With Clutch)	16.8kg	1 Unit

Effective track length: 1.16m

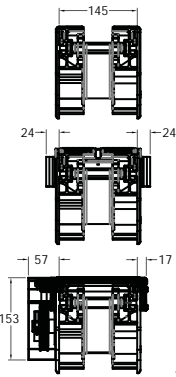
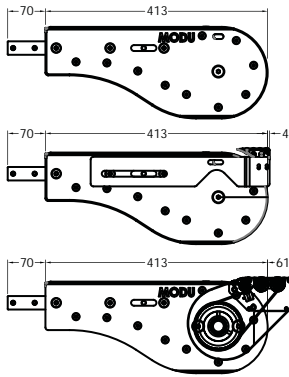
Traction force: 1300N

- Connecting strip and set screw included.

Notes:

- Refer TR15 for chain effective track length calculation.

Idler End

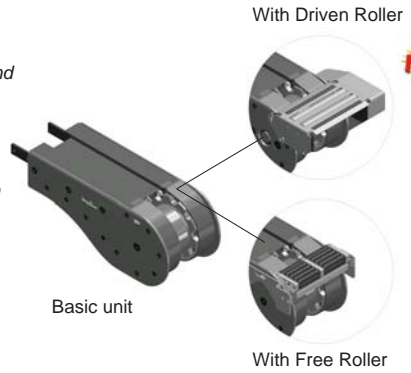


Basic Idler End

Idler End with Free Roller

Idler End with Driven Roller
*(Right)

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



Item Code	Weight	Supply
ML2 IE 400	4.1kg	1 Unit
ML2 IE 400 TR (With Free Roller)	4.4kg	1 Unit
ML2 IE 400 DR R/L (With Driven Roller)	5.9kg	1 Unit

Effective track length: 1.02m

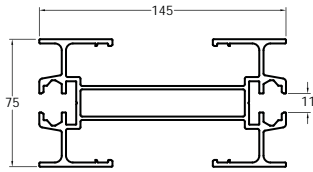
- Connecting strip and set screw included.

Notes:

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

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

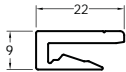
Conveyor Beam ML2



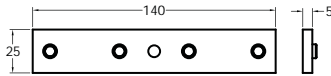
Item Code	Weight	Supply
ML2 CB 3	12.9kg	3m

Accessories ML2

Slide Rail



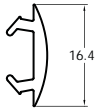
Item Code	Material	Colour	Weight	Supply
MA2 SR 25	HDPE	Pure white	2.8kg/roll	25m/roll
MA2 SR 25A	Anti-Static	Grey	2.8kg/roll	25m/roll
MA2 SR 25U	UHMW-PE	Semi-transparent white	3.5kg/roll	25m/roll



Connecting Strip

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

- 4 pcs M8 set screw included.



T-Slot Cover

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



Screw

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



Slide Rail Cutter

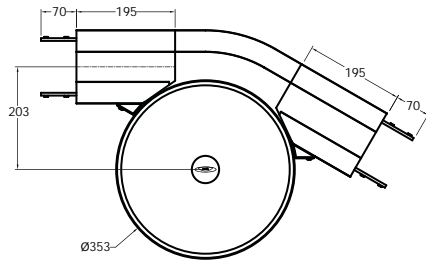
Item Code	Weight	Supply
MA SC	0.5kg	1 pc



Slide Rail Mounting Tool

Item Code	Weight	Supply
MX2 SRA	0.4kg	1 pc

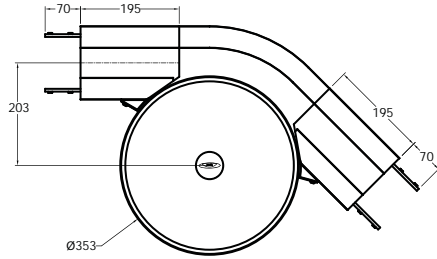
Horizontal Wheel Bends ML2



Wheel Bend, 30°

Item Code	Weight	Supply
ML2 BW 30R200	6.8kg	1 set

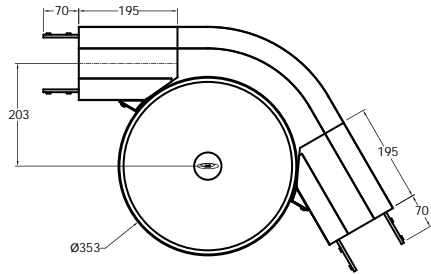
Effective track length:
0.6m 1-way (1.2m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 45°

Item Code	Weight	Supply
ML2 BW 45R200	6.9kg	1 set

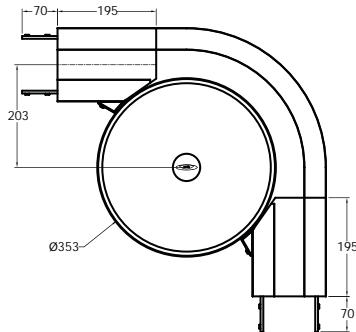
Effective track length:
0.66m 1-way (1.32m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 60°

Item Code	Weight	Supply
ML2 BW 60R200	7.0kg	1 set

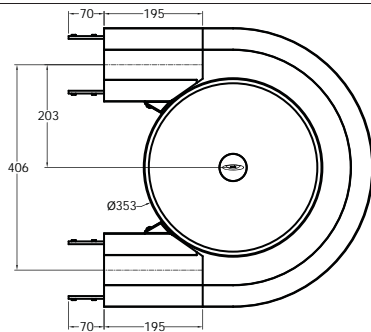
Effective track length:
0.71m 1-way (1.42m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 90°

Item Code	Weight	Supply
ML2 BW 90R200	7.2kg	1 set

Effective track length:
0.81m 1-way (1.62m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 180°

Item Code	Weight	Supply
ML2 BW 180R200	6.2kg	1 set

Effective track length:
1.13m 1-way (2.26m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

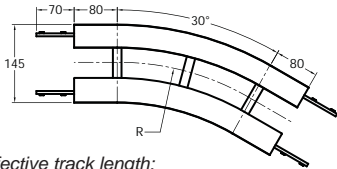
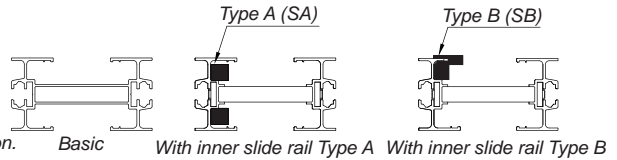
Horizontal Plain Bends ML2

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: 0.42m 1-way (0.84m 2-way)

R700: 0.53m 1-way (1.06m 2-way)

R1000: 0.68m 1-way (1.36m 2-way).

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

- Connecting strip and set screw included.

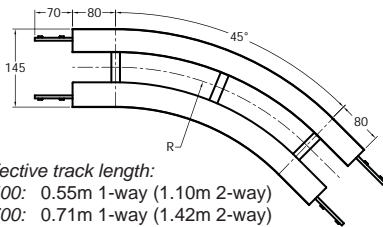
Horizontal Plain Bend, 30°

Without Inner Slide Rail

Item Code	R	Weight	Supply
ML2 BP 30R500	500mm	2.8kg	1 set
ML2 BP 30R700	700mm	3.3kg	1 set
ML2 BP 30R1000	1000mm	3.6kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
ML2 BP 30R500 SA	500mm	3.2kg	1 set
ML2 BP 30R700 SA	700mm	3.8kg	1 set
ML2 BP 30R1000 SA	1000mm	4.1kg	1 set



Effective track length:

R500: 0.55m 1-way (1.10m 2-way)

R700: 0.71m 1-way (1.42m 2-way)

R1000: 0.95m 1-way (1.90m 2-way)

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

- Connecting strip and set screw included.

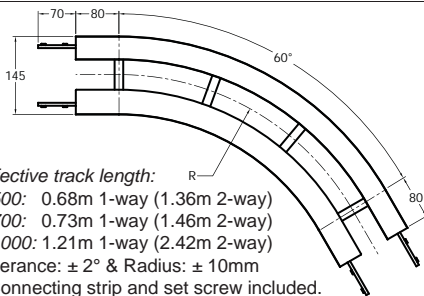
Horizontal Plain Bend, 45°

Without Inner Slide Rail

Item Code	R	Weight	Supply
ML2 BP 45R500	500mm	3.4kg	1 set
ML2 BP 45R700	700mm	4.1kg	1 set
ML2 BP 45R1000	1000mm	5.1kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
ML2 BP 45R500 SA	500mm	3.7kg	1 set
ML2 BP 45R700 SA	700mm	4.8kg	1 set
ML2 BP 45R1000 SA	1000mm	5.8kg	1 set



Effective track length:

R500: 0.68m 1-way (1.36m 2-way)

R700: 0.73m 1-way (1.46m 2-way)

R1000: 1.21m 1-way (2.42m 2-way)

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

- Connecting strip and set screw included.

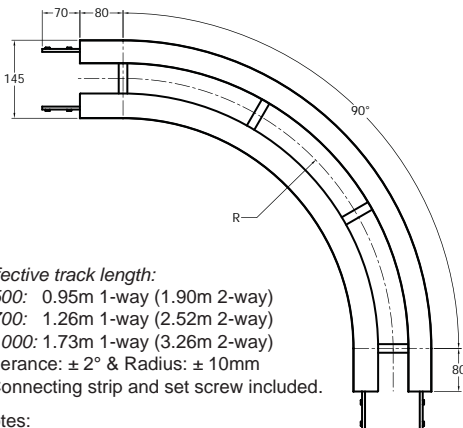
Horizontal Plain Bend, 60°

Without Inner Slide Rail

Item Code	R	Weight	Supply
ML2 BP 60R500	500mm	3.9kg	1 set
ML2 BP 60R700	700mm	4.1kg	1 set
ML2 BP 60R1000	1000mm	6.2kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
ML2 BP 60R500 SA	500mm	4.3kg	1 set
ML2 BP 60R700 SA	700mm	4.7kg	1 set
ML2 BP 60R1000 SA	1000mm	6.9kg	1 set



Effective track length:

R500: 0.95m 1-way (1.90m 2-way)

R700: 1.26m 1-way (2.52m 2-way)

R1000: 1.73m 1-way (3.26m 2-way)

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

- Connecting strip and set screw included.

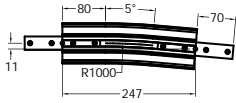
Notes:

- Non standard Plain Bends are available on request. Please refer MODU representative for detail.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

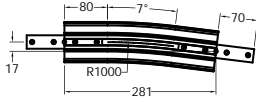
Vertical Bends ML2



Vertical Bend, 5°

Item Code	Weight	Supply
ML2 BV 5R1000	1.6kg	1 set

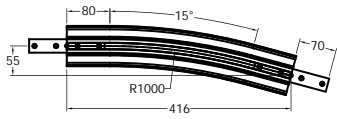
Effective track length:
 R1000: 0.25m 1-way (0.5m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 7°

Item Code	Weight	Supply
ML2 BV 7R1000	1.8kg	1 set

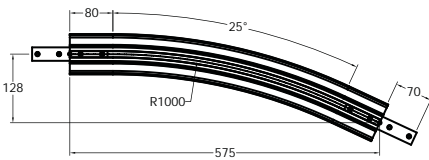
Effective track length:
 R1000: 0.28m 1-way (0.56m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 15°

Item Code	Weight	Supply
ML2 BV 15R1000	2.4kg	1 set

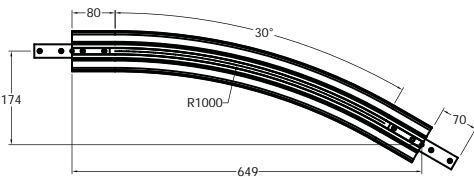
Effective track length:
 R1000: 0.42m 1-way (0.84m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 25°

Item Code	Weight	Supply
ML2 BV 25R1000	3.2kg	1 set

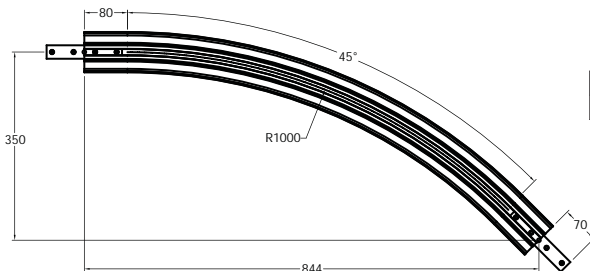
Effective track length:
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.



Vertical Bend, 30°

Item Code	Weight	Supply
ML2 BV 30R1000	3.5kg	1 set

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



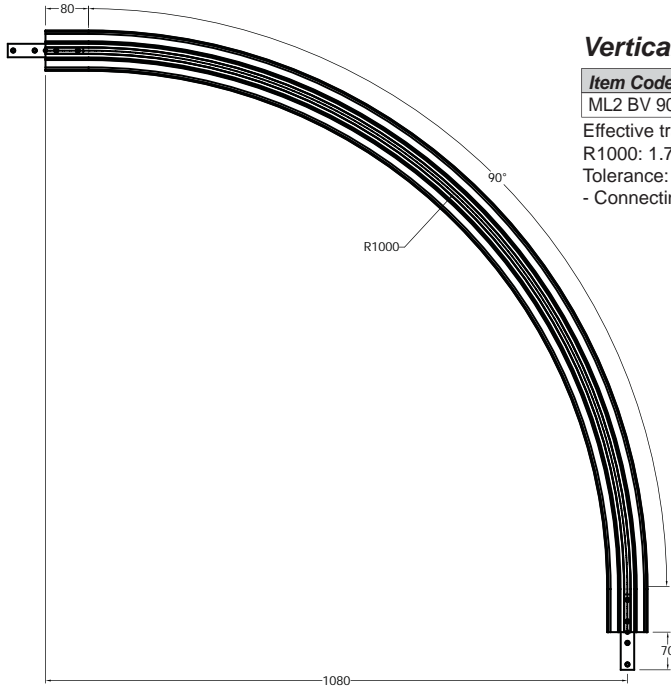
Vertical Bend, 45°

Item Code	Weight	Supply
ML2 BV 45R1000	4.5kg	1 set

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

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Vertical Bends ML2 (Continued)



Vertical Bend, 90°

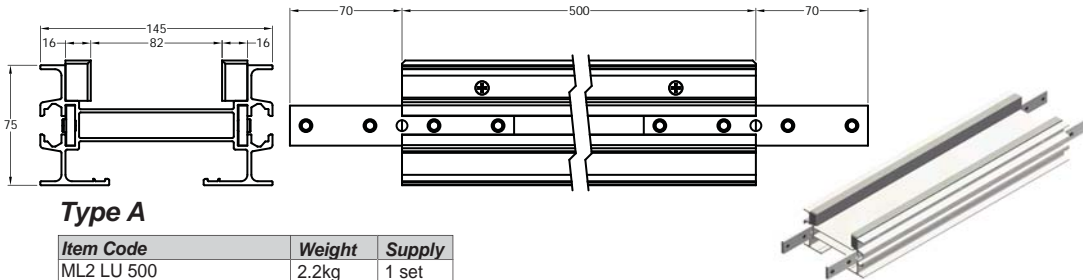
Item Code	Weight	Supply
ML2 BV 90R1000	7.9kg	1 set

Effective track length:
 R1000: 1.73m 1-way (3.46m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and set screw included.

Notes:

- Non standard Vertical Bends are not available.

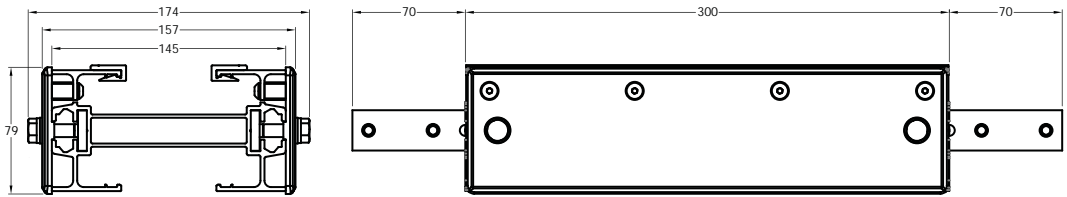
Beam Section For Chain Installation



Type A

Item Code	Weight	Supply
ML2 LU 500	2.2kg	1 set

- Connecting strip and set screw included.



Type B

Item Code	Weight	Supply
ML2 CIS 300	2.0kg	1 set

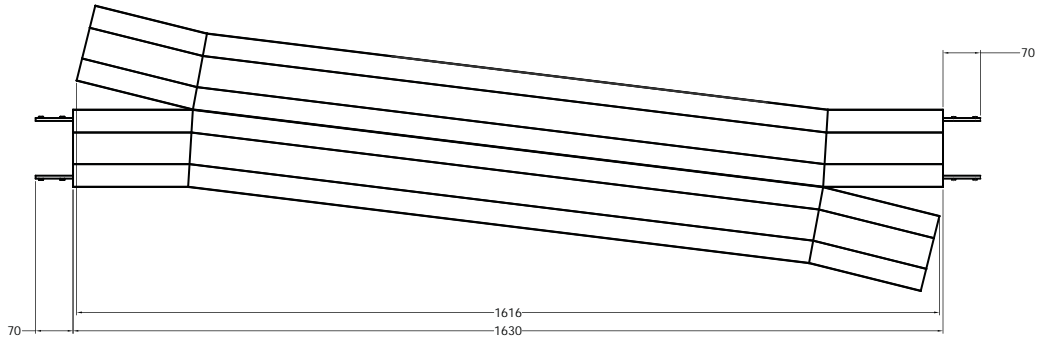
- Slide rail, connecting strip and set screw included.

NEW!

Please consult MODU representative for further information and assistance.

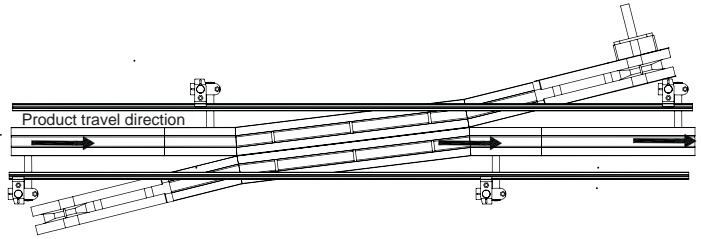
Units: Dimension (mm)

Diagonal Beam



Item Code	Weight	Supply
ML2 DXD	26.3kg	1 set

- Drive and idler not included.
- Connecting strip and set screw included.
- 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 ML2-4 for drive unit order guidelines.



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Conveyor System MX2



Description

220mm width thermoplastic chain with aluminium frame conveyor system. Also available with stainless steel frame, please refer section DX2.

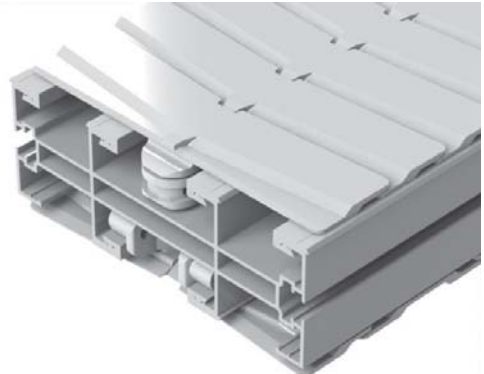
Examples of application industries

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		220 mm
Chain Pitch		44.5 mm
Chain Weight		3.40 kg/m
Max Tension	With Wheel Bend	1000 N
	Without Wheel Bend	1300 N
Max Product Weight	Horizontal Transport	25 kg
	Vertical Transport	15 kg
Total Load		400 Kg
Working Temperature		-10°C to 60°C
Max Conveyor Length		30m
Max Speed		50 m/min
Drive Unit Capacity		1300 N
Item Width		70-500 mm

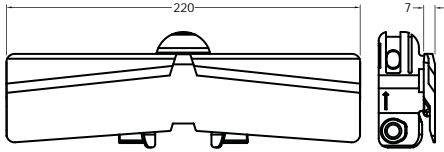
* Actual limit may vary according to conveyor layout and application.



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chains MX2

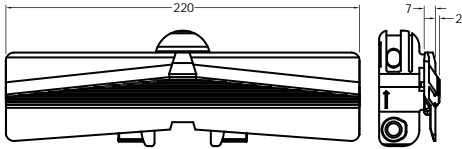
Plain Chain



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

Item Code	Chain Material	Colour	Weight	Supply
MX2 CP 5	POM	White	17.2kg/roll	5m/roll

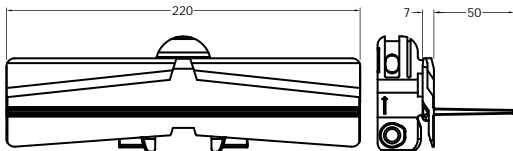
Friction Chain



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

Item Code	Chain Material	Colour	Weight	Supply
MX2 CF 5	POM	White	18.2kg/roll	5m/roll

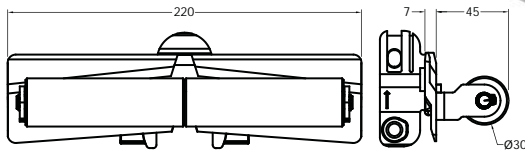
Cleated Chain



- Required for vertical or steeply inclined / declined conveyor.
- Accumulation not possible.
- Not suitable to be use with Combined and Catenary Drive.
- Pitch between cleat must be indicate while ordering. (eg. MX2 CC 3 4P = Every 4th link to be cleated).
- **Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
MX2 CC 3	POM	White	**kg/roll	3m/roll

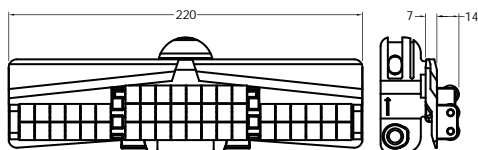
Roller Cleated Chain



- Required for vertical or steeply inclined / declined conveyor.
- Accumulation not possible.
- Not suitable to be use with Combined and Catenary Drive.
- Pitch between cleat must be indicate while ordering. (eg. MX2 CR 3 4P = Every 4th link to be cleated).
- **Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
MX2 CR 3	POM	White	**kg/roll	3m/roll

Roller Top Chain



- Accumulation possible.
- Low back force.
- Roller Material : POM

Item Code	Chain Material	Colour	Weight	Supply
MX2 TR 3	POM	White	22.0kg/roll	3m/roll

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Chain Accessories MX2



Lubricant For Chain

Item Code	Weight	Supply
MA SL	0.35kg	1pc

Silicone-based lubricant, 400ml



Chain Pivot

Item Code	Weight	Supply
ML2 PV	0.07kg	10pcs/pkt



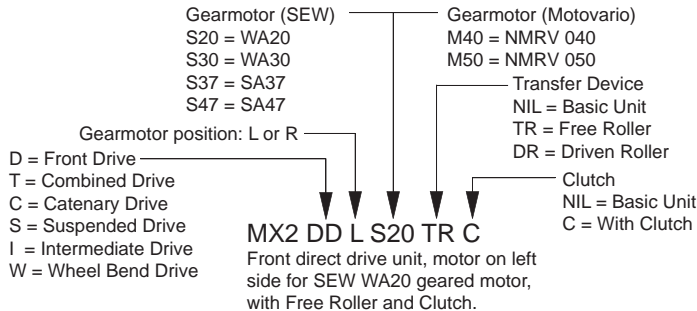
Stainless Steel Pin

Item Code	Weight	Supply
ML2 PN M8x73	0.28kg	10pcs/pkt

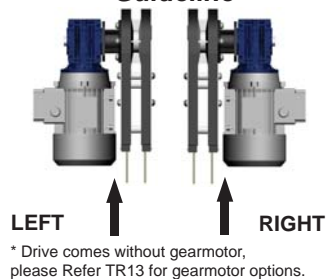
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Drive Units MX2

Item Code Guideline For Drive Units

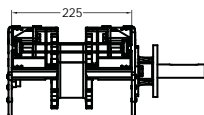
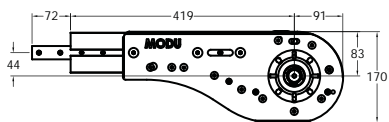


Motor Orientation Guideline



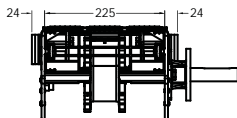
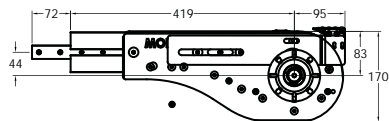
eg. Code for Basic unit; MX2 DT R M50 => Combined drive unit, motor on right side for Motovario NMRV 050 geared motor.

Front Drive Unit



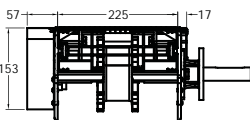
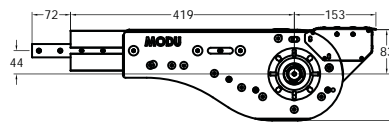
Basic Front Drive

With Driven Roller



Front Drive with Free Roller

With Free Roller



Front Drive with Driven Roller

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

Item Code	Weight	Supply
MX2 DD R/L S/M	8.5kg	1 Unit
MX2 DD R/L S/M TR (With Free Roller)	8.8kg	1 Unit
MX2 DD R/L S/M DR (With Driven Roller)	10.3kg	1 Unit

Effective track length: 1.16m

Traction force: 1300N

- Connecting strip and set screw included.

Notes:

- Basic unit come without safety cover.

- Refer "Safety Cover" for option.

- Max allowable chain elongation is 368mm from top conveyor to chain slack.

- Refer TR15 for chain effective track length calculation.

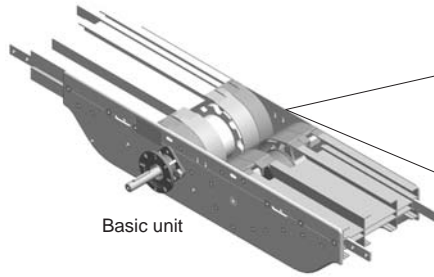
- Cleated Chain is not possible to use on drive with Free Roller or Driven Roller.

Please consult MODU representative for further information and assistance.

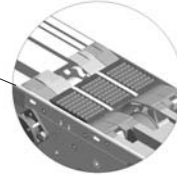
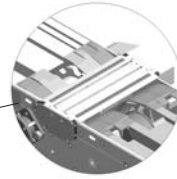
Units: Dimension (mm)

Drive Units MX2 (Continued)

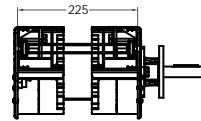
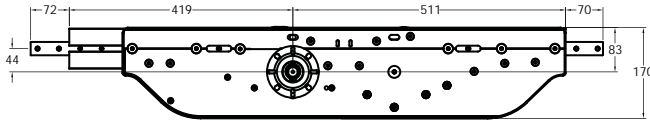
Combined Drive Unit



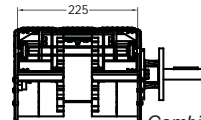
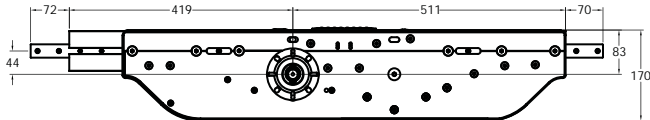
With Driven Roller



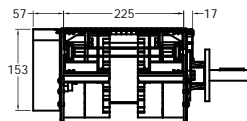
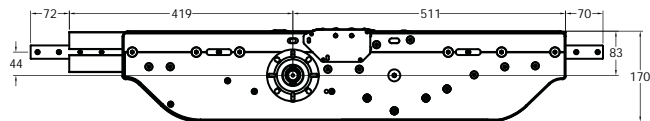
With Free Roller



Basic Combined Drive



Combined Drive with Free Roller



Combined Drive with Driven Roller

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

Item Code	Weight	Supply
MX2 DT R/L S/M	24.0kg	1 Unit
MX2 DT R/L S/M TR (With Free Roller)	24.2kg	1 Unit
MX2 DT R/L S/M DR (With Driven Roller)	26.0kg	1 Unit

Effective track length: 2.19m

Traction force: 1300N

- Connecting strip and set screw included.

Notes:

- Basic unit come without safety cover.

- Refer "Safety Cover" for option.

- Max allowable chain elongation is 368mm from top conveyor to chain slack.

- Refer TR15 for chain effective track length calculation.

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

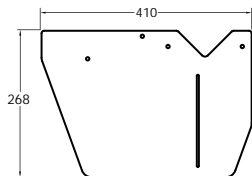
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Drive Units MX2 (Continued)

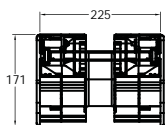
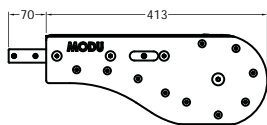
Safety Cover for Front Drive and Combined Drive (Option)



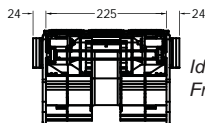
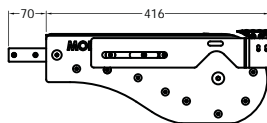
- Material : Stainless Steel

Item Code	Weight	Supply
SC 268	1.8kg	2 pcs/set

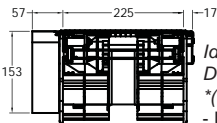
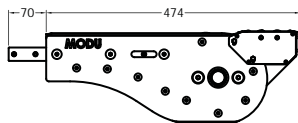
Idler End



Basic Idler End



Idler End with Free Roller



Idler End with Driven Roller *(Right)

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



Item Code	Weight	Supply
MX2 IE 400	8.4kg	1 Unit
MX2 IE 400 TR (With Free Roller)	8.6kg	1 Unit
MX2 IE 400 DR R/L (With Driven Roller)	10.4kg	1 Unit

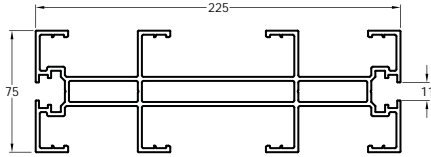
Effective track length: 1.02m

- Connecting strip and set screw included.

Notes:

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

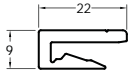
Conveyor Beam MX2



Item Code	Weight	Supply
MX2 CB 3	19.2kg	3m

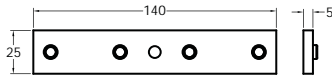


Accessories MX2



Slide Rail

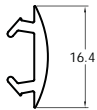
Item Code	Material	Colour	Weight	Supply
MA2 SR 25	HDPE	Pure white	2.8kg/roll	25m/roll
MA2 SR 25A	Anti-Static	Grey	2.8kg/roll	25m/roll
MA2 SR 25U	UHMW-PE	Semi-transparent white	3.5kg/roll	25m/roll



Connecting Strip

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

- 4 pcs M8 set screw included.



T-Slot Cover

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



Screw

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



Slide Rail Cutter

Item Code	Weight	Supply
MA SC	0.5kg	1 pc



Slide Rail Mounting Tool

Item Code	Weight	Supply
MX2 SRA	0.4kg	1 pc

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

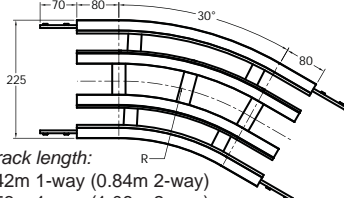
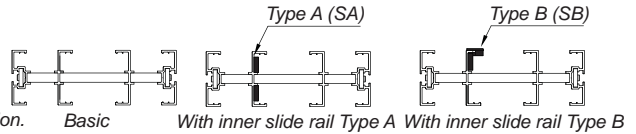
Horizontal Plain Bends MX2

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: 0.42m 1-way (0.84m 2-way)

R700: 0.53m 1-way (1.06m 2-way)

R1000: 0.68m 1-way (1.36m 2-way).

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

- Connecting strip and set screw included.

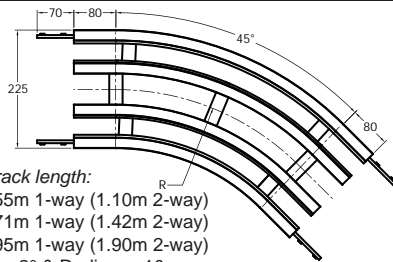
Horizontal Plain Bend, 30°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MX2 BP 30R500	500mm	3.8kg	1 set
MX2 BP 30R700	700mm	4.5kg	1 set
MX2 BP 30R1000	1000mm	5.5kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MX2 BP 30R500 SA	500mm	4.3kg	1 set
MX2 BP 30R700 SA	700mm	5.0kg	1 set
MX2 BP 30R1000 SA	1000mm	6.3kg	1 set



Effective track length:

R500: 0.55m 1-way (1.10m 2-way)

R700: 0.71m 1-way (1.42m 2-way)

R1000: 0.95m 1-way (1.90m 2-way)

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

- Connecting strip and set screw included.

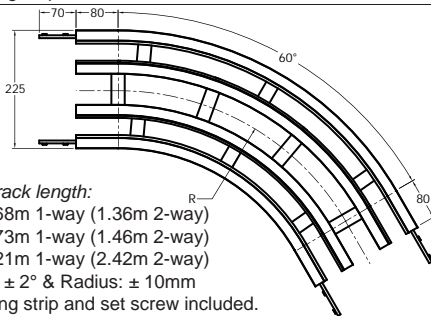
Horizontal Plain Bend, 45°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MX2 BP 45R500	500mm	4.6kg	1 set
MX2 BP 45R700	700mm	5.6kg	1 set
MX2 BP 45R1000	1000mm	7.2kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MX2 BP 45R500 SA	500mm	5.1kg	1 set
MX2 BP 45R700 SA	700mm	6.1kg	1 set
MX2 BP 45R1000 SA	1000mm	8.0kg	1 set



Effective track length:

R500: 0.68m 1-way (1.36m 2-way)

R700: 0.73m 1-way (1.46m 2-way)

R1000: 1.21m 1-way (2.42m 2-way)

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

- Connecting strip and set screw included.

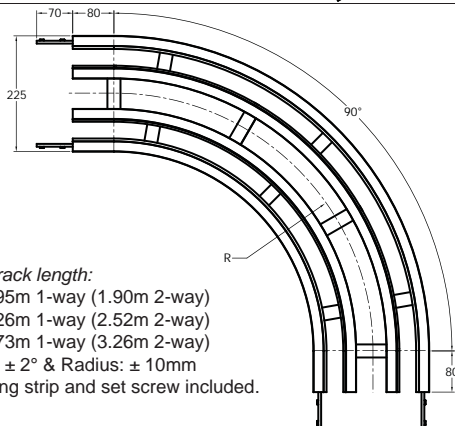
Horizontal Plain Bend, 60°

Without Inner Slide Rail

Item Code	R	Weight	Supply
MX2 BP 60R500	500mm	5.4kg	1 set
MX2 BP 60R700	700mm	5.8kg	1 set
MX2 BP 60R1000	1000mm	8.8kg	1 set

With Inner Slide Rail

Item Code	R	Weight	Supply
MX2 BP 60R500 SA	500mm	5.9kg	1 set
MX2 BP 60R700 SA	700mm	6.3kg	1 set
MX2 BP 60R1000 SA	1000mm	9.5kg	1 set



Effective track length:

R500: 0.95m 1-way (1.90m 2-way)

R700: 1.26m 1-way (2.52m 2-way)

R1000: 1.73m 1-way (3.26m 2-way)

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

- Connecting strip and set screw included.

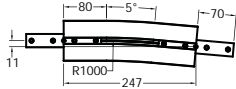
Notes:

- Non standard Plain Bends are available on request. Please refer MODU representative for detail.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

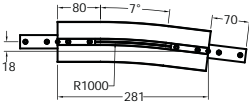
Vertical Bends MX2



Vertical Bend, 5°

Item Code	Weight	Supply
MX2 BV 5R1000	2.1kg	1 set

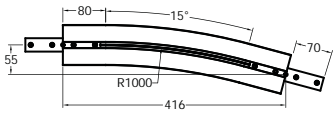
Effective track length:
 R1000: 0.25m 1-way (0.5m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and set screw included.



Vertical Bend, 7°

Item Code	Weight	Supply
MX2 BV 7R1000	2.3kg	1 set

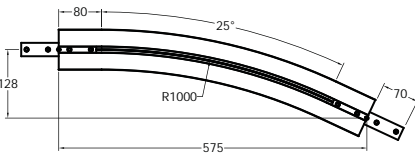
Effective track length:
 R1000: 0.28m 1-way (0.56m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and set screw included.



Vertical Bend, 15°

Item Code	Weight	Supply
MX2 BV 15R1000	3.2kg	1 set

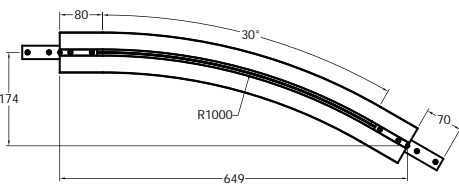
Effective track length:
 R1000: 0.42m 1-way (0.84m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and set screw included.



Vertical Bend, 25°

Item Code	Weight	Supply
MX2 BV 25R1000	4.3kg	1 set

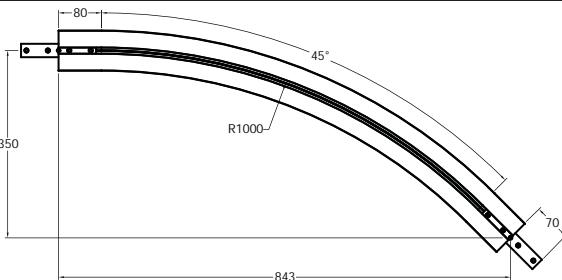
Effective track length:
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and set screw included.



Vertical Bend, 30°

Item Code	Weight	Supply
MX2 BV 30R1000	5.6kg	1 set

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



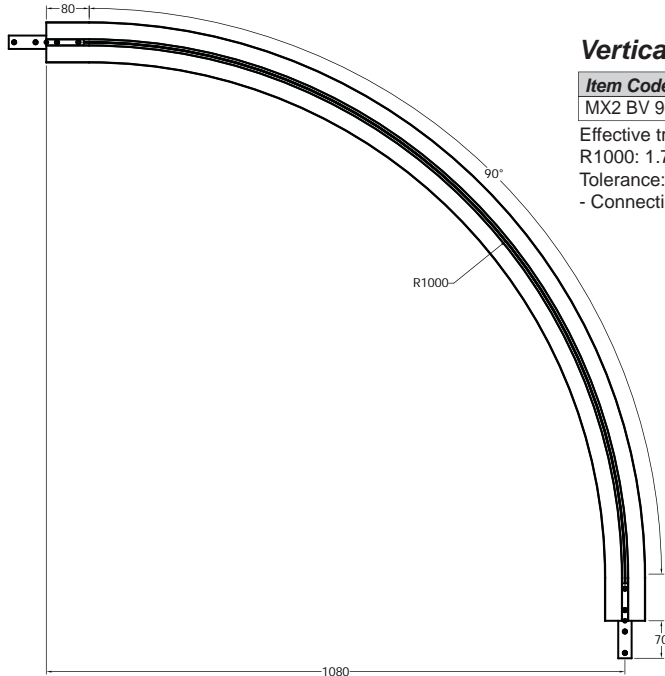
Vertical Bend, 45°

Item Code	Weight	Supply
MX2 BV 45R1000	6.6kg	1 set

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

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Vertical Bends MX2 (Continued)



Vertical Bend, 90°

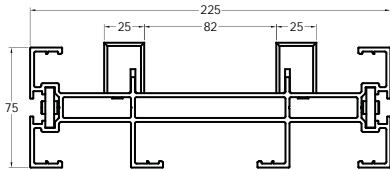
Item Code	Weight	Supply
MX2 BV 90R1000	11.6kg	1 set

Effective track length:
 R1000: 1.73m 1-way (3.46m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and set screw included.

Notes:

- Non standard Vertical Bends are not available.

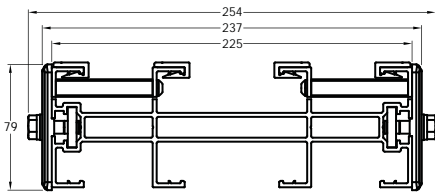
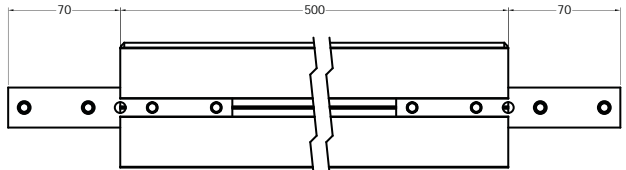
Beam Section For Chain Installation



Type A

Item Code	Weight	Supply
MX2 LU 500	4.0kg	1 set

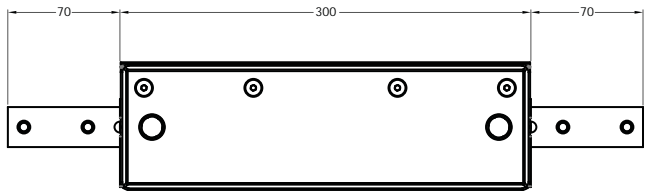
- Connecting strip and set screw included.



Type B

Item Code	Weight	Supply
MX2 CIS 300	3.5kg	1 set

- Slide rail, connecting strip and set screw included.

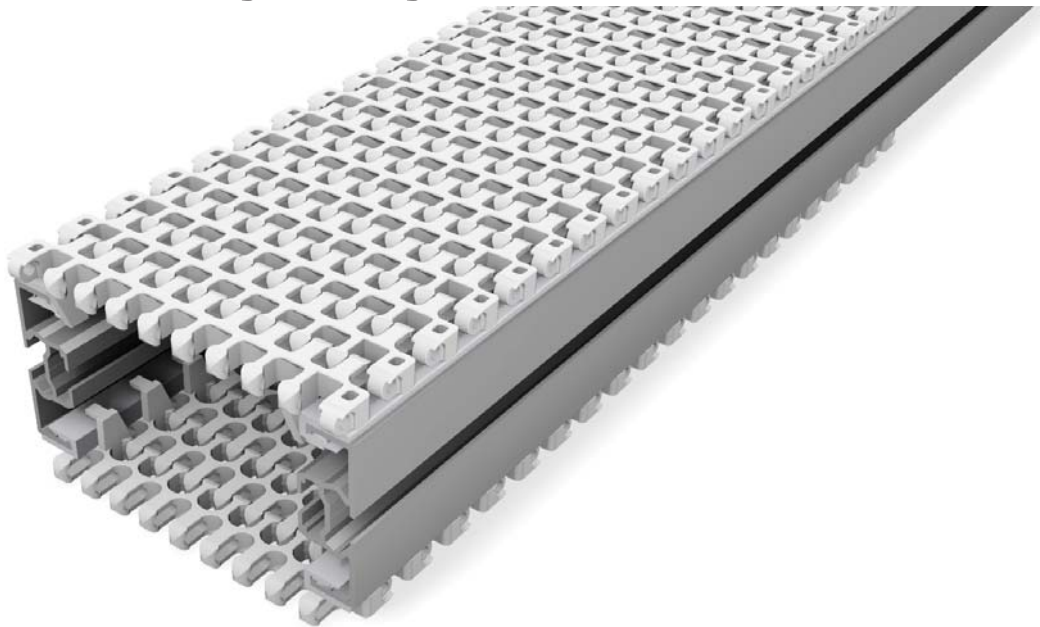


NEW!

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Conveyor System MO



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Description

165mm width thermoplastic chain with aluminium frame conveyor system

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

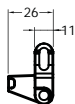
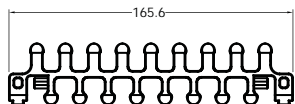
Technical characteristics

Chain Width			165mm
Chain Pitch			25.4mm
Chain Weight	PP		1.19kg/m
	POM		1.6kg/m
Max Tension	PP	With Bend	650N
		Without Bend	900N
	POM	With Bend	900N
		Without Bend	1100N
Max Product Weight*			15kg
Total Load*			150Kg
Working Temperature*	PP		0°C to 60°C
	POM		-10°C to 60°C
Max Conveyor Length*	PP		20m
	POM		30m
Max Speed*			50 m/min
Item Width*			25-250mm

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

Chains MO

Plastic Belt



- Suitable for conveyor configuration with incline/decline up to 5°.
- Accumulation not possible.

Item Code	Chain Material	Colour	Weight	Supply
MO CP 5	POM	White	8.0kg/roll	5m/roll

Chain Accessories MO



Lubricant For Chain

Item Code	Weight	Supply
MA SL	0.35kg	1pc

Silicone-based lubricant, 400ml

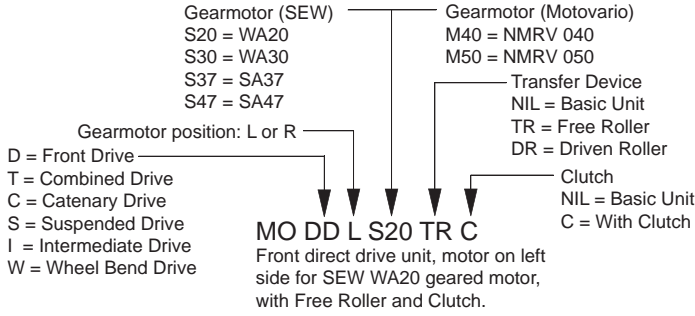


Belt Locks

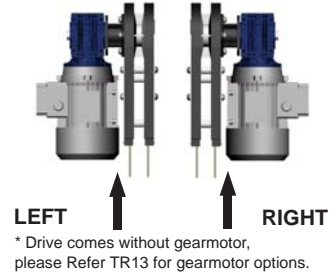
Item Code	Weight	Supply
MA CL	0.20kg	10pcs/pkt

Drive Units MO

Item Code Guideline For Drive Units

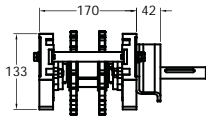
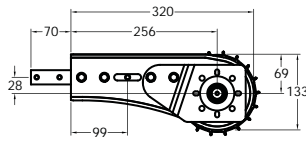


Motor Orientation Guideline



eg. Code for Basic unit; MO DS R M50 => Suspended drive unit, motor on right side for Motovario NMRV 050 geared motor.

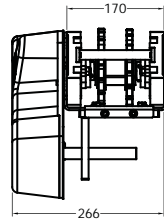
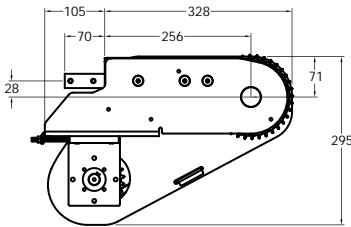
Front Drive Unit



Item Code	Weight	Supply
MO DD R/L S/M	5.3kg	1 Unit

Effective track length: 0.8m
 Traction force: 1000N
 - Connecting strip and set screw included.
 Notes:
 - Refer TR15 for chain effective track length calculation.

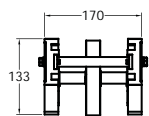
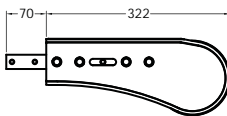
Suspended Drive Unit



Item Code	Weight	Supply
MO DS R/L S/M (Without Clutch)	14.0kg	1 Unit
MO DS R/L S/M C (With Clutch)	17.0kg	1 Unit

Effective track length: 0.8m
 Traction force: 1000N
 - Connecting strip and set screw included.
 Notes:
 - Refer TR15 for chain effective track length calculation.

Idler End



Item Code	Weight	Supply
MO IE 320	3.5kg	1 Unit

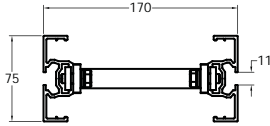
Effective track length: 0.8m
 - Connecting strip and set screw included.
 Notes:
 - Refer TR15 for chain effective track length calculation.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

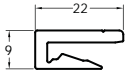
Conveyor Beam MO



Item Code	Weight	Supply
MO CB 3	10.2kg	3m

Accessories MO

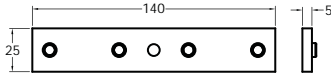
Slide Rail



Item Code	Material	Colour	Weight	Supply
MA2 SR 25	HDPE	Pure white	2.8kg/roll	25m/roll
MA2 SR 25A	Anti-Static	Grey	2.8kg/roll	25m/roll
MA2 SR 25U	UHMW-PE	Semi-transparent white	3.5kg/roll	25m/roll

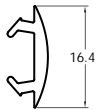


Connecting Strip



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

- 4 pcs M8 set screw included.



T-Slot Cover

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



Screw

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



Slide Rail Cutter

Item Code	Weight	Supply
MA SC	0.5kg	1 pc



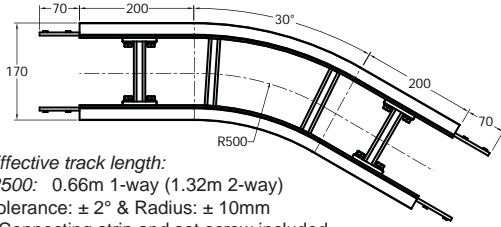
Slide Rail Assembling Tool

Item Code	Weight	Supply
MT SRA	0.4kg	1 pc

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

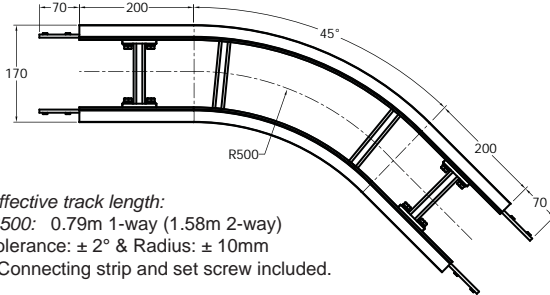
Horizontal Plain Bends MO



Effective track length:
 R500: 0.66m 1-way (1.32m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Horizontal Plain Bend, 30°

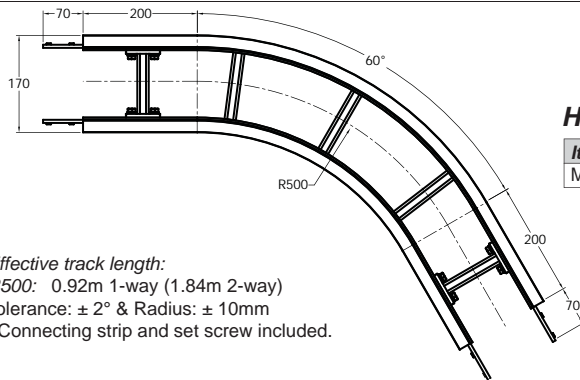
Item Code	R	Weight	Supply
MO BP 30R500	500mm	3.5kg	1 set



Effective track length:
 R500: 0.79m 1-way (1.58m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Horizontal Plain Bend, 45°

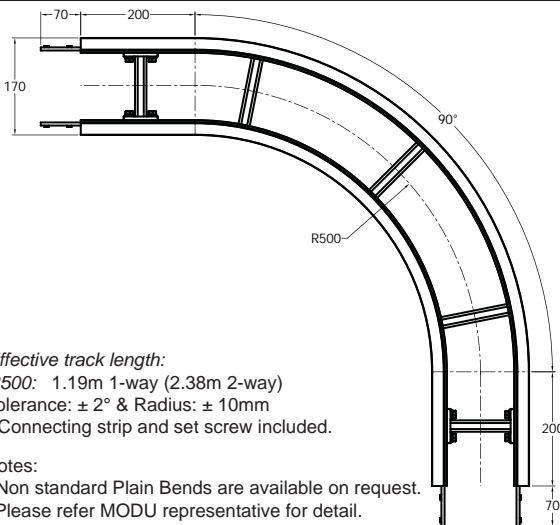
Item Code	R	Weight	Supply
MO BP 45R500	500mm	4.0kg	1 set



Effective track length:
 R500: 0.92m 1-way (1.84m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Horizontal Plain Bend, 60°

Item Code	R	Weight	Supply
MO BP 60R500	500mm	4.5kg	1 set



Effective track length:
 R500: 1.19m 1-way (2.38m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Notes:
 - Non standard Plain Bends are available on request.
 Please refer MODU representative for detail.

Horizontal Plain Bend, 90°

Item Code	R	Weight	Supply
MO BP 90R500	500mm	5.0kg	1 set

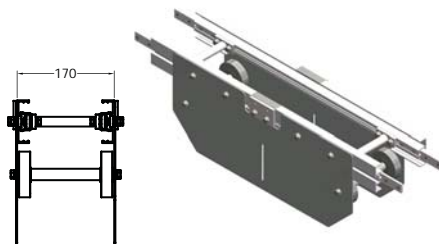
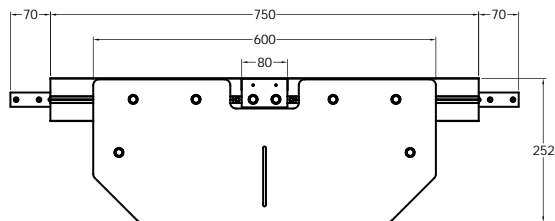
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Components MO

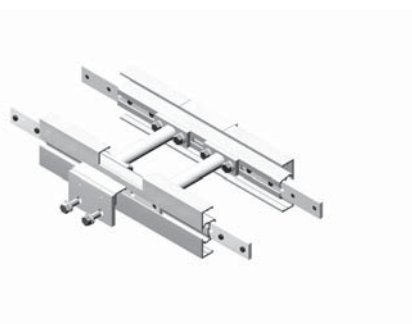
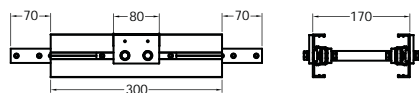
Chain Elongation Section



Item Code	Weight	Supply
MO CSS 750	9.5kg	1 Unit

- Connecting strip and set screw included.

Chain Installation Section



Item Code	Weight	Supply
MO CIS 300	2.5kg	1 Unit

- Connecting strip and set screw included.

Conveyor System MT



Description

350mm width thermoplastic chain with aluminium frame conveyor system

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			350mm
Chain Pitch			25.4mm
Chain Weight	PP		2.52kg/m
	POM		3.5kg/m
Max Tension	PP	With Bend	750N
		Without Bend	1000N
	POM	With Bend	1000N
		Without Bend	1300N
Max Product Weight*			20kg
Total Load*			250kg
Working Temperature*	PP		0°C to 60°C
	POM		-10°C to 60°C
Max Conveyor Length*	PP		20m
	POM		30m
Max Speed*			50 m/min
Item Width*			<500mm

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

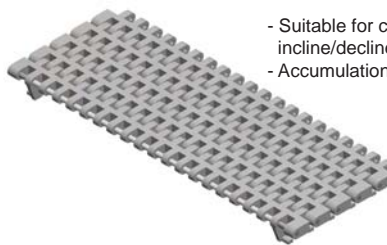
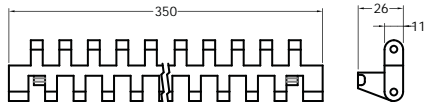
* Maximum total off 90° bends in one conveyor.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Chains MT

Plastic Belt



- Suitable for conveyor configuration with incline/decline up to 5°.
- Accumulation not possible.

Item Code	Chain Material	Colour	Weight	Supply
MT CP 5	POM	White	17.5kg/roll	5m/roll
MT CP 5P	PP	White	12.6kg/roll	5m/roll

Chain Accessories MT



Lubricant For Chain

Item Code	Weight	Supply
MA SL	0.35kg	1pc

Silicone-based lubricant, 400ml

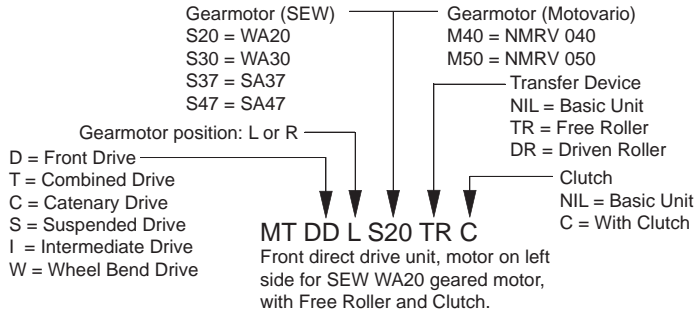


Belt Locks

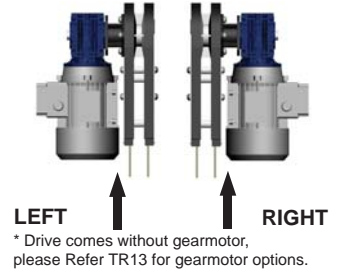
Item Code	Weight	Supply
MA CL	0.20kg	10pcs/pkt

Drive Units MT

Item Code Guideline For Drive Units

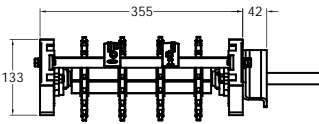
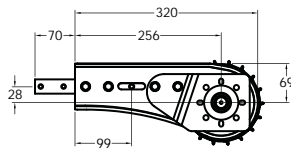


Motor Orientation Guideline



eg. Code for Basic unit; MT DS R M50 => Suspended drive unit, motor on right side for Motovario NMRV 050 geared motor.

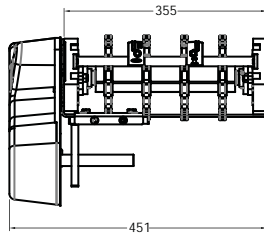
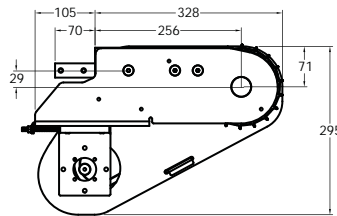
Front Drive Unit



Item Code	Weight	Supply
MT DD R/L S/M	6.6kg	1 Unit

Effective track length: 0.8m
Traction force: 1500N
- Connecting strip and set screw included.
Notes:
- Refer TR15 for chain effective track length calculation.

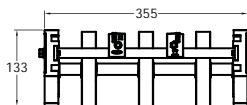
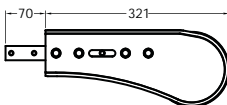
Suspended Drive Unit



Item Code	Weight	Supply
MT DS R/L S/M (Without Clutch)	15.8kg	1 Unit
MT DS R/L S/M C (With Clutch)	18.2kg	1 Unit

Effective track length: 0.8m
Traction force: 1500N
- Connecting strip and set screw included.
Notes:
- Refer TR15 for chain effective track length calculation.

Idler End



Item Code	Weight	Supply
MT IE 320	5.0kg	1 Unit

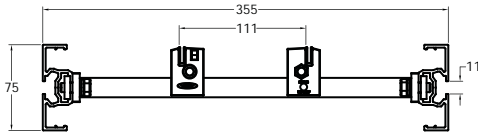
Effective track length: 0.8m
- Connecting strip and set screw included.
Notes:
- Refer TR15 for chain effective track length calculation.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

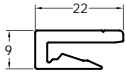
Conveyor Beam MT



Item Code	Weight	Supply
MT CB 3	13.0kg	3m

Accessories MT

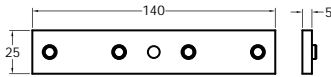
Slide Rail



Item Code	Material	Colour	Weight	Supply
MA2 SR 25	HDPE	Pure white	2.8kg/roll	25m/roll
MA2 SR 25A	Anti-Static	Grey	2.8kg/roll	25m/roll
MA2 SR 25U	UHMW-PE	Semi-transparent white	3.5kg/roll	25m/roll



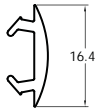
Connecting Strip



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

- 4 pcs M8 set screw included.

T-Slot Cover



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



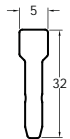
Screw

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



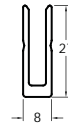
Slide Rail Cutter

Item Code	Weight	Supply
MA SC	0.5kg	1 pc



Center Support Slide Rail

Item Code	Material	Colour	Weight	Supply
MA2 SR C	HDPE	White	3.2kg/roll	25m/roll



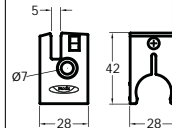
Center Slide Rail Support Frame

Item Code	Weight	Supply
MA FSR 3	0.30kg	3m



Slide Rail Assembling Tool

Item Code	Weight	Supply
MT SRA	0.4kg	1 pc



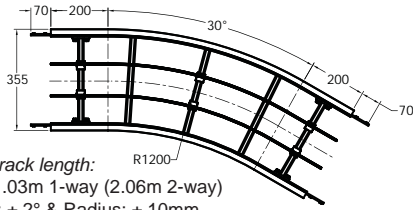
Center Slide Rail Support Bracket

Item Code	Weight	Supply
MA BSR 5	0.6kg	10pcs/pkt

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

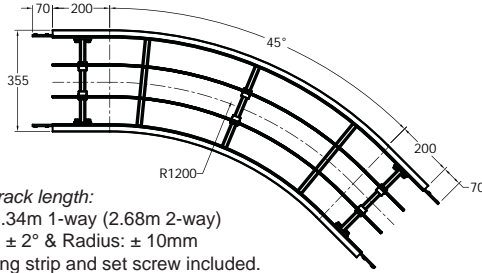
Horizontal Plain Bends MT



Effective track length:
 R1200: 1.03m 1-way (2.06m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Horizontal Plain Bend, 30°

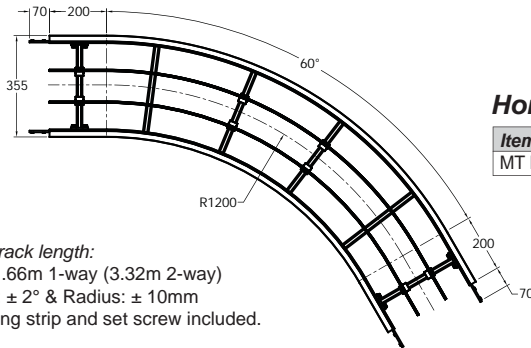
Item Code	R	Weight	Supply
MT BP 30R1200	1200mm	5.0kg	1 set



Effective track length:
 R1200: 1.34m 1-way (2.68m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Horizontal Plain Bend, 45°

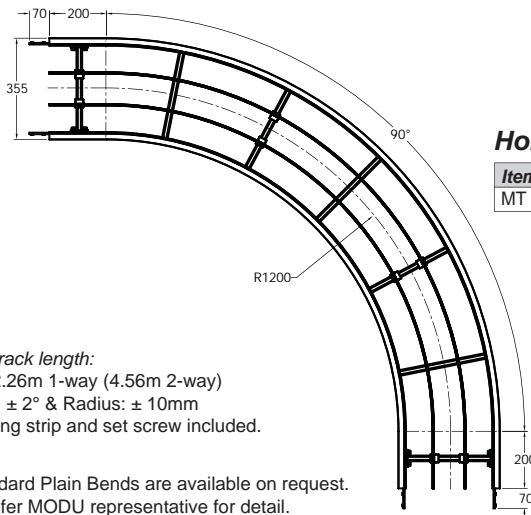
Item Code	R	Weight	Supply
MT BP 45R1200	1200mm	6.5kg	1 set



Effective track length:
 R1200: 1.66m 1-way (3.32m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Horizontal Plain Bend, 60°

Item Code	R	Weight	Supply
MT BP 60R1200	1200mm	9.0kg	1 set



Effective track length:
 R1200: 2.26m 1-way (4.56m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and set screw included.

Notes:
 - Non standard Plain Bends are available on request.
 Please refer MODU representative for detail.

Horizontal Plain Bend, 90°

Item Code	R	Weight	Supply
MT BP 90R1200	1200mm	10.5kg	1 set

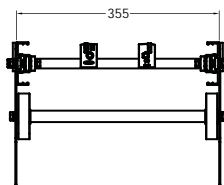
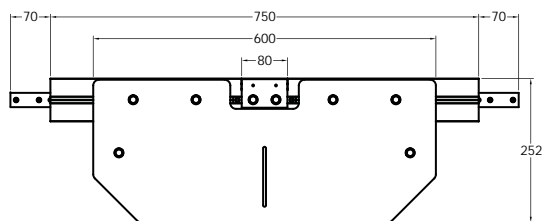
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Components MT

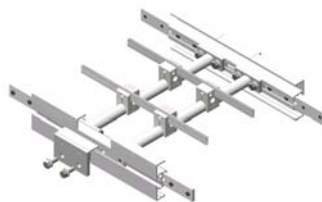
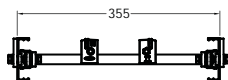
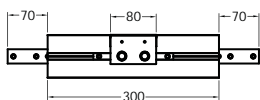
Chain Elongation Section



Item Code	Weight	Supply
MT CSS 750	11.0kg	1 Unit

- Connecting strip and set screw included.

Chain Installation Section



Item Code	Weight	Supply
MT CIS 300	3.0kg	1 Unit

- Connecting strip and set screw included.

Conveyor Guide MG



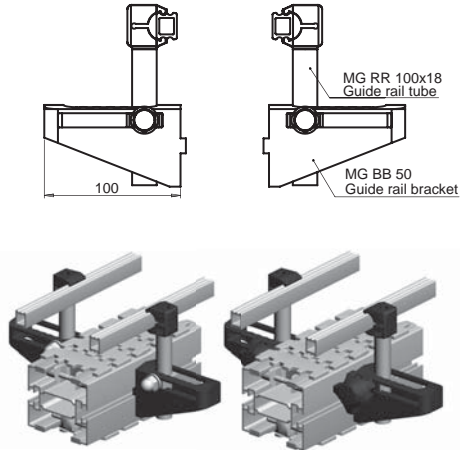
- AP
- TR
- MS2
- MM3
- ML2
- MX2
- MO
- MT
- MG**
- MB
- MA
- DS2
- DM3
- DL2
- DX2
- DG
- DB
- DA
- SD
- SE
- TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Guide Configuration MG

Guide Assembly - Type 1 (G1 & G1K)



Supply:

- Items are supplied individually.

Features:

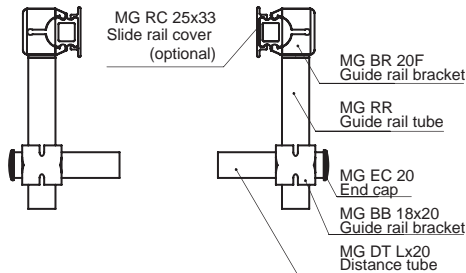
- Height & width adjustable by single dome nut or knob.
 - Adjustment every 10mm on one side and other side continuous adjustment.

Option:

- PE Guide rail cover (MG RC 25x23 or MG RC 25x33)

Series	Width Adjustment		Item Code	Description
	Min	Max		
MS2	70	170	MS G1	M10 dome nut
	70	170	MS G1K	With knob
MM3	90	190	MM G1	M10 dome nut
	90	190	MM G1K	With knob
ML2	150	250	ML G1	M10 dome nut
	150	250	ML G1K	With knob
MX2	230	330	MX G1	M10 dome nut
	230	330	MX G1K	With knob
MO	170	270	MO G1	M10 dome nut
	170	270	MO G1K	With knob
MT	360	460	MT G1	M10 dome nut
	360	460	MT G1K	With knob

Guide Assembly - Type 2 (G2)



Supply:

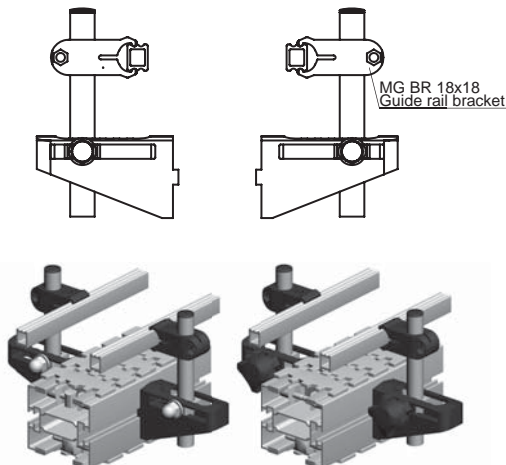
- Items are supplied individually.

Features:

- Height and width adjustable
 - Distance tube standard width:
 - 100, 150 & 200mm
 - Other size, please specify.
 - Minimum order of 10 set for non standard length.

Series	Item Code
MS2	MS G2
MM3	MM G2
ML2	ML G2
MX2	MX G2
MO	MO G2
MT	MT G2

Guide Assembly - Type 3 (G3 & G3K)



Supply:

- Items are supplied individually.

Features:

- Height & width adjustable by single dome nut or knob.
 - Adjustment every 10mm on one side and other side continuous adjustment.

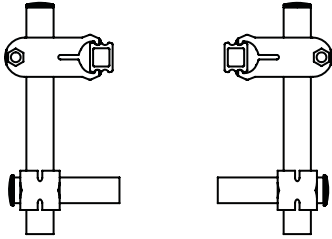
Option:

- PE Guide rail cover (MG RC 25x23 or MG RC 25x33)

Series	Width Adjustment		Item Code	Description
	Min	Max		
MS2	25	125	MS G3	M10 dome nut
	25	125	MS G3K	With knob
MM3	45	145	MM G3	M10 dome nut
	45	145	MM G3K	With knob
ML2	100	200	ML G3	M10 dome nut
	100	200	ML G3K	With knob
MX2	185	285	MX G3	M10 dome nut
	185	285	MX G3K	With knob
MO	125	225	MO G3	M10 dome nut
	125	225	MO G3K	With knob
MT	310	410	MT G3	M10 dome nut
	310	410	MT G3K	With knob

Guide Configuration MG (continued)

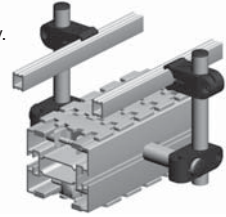
Guide Assembly - Type 4 (G4)



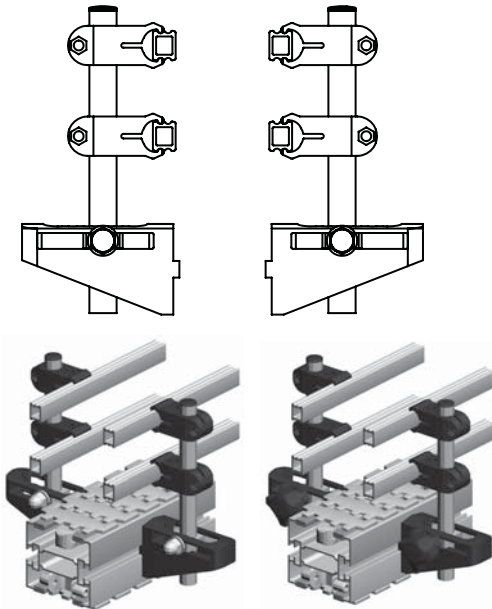
Supply:
- Items are supplied individually.

Features:
- Height and width adjustable
- Distance tube standard width:
- 100, 150 & 200mm
- Other size, please specify.
- Minimum order of 10 set for non standard length.

Series	Item Code
MS2	MS G4
MM3	MM G4
ML2	ML G4
MX2	MX G4
MO	MO G4
MT	MT G4



Guide Assembly - Type 5 (G5 & G5K)



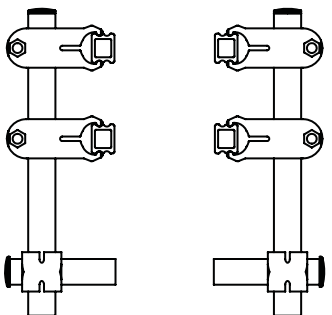
Supply:
- Items are supplied individually.

Features:
- Height & width adjustable by single dome nut or knob.
- Adjustment every 10mm on one side and other side continuous adjustment.

Option:
- PE Guide rail cover (MG RC 25x23 or MG RC 25x33)

Series	Width Adjustment		Item Code	Description
	Min	Max		
MS2	25	125	MS G5	M10 dome nut
	25	125	MS G5K	With knob
MM3	45	145	MM G5	M10 dome nut
	45	145	MM G5K	With knob
ML2	100	200	ML G5	M10 dome nut
	100	200	ML G5K	With knob
MX2	185	285	MX G5	M10 dome nut
	185	285	MX G5K	With knob
MO	125	225	MO G5	M10 dome nut
	125	225	MO G5K	With knob
MT	310	410	MT G5	M10 dome nut
	310	410	MT G5K	With knob

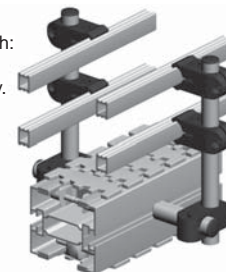
Guide Assembly - Type 6 (G6)



Supply:
- Items are supplied individually.

Features:
- Height and width adjustable
- Distance tube standard width:
- 100, 150 & 200mm
- Other size, please specify.
- Minimum order of 10 set for non standard length.

Series	Item Code
MS2	MS G6
MM3	MM G6
ML2	ML G6
MX2	MX G6
MO	MO G6
MT	MT G6



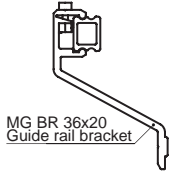
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

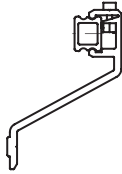
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Guide Configuration MG (continued)

Guide Assembly - Type 7 (G7)



MG BR 36x20
Guide rail bracket



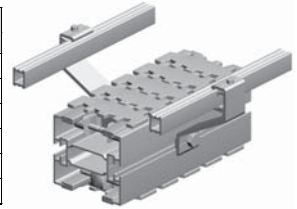
Supply:

- Items are supplied individually.

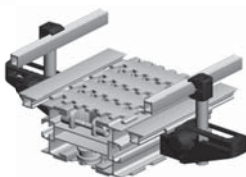
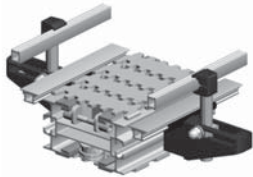
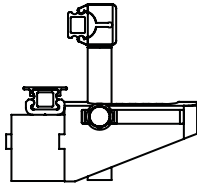
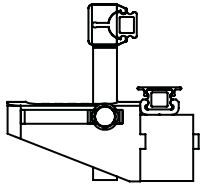
Option:

- PE Guide rail cover (MG RC 25x23 or MG RC 25x33)

Series	Width		Item Code
	Maximum		
MS2	137.5		MS G7
MM3	157.5		MM G7
ML2	216.5		ML G7
MX2	296.5		MX G7
MO	237.5		MO G7
MT	427.5		MT G7



Guide Assembly - Type 8 (G8 & G8K)



Supply:

- Items are supplied individually.

Features:

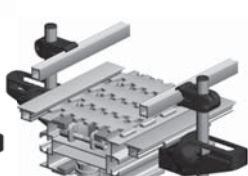
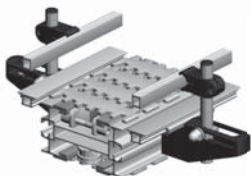
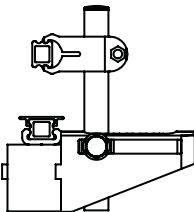
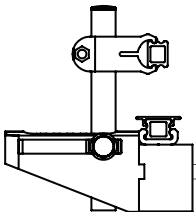
- Height & width adjustable by single dome nut or knob.
- Adjustment every 10mm on one side and other side continuous adjustment.

Option:

- PE Guide rail cover (MG RC 25x23 or MG RC 25x33)

Series	Width Adjustment		Item Code	Description
	Min	Max		
ML2	230	330	ML G8	M10 dome nut
	230	330	ML G8K	With knob
MX2	310	410	MX G8	M10 dome nut
	310	410	MX G8K	With knob
MO	250	350	MO G8	M10 dome nut
	250	350	MO G8K	With knob
MT	440	540	MT G8	M10 dome nut
	440	540	MT G8K	With knob

Guide Assembly - Type 9 (G9 & G9K)



Supply:

- Items are supplied individually.

Features:

- Height & width adjustable by single dome nut or knob.
- Adjustment every 10mm on one side and other side continuous adjustment.

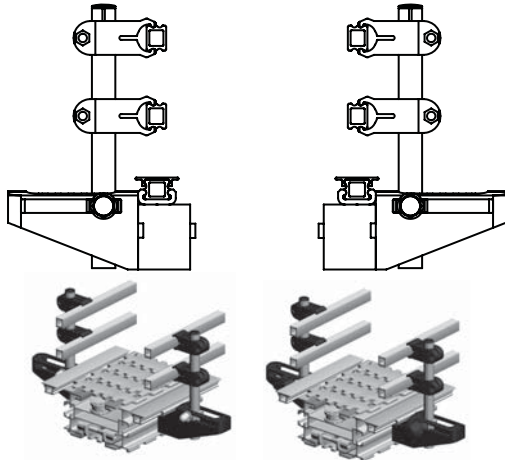
Option:

- PE Guide rail cover (MG RC 25x23 or MG RC 25x33)

Series	Width Adjustment		Item Code	Description
	Min	Max		
ML2	175	275	ML G9	M10 dome nut
	175	275	ML G9K	With knob
MX2	255	355	MX G9	M10 dome nut
	255	355	MX G9K	With knob
MO	200	400	MO G9	M10 dome nut
	200	400	MO G9K	With knob
MT	385	485	MT G9	M10 dome nut
	385	485	MT G9K	With knob

Guide Configuration MG (continued)

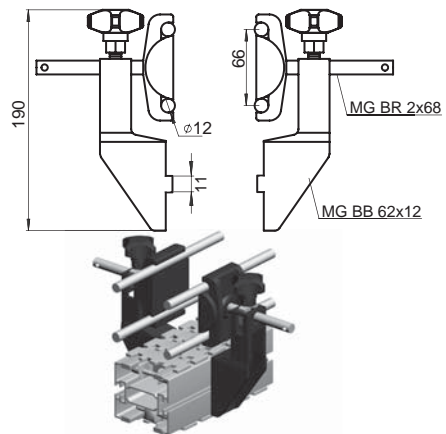
Guide Assembly - Type 10 (G10 & G10K)



- Supply:**
 - Items are supplied individually.
- Features:**
 - Height & width adjustable by single dome nut or knob.
 - Adjustment every 10mm on one side and other side continuous adjustment.
- Option:**
 - PE Guide rail cover (MG RC 25x23 or MG RC 25x33)

Series	Width Adjustment		Item Code	Description
	Min	Max		
ML2	175	275	ML G10	M10 dome nut
	175	275	ML G10K	With knob
MX2	255	355	MX G10	M10 dome nut
	255	355	MX G10K	With knob
MO	200	400	MO G10	M10 dome nut
	200	400	MO G10K	With knob
MT	385	485	MT G10	M10 dome nut
	385	485	MT G10K	With knob

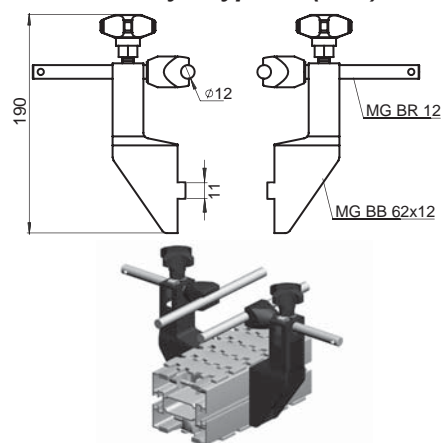
Guide Assembly - Type 11 (G11)



- Supply:**
 - Items are supplied individually.
- Features:**
 - Width adjustable by single knob

Series	Width Adjustment		Item Code
	Maximum		
MS2	55		MS G11
MM3	75		MM G11
ML2	135		ML G11
MX2	215		MX G11
MO	155		MO G11
MT	345		MT G11

Guide Assembly - Type 12 (G12)



- Supply:**
 - Items are supplied individually.
- Features:**
 - Width adjustable by single knob

Series	Width Adjustment		Item Code
	Maximum		
MS2	60		MS G12
MM3	80		MM G12
ML2	140		ML G12
MX2	220		MX G12
MO	160		MS G12
MT	350		MM G12

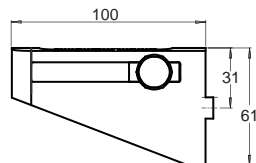
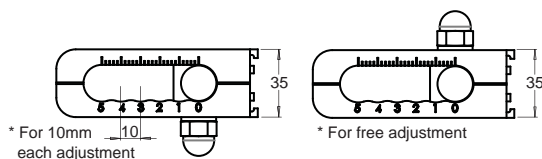
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Guide Rail Brackets MG

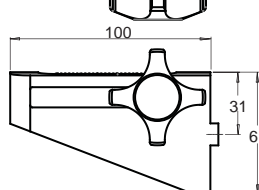
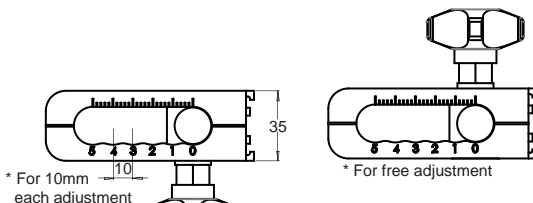
Guide Rail Bracket



- M10 dome nut and eye bolt included

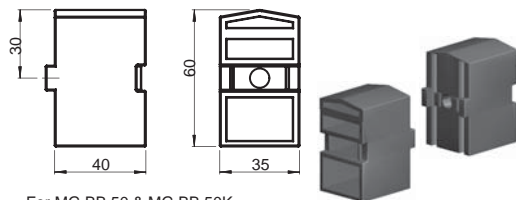
Item Code	Weight	Supply
MG BB 50N	0.13kg	1 set

Guide Rail Bracket



Item Code	Weight	Supply
MG BB 50K	0.16kg	1 set

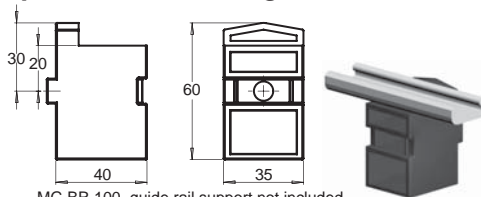
Spacer



- For MG BB 50 & MG BB 50K

Item Code	Weight	Supply
MG BS 40	0.04kg	1 pc

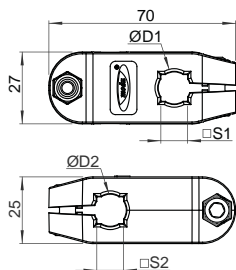
Spacer with bottom guide



- MG BR 100, guide rail support not included
- For MG BB 50 & MG BB 50K

Item Code	Weight	Supply
MG BS 40G	0.06kg	1 pc

Guide Rail Bracket

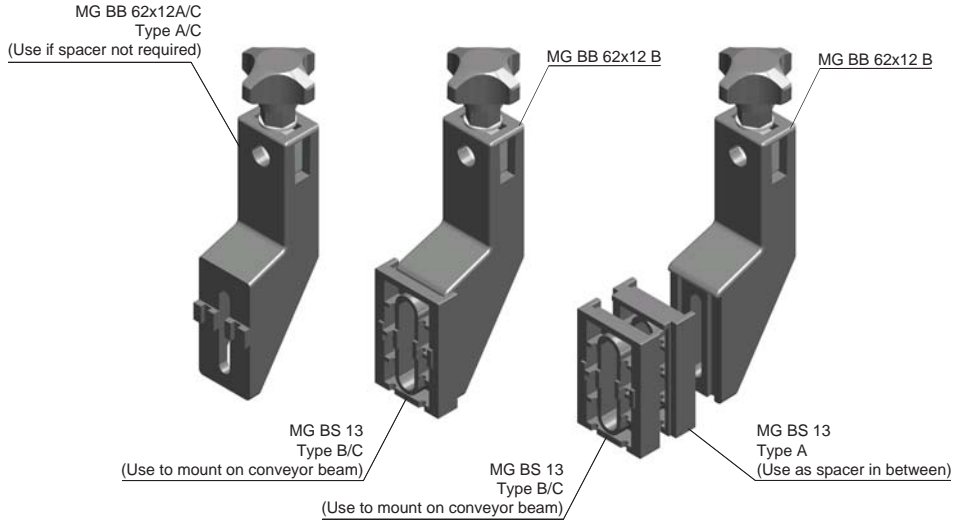


- Screws included

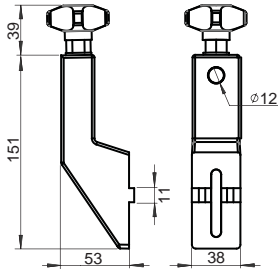
Item Code	D1 (mm)	S1 (mm)	D2 (mm)	S2 (mm)	Weight	Supply
MG BB2 12x12	12	10	12	10	0.06kg	10pcs/pkt
MG BB2 18x18	18	15	18	15	0.06kg	10pcs/pkt
MG BB2 18x20	18	15	20	16	0.06kg	10pcs/pkt
MG BB2 20x20	20	16	20	16	0.06kg	10pcs/pkt

Guide Rail Bracket MG (continued)

Guide Rail Bracket



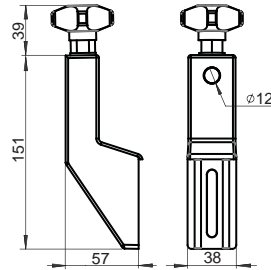
Guide Rail Bracket Type A/C



- Type A for MM3, ML2, MX2, MO & MT
- Type C for MS2

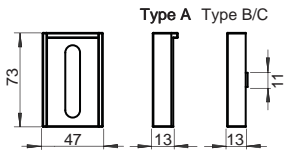
Item Code	Weight	Supply
MG BB 62x12 A/C	0.25kg	1 pc

Guide Rail Bracket Type B



Item Code	Weight	Supply
MG BB 62x12 B	0.25kg	1 pc

Spacer Type A/B/C



- Type A use to increase width by nX13mm (where n=no. of spacer use)
- Type B for MM3, ML2, MX2, MO & MT
- Type C for MS2

Item Code	Weight	Supply
MG BS 13 A/B/C	0.04kg	1 pc

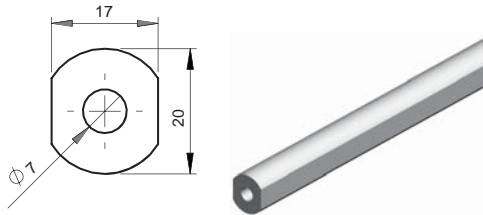
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Guide Rail Accessories MG

Distance Tube

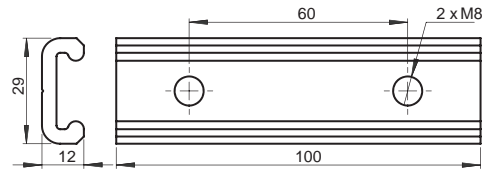


- Standard Length, L = 70mm or 100mm
- Non standard length to be specified

Item Code	Weight	Supply
MG DT 3x20	5.0kg	3m
MG DT 70x20	0.5kg	10pcs/pkt
MG DT 100x20	0.5kg	10pcs/pkt
MG DT Lx20		10pcs/pkt

Single side tap
M8x25

Connecting Sleeve



- For MG RR 3x20
- Set screws included

Item Code	Weight	Supply
MG RC 100	0.5kg	10pcs/pkt

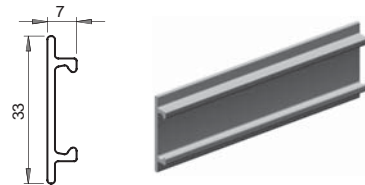
PE Guide Rail Cover



- Used with rectangular guide rail (MG RR 3x20)

Item Code	Weight	Supply
MG RC 25x23	1.4kg	25m

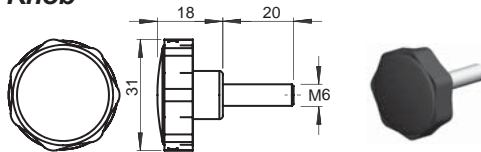
PE Guide Rail Cover



- Used with rectangular guide rail (MG RR 3x20)

Item Code	Weight	Supply
MG RC 25x33	1.5kg	25m

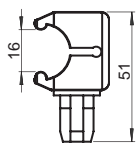
Knob



Item Code	Weight	Supply
MG BK 20	0.01kg	1 pc

Guide Rail Supports MG

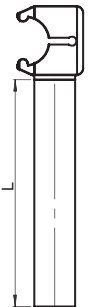
Guide Rail Support



Item Code	Weight	Supply
MG BR 20F	0.25kg	10pcs/pkt



Guide Rail Support with Tube

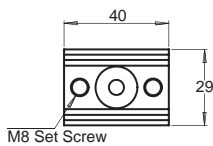
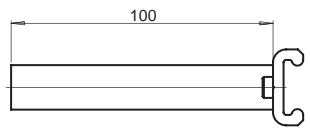


- MG BR 20F bracket preassembled with guide rail tube, Ø18mm
- Standard length, L = 100, 150, 200mm or to be specified

Item Code	Weight	Supply
MG BR 20Fx100	0.65kg	10pcs/pkt
MG BR 20Fx150	0.75kg	10pcs/pkt
MG BR 20Fx200	0.95kg	10pcs/pkt
MG BR 20FxL		10pcs/pkt



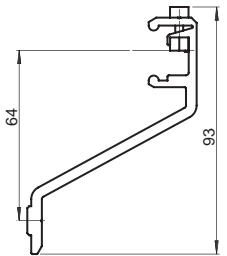
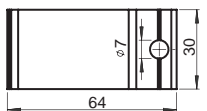
Guide Rail Support



Item Code	Weight	Supply
MG BR 40H	0.1kg	1 pc



Guide Rail Support

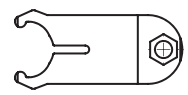
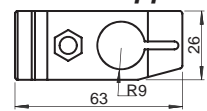


- fixed height and width

Item Code	Weight	Supply
MG BR 36x20	0.5kg	10pcs/pkt



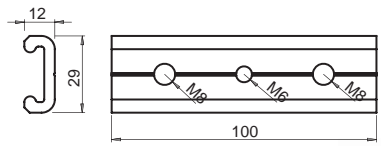
Guide Rail Support



Item Code	Weight	Supply
MG BR 18x18	0.4kg	10pcs/pkt

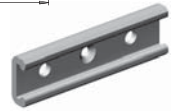


Guide Rail Support

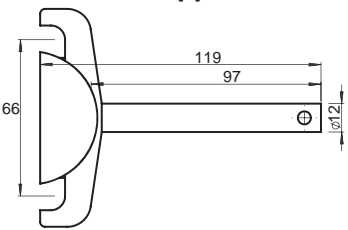


- Guide rail support mounting to MG BS 40G
- Set screws included

Item Code	Weight	Supply
MG BR 100	0.5kg	10pcs/pkt



Guide Rail Support

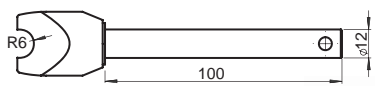


- Double clamp for 12mm diameter shaft.

Item Code	Weight	Supply
MG BR 2x68	0.2kg	1 pc



Guide Rail Support



- Single clamp for 12mm diameter shaft.

Item Code	Weight	Supply
MG BR 12	0.1kg	1 pc



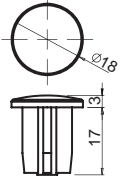
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

End Caps MG

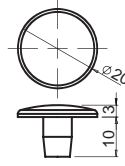
End Cap, Ø18mm



- For MG RR 3x18

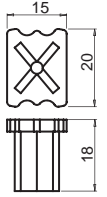
Item Code	Weight	Supply
MG EC 18	0.04kg	50pcs/pkt

End Cap, Ø20mm



Item Code	Weight	Supply
MG EC 20	0.06kg	50pcs/pkt

End Cap, 20mm

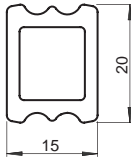


- For MG RR 3x20

Item Code	Weight	Supply
MG EC 20S	0.08kg	50pcs/pkt

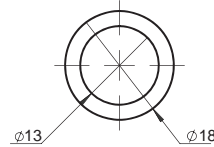
Guide Rail MG

Rectangular Guide Rail



Item Code	Weight	Supply
MG RR 3x20 (Aluminum Guide Rail)	1.2kg	3m
MG RR 3x20P (PE Guide Rail)	1.0kg	3m

Guide Rail Tube



- Standard length L = 100, 150 or 200mm
- Non standard length to be specified.

Item Code	Weight	Supply
MG RR 3x18	1.2kg	3m
MG RR 100x18	0.4kg	10pcs/pkt
MG RR 150x18	0.5kg	10pcs/pkt
MG RR 200x18	0.7kg	10pcs/pkt
MG RR Lx18		10pcs/pkt

Stainless Steel Guide Rail



Item Code	Weight	Supply
MG RR 12	2.7kg	3m

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Conveyor Structural System MB



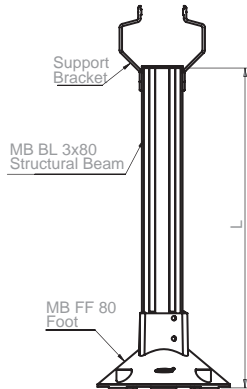
- AP
- TR
- MS2
- MM3
- ML2
- MX2
- MO
- MT
- MG
- MB**
- MA
- DS2
- DM3
- DL2
- DX2
- DG
- DB
- DA
- SD
- SE
- TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

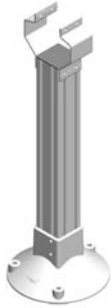
Conveyor Support Design MB

Structural Assembly - Type 1 (B1)

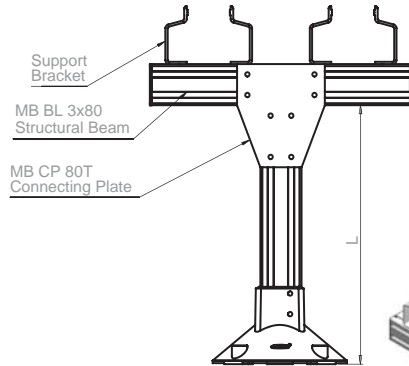


Length of beam, L = Conveyor height - 125
- Items are supplied individually.

Series	Support Bracket	Item Code
MS2	MS BS 80	MS B1
MM3	MM BS 80	MM B1
ML2	ML BS 80	ML B1

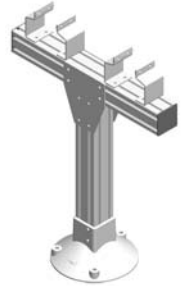


Structural Assembly - Type 2 (B2)

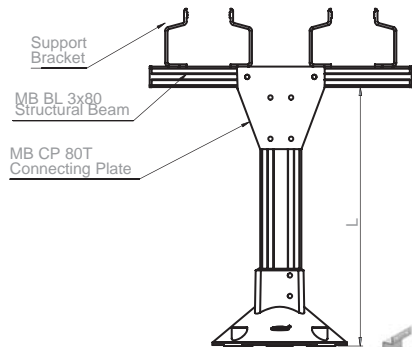


Length of beam, L = Conveyor height - 225
- Items are supplied individually.

Series	Support Bracket	Item Code
MS2	MA BS 100	MS B2
MM3	MA BS 100	MM B2
ML2	MA BS 100	ML B2
MX2	MA BS 100	MX B2
MO	MA BS 100	MO B2
MT	MA BS 100	MT B2

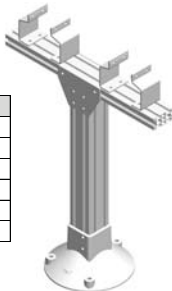


Structural Assembly - Type 2A (B2A)

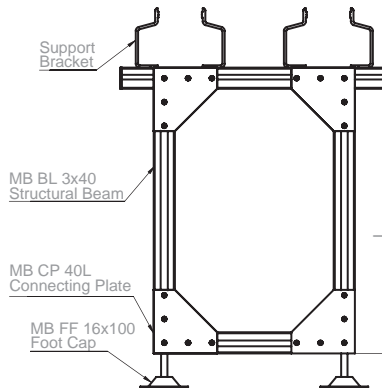


Length of beam, L = Conveyor height - 225
- Items are supplied individually.

Series	Support Bracket	Item Code
MS2	MA BS 100	MS B2A
MM3	MA BS 100	MM B2A
ML2	MA BS 100	ML B2A
MX2	MA BS 100	MX B2A
MO	MA BS 100	MO B2A
MT	MA BS 100	MT B2A

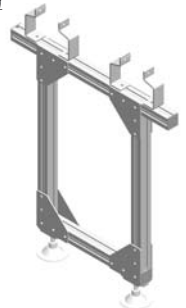


Structural Assembly - Type 3 (B3)



Length of beam, L = Conveyor height - 250
- Items are supplied individually.

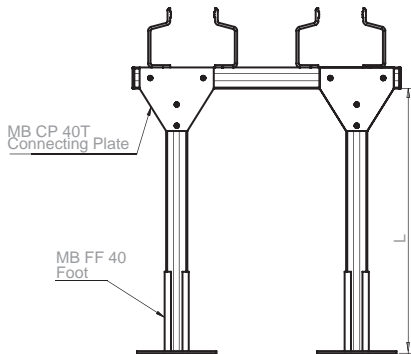
Series	Support Bracket	Item Code
MS2	MA BS 100A	MS B3
MM3	MA BS 100A	MM B3
ML2	MA BS 100A	ML B3
MX2	MA BS 100A	MX B3
MO	MA BS 100A	MO B3
MT	MA BS 100A	MT B3



Please consult MODU representative for further information and assistance.

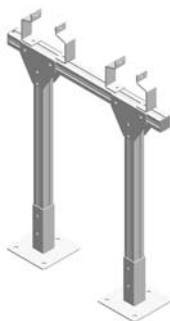
Units: Dimension (mm)

Conveyor Support Design MB Structural Assembly - Type 4 (B4)

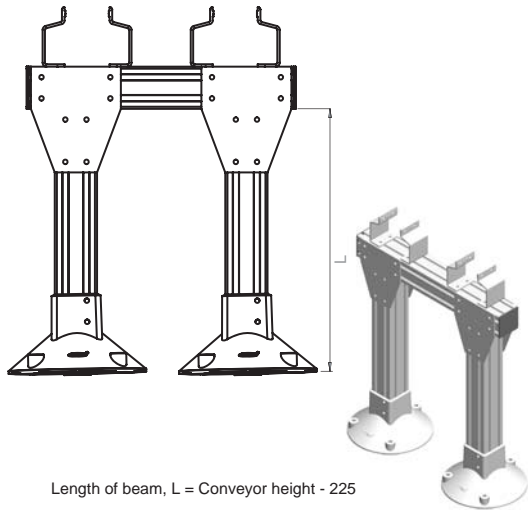


Length of beam, L = Conveyor height - 265
- Items are supplied individually.

Series	Support Bracket	Item Code
MS2	MA BS 100A	MS B4
MM3	MA BS 100A	MM B4
ML2	MA BS 100A	ML B4
MX2	MA BS 100A	MX B4
MO	MA BS 100A	MO B4
MT	MA BS 100A	MT B4



Structural Assembly - Type 5 (B5)

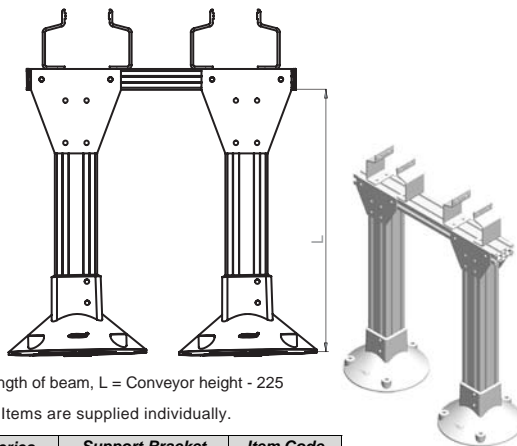


Length of beam, L = Conveyor height - 225
- Items are supplied individually.

Series	Support Bracket	Item Code
MS2	MA BS 100A	MS B5
MM3	MA BS 100A	MM B5
ML2	MA BS 100A	ML B5
MX2	MA BS 100A	MX B5
MO	MA BS 100A	MO B5
MT	MA BS 100A	MT B5

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB

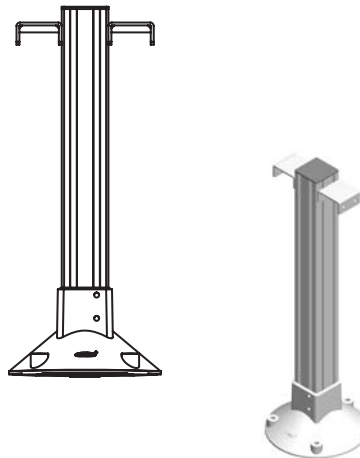
Structural Assembly - Type 5A (B5A)



Length of beam, L = Conveyor height - 225
- Items are supplied individually.

Series	Support Bracket	Item Code
MS2	MA BS 100A	MS B5A
MM3	MA BS 100A	MM B5A
ML2	MA BS 100A	ML B5A
MX2	MA BS 100A	MX B5A
MO	MA BS 100A	MO B5A
MT	MA BS 100A	MT B5A

Structural Assembly - Type 6 (B6)



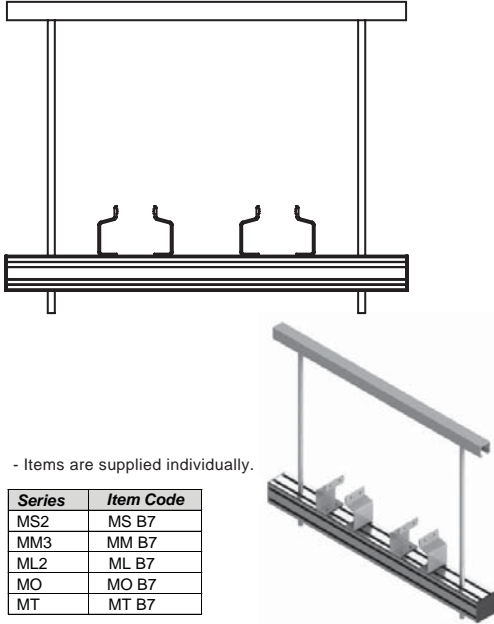
- Items are supplied individually.

Series	Item Code
MS2	MS B6
MM3	MM B6
ML2	ML B6

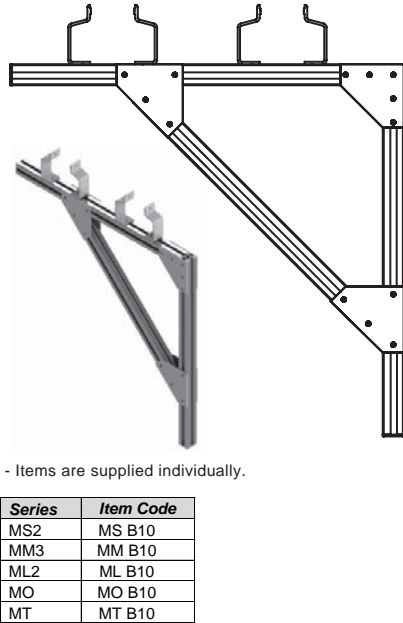
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Conveyor Support Design MB

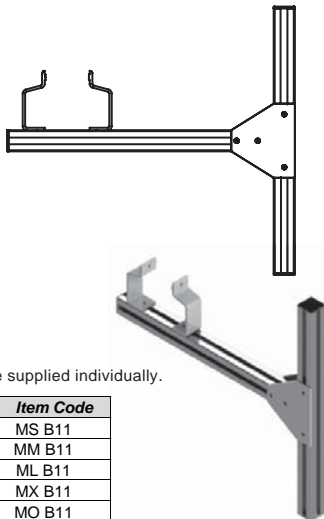
Structural Assembly - Type 7 (B7)



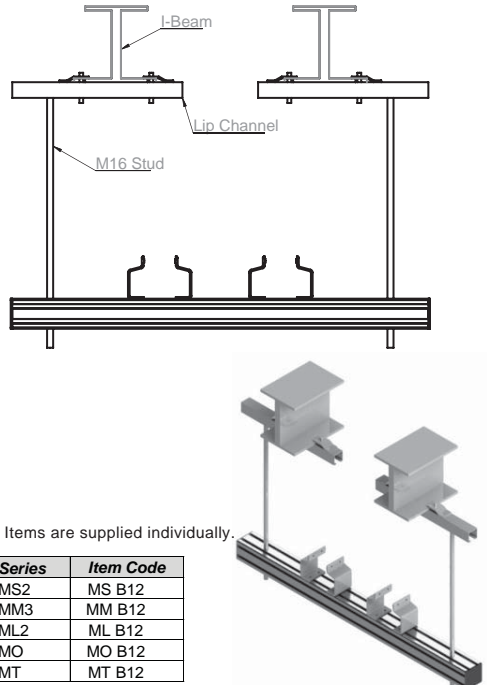
Structural Assembly - Type 10 (B10)



Structural Assembly - Type 11 (B11)



Structural Assembly - Type 12 (B12)

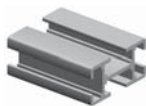
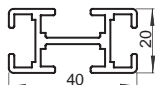


Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

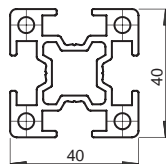
Structural Beams MB

Structural Beam 20x40mm



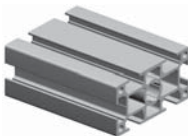
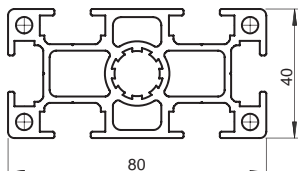
Item Code	Weight	Supply
MB BL 3x20x40	4.8kg	3m

Structural Beam 40x40mm



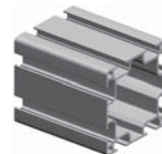
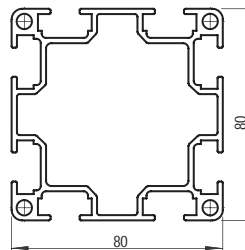
Item Code	Weight	Supply
MB BL 3x40x40	5.4kg	3m

Structural Beam 40x80mm



Item Code	Weight	Supply
MB BL 3x40x80	8.7kg	3m

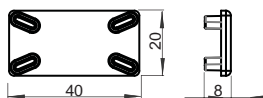
Structural Beam 80x80mm



Item Code	Weight	Supply
MB BL 3X80x80	9.2kg	3m

Structural Beam End Caps MB

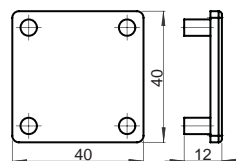
End Cap 20x40mm



NEW!

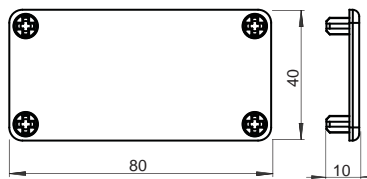
Item Code	Weight	Supply
MB EC 20x40	0.06kg	10pcs/pkt

End Cap 40x40mm



Item Code	Weight	Supply
MB EC 40x40	0.06kg	10pcs/pkt

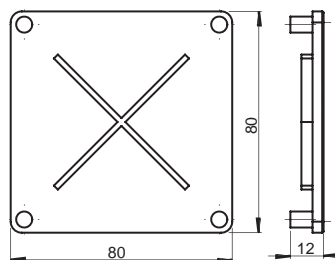
End Cap 40x80mm



NEW!

Item Code	Weight	Supply
MB EC 40x80	0.02kg	10pcs/pkt

End Cap 80x80mm



Item Code	Weight	Supply
MB EC 80x80	0.02kg	10pcs/pkt

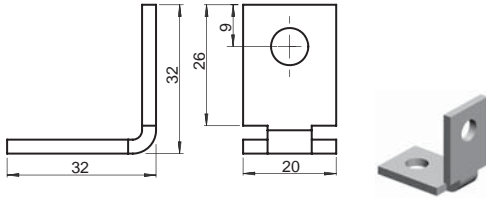
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Brackets & Accessories MB

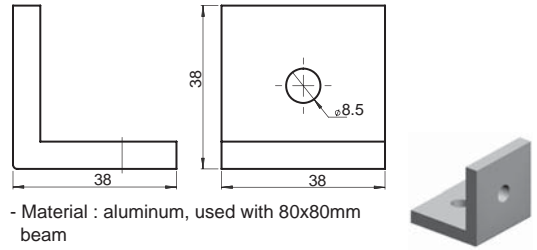
Inner Bracket, 90°



- Material : Mild Steel, Zinc Plated.
- Set screw included.

Item Code	Weight	Supply
MB BI 8L	0.3kg	10pcs/pkt

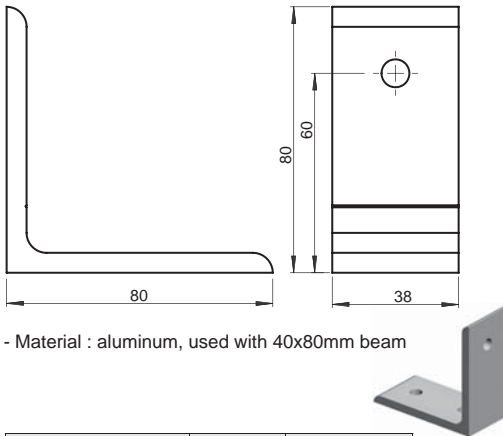
Cast Angle Bracket, 90°



- Material : aluminum, used with 80x80mm beam

Item Code	Weight	Supply
MB BA 40L	0.05kg	1 pc

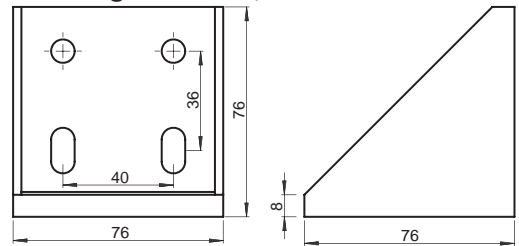
Angle Bracket, 90°



- Material : aluminum, used with 40x80mm beam

Item Code	Weight	Supply
MB BA 40x80L	0.08kg	1 pc

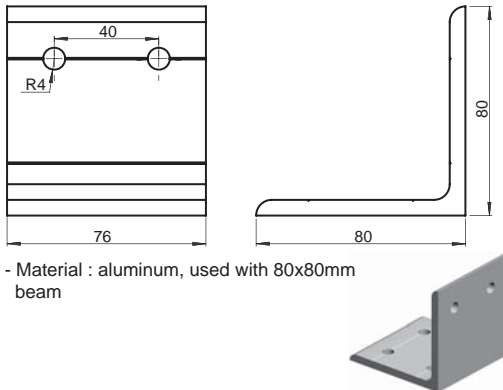
Cast Angle Bracket, 90°



- Material : cast aluminum, used with 80x80mm beam

Item Code	Weight	Supply
MB BA 76L	0.3kg	1 pc

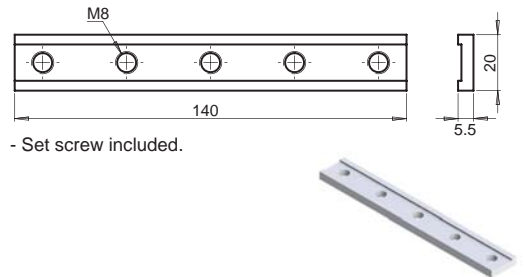
Angle Bracket, 90°



- Material : aluminum, used with 80x80mm beam

Item Code	Weight	Supply
MB BA 80L	0.18kg	1 pc

Connecting Strip

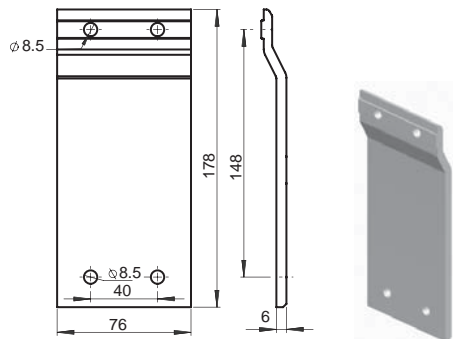


- Set screw included.

Item Code	Weight	Supply
MB CS 20x140	0.3kg	10pcs/pkt

Support Brackets MB

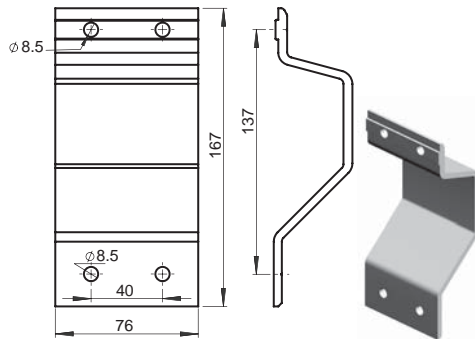
MS Support Bracket



- Vertical support bracket

Item Code	Weight	Supply
MS BS 80	0.25kg	1 pc

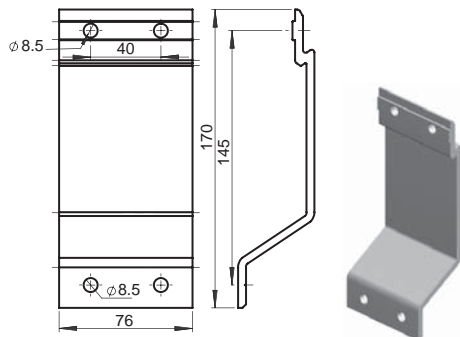
MM Support bracket



- Vertical support bracket

Item Code	Weight	Supply
MM BS 80	0.18kg	1 pc

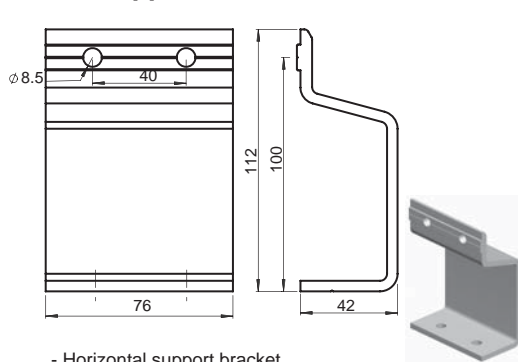
ML Beam Support Bracket



- Vertical support bracket

Item Code	Weight	Supply
ML BS 80	0.18kg	1 pc

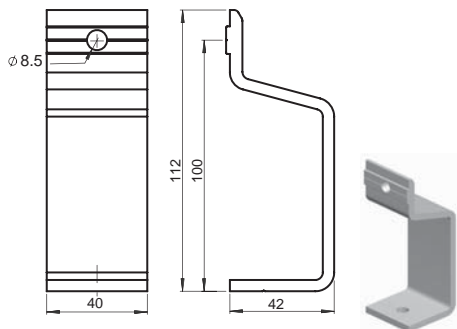
Beam Support Bracket, 80mm



- Horizontal support bracket

Item Code	Weight	Supply
MA BS 100	0.16kg	1 pc

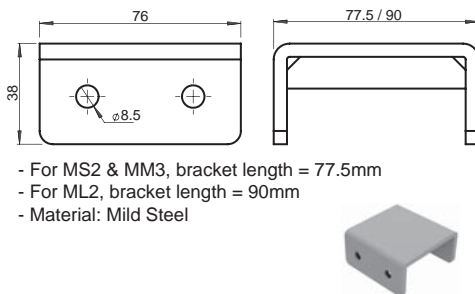
Beam Support Bracket, 40mm



- Horizontal support bracket

Item Code	Weight	Supply
MA BS 100A	0.07kg	1 pc

Beam C Support Bracket



- For MS2 & MM3, bracket length = 77.5mm
- For ML2, bracket length = 90mm
- Material: Mild Steel

Item Code	Weight	Supply
MB CB 78 (For MS2 & MM3)	0.2kg	1 pc
MB CB 90 (For ML2 only)	0.3kg	1 pc

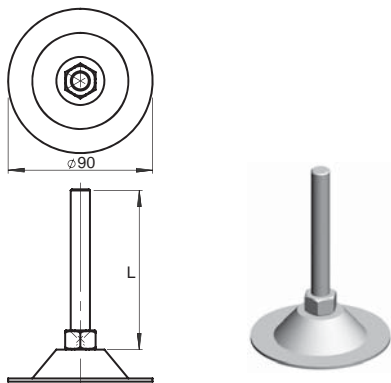
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

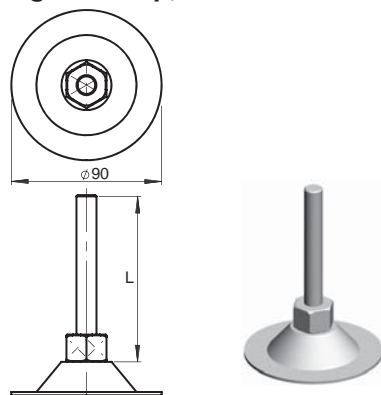
Foot Caps MB

Adjusting Foot Cap, M12



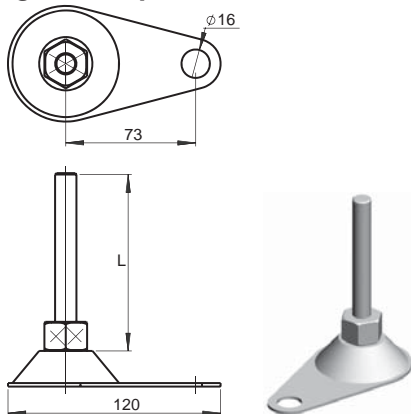
Item Code	Weight	Supply
MB FF 12x100 (Mild Steel, Zinc Plated)	0.15kg	1 pc
MB FF 12x150 (Mild Steel, Zinc Plated)	0.18kg	1 pc
MB FF 12x100S (Stainless Steel)	0.13kg	1 pc
MB FF 12x150S (Stainless Steel)	0.16kg	1 pc

Adjusting Foot Cap, M16



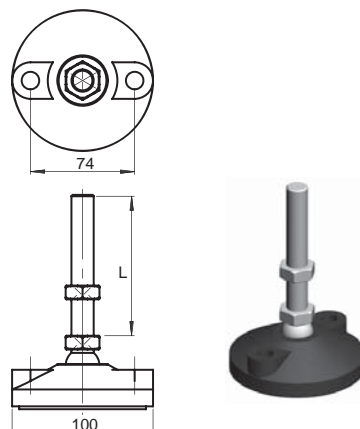
Item Code	Weight	Supply
MB FF 16x100 (Mild Steel, Zinc Plated)	0.3kg	1 pc
MB FF 16x150 (Mild Steel, Zinc Plated)	0.4kg	1 pc
MB FF 16x100S (Stainless Steel)	0.26kg	1 pc
MB FF 16x150S (Stainless Steel)	0.3kg	1 pc

Adjusting Foot Cap, M16



Item Code	Weight	Supply
MB FH 16x100 (Mild Steel, Zinc Plated)	0.25kg	1 pc
MB FH 16x150 (Mild Steel, Zinc Plated)	0.28kg	1 pc
MB FH 16x100S (Stainless Steel)	0.25kg	1 pc
MB FH 16x150S (Stainless Steel)	0.28kg	1 pc

Adjusting Foot Cap, M16



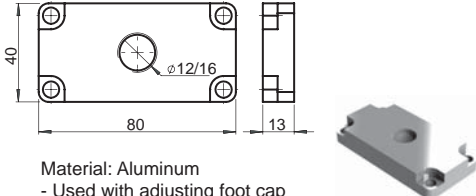
Item Code	Weight	Supply
MB FP 16x100 (Plastic Base, Mild Steel, Zinc Plated Stud)	0.4kg	1 pc
MB FP 16x150 (Plastic Base, Mild Steel, Zinc Plated Stud)	0.4kg	1 pc
MB FP 16x100S (Plastic Base, Stainless Steel Stud)	0.4kg	1 pc
MB FP 16x150S (Plastic Base, Stainless Steel Stud)	0.4kg	1 pc

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Support Bracket MB

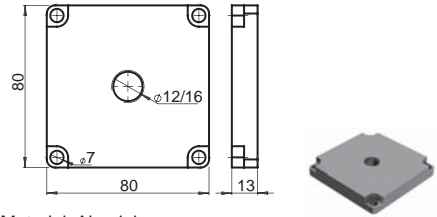
Support Bracket for 40x80 Beam



Material: Aluminum
 - Used with adjusting foot cap
 - Ø12mm for M12 foot thread adjusting foot cap
 - Ø16mm for M16 foot thread adjusting foot cap

Item Code	Weight	Supply
MB FB 40x80x12	0.3kg	1 pc
MB FB 40x80x16	0.3kg	1 pc

Support Bracket for 80x80 Beam

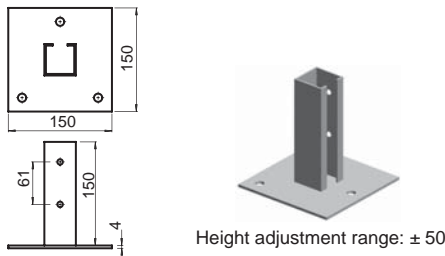


Material: Aluminium
 - Used with adjusting foot cap
 - Ø12mm for M12 foot thread adjusting foot cap
 - Ø16mm for M16 foot thread adjusting foot cap

Item Code	Weight	Supply
MB FB 80x80x12	0.6kg	1 pc
MB FB 80x80x16	0.6kg	1 pc

Support Foot MB

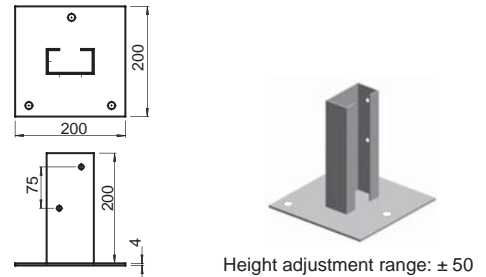
Foot 40x40mm



Material: Mild Steel, Powder Coated

Item Code	Weight	Supply
MB FF 40	1.2kg	1 pc

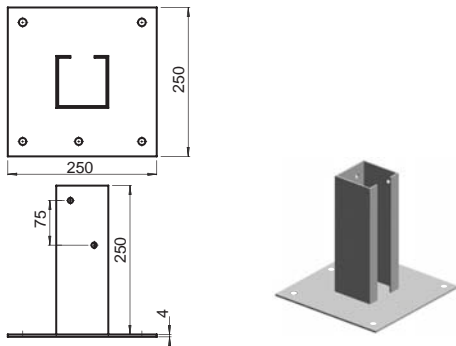
Foot 40x80mm



Material: Mild Steel, Powder Coated

Item Code	Weight	Supply
MB FF 40x80	2.0kg	1 pc

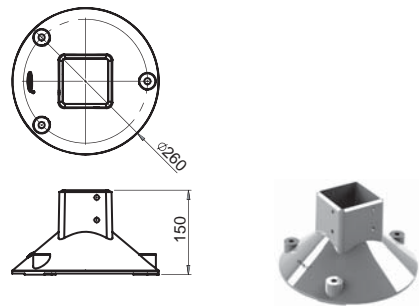
Foot 80x80mm



Height adjustment range: ± 50
 Material: Mild Steel, Powder Coated

Item Code	Weight	Supply
MB FF 80	2.1kg	1 pc

Foot 80x80mm



Height adjustment range: ± 30
 Material: Cast Aluminium, Powder Coated

Item Code	Weight	Supply
MB FF 80A	2.0kg	1 pc

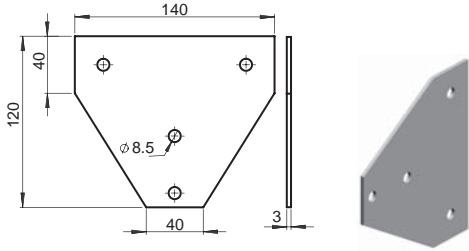
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Connecting Plates MB

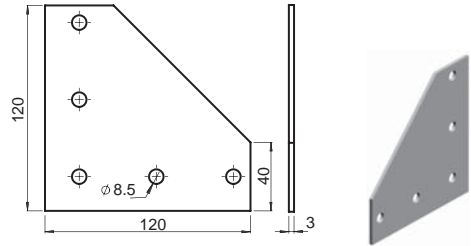
Connecting Plate T



- Material : Mild Steel, Powder Coated.
- T-joint for 40x40mm Structural Beam

Item Code	Weight	Supply
MB CP 40T	0.3kg	1 pc

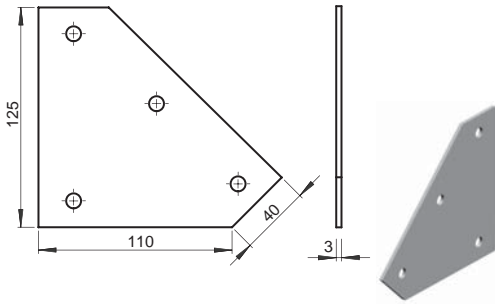
Connecting Plate L



- Material : Mild Steel, Powder Coated.
- L-joint for 40x40mm Structural Beam

Item Code	Weight	Supply
MB CP 40L	0.3kg	1 pc

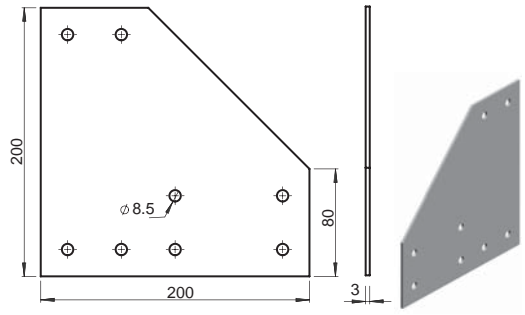
Connecting Plate V



- Material : Mild Steel, Powder Coated.
- V-joint for 40x40mm Structural Beam

Item Code	Weight	Supply
MB CP 40V	0.3kg	1 pc

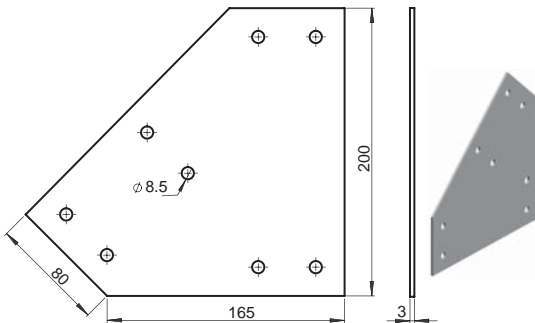
Connecting Plate L



- Material : Mild Steel, Powder Coated.
- L-joint for 80x80mm Structural Beam

Item Code	Weight	Supply
MB CP 80L	0.7kg	1 pc

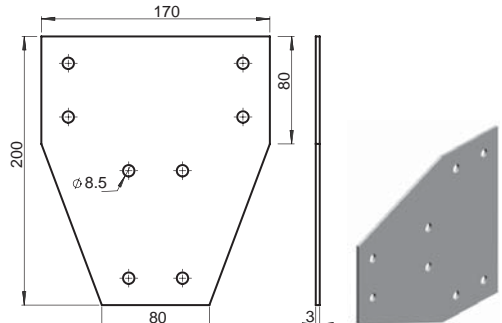
Connecting Plate V



- Material : Mild Steel, Powder Coated.
- V-joint for 80x80mm Structural Beam

Item Code	Weight	Supply
MB CP 80V	0.7kg	1 pc

Connecting Plate T



- Material : Mild Steel, Powder Coated.
- T-joint for 80x80mm Structural Beam

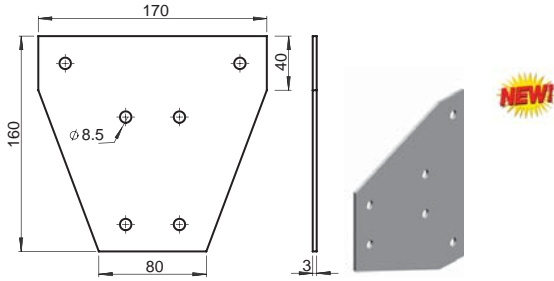
Item Code	Weight	Supply
MB CP 80T	0.7kg	1 pc

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Connecting Plates MB (Continued)

Connecting Plate T



- Material : Mild Steel, Powder Coated.
- T-joint for 40x80mm Structural Beam

Item Code	Weight	Supply
MB CP 40x80T	0.7kg	1 pc

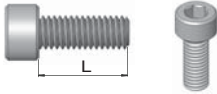
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Conveyor Accessories MA

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Fasteners MA

Cap Screw, M6 & M8



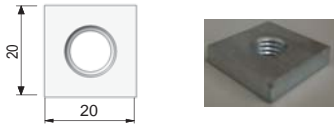
Item Code	Description	Weight	Supply
MA BC M6x16	M6x16mm	0.6kg	100 pcs/pkt
MA BC M6x20	M6x20mm	1.2kg	100 pcs/pkt
MA BC M8x16	M8x16mm	1.2kg	100 pcs/pkt
MA BC M8x20	M8x20mm	1.3kg	100 pcs/pkt

Lock Nut, M6, M8 & M10



Item Code	Weight	Supply
MA NL 6	0.5kg	200 pcs/pkt
MA NL 8	1.0kg	200 pcs/pkt
MA NL 10	0.6kg	50 pcs/pkt

Square Nut, M6 & M8



Thickness: 5mm

Item Code	Weight	Supply
MA NS 6	1.3kg	100 pcs/pkt
MA NS 8	1.3kg	100 pcs/pkt

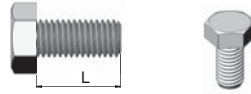
Locking Washer



- Locking washer for friction & gripper pad

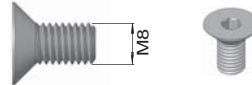
Item Code	Weight	Supply
MA WL 5	0.01kg	50 pcs/pkt

Hex Head Bolt, M6, M8 & M10



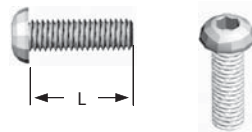
Item Code	Description	Weight	Supply
MA BH M6x16	M6x16mm	0.6kg	100 pcs/pkt
MA BH M6x20	M6x20mm	0.8kg	100 pcs/pkt
MA BH M8x12	M8x12mm	1.2kg	100 pcs/pkt
MA BH M8x16	M8x16mm	1.2kg	100 pcs/pkt
MA BH M8x20	M8x20mm	1.3kg	100 pcs/pkt
MA BH M8x25	M8x25mm	1.3kg	100 pcs/pkt
MA BH M10x20	M10x20mm	2.2kg	100 pcs/pkt
MA BH M10x25	M10x25mm	2.3kg	100 pcs/pkt

Countersunk Screw



Item Code	Weight	Supply
MA SC M8x16	0.7kg	100 pcs/pkt
MA SC M8x20	0.8kg	100 pcs/pkt

Button Head Bolt



Item Code	Description	Weight	Supply
MA BB M6x16	M6x16mm	1.0kg	100 pcs/pkt
MA BB M6x20	M6x20mm	1.1kg	100 pcs/pkt

Floor Anchor Bolt



- Washer and screw included

Item Code	Weight	Supply
MA BF M10	2.5kg	50 pcs/pkt

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Fasteners MA

Rivet



Material: Brass Nickel plated (3mm)

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

Screw



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

Flat Washer, M6, M8 & M10



- Zinc plated

Item Code	Weight	Supply
MA WF 6	0.25kg	200 pcs/pkt
MA WF 8	0.48kg	200 pcs/pkt
MA WF 10	0.80kg	50 pcs/pkt

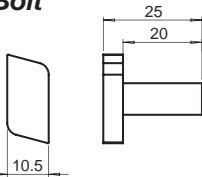
Set Screw



- Length, L=40mm

Item Code	Weight	Supply
MA SS M8x40	1.0kg	100 pcs/pkt

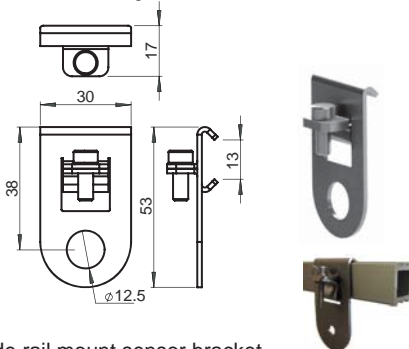
T-Bolt



Item Code	Weight	Supply
MA BT 20	0.7kg	50 pcs/pkt

Sensor Brackets MA

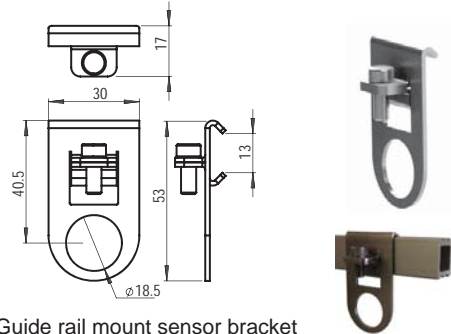
Ø12mm Proximity Sensor



- Guide rail mount sensor bracket

Item Code	Weight	Supply
MA BA 12	0.03kg	1 set

Ø18mm Proximity Sensor



- Guide rail mount sensor bracket

Item Code	Weight	Supply
MA BA 18	0.025kg	1 set

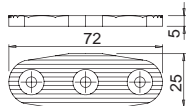
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chain Top Replacements MA

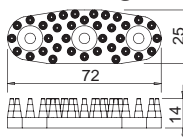
MM3 Friction Pad



- Friction pad used for gen 3 chain

Item Code	Weight	Supply
MM3 FP	0.01kg	10 pcs/pkt

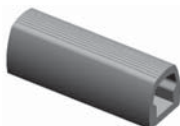
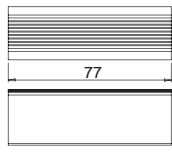
MM3 Finger Gripper Pad



- Finger gripper pad used for gen 3 chain

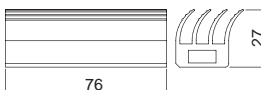
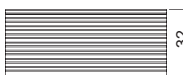
Item Code	Weight	Supply
MM3 GP F	0.09kg	10 pcs/pkt

MM3 Gripper Box



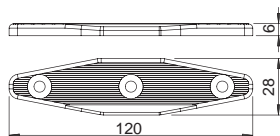
Item Code	Description	Weight	Supply
MM3 GP BS	Soft - 50A	0.20kg	10 pcs/pkt
MM3 GP BM	Medium - 60A	0.20kg	10 pcs/pkt
MM3 GP BH	Hard - 73A	0.25kg	10 pcs/pkt

MM3 Wedge Gripper



Item Code	Weight	Supply
MM3 GP W	0.2kg	10 pcs/pkt

ML2 Friction Pad



- Friction pad used for gen 1 and 2 chain

Item Code	Weight	Supply
ML FP	0.18kg	10 pcs/pkt

Chain Accessories MA

MS2 Chain Pivot



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

MS2 Stainless Steel Pin



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

MM3 Chain Pivot



Item Code	Weight	Supply
MM3 PV	0.02kg	10pcs/pkt

MM3 Stainless Steel Pin



Item Code	Weight	Supply
MM3 PN M6x53	0.11kg	10pcs/pkt

ML2 / MX2 Chain Pivot



Item Code	Weight	Supply
ML2 PV	0.07kg	10pcs/pkt

ML2 / MX2 Stainless Steel Pin



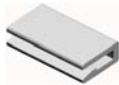
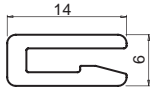
Item Code	Weight	Supply
ML2 PN M8x73	0.28kg	10pcs/pkt

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Accessories MA

Slide Rail



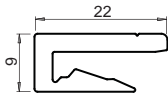
- For MS2 & MM3 Series

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



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Slide Rail

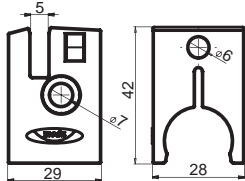


- For ML2, MX2, MO, MT & MF Series

Item Code	Material	Colour	Weight	Supply
MA2 SR 25	HDPE	Pure white	2.8kg/roll	25m/roll
MA2 SR 25A	Anti-Static	Grey	2.8kg/roll	25m/roll
MA2 SR 25U	UHMW-PE	Semi-transparent white	3.5kg/roll	25m/roll



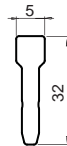
Center Slide Rail Support Bracket



- For MT & MF Series

Item Code	Weight	Supply
MA BSR 5	0.6kg	10pcs/pkt

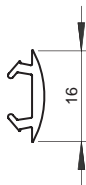
Center Support Slide Rail



- For MT & MF Series

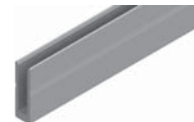
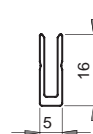
Item Code	Material	Colour	Weight	Supply
MA2 SR C	HDPE	White	3.2kg/roll	25m/roll

T-Slot Cover



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

Center Slide Rail Support Frame

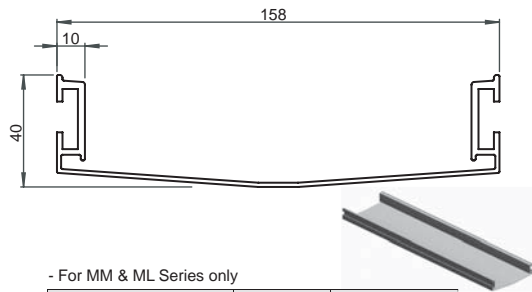


- For MT & MF Series

Item Code	Weight	Supply
MA FSR 3	0.3kg	3m

Accessories MA

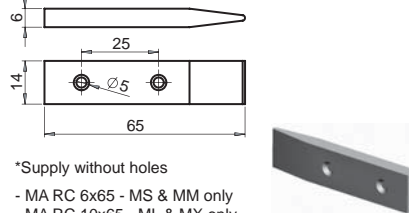
Drip Tray



- For MM & ML Series only

Item Code	Weight	Supply
MA TD 3x158	4.2kg	3m

Slide Rail Cap

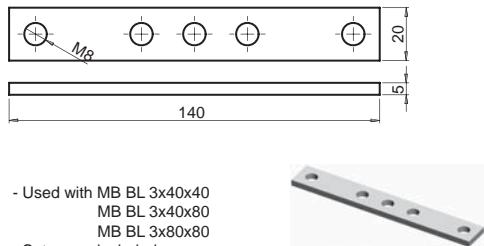


*Supply without holes

- MA RC 6x65 - MS & MM only
- MA RC 10x65 - ML & MX only

Item Code	Weight	Supply
MA RC 6x65	0.03kg	1 pc
MA RC 10x65	0.05kg	1 pc

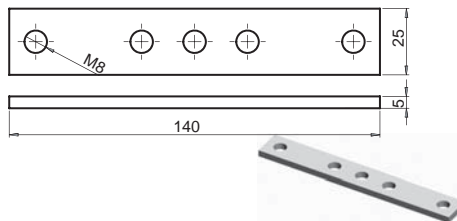
Connecting Strip



- Used with MB BL 3x40x40
- MB BL 3x40x80
- MB BL 3x80x80
- Set screw included.

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

Connecting Strip

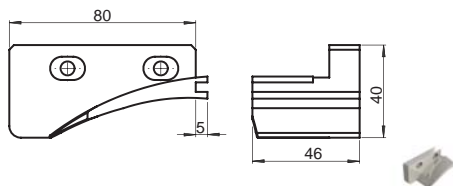


- For MS2, MM3 & ML2 only.
- Set screw included.

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

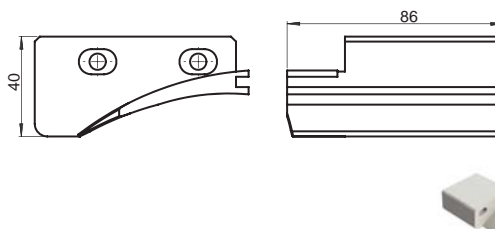
Return Chain Guide MA

ML2 Return Chain Guide



Item Code	Weight	Supply
ML2 RG	0.03kg	1 set

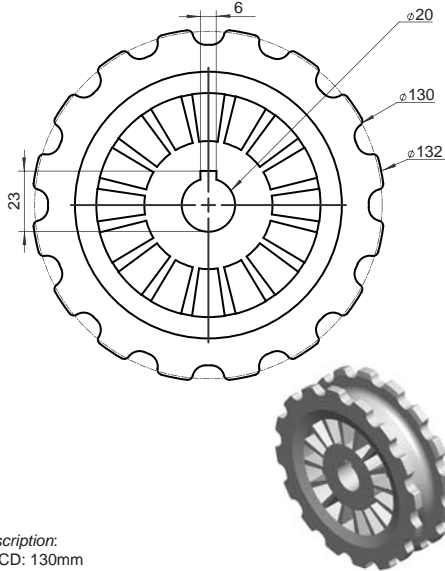
MX2 Return Chain Guide



Item Code	Weight	Supply
MX2 RG	0.02kg	1 set

Drive Sprocket MA

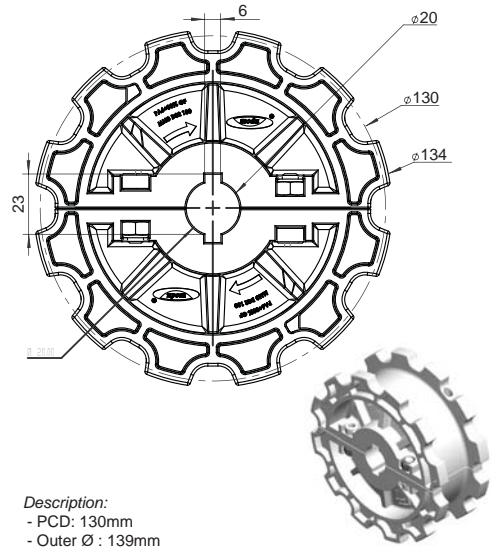
MS2 Drive Sprocket



Description:
 - PCD: 130mm
 - Outer Ø : 132mm
 - Teeth: 16

Item Code	Weight	Supply
MS2 DS 130	0.2kg	1 pc

MM3 Drive Sprocket

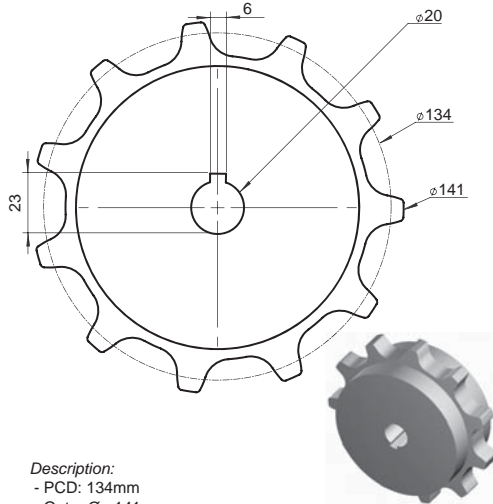


Description:
 - PCD: 130mm
 - Outer Ø : 139mm
 - Teeth: 12

Item Code	Weight	Supply
MM3 DS 130	0.5kg	1 pc

- 2 Pcs injection mold
 - Screw and Nut included

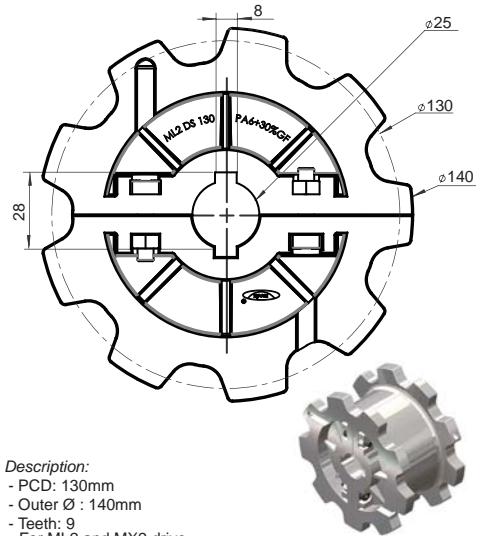
ML Drive Sprocket



Description:
 - PCD: 134mm
 - Outer Ø : 141mm
 - Teeth: 11

Item Code	Weight	Supply
ML DS 134	0.14kg	1 pc

ML2 / MX2 Drive Sprocket



Description:
 - PCD: 130mm
 - Outer Ø : 140mm
 - Teeth: 9
 - For ML2 and MX2 drive

Item Code	Weight	Supply
ML2 DS 130	0.97kg	1 pc

- 2 Pcs injection mold
 - Screw and Nut included

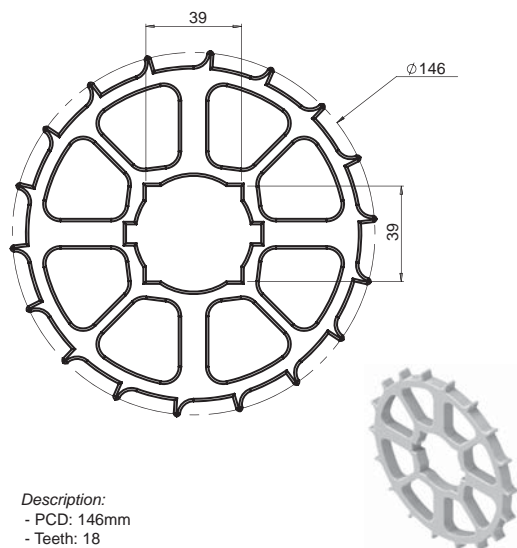
AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Sprocket MA (Continued)

MO / MT Drive Sprocket



Description:

- PCD: 146mm
- Teeth: 18

Item Code	Weight	Supply
MT DS 146	0.12kg	1 pc

Lubricant

Lubricant For Chain



Item Code	Weight	Supply
MA SL	0.35kg	1 pc

Silicone-based lubricant, 400ml

Conveyor System DS2



Description

63mm width thermoplastic chain with stainless steel frame conveyor system. Also available with aluminium frame, please refer section MS2.

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

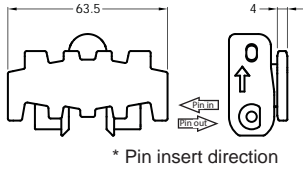
Chain Width		63 mm
Chain Pitch		25.4 mm
Chain Weight		0.8 kg/m
Chain Maximum Working Tension		600 N
Max Product Weight*	Horizontal Transport	15 kg
	Vertical Transport	10 kg
Total Load*		200 Kg
Working Temperature*		-10°C to 60°C
Max Conveyor Length*		30m
Max Speed*		50 m/min
Drive Unit Capacity		600 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 DS2

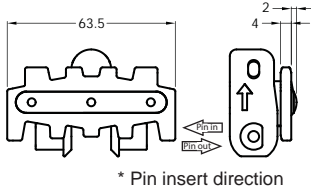


Plain Chain



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

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

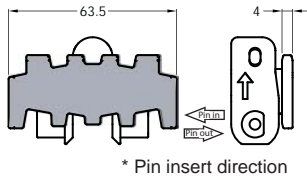


Friction Chain



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

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

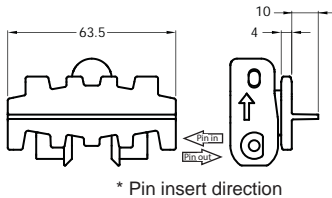


Flocked Chain



- Suitable for scratch sensitive material.
- Flock colour : Grey.
- Accumulation possible for light product only.
- PP chain material working tension = 300N.

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



Cleated Chain



- 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 for actual Chain weight.

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

Chain Accessories DS2

Lubricant For Chain Chain Pivot



Silicone-based lubricant,
400ml

Item Code	Weight	Supply
MA SL	0.35kg	1pc



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

Stainless Steel Pin



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

Chain Pin Insertion Tool



Chain pin insertion tool
shown without attachment
& specific drive pin

Item Code	Weight	Supply
TR CP1	1.20kg	1pc

Kit - Attachment For Chain Tool



Chain attachment & drive pin

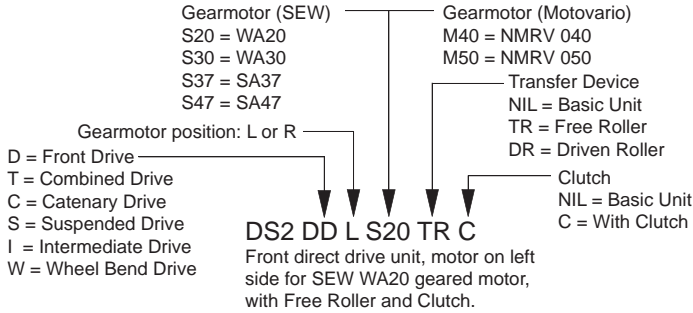
Item Code	Weight	Supply
MS2 AC	0.20kg	1set

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

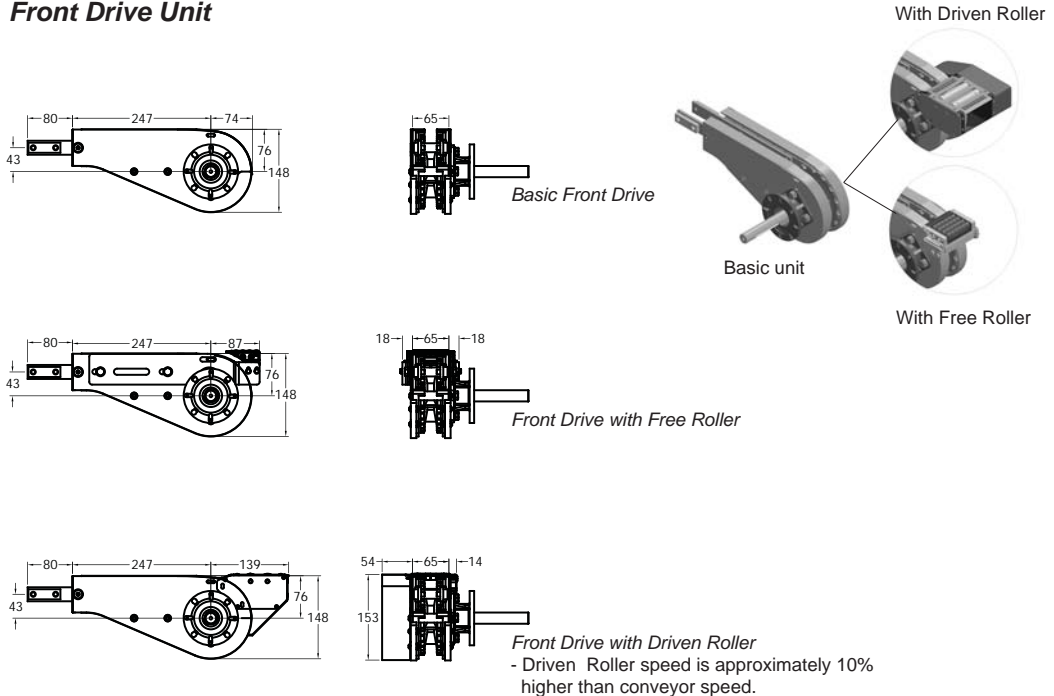
Drive Units DS2

Item Code Guideline For Drive Units



eg. Code for Basic unit; DS2 DD R M50 => Front direct drive unit, motor on right side for Motovario NMRV 050 geared motor.

Front Drive Unit



Item Code	Weight	Supply
DS2 DD R/L S/M	3.8kg	1 Unit
DS2 DD R/L S/M TR (With Free Roller)	4.0kg	1 Unit
DS2 DD R/L S/M DR (With Driven Roller)	5.3kg	1 Unit

Effective track length: 0.80m
 Traction force: 600N
 - Connecting strip and set screw included.
 Notes:
 - Basic unit come without safety cover.
 - Refer "Safety Cover" for 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.

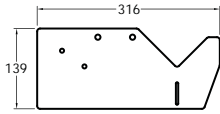
Units: Dimension (mm)

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Drive Units DS2 (Continued)

Safety Cover for Front Drive (Option)

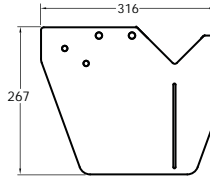
Short Safety Cover



- Material : Stainless Steel

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

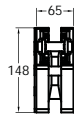
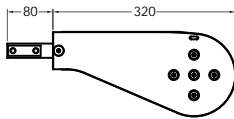
Normal Safety Cover



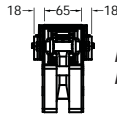
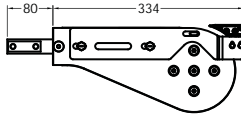
- Material : Stainless Steel

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

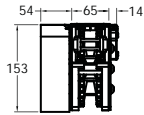
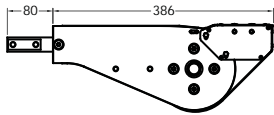
Idler End



Basic Idler End

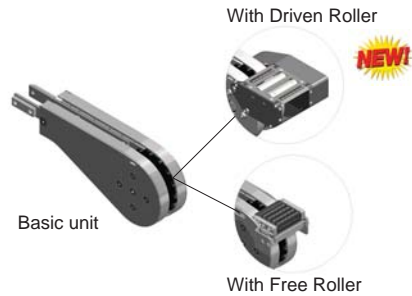


Idler End with Free Roller



Idler End with Driven Roller
*(Right)

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



Item Code	Weight	Supply
DS2 IE 320	3.0kg	1 Unit
DS2 IE 320 TR (With Free Roller)	3.4kg	1 Unit
DS2 IE 320 DR R/L (With Driven Roller)	4.5kg	1 Unit

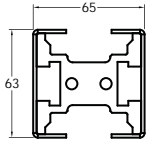
Effective track length: 0.8m

- Connecting strip and set screw included.

Notes:

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

Conveyor Beam DS2

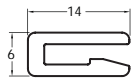


AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Item Code	Weight	Supply
DS2 CB 2.4	6.2kg	2.4m

Accessories DS2

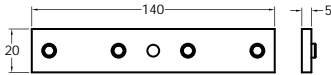
Slide Rail



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



Connecting Strip



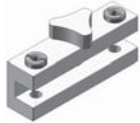
Item Code	Weight	Supply
DA CS 20x140	1.5kg	10 pcs/pkt

Material: Stainless Steel
- 4 pcs M8 Screw included.



Rivet Crimping

Item Code	Supply
MA RC	1 pc



Slide Rail Drill Fixture

Item Code	Supply
MA SRF	1 pc



Rivets

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

Material: Aluminium



Slide Rail Cutter

Item Code	Weight	Supply
MA SC	0.5kg	1 pc



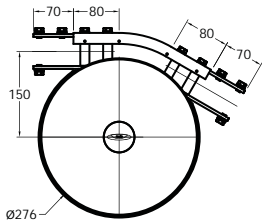
Slide Rail Mounting Tool

Item Code	Weight	Supply
MS2 SRA	0.4kg	1 pc

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

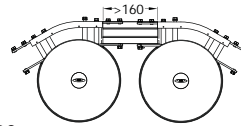
Horizontal Wheel Bends DS2



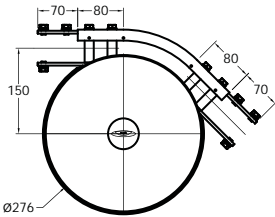
Wheel Bend, 30°

Item Code	Weight	Supply
DS2 BW 30R150	2.6kg	1 set

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



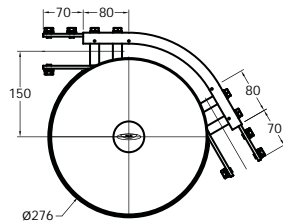
Minimum straight section for all wheel bend connection.



Wheel Bend, 45°

Item Code	Weight	Supply
DS2 BW 45R150	2.7kg	1 set

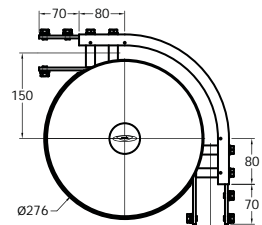
Effective track length:
0.28m 1-way (0.56m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 60°

Item Code	Weight	Supply
DS2 BW 60R150	2.9kg	1 set

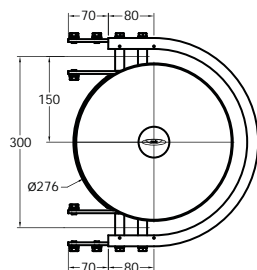
Effective track length:
0.31m 1-way (0.62 m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 90°

Item Code	Weight	Supply
DS2 BW 90R150	3.1kg	1 set

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

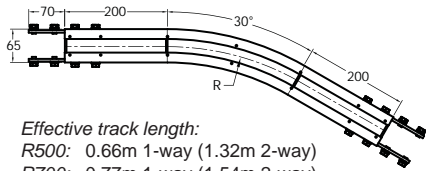


Wheel Bend, 180°

Item Code	Weight	Supply
DS2 BW 180R150	3.4kg	1 set

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

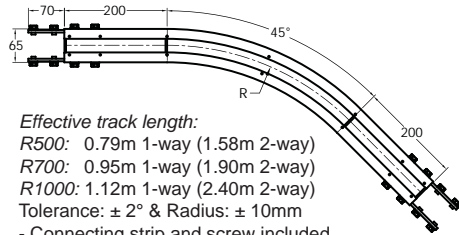
Horizontal Plain Bends DS2



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 screw included.

Horizontal Plain Bend, 30°

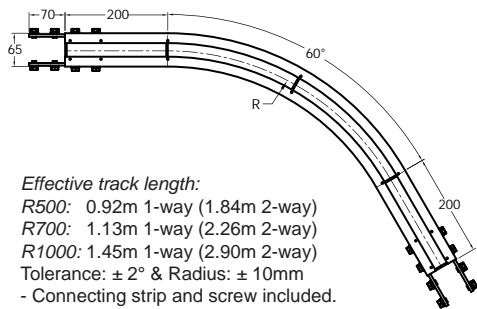
Item Code	R	Weight	Supply
DS2 BP 30R500	500mm	2.1kg	1 set
DS2 BP 30R700	700mm	2.4kg	1 set
DS2 BP 30R1000	1000mm	2.9kg	1 set



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 screw included.

Horizontal Plain Bend, 45°

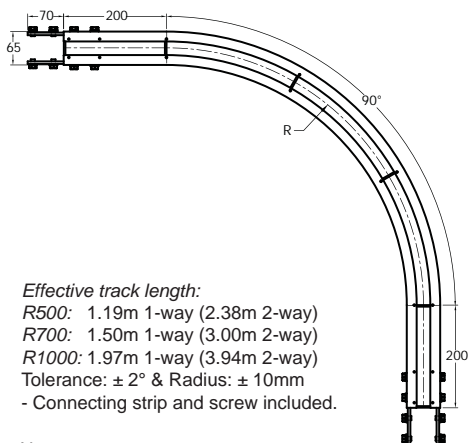
Item Code	R	Weight	Supply
DS2 BP 45R500	500mm	2.5kg	1 set
DS2 BP 45R700	700mm	3.0kg	1 set
DS2 BP 45R1000	1000mm	3.7kg	1 set



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 screw included.

Horizontal Plain Bend, 60°

Item Code	R	Weight	Supply
DS2 BP 60R500	500mm	2.9kg	1 set
DS2 BP 60R700	700mm	3.5kg	1 set
DS2 BP 60R1000	1000mm	4.5kg	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 screw included.

Notes:

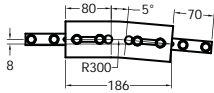
- Non standard Plain Bends are available on request. Please refer MODU representative for detail.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

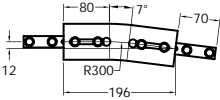
Vertical Bends DS2



Vertical Bend, 5°

Item Code	Weight	Supply
DS2 BV 5R300	0.6kg	1 set

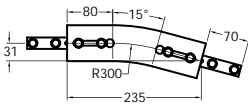
Effective track length:
 R300: 0.19m 1-way (0.38m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 7°

Item Code	Weight	Supply
DS2 BV 7R300	0.6kg	1 set

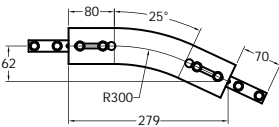
Effective track length:
 R300: 0.20m 1-way (0.40m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 15°

Item Code	Weight	Supply
DS2 BV 15R300	0.8kg	1 set

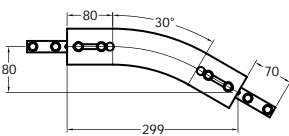
Effective track length:
 R300: 0.24m 1-way (0.48m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 25°

Item Code	R	A	B	Weight	Supply
DS2 BV 25R300	300mm	62mm	279mm	0.9kg	1 set
DS2 BV 25R1000	1000mm	128mm	575mm	1.9kg	1 set

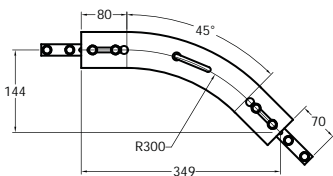
Effective track length:
 R300: 0.29m 1-way (0.58m 2-way)
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 30°

Item Code	R	A	B	Weight	Supply
DS2 BV 30R300	300mm	80mm	299mm	1.1kg	1 set
DS2 BV 30R1000	1000mm	174mm	649mm	2.5kg	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 screw included.

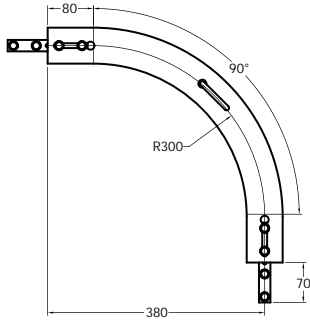


Vertical Bend, 45°

Item Code	R	A	B	Weight	Supply
DS2 BV 45R300	300mm	145mm	349mm	1.3kg	1 set
DS2 BV 45R1000	1000mm	350mm	844mm	2.9kg	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 screw included.

Vertical Bends DS2 (Continued)



Vertical Bend, 90°

Item Code	R	B	Weight	Supply
DS2 BV 90R300	300mm	380mm	2.0kg	1 set
DS2 BV 90R1000	1000mm	1080mm	5.4kg	1 set

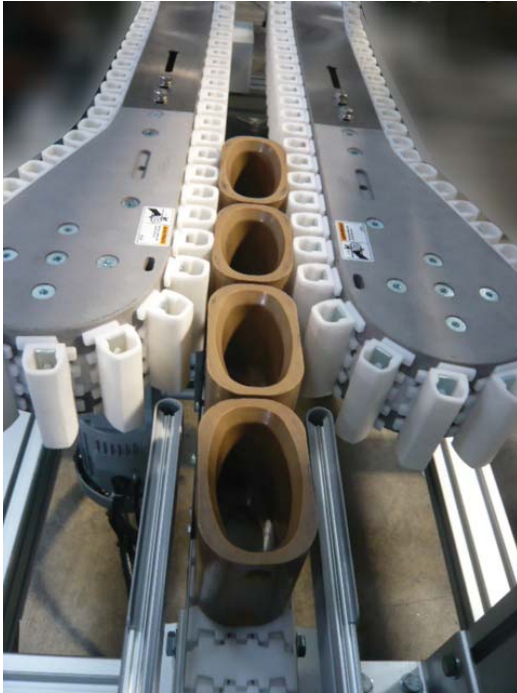
Effective track length:
 R300: 0.63m 1-way (1.26m 2-way)
 R1000: 1.73m 1-way (3.46m 2-way)
 Tolerance: ± 2° & Radius: ± 10mm
 - Connecting strip and screw included.

Notes:

- Non standard Vertical Bends are available on request. Please refer MODU representative for detail.

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Conveyor System DM3



Description

83mm width thermoplastic chain with stainless steel frame conveyor system. Also available with aluminium frame, please refer section MM3.

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		83 mm
Chain Pitch		33.5 mm
Chain Weight		1.3 kg/m
Max Tension	With Wheel Bend	800 N
	Without Wheel Bend	1000 N
Max Product Weight*	Horizontal Transport	15 kg
	Vertical Transport	10 kg
Total Load*		250 Kg
Working Temperature*		-10°C to 60°C
Max Conveyor Length*		30m
Max Speed*		50 m/min
Drive Unit Capacity		1000 N
Item Width*		20-200 mm

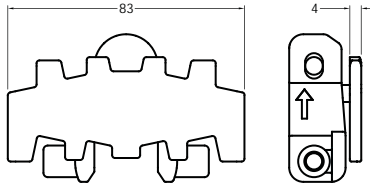
* Actual limit may vary according to conveyor layout and application.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chains DM3

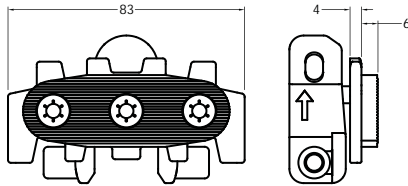


Plain Chain



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

Item Code	Chain Material	Colour	Weight	Supply
MM3 CP 5	POM	White	6.5kg/roll	5m/roll
MM3 CP 5A	Anti-Static	Black	6.5kg/roll	5m/roll
MM3 CP 5K	POM-Kevlar	Yellow	8.0kg/roll	5m/roll

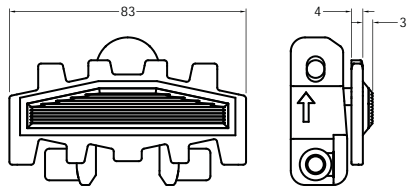


Insert Friction Chain



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

Item Code	Chain Material	Colour	Weight	Supply
MM3 CF 5	POM	White	7.5kg/roll	5m/roll
MM3 CF 5A	Anti-Static	Black	7.5kg/roll	5m/roll
MM3 CF 5K	POM-Kevlar	Yellow	9.5kg/roll	5m/roll

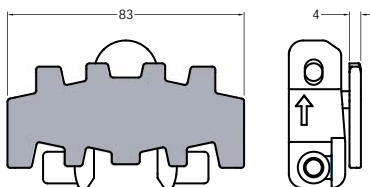


Molded Friction Chain



- Suitable for conveyor configuration with incline/decline up to 25°.
- Friction material : TPE (grey).
- Accumulation not possible.
- PP chain material working tension = 500N.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CF 5P	PP	White	7.8kg/roll	5m/roll

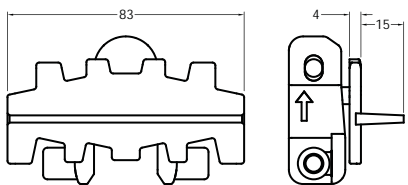


Flocked Chain

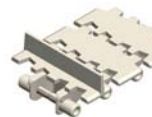


- Suitable for scratch sensitive material.
- Flock colour : Grey.
- Accumulation possible for light product only.
- PP chain material working tension = 500N.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CL 5	PP	White	7.0kg/roll	5m/roll



Cleated Chain



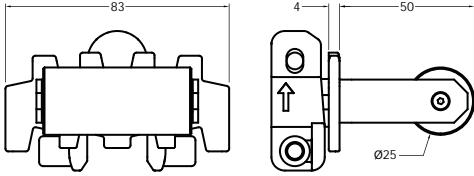
- Required for vertical or steeply inclined / declined conveyor.
- Accumulation not possible.
- Not suitable to be use with Combined and Catenary Drive.
- Please specify pitch between cleat for ordering (eg. MM3 CC 3x15P 3p = Every 3rd link to be cleated).
- **Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CC 3x15P	POM	White	**kg/roll	3m/roll
MM3 CC 3x15A	Anti-Static	Black	**kg/roll	3m/roll
MM3 CC 3x15K	POM-Kevlar	Yellow	**kg/roll	3m/roll

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Chains DM3 (continued)

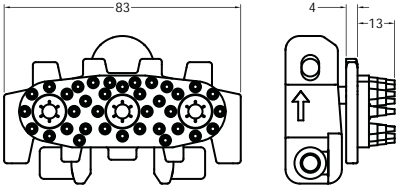


Roller Cleated Chain



- 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. DM3 CR 3P 3p = Every 3rd link to be cleated).
- **Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
DM3 CR 3P	POM	White	**kg/roll	3m/roll

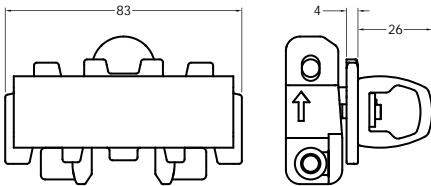


Finger Gripper Chain



- Suitable to be use for transferring product with a gripping method.
- Accumulation not possible.
- Not suitable to use with Combined Drive.

Item Code	Chain Material	Colour	Weight	Supply
MM3 CG 3F	POM	White	5.0kg/roll	3m/roll
MM3 CG 3FA	Anti-Static	Black	5.0kg/roll	3m/roll
MM3 CG 3FK	POM-Kevlar	Yellow	6.0kg/roll	3m/roll



Box Gripper Chain



- Suitable to be use for transferring product with a gripping method.
- Accumulation not possible.
- Not suitable to use with Combined Drive.

Soft - 50A

Item Code	Chain Material	Colour	Weight	Supply
DM3 CG 3BS	POM	White	7.7kg/roll	3m/roll
DM3 CG 3BSA	Anti-Static	Black	7.7kg/roll	3m/roll
DM3 CG 3BSK	POM-Kevlar	Yellow	8.7kg/roll	3m/roll

Medium - 60A

Item Code	Chain Material	Colour	Weight	Supply
DM3 CG 3BM	POM	White	7.7kg/roll	3m/roll
DM3 CG 3BMA	Anti-Static	Black	7.7kg/roll	3m/roll
DM3 CG 3BMK	POM-Kevlar	Yellow	8.7kg/roll	3m/roll

Hard - 73A

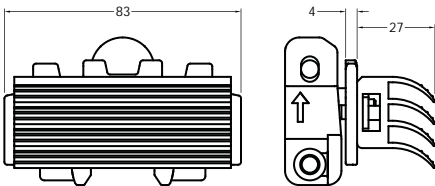
Item Code	Chain Material	Colour	Weight	Supply
DM3 CG 3BH	POM	White	7.7kg/roll	3m/roll
DM3 CG 3BHA	Anti-Static	Black	7.7kg/roll	3m/roll
DM3 CG 3BHK	POM-Kevlar	Yellow	8.7kg/roll	3m/roll

Gripper Box	Max product weight
Soft Type – 50A Shore Hardness	up to 2 kg
Medium Type – 60A Shore Hardness	up to 5 kg
Hard Type – 73A Shore Hardness	up to 10 kg

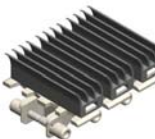
Indicator:



- I Soft
- II Medium
- III Hard



Wedge Gripper Chain



- Suitable to be use for transferring product with a gripping method.
- Accumulation not possible.
- Not suitable to use with Combined Drive.

Item Code	Chain Material	Colour	Weight	Supply
DM3 CG 3W	POM	White	5.0kg/roll	3m/roll
DM3 CG 3WA	Anti-Static	Black	5.0kg/roll	3m/roll
DM3 CG 3WK	POM-Kevlar	Yellow	6.0kg/roll	3m/roll

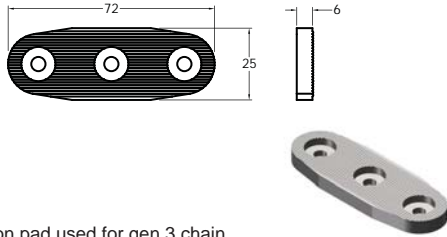
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chain Top Replacement DM3

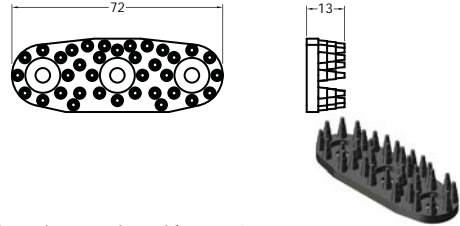
Friction Pad



- Friction pad used for gen 3 chain.

Item Code	Material	Colour	Weight	Supply
MM3 FP	TPE	Grey	0.01kg	10pcs/pkt

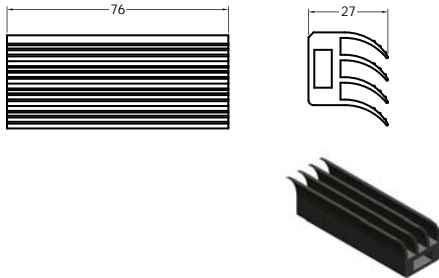
Finger Gripper Pad



- Friction gripper pad used for gen 3.

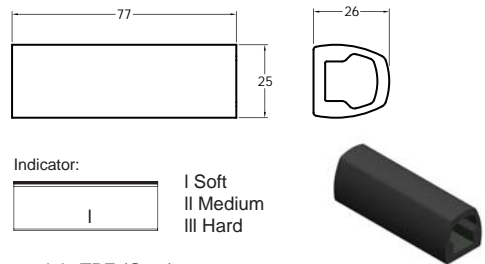
Item Code	Material	Colour	Weight	Supply
MM3 GP F	TPU	Grey	0.09kg	10pcs/pkt

Wedge Gripper



Item Code	Material	Colour	Weight	Supply
MM3 GP W	TPU	-	0.2kg	10pcs/pkt

Gripper Box



- Box material : TPE (Grey).

Item Code	Material	Hardness	Colour	Weight	Supply
MM3 GP BS	TPE	Soft - 50A	Grey	0.2kg	10pcs/pkt
MM3 GP BM	TPE	Med - 60A	Grey	0.2kg	10pcs/pkt
MM3 GP BH	TPE	Hard - 73A	Grey	0.2kg	10pcs/pkt

Chain Accessories DM3

Lubricant For Chain Chain Pivot



Silicone-based lubricant, 400ml

Item Code	Weight	Supply
MA SL	0.35kg	1pc



Item Code	Weight	Supply
MM3 PV	0.02kg	10pcs/pkt

Stainless Steel Pin



Item Code	Weight	Supply
MM3 PN M6x53	0.07kg	10pcs/pkt

Chain Pin Insertion Tool



Chain pin insertion tool shown without attachment & specific drive pin

Item Code	Weight	Supply
TR CP1	1.20kg	1pc

Kit - Attachment For Chain Tool

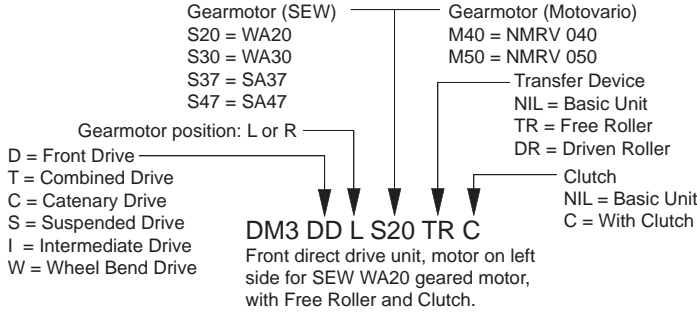


Chain attachment & drive pin

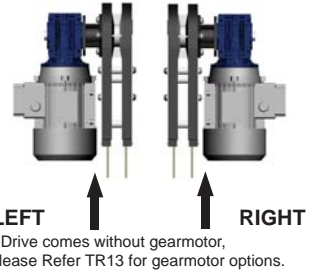
Item Code	Weight	Supply
MM3 AC	0.20kg	1set

Drive Units DM3

Item Code Guideline For Drive Units

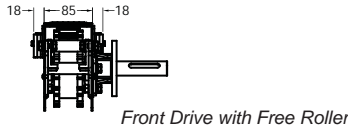
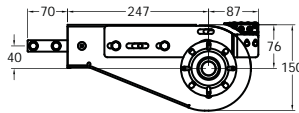
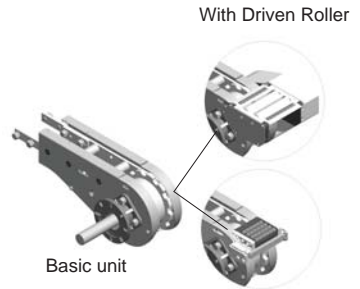
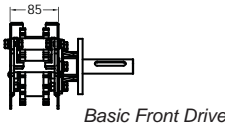
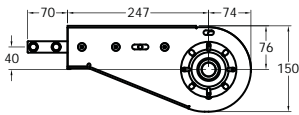


Motor Orientation Guideline

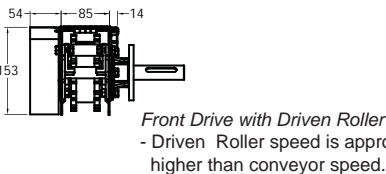
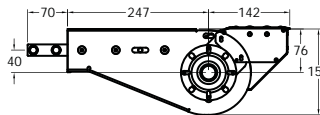


eg. Code for Basic unit; **DM3 DT R M50** => Combined drive unit, motor on right side for Motovario NMRV 050 geared motor.

Front Drive Unit



With Free Roller



Item Code	Weight	Supply
DM3 DD R/L S/M	5.5kg	1 Unit
DM3 DD R/L S/M TR (With Free Roller)	5.7kg	1 Unit
DM3 DD R/L S/M DR (With Driven Roller)	7.2kg	1 Unit

Effective track length: 1.63m
 Traction force: 1000N
 - Connecting strip and screw included.

Notes:
 - Basic unit come without safety cover.
 - Refer "Safety Cover" for 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.

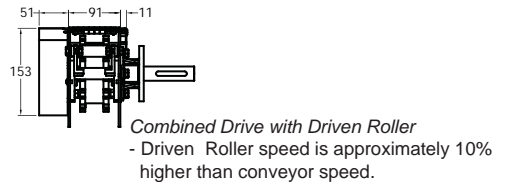
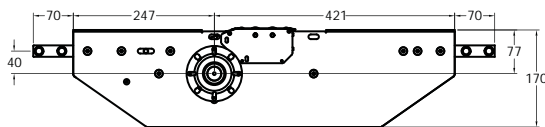
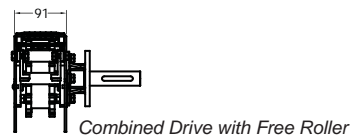
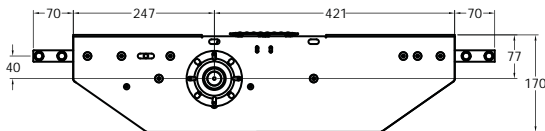
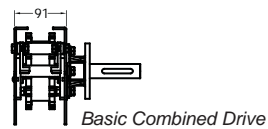
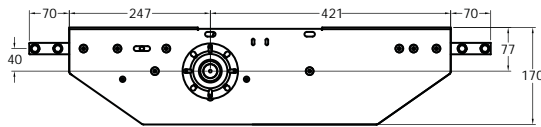
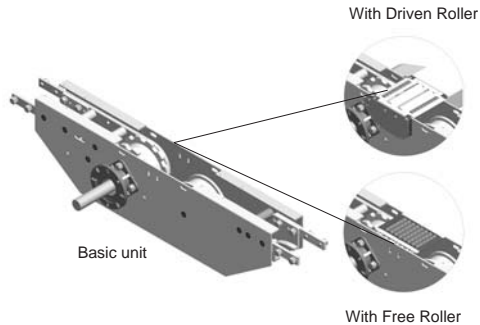
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Drive Units DM3 (Continued)

Combined Drive Unit



Item Code	Weight	Supply
DM3 DT R/L S/M	10.8kg	1 Unit
DM3 DT R/L S/M TR (With Free Roller)	11.0kg	1 Unit
DM3 DT R/L S/M DR (With Driven Roller)	12.5kg	1 Unit

Effective track length: 1.63m

Traction force: 1000N

- Connecting strip and screw included.

Notes:

- Basic unit come without safety cover.

- Refer "Safety Cover" for 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.

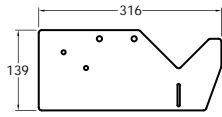
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Units DM3 (Continued)

Safety Cover for Front Drive and Combined Drive (Option)

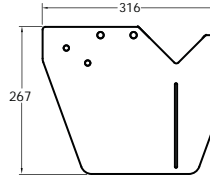
Short Safety Cover



- Material : Stainless Steel

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

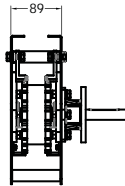
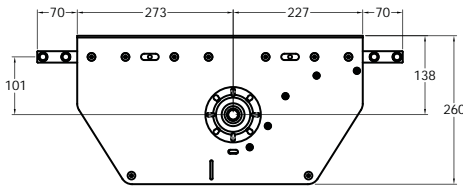
Normal Safety Cover



- Material : Stainless Steel

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

Intermediate Drive Unit



Item Code	Weight	Supply
DM3 DI R/L S/M	13.0kg	1 Unit

Effective track length: 1.2m

Traction force: 200N

- Connecting strip and screw included.

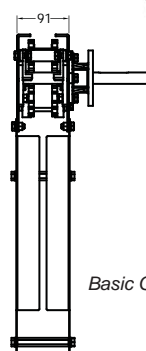
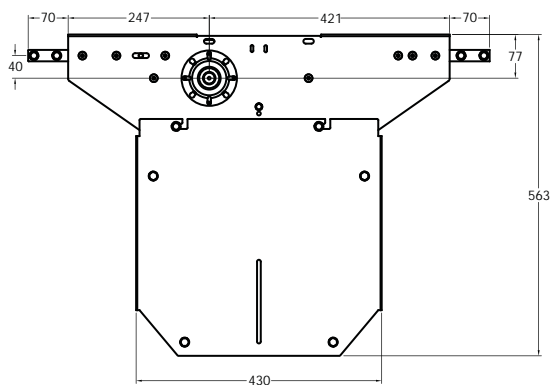
Notes:

- Refer TR15 for chain effective track length calculation.

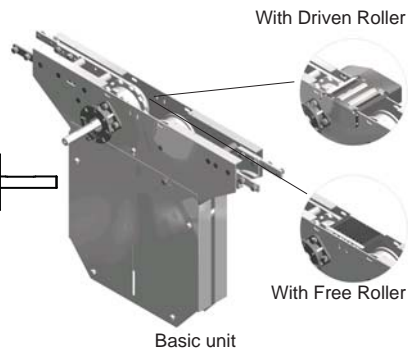
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Drive Units DM3 (Continued)

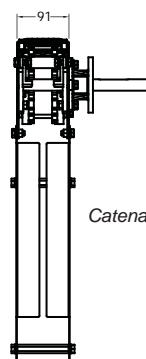
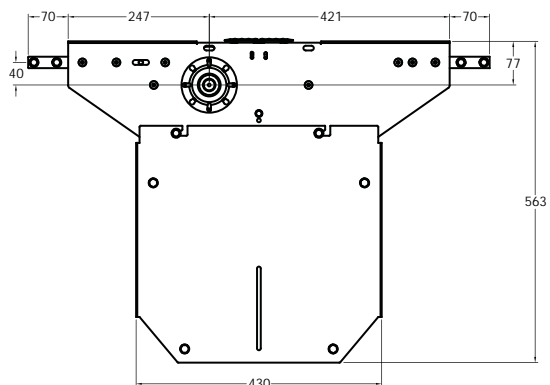
Catenary Drive Unit



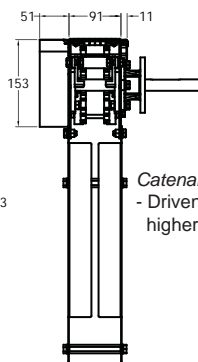
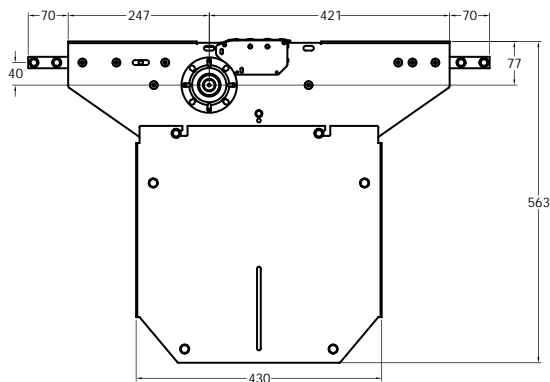
Basic Catenary Drive



Basic unit



Catenary Drive with Free Roller



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

Item Code	Weight	Supply
DM3 DC R/L S/M	19.5kg	1 Unit
DM3 DC R/L S/M TR (With Free Roller)	19.7kg	1 Unit
DM3 DC R/L S/M DR (With Driven Roller)	21.2kg	1 Unit

Effective track length: 1.66m

Traction force: 1000N

- Connecting strip and screw included.

Notes:

- For top running chain.

- Refer TR15 for chain effective track length calculation.

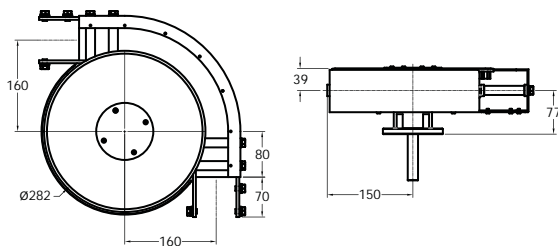
- Cleated Chain is not possible to use on this drive.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Units DM3 (Continued)

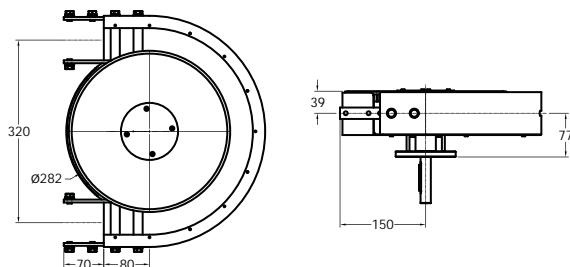
90° Wheel Bend Drive Unit



Item Code	Weight	Supply
DM3 DW 90R160 S/M	8.0kg	1 Unit

Effective track length: 0.41m
Traction force: 200N
- Connecting strip and screw included.

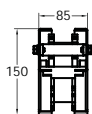
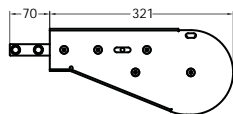
180° Wheel Bend Drive Unit



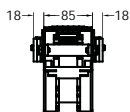
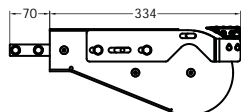
Item Code	Weight	Supply
DM3 DW 180R160 S/M	8.5kg	1 Unit

Effective track length: 0.82m
Traction force: 200N
- Connecting strip and screw included.

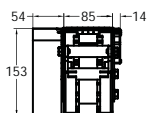
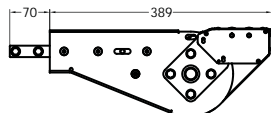
Idler End



Basic Idler End



Idler End with Free Roller



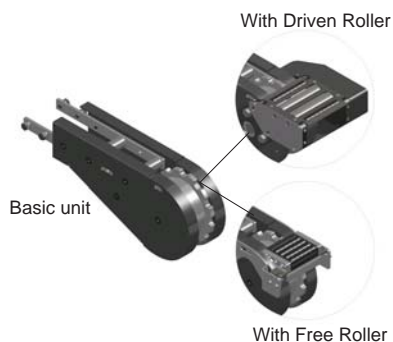
Idler End with Driven Roller
*(Right)

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

Item Code	Weight	Supply
DM3 IE 320	3.2kg	1 Unit
DM3 IE 320 TR (With Free Roller)	3.6kg	1 Unit
DM3 IE 320 DR R/L (With Driven Roller)	5.9kg	1 Unit

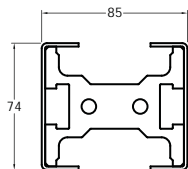
Effective track length: 0.82m
- Connecting strip and screw included.

Notes:
- Cleated Chain not suitable for Driven Roller & Free Roller



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

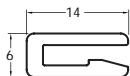
Conveyor Beam DM3



Item Code	Weight	Supply
DM3 CB 2.4	7.6kg	2.4m

Accessories DM3

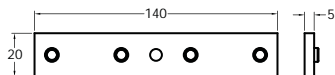
Slide Rail



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



Connecting Strip



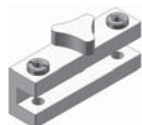
Item Code	Weight	Supply
DA CS 20x140	1.5kg	10 pcs/pkt

Material: Stainless Steel
- 4 pcs M8 Screw included.



Rivet Crimping

Item Code	Supply
MA RC	1 pc



Slide Rail Drill Fixture

Item Code	Supply
MA SRF	1 pc



Rivets

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

Material: Aluminium



Slide Rail Cutter

Item Code	Weight	Supply
MA SC	0.5kg	1 pc



Slide Rail Mounting Tool

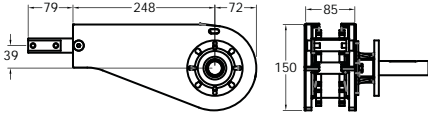
Item Code	Weight	Supply
MM3 SRA	0.4kg	1 pc

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Gripper Elevator / Lowerator Components

Gripper Drive Unit



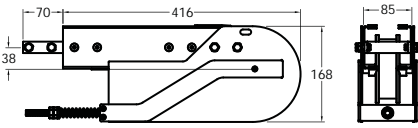
Item Code	Weight	Supply
DM3 DG R/L 25/55 S/M	6.0kg	1 Unit

Effective track length: 0.82m

- Connecting strip and screw included.



Gripper Idler End



Item Code	Weight	Supply
DM3 IG 400	6.2kg	1 Unit

Effective track length: 0.82m

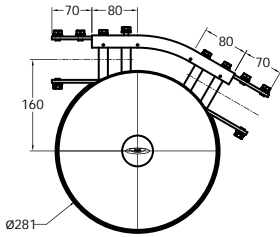
- Connecting strip and screw included.

- Comes with self tensioning unit.



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

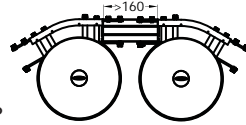
Horizontal Wheel Bends DM3



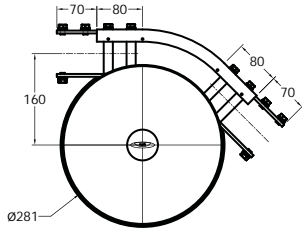
Wheel Bend, 30°

Item Code	Weight	Supply
DM3 BW 30R160	3.6kg	1 set

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



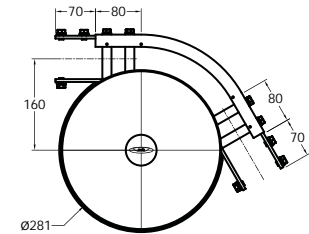
Minimum straight section for all wheel bend connection.



Wheel Bend, 45°

Item Code	Weight	Supply
DM3 BW 45R160	4.0kg	1 set

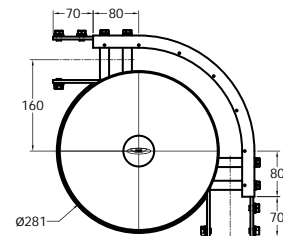
Effective track length:
 0.28m 1-way (0.56m 2-way)
 Tolerance: $\pm 2^\circ$
 - Connecting strip and screw included.



Wheel Bend, 60°

Item Code	Weight	Supply
DM3 BW 60R160	4.1kg	1 set

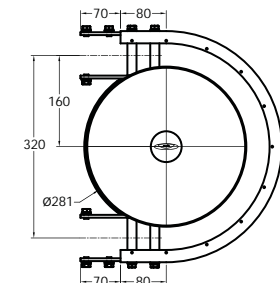
Effective track length:
 0.33m 1-way (0.66 m 2-way)
 Tolerance: $\pm 2^\circ$
 - Connecting strip and screw included.



Wheel Bend, 90°

Item Code	Weight	Supply
DM3 BW 90R160	4.2kg	1 set

Effective track length:
 0.41m 1-way (0.82m 2-way)
 Tolerance: $\pm 2^\circ$
 - Connecting strip and screw included.

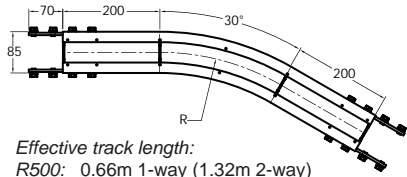


Wheel Bend, 180°

Item Code	Weight	Supply
DM3 BW 180R160	4.4kg	1 set

Effective track length:
 0.66m 1-way (1.32 m 2-way)
 Tolerance: $\pm 2^\circ$
 - Connecting strip and screw included.

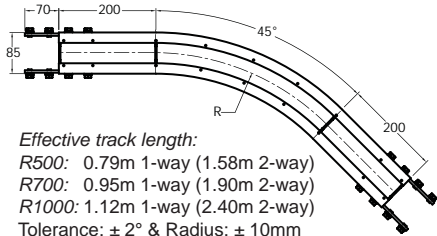
Horizontal Plain Bends DM3



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 screw included.

Horizontal Plain Bend, 30°

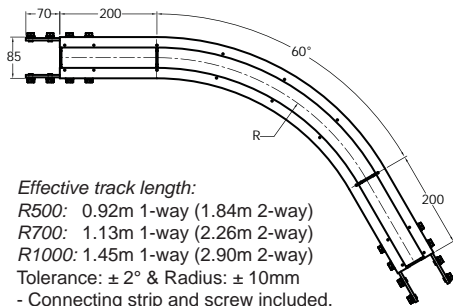
Item Code	R	Weight	Supply
DM3 BP 30R500	500mm	2.5kg	1 set
DM3 BP 30R700	700mm	2.9kg	1 set
DM3 BP 30R1000	1000mm	3.5kg	1 set



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 screw included.

Horizontal Plain Bend, 45°

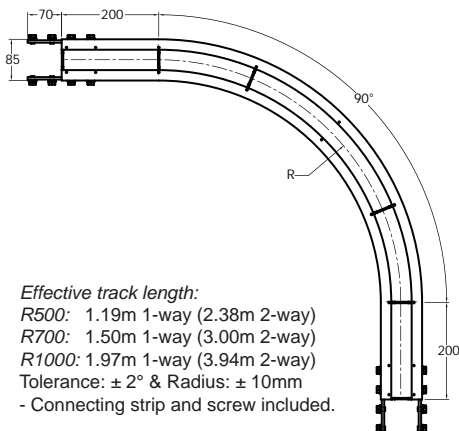
Item Code	R	Weight	Supply
DM3 BP 45R500	500mm	3.0kg	1 set
DM3 BP 45R700	700mm	3.0kg	1 set
DM3 BP 45R1000	1000mm	4.4kg	1 set



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 screw included.

Horizontal Plain Bend, 60°

Item Code	R	Weight	Supply
DM3 BP 60R500	500mm	3.5kg	1 set
DM3 BP 60R700	700mm	4.2kg	1 set
DM3 BP 60R1000	1000mm	5.4kg	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 screw included.

Horizontal Plain Bend, 90°

Item Code	R	Weight	Supply
DM3 BP 90R500	500mm	4.5kg	1 set
DM3 BP 90R700	700mm	5.6kg	1 set
DM3 BP 90R1000	1000mm	7.3kg	1 set

Notes:

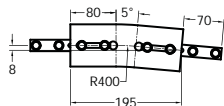
- Non standard Plain Bends are available on request. Please refer MODU representative for detail.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

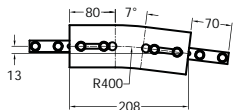
Vertical Bends DM3



Vertical Bend, 5°

Item Code	Weight	Supply
DM3 BV 5R400	0.8kg	1 set

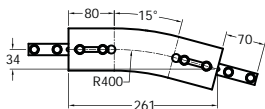
Effective track length:
 R400: 0.19m 1-way (0.38m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 7°

Item Code	Weight	Supply
DM3 BV 7R400	0.8kg	1 set

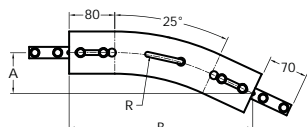
Effective track length:
 R400: 0.20m 1-way (0.40m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 15°

Item Code	Weight	Supply
DM3 BV 15R400	1.0kg	1 set

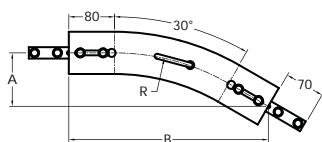
Effective track length:
 R400: 0.26m 1-way (0.52m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 25°

Item Code	R	A	B	Weight	Supply
DM3 BV 25R400	400mm	71mm	322mm	1.3kg	1 set
DM3 BV 25R1000	1000mm	128mm	575mm	2.3kg	1 set

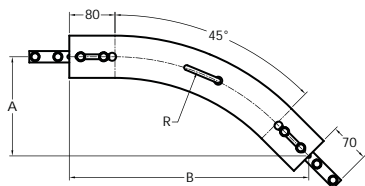
Effective track length:
 R400: 0.33m 1-way (0.66m 2-way)
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 30°

Item Code	R	A	B	Weight	Supply
DM3 BV 30R400	400mm	80mm	299mm	1.6kg	1 set
DM3 BV 30R1000	1000mm	174mm	649mm	3.3kg	1 set

Effective track length:
 R400: 0.37m 1-way (0.74m 2-way)
 R1000: 0.68m 1-way (1.36m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.

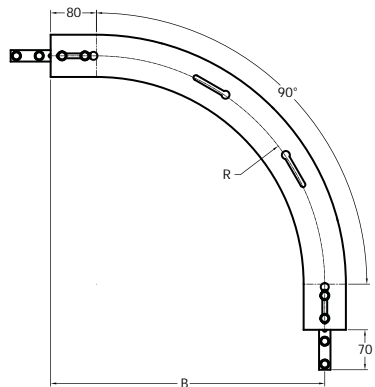


Vertical Bend, 45°

Item Code	R	A	B	Weight	Supply
DM3 BV 45R400	400mm	174mm	419mm	1.8kg	1 set
DM3 BV 45R1000	1000mm	350mm	844mm	3.5kg	1 set

Effective track length:
 R300: 0.47m 1-way (0.94m 2-way)
 R1000: 0.95m 1-way (1.90m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.

Vertical Bends DM3 (Continued)



Vertical Bend, 90°

Item Code	R	B	Weight	Supply
DM3 BV 90R400	400mm	480mm	3.0kg	1 set
DM3 BV 90R1000	1000mm	1180mm	6.4kg	1 set

Effective track length:

R400: 0.63m 1-way (1.26m 2-way)

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

Tolerance: ± 2° & Radius: ± 10mm

- Connecting strip and screw included.

Notes:

- Non standard Vertical Bends are available on request. Please refer MODU representative for detail.

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Conveyor System DL2



Description

140mm width thermoplastic chain with stainless steel frame. Also available with aluminium frame conveyor system, please refer section ML2.

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

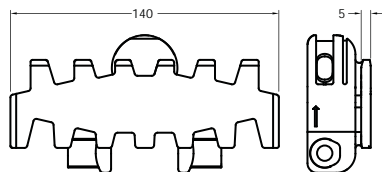
Technical characteristics

Chain Width		140 mm
Chain Pitch		44.5 mm
Chain Weight		2.46 kg/m
Max Tension	With Wheel Bend	1000 N
	Without Wheel Bend	1300 N
Max Product Weight*	Horizontal Transport	25 kg
	Vertical Transport	15 kg
Total Load*		400 Kg
Working Temperature*		-10°C to 60°C
Max Conveyor Length*		30m
Max Speed*		50 m/min
Drive Unit Capacity		1300 N
Item Width*		25-320 mm

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

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chains DL2

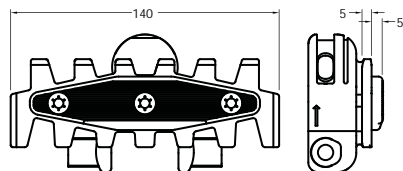


Plain Chain



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

Item Code	Chain Material	Colour	Weight	Supply
ML2 CP 5	POM	White	13.0kg/roll	5m/roll
ML2 CP 5A	Anti-Static	Black	13.0kg/roll	5m/roll
ML2 CP 5K	POM-Kevlar	Yellow	15.6kg/roll	5m/roll

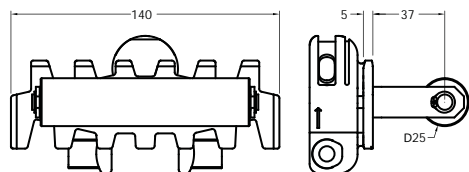


Insert Friction Chain



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

Item Code	Chain Material	Colour	Weight	Supply
ML2 CF 5	POM	White	15.0kg/roll	5m/roll
ML2 CF 5A	Anti-Static	Black	15.0kg/roll	5m/roll
ML2 CF 5K	POM-Kevlar	Yellow	17.0kg/roll	5m/roll

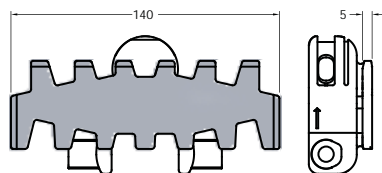


Roller Cleated Chain



- 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. DL2 CR 3 3p = Every 3rd link to be cleated).
- **Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
DL2 CR 3	POM	White	17.0kg/roll	3m/roll

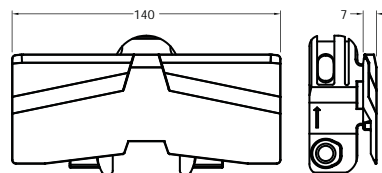


Flocked Chain



- Suitable for scratch sensitive material.
- Flock colour : Grey.
- Accumulation possible for light product only.
- PP chain material working tension = 650N.

Item Code	Chain Material	Colour	Weight	Supply
ML2 CL 5	PP	White	12.5kg/roll	5m/roll



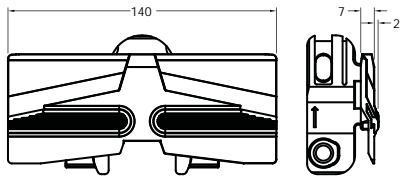
Safety Chain



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

Item Code	Chain Material	Colour	Weight	Supply
ML2 CP 5S	POM	White	12.4kg/roll	5m/roll

Chains DL2 (Continued)



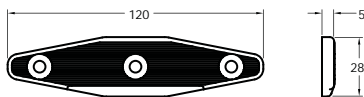
Safety Friction Chain



- Suitable for conveyor configuration with incline/decline up to 25°.
- Friction material : TPE (grey).
- Accumulation not possible.
- PP chain material working tension is less than POM, please refer to technical reference.

Item Code	Chain Material	Colour	Weight	Supply
ML2 CF 5S	PP	White	12.4kg/roll	5m/roll

Chains Top Replacement DL2



Insert Friction Pad



Item Code	Chain Material	Colour	Weight	Supply
ML2 FP	TPE	Grey	0.01kg	10pcs/pkt

Chain Accessories DL2

Lubricant For Chain Chain Pivot



Silicone-based lubricant,
400ml

Item Code	Weight	Supply
MA SL	0.35kg	1pc



Item Code	Weight	Supply
ML2 PV	0.07kg	10pcs/pkt

Stainless Steel Pin



Item Code	Weight	Supply
ML2 PN M8x73	0.28kg	10pcs/pkt

Chain Pin Insertion Tool



Chain pin insertion tool
shown without attachment
& specific drive pin

Item Code	Weight	Supply
TR CP1	1.20kg	1pc

Kit - Attachment For Chain Tool

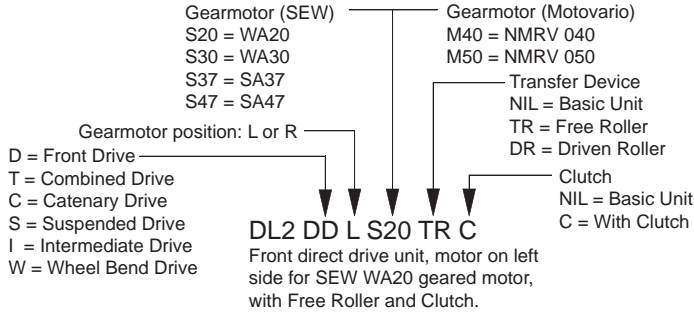


Chain attachment
& drive pin

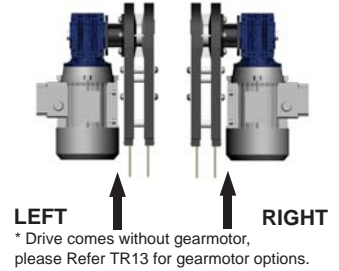
Item Code	Weight	Supply
ML2 AC	0.30kg	1set

Drive Units DL2

Item Code Guideline For Drive Units



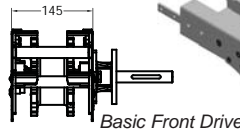
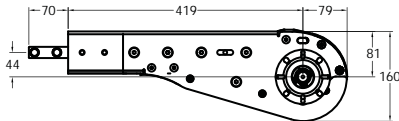
Motor Orientation Guideline



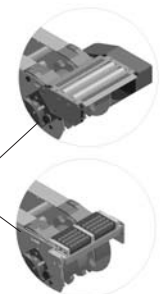
eg. Code for Basic unit; DL2 DD R M50 => Front direct drive unit, motor on right side for Motovario NMRV 050 geared motor.

Front Drive Unit

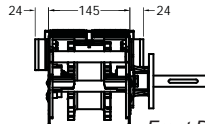
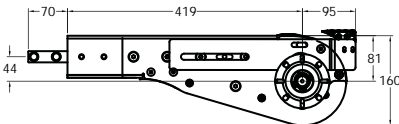
With Driven Roller



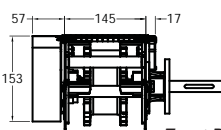
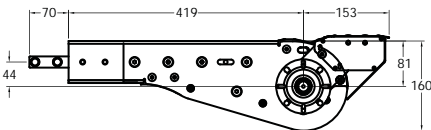
Basic unit



With Free Roller



Front Drive with Free Roller



Front Drive with Driven Roller

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

Item Code	Weight	Supply
DL2 DD R/L S/M	6.4kg	1 Unit
DL2 DD R/L S/M TR (With Free Roller)	8.1kg	1 Unit
DL2 DD R/L S/M DR (With Driven Roller)	9.9kg	1 Unit

Effective track length: 1.16m

Traction force: 1300N

- Connecting strip and screw included.

Notes:

- Basic unit come without safety cover.

- Refer "Safety Cover" for option.

- Recommended maximum chain elongation is 366mm from top conveyor to chain slack.

- Refer TR15 for chain effective track length calculation.

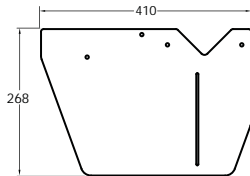
- Cleated Chain is not possible to use on drive with Free Roller or Driven Roller.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Units DL2 (Continued)

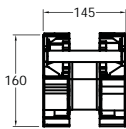
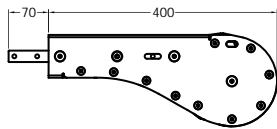
Safety Cover for Front Drive (Option)



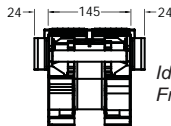
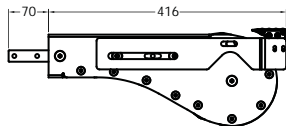
- Material : Stainless Steel

Item Code	Weight	Supply
SC 268	1.8kg	2 pcs/set

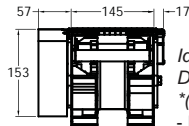
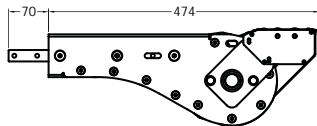
Idler End



Basic Idler End

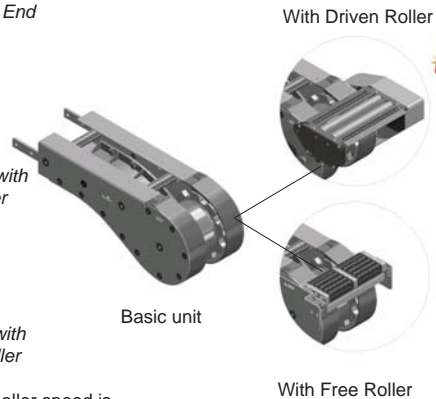


Idler End with Free Roller



Idler End with Driven Roller *(Right)

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



Basic unit

With Free Roller

Item Code	Weight	Supply
DL2 IE 400	6.7kg	1 Unit
DL2 IE 400 TR (With Free Roller)	7.0kg	1 Unit
DL2 IE 400 DR R/L (With Driven Roller)	8.5kg	1 Unit

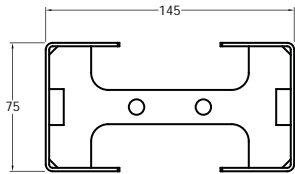
Effective track length: 1.02m

- Connecting strip and set screw included.

Notes:

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

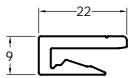
Conveyor Beam DL2



Item Code	Weight	Supply
DL2 CB 2.4	18.9kg	2.4m

Accessories DL2

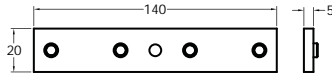
Slide Rail



Item Code	Material	Colour	Weight	Supply
MA2 SR 25	HDPE	Pure white	2.8kg/roll	25m/roll
MA2 SR 25A	Anti-Static	Grey	2.8kg/roll	25m/roll
MA2 SR 25U	UHMW-PE	Semi-transparent white	3.5kg/roll	25m/roll



Connecting Strip



Item Code	Weight	Supply
DA CS 20x140	1.5kg	10 pcs/pkt

Material: Stainless Steel
- 4 pcs M8 Screw included.



Blind Rivet

Item Code	Weight	Supply
DA RB 3.2x9	0.2kg	100 pcs/pkt

Material: Stainless Steel



Slide Rail Cutter

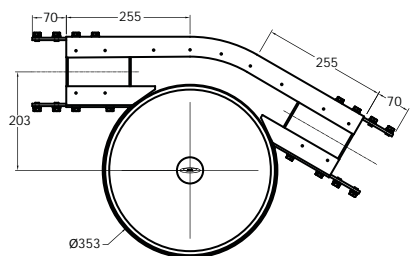
Item Code	Weight	Supply
MA SC	0.5kg	1 pc



Slide Rail Mounting Tool

Item Code	Weight	Supply
MX2 SRA	0.4kg	1 pc

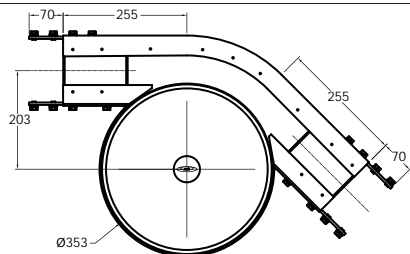
Horizontal Wheel Bends DL2



Wheel Bend, 30°

Item Code	Weight	Supply
DL2 BW 30R200	6.0kg	1 set

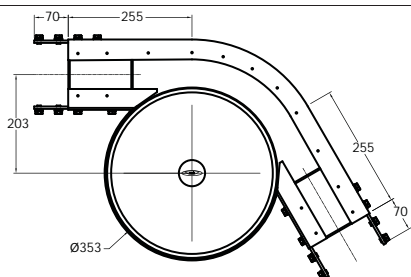
Effective track length:
0.6m 1-way (1.2m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 45°

Item Code	Weight	Supply
DL2 BW 45R200	6.1kg	1 set

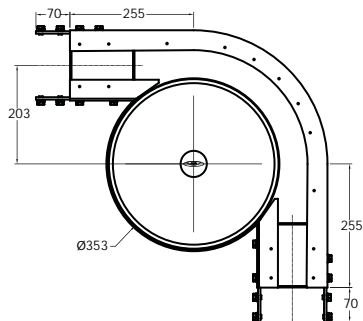
Effective track length:
0.66m 1-way (1.32m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 60°

Item Code	Weight	Supply
DL2 BW 60R200	6.6kg	1 set

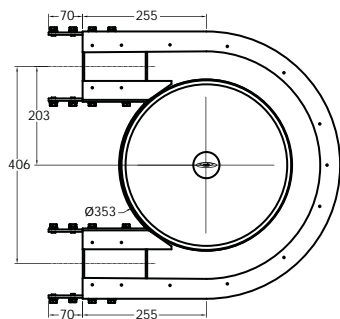
Effective track length:
0.71m 1-way (1.42m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 90°

Item Code	Weight	Supply
DL2 BW 90R200	7.0kg	1 set

Effective track length:
0.81m 1-way (1.62m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.



Wheel Bend, 180°

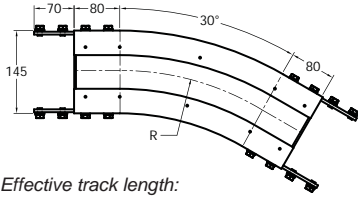
Item Code	Weight	Supply
DL2 BW 180R200	8.4kg	1 set

Effective track length:
1.13m 1-way (2.26m 2-way)
Tolerance: $\pm 2^\circ$
- Connecting strip and screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Horizontal Plain Bends DL2



Effective track length:

R500: 0.42m 1-way (0.84m 2-way)

R700: 0.53m 1-way (1.06m 2-way)

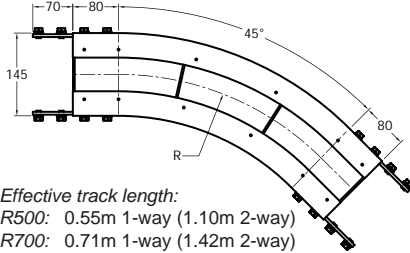
R1000: 0.68m 1-way (1.36m 2-way).

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

- Connecting strip and screw included.

Horizontal Plain Bend, 30°

Item Code	R	Weight	Supply
DL2 BP 30R500	500mm	2.2kg	1 set
DL2 BP 30R700	700mm	2.8kg	1 set
DL2 BP 30R1000	1000mm	3.6kg	1 set



Effective track length:

R500: 0.55m 1-way (1.10m 2-way)

R700: 0.71m 1-way (1.42m 2-way)

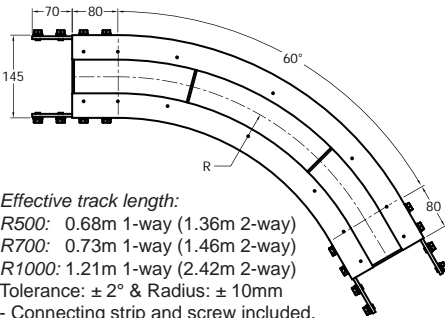
R1000: 0.95m 1-way (1.90m 2-way)

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

- Connecting strip and screw included.

Horizontal Plain Bend, 45°

Item Code	R	Weight	Supply
DL2 BP 45R500	500mm	2.9kg	1 set
DL2 BP 45R700	700mm	3.7kg	1 set
DL2 BP 45R1000	1000mm	4.9kg	1 set



Effective track length:

R500: 0.68m 1-way (1.36m 2-way)

R700: 0.73m 1-way (1.46m 2-way)

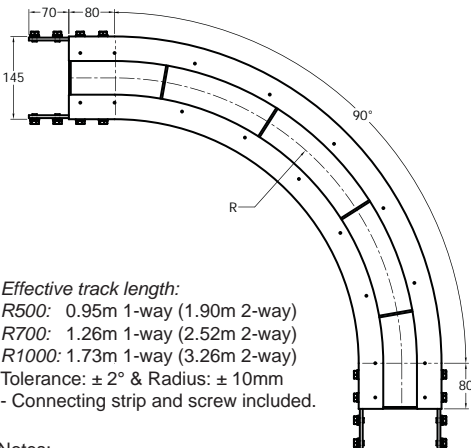
R1000: 1.21m 1-way (2.42m 2-way)

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

- Connecting strip and screw included.

Horizontal Plain Bend, 60°

Item Code	R	Weight	Supply
DL2 BP 60R500	500mm	3.6kg	1 set
DL2 BP 60R700	700mm	4.6kg	1 set
DL2 BP 60R1000	1000mm	6.1kg	1 set



Effective track length:

R500: 0.95m 1-way (1.90m 2-way)

R700: 1.26m 1-way (2.52m 2-way)

R1000: 1.73m 1-way (3.26m 2-way)

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

- Connecting strip and screw included.

Horizontal Plain Bend, 90°

Item Code	R	Weight	Supply
DL2 BP 90R500	500mm	4.9kg	1 set
DL2 BP 90R700	700mm	6.5kg	1 set
DL2 BP 90R1000	1000mm	8.8kg	1 set

Notes:

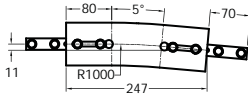
- Non standard Plain Bends are available on request. Please refer MODU representative for detail.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Vertical Bends DL2

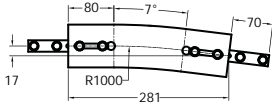
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL



Vertical Bend, 5°

Item Code	Weight	Supply
DL2 BV 5R1000	1.3kg	1 set

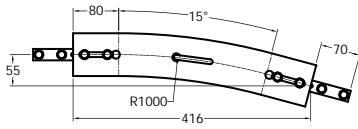
Effective track length:
 R1000: 0.25m 1-way (0.5m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and screw included.



Vertical Bend, 7°

Item Code	Weight	Supply
DL2 BV 7R1000	1.5kg	1 set

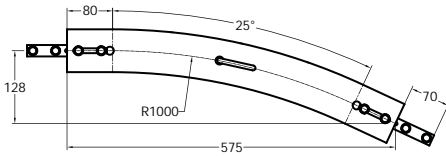
Effective track length:
 R1000: 0.28m 1-way (0.56m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and screw included.



Vertical Bend, 15°

Item Code	Weight	Supply
DL2 BV 15R1000	2.2kg	1 set

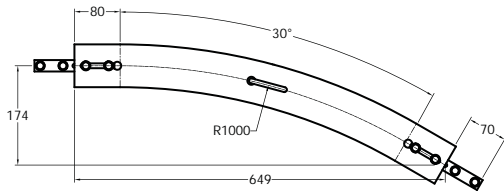
Effective track length:
 R1000: 0.42m 1-way (0.84m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and screw included.



Vertical Bend, 25°

Item Code	Weight	Supply
DL2 BV 25R1000	3.1kg	1 set

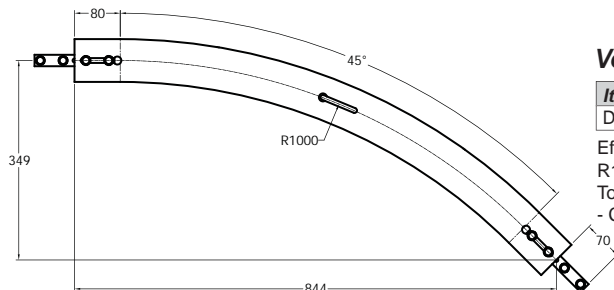
Effective track length:
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and screw included.



Vertical Bend, 30°

Item Code	Weight	Supply
DL2 BV 30R1000	3.5kg	1 set

Effective track length:
 R1000: 0.68m 1-way (1.36m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and screw included.



Vertical Bend, 45°

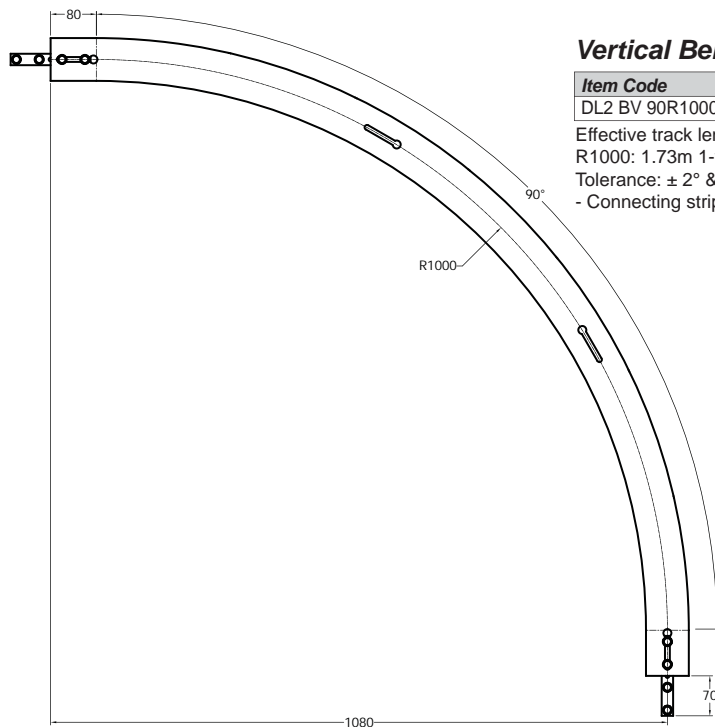
Item Code	Weight	Supply
DL2 BV 45R1000	4.8kg	1 set

Effective track length:
 R1000: 0.95m 1-way (1.90m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and screw included.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Vertical Bends DL2 (Continued)



Vertical Bend, 90°

Item Code	Weight	Supply
DL2 BV 90R1000	8.8kg	1 set

Effective track length:
 R1000: 1.73m 1-way (3.46m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: $\pm 10\text{mm}$
 - Connecting strip and screw included.

Notes:

- Non standard Vertical Bends are available on request. Please refer MODU representative for detail.

Conveyor System DX2



Description

220mm width thermoplastic chain with stainless steel frame conveyor system. Also available with aluminium frame , please refer section MX2.

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		220 mm
Chain Pitch		44.5 mm
Chain Weight		3.40 kg/m
Max Tension	With Wheel Bend	1000 N
	Without Wheel Bend	1300 N
Max Product Weight	Horizontal Transport	25 kg
	Vertical Transport	15 kg
Total Load		400 Kg
Working Temperature		-10°C to 60°C
Max Conveyor Length		30m
Max Speed		50 m/min
Drive Unit Capacity		1300 N
Item Width		70-500 mm

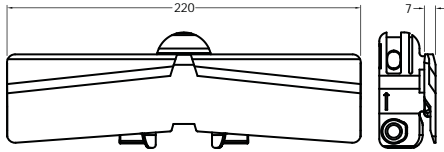
* Actual limit may vary according to conveyor layout and application.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Chains DX2

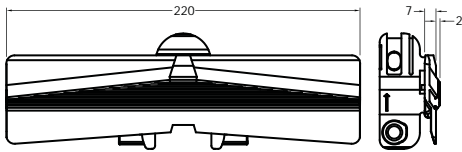
Plain Chain



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

Item Code	Chain Material	Colour	Weight	Supply
MX2 CP 5	POM	White	17.2kg/roll	5m/roll

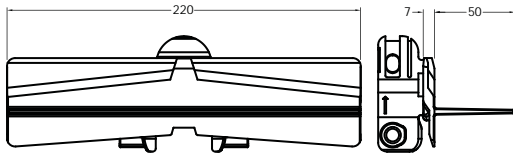
Friction Chain



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

Item Code	Chain Material	Colour	Weight	Supply
MX2 CF 5	POM	White	18.2kg/roll	5m/roll

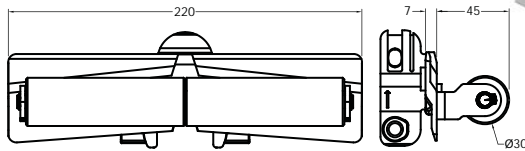
Cleated Chain



- Required for vertical or steeply inclined / declined conveyor.
- Accumulation not possible.
- Not suitable to be use with Combined and Catenary Drive.
- Pitch between cleat must be indicate while ordering. (eg. MX2 CC 3 4P = Every 4th link to be cleated).
- **Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
MX2 CC 3	POM	White	**kg/roll	3m/roll

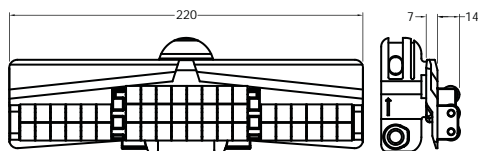
Roller Cleated Chain



- Required for vertical or steeply inclined / declined conveyor.
- Accumulation not possible.
- Not suitable to be use with Combined and Catenary Drive.
- Pitch between cleat must be indicate while ordering. (eg. DX2 CR 3 4P = Every 4th link to be cleated).
- **Please consult MODU for actual Chain weight.

Item Code	Chain Material	Colour	Weight	Supply
DX2 CR 3	POM	White	**kg/roll	3m/roll

Roller Top Chain



- Accumulation possible.
- Low back force.

Item Code	Chain Material	Colour	Weight	Supply
MX2 TR 3	POM	White	22.0kg/roll	3m/roll

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Chain Accessories DX2



Lubricant For Chain

Item Code	Weight	Supply
MA SL	0.35kg	1pc

Silicone-based lubricant, 400ml



Chain Pivot

Item Code	Weight	Supply
ML2 PV	0.07kg	10pcs/pkt



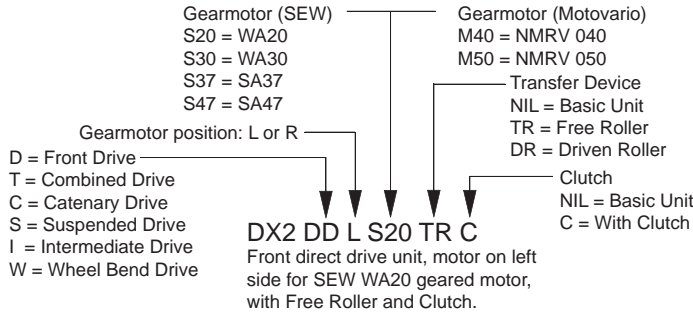
Stainless Steel Pin

Item Code	Weight	Supply
ML2 PN M8x73	0.28kg	10pcs/pkt

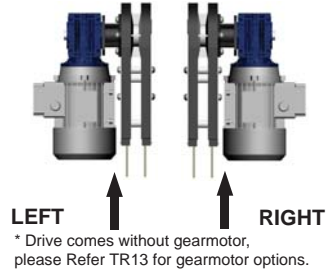
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Drive Units DX2

Item Code Guideline For Drive Units

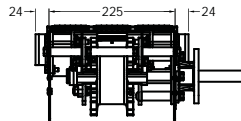
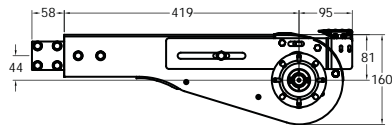
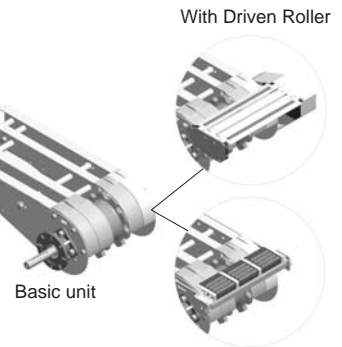
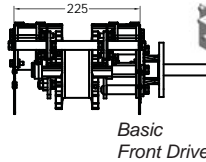
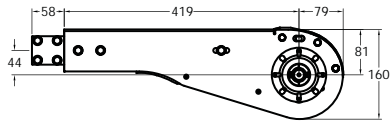


Motor Orientation Guideline

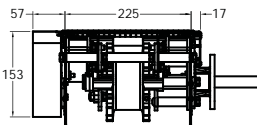
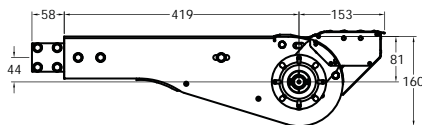


eg. Code for Basic unit; DX2 DD R M50 => Front direct drive unit, motor on right side for Motovario NMRV 050 geared motor.

Front Drive Unit



With Free Roller



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

Item Code	Weight	Supply
DX2 DD R/L S/M	8.5kg	1 Unit
DX2 DD R/L S/M TR (With Free Roller)	9.0kg	1 Unit
DX2 DD R/L S/M DR (With Driven Roller)	10.5kg	1 Unit

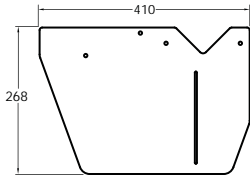
Effective track length: 1.16m
 Traction force: 1300N
 - Connecting strip and screw included.
 Notes:
 - Basic unit come without safety cover.
 - Refer "Safety Cover" for option.
 - Max allowable chain elongation is 366mm from top conveyor to chain slack.
 - Refer TR15 for chain effective track length 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)

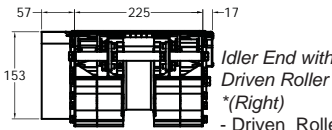
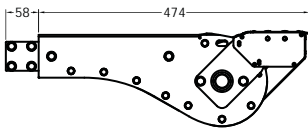
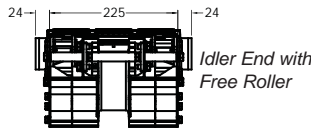
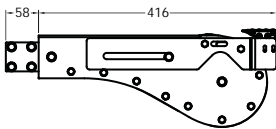
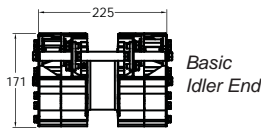
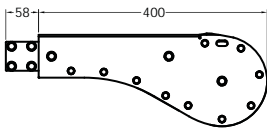
Drive Units DX2 (Continued)

Safety Cover for Front Drive (Option)

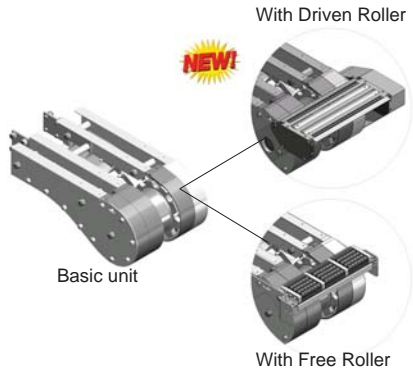


Item Code	Weight	Supply
SC 268	1.8kg	2 pcs/set

Idler End



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



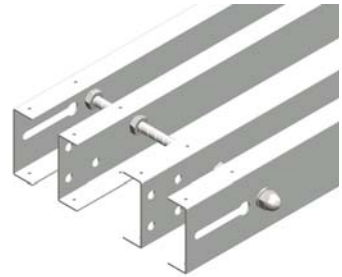
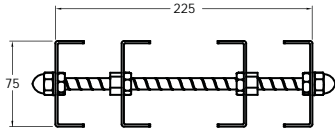
Item Code	Weight	Supply
DX2 IE 400	8.4kg	1 Unit
DX2 IE 400 TR (With Free Roller)	8.6kg	1 Unit
DX2 IE 400 DR R/L (With Driven Roller)	10.4kg	1 Unit

Effective track length: 1.02m
- Connecting strip and screw included.

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

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

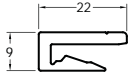
Conveyor Beam DX2



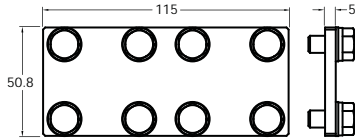
Item Code	Weight	Supply
DX2 CB 2.4	19.2kg	2.4m

Accessories DX2

Slide Rail



Item Code	Material	Colour	Weight	Supply
MA2 SR 25	HDPE	Pure white	2.8kg/roll	25m/roll
MA2 SR 25A	Anti-Static	Grey	2.8kg/roll	25m/roll
MA2 SR 25U	UHMW-PE	Semi-transparent white	3.5kg/roll	25m/roll



Connecting Strip

Item Code	Weight	Supply
DA CS 5x50.8x115	3.0kg	10 pcs/pkt

Material: Stainless Steel
- 8 pcs M8 Screw included.



Blind Rivet

Item Code	Weight	Supply
DA RB 3.2x9	0.2kg	100 pcs/pkt

Material: Stainless Steel



Slide Rail Cutter

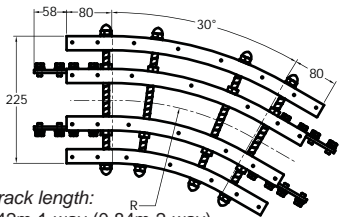
Item Code	Weight	Supply
MA SC	0.5kg	1 pc



Slide Rail Mounting Tool

Item Code	Weight	Supply
MX2 SRA	0.4kg	1 pc

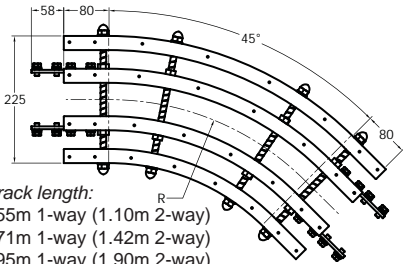
Horizontal Plain Bends DX2



Effective track length:
 R500: 0.42m 1-way (0.84m 2-way)
 R700: 0.53m 1-way (1.06m 2-way)
 R1000: 0.68m 1-way (1.36m 2-way).
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.

Horizontal Plain Bend, 30°

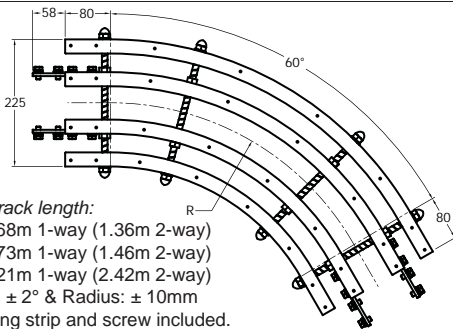
Item Code	R	Weight	Supply
DX2 BP 30R500	500mm	5.8kg	1 set
DX2 BP 30R700	700mm	6.5kg	1 set
DX2 BP 30R1000	1000mm	8.0kg	1 set



Effective track length:
 R500: 0.55m 1-way (1.10m 2-way)
 R700: 0.71m 1-way (1.42m 2-way)
 R1000: 0.95m 1-way (1.90m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.

Horizontal Plain Bend, 45°

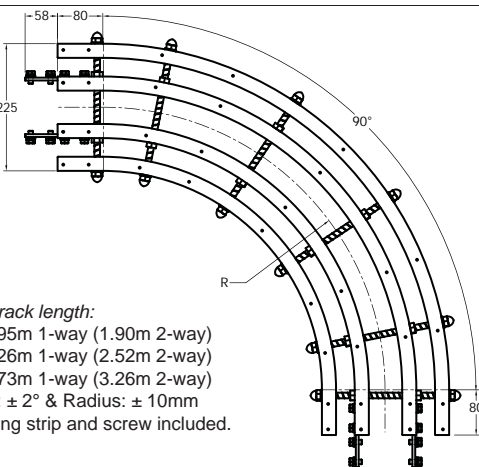
Item Code	R	Weight	Supply
DX2 BP 45R500	500mm	7.0kg	1 set
DX2 BP 45R700	700mm	8.5kg	1 set
DX2 BP 45R1000	1000mm	10.0kg	1 set



Effective track length:
 R500: 0.68m 1-way (1.36m 2-way)
 R700: 0.73m 1-way (1.46m 2-way)
 R1000: 1.21m 1-way (2.42m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.

Horizontal Plain Bend, 60°

Item Code	R	Weight	Supply
DX2 BP 60R500	500mm	8.0kg	1 set
DX2 BP 60R700	700mm	9.5kg	1 set
DX2 BP 60R1000	1000mm	12.0kg	1 set



Effective track length:
 R500: 0.95m 1-way (1.90m 2-way)
 R700: 1.26m 1-way (2.52m 2-way)
 R1000: 1.73m 1-way (3.26m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.

Notes:

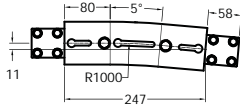
- Non standard Plain Bends are available on request. Please refer MODU representative for detail.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

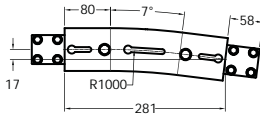
Vertical Bends DX2



Vertical Bend, 5°

Item Code	Weight	Supply
DX2 BV 5R1000	4.0kg	1 set

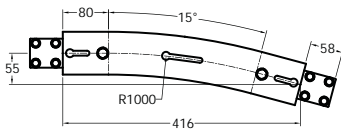
Effective track length:
 R1000: 0.25m 1-way (0.5m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 7°

Item Code	Weight	Supply
DX2 BV 7R1000	4.5kg	1 set

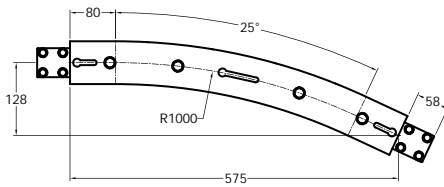
Effective track length:
 R1000: 0.28m 1-way (0.56m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 15°

Item Code	Weight	Supply
DX2 BV 15R1000	5.5kg	1 set

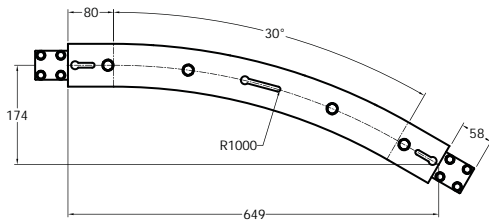
Effective track length:
 R1000: 0.42m 1-way (0.84m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 25°

Item Code	Weight	Supply
DX2 BV 25R1000	7.3kg	1 set

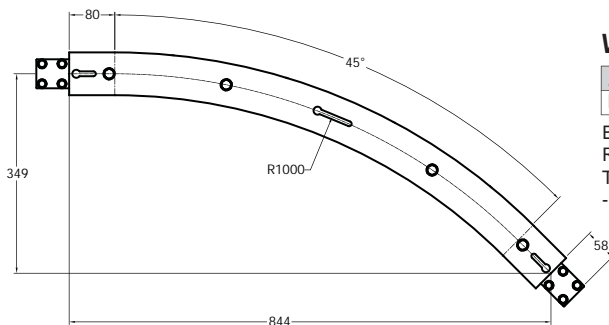
Effective track length:
 R1000: 0.60m 1-way (1.20m 2-way)
 Tolerance: $\pm 2^\circ$ & Radius: ± 10 mm
 - Connecting strip and screw included.



Vertical Bend, 30°

Item Code	Weight	Supply
DX2 BV 30R1000	8.5kg	1 set

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



Vertical Bend, 45°

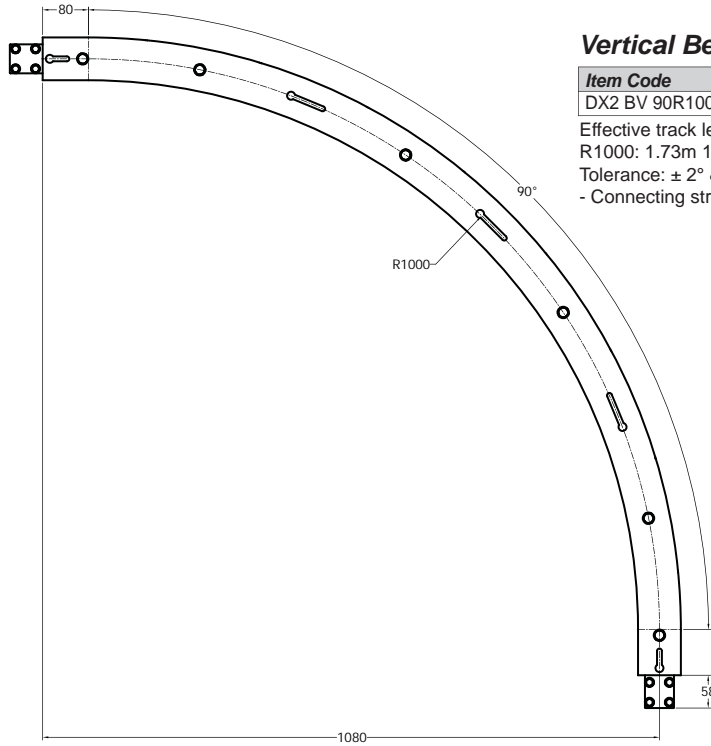
Item Code	Weight	Supply
DX2 BV 45R1000	10.0kg	1 set

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

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Vertical Bends DX2 (Continued)



Vertical Bend, 90°

Item Code	Weight	Supply
DX2 BV 90R1000	16.5kg	1 set

Effective track length:
 R1000: 1.73m 1-way (3.46m 2-way)
 Tolerance: ± 2° & Radius: ± 10mm
 - Connecting strip and screw included.

Notes:

- Non standard Vertical Bends are available on request. Please refer MODU representative for detail.

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Stainless Steel Conveyor Guide DG



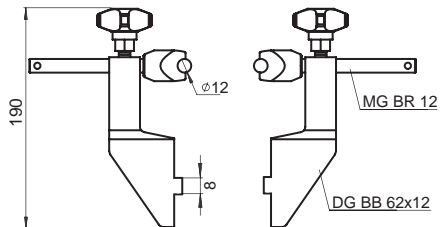
- AP
- TR
- MS2
- MM3
- ML2
- MX2
- MO
- MT
- MG
- MB
- MA
- DS2
- DM3
- DL2
- DG**
- DB
- DA
- SD
- SE
- TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Stainless Steel Conveyor Guide DG

Guide Assembly - Type 1



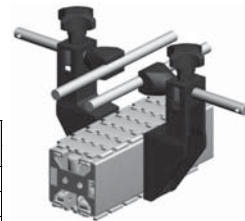
Supply:

- Items are supplied individually.

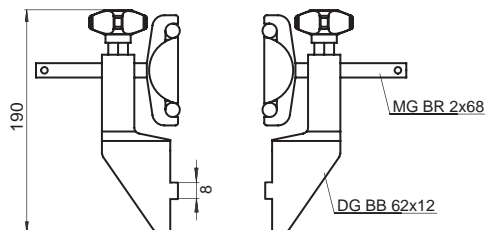
Features:

- Width adjustable by single knob

Series	Width Adjustment		Item Code
	Maximum		
DS2	60		DS G1
DM3	80		DM G1
DL2	140		DL G1
DX2	220		DX G1



Guide Assembly - Type 2



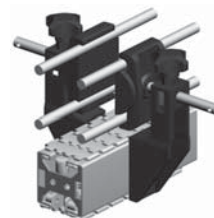
Supply:

- Items are supplied individually.

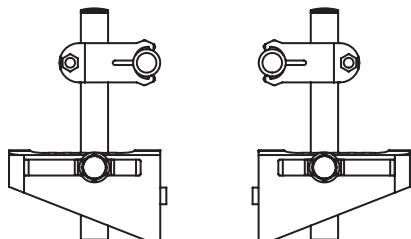
Features:

- Width adjustable by single knob

Series	Width Adjustment		Item Code
	Maximum		
DS2	60		DS G2
DM3	80		DM G2
DL2	140		DL G2
DX2	220		DX G2



Guide Assembly - Type 3



Supply:

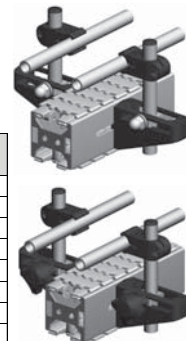
- Items are supplied individually.

Features:

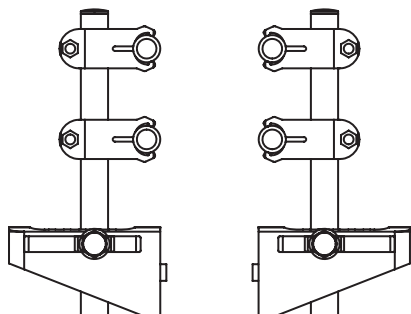
- Height & width adjustable by single dome nut or knob.

- Adjustment every 10mm on one side and other side continuous adjustment.

Series	Width Adjustment		Item Code	Description
	Min	Max		
DS2	25	125	DS G3	M10 dome nut
	25	125	DS G3K	With knob
DM3	45	145	DM G3	M10 dome nut
	45	145	DM G3K	With knob
DL2	100	200	DL G3	M10 dome nut
	100	200	DL G3K	With knob
DX2	185	285	DX G3	M10 dome nut
	185	285	DX G3K	With knob



Guide Assembly - Type 4



Supply:

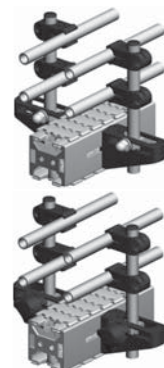
- Items are supplied individually.

Features:

- Height & width adjustable by single dome nut or knob

- Adjustment every 10mm on one side and other side continuous adjustment.

Series	Width Adjustment		Item Code	Description
	Min	Max		
DS2	25	125	DS G4	M10 dome nut
	25	125	DS G4K	With knob
DM3	45	145	DM G4	M10 dome nut
	45	145	DM G4K	With knob
DL2	100	200	DL G4	M10 dome nut
	100	200	DL G4K	With knob
DX2	185	285	DX G4	M10 dome nut
	185	285	DX G4K	With knob

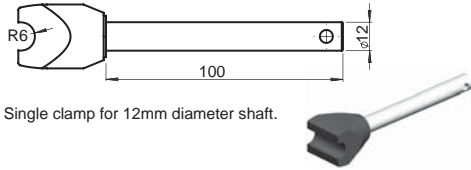


Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Guide Rail Accessories

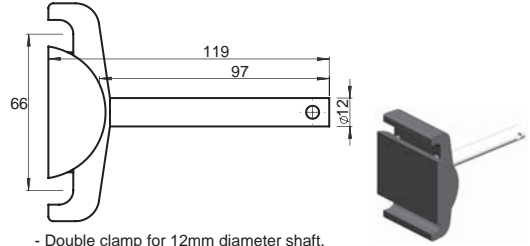
Guide Rail Support



- Single clamp for 12mm diameter shaft.

Item Code	Weight	Supply
MG BR 12	0.1kg	1 pc

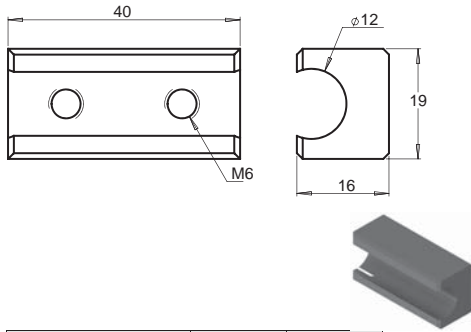
Guide Rail Support



- Double clamp for 12mm diameter shaft.

Item Code	Weight	Supply
MG BR 2x68	0.2kg	1 pc

Guide Rail Connector



Item Code	Weight	Supply
DG BB 12	0.2kg	1 pc

- Set screw included

Stainless Steel Guide Rail

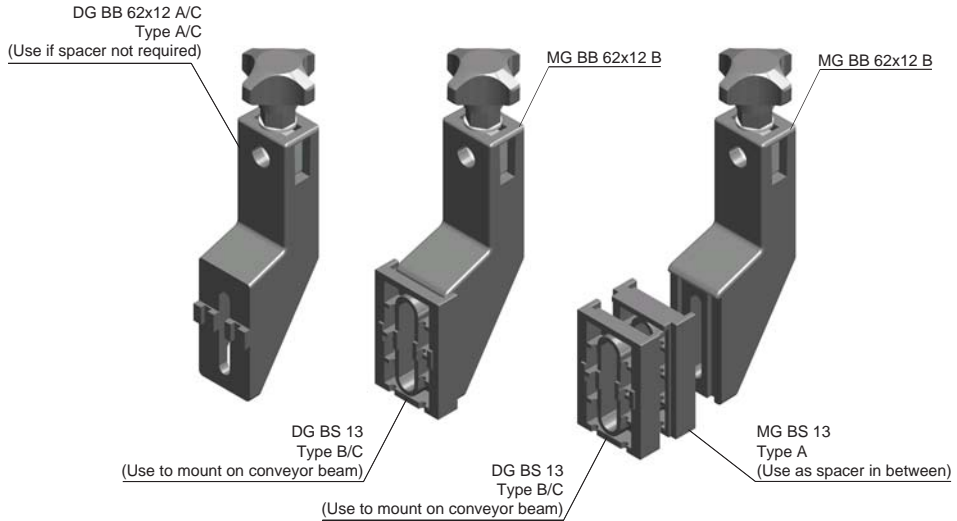


Item Code	Weight	Supply
MG RR 12	2.7kg	3m

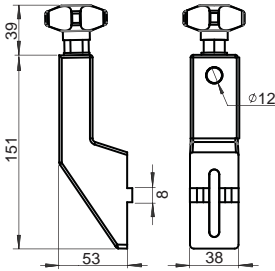
AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Guide Rail Accessories (continued)

Guide Rail Bracket



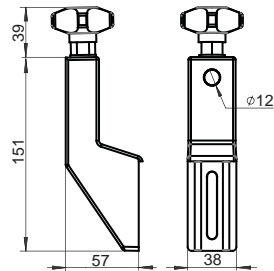
Guide Rail Bracket Type A/C



- Type A for DM3, DL2 & DX2
- Type C for DS2

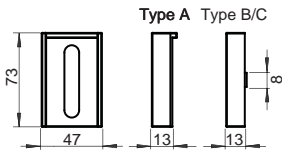
Item Code	Weight	Supply
DG BB 62x12 A/C	0.25kg	1 pc

Guide Rail Bracket Type B



Item Code	Weight	Supply
MG BB 62x12 B	0.25kg	1 pc

Spacer Type A/B/C



- Type A use to increase width by nX13mm (where n=no. of spacer use)
- Type B for DM3, DL2 & DX2
- Type C for DS2

Item Code	Weight	Supply
MG BS 13 A	0.04kg	1 pc
DG BS 13 B/C	0.04kg	1 pc

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Stainless Steel Structure System DB



AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Stainless Steel Structural System DB

DB 1



Unipod

Material:

- Foot plate in stainless steel AISI 303.
- Beam support bracket in stainless steel AISI 303.
- Ornamental pipe in stainless steel AISI 303.

Supply:

- Items are supplied individually.

DB 2



Bipod

Material:

- Foot cap in stainless steel AISI 303.
- Two-point foot in Polyamide, glass fibre reinforced, PA 6 GF30%.
- Beam support bracket in stainless steel AISI 303.
- Ornamental pipe in stainless steel AISI 303.

Supply:

- Items are supplied individually.

DB 3



Tripod

Material:

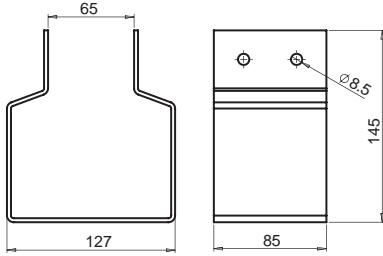
- Foot cap in stainless steel AISI 303.
- Three-point foot in Polyamide, glass fibre reinforced, PA 6 GF30%.
- Beam support bracket in stainless steel AISI 303.
- Ornamental pipe in stainless steel AISI 303.

Supply:

- Items are supplied individually.

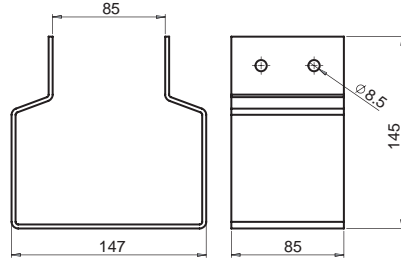
Bracket DB

DS Beam Support Bracket



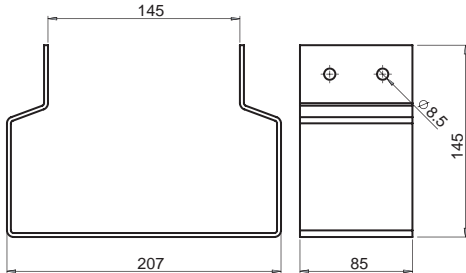
Item Code	Weight	Supply
DS2 BS 100	0.9kg	1 pc

DM Beam Support Bracket



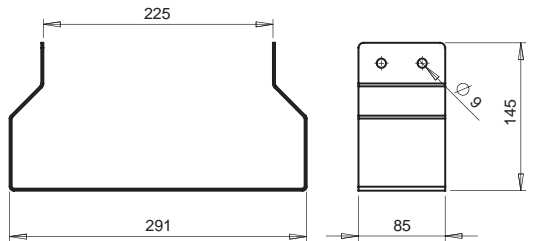
Item Code	Weight	Supply
DM3 BS 100	0.9kg	1 pc

DL Beam Support Bracket



Item Code	Weight	Supply
DL2 BS 100	1.1kg	1 pc

DX Beam Support Bracket

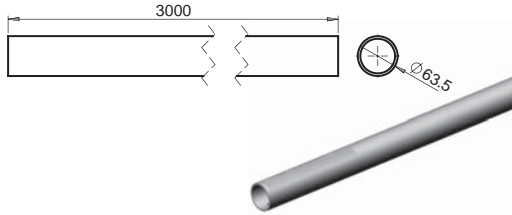


Item Code	Weight	Supply
DX2 BS 100	1.4kg	1 pc

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

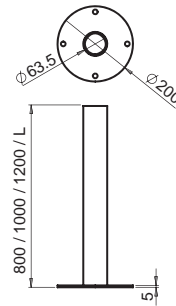
Stainless Steel Structural System DB

Ornamental Pipe



Item Code	Weight	Supply
DB BT 3	16.6kg	3m
DB BT #		Variable Length

Foot Base



- Please specify total length (L).
- Standard length of supply:
 - 800mm
 - 1000mm
 - 1200mm

Item Code	Supply
DB FF L	1 pc



Polyamide Foot, 2-point



Bore Diameter: 63.5mm

Item Code	Weight	Supply
DB FB	2.4kg	1 pc

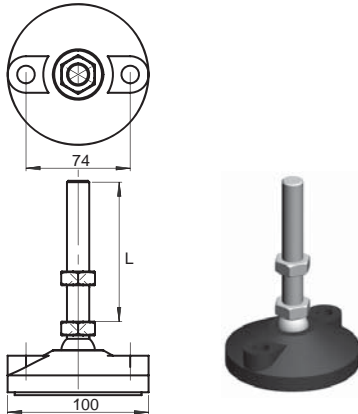
Polyamide Foot, 3-point



Bore Diameter: 63.5mm

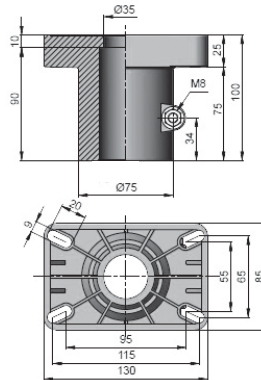
Item Code	Weight	Supply
DB FT	3.6kg	1 pc

Adjusting Foot Cap, M16



Item Code	Weight	Supply
MB FP 16x100S (Stainless Steel)	0.4kg	1 pc
MB FP 16x150S (Stainless Steel)	0.4kg	1 pc

Support Head



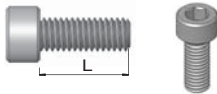
Item Code	Weight	Supply
DB HS	0.3kg	1 pc

Stainless Steel Conveyor Accessories DA

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Fasteners

Cap Screw, M6 & M8



Item Code	Description	Weight	Supply
DA BC M6x16	M6x16mm	0.6kg	100 pcs/pkt
DA BC M8x16	M8x16mm	1.2kg	100 pcs/pkt
DA BC M8x20	M8x20mm	1.3kg	100 pcs/pkt

Material: Stainless Steel

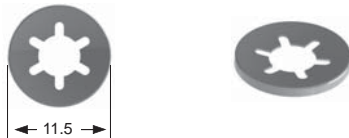
Lock Nut, M6, M8 & M10



Item Code	Weight	Supply
DA NL 6	0.5kg	200 pcs/pkt
DA NL 8	1.0kg	200 pcs/pkt
DA NL 10	0.6kg	50 pcs/pkt

Material: Stainless Steel

Locking Washer



- Locking washer for friction & gripper pad

Item Code	Weight	Supply
MA WL 5	0.01kg	50 pcs/pkt

Floor Anchor Bolt



- M10 Drop in Floor Anchor Bolt

Item Code	Weight	Supply
DA BF M10	2.5kg	50 pcs/pkt

Material: Stainless Steel

Hex Head Bolt, M6, M8 & M10



Item Code	Description	Weight	Supply
DA BH M6x16	M6x16mm	0.6kg	100 pcs/pkt
DA BH M6x20	M6x20mm	0.8kg	100 pcs/pkt
DA BH M8x16	M8x16mm	1.2kg	100 pcs/pkt
DA BH M8x20	M8x20mm	1.3kg	100 pcs/pkt
DA BH M8x25	M8x25mm	1.3kg	100 pcs/pkt
DA BH M8x40	M8x40mm	1.6kg	100 pcs/pkt
DA BH M10x20	M10x20mm	2.2kg	100 pcs/pkt

Material: Stainless Steel

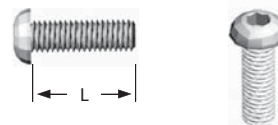
Countersunk Screw



Item Code	Weight	Supply
DA SC M8x16	0.7kg	100 pcs/pkt
DA SC M8x20	0.8kg	100 pcs/pkt

Material: Stainless Steel

Button Head Bolt



Item Code	Description	Weight	Supply
DA BB M6x10	M6x10mm	1.0kg	100 pcs/pkt
DA BB M6x12	M6x12mm	1.1kg	100 pcs/pkt
DA BB M6x16	M6x16mm	1.2kg	100 pcs/pkt
DA BB M8x16	M8x16mm	1.4kg	100 pcs/pkt
DA BB M8x20	M8x20mm	1.6kg	100 pcs/pkt

Material: Stainless Steel

Fasteners

Rivet



Item Code	Weight	Supply
MA RR 3	0.2kg	50 pcs/pkt

Material: Aluminium

Flat Washer, M6, M8 & M10



Item Code	Weight	Supply
DA WF 6	0.25kg	200 pcs/pkt
DA WF 8	0.48kg	200 pcs/pkt
DA WF 10	0.80kg	50 pcs/pkt

Material: Stainless Steel

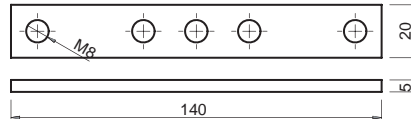
Blind Rivet



Item Code	Weight	Supply
DA RB 3.2x9	0.2kg	100 pcs/pkt

Material: Stainless Steel

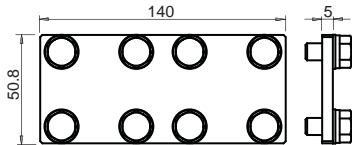
Connecting Strip



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

Material: Stainless Steel
- 4 pcs M8 Screw included.

Connecting Strip



Item Code	Weight	Supply
DA CS 5x50.8x115	3.0kg	10 pcs/pkt

Material: Stainless Steel
- 8 pcs M8 Screw included.

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

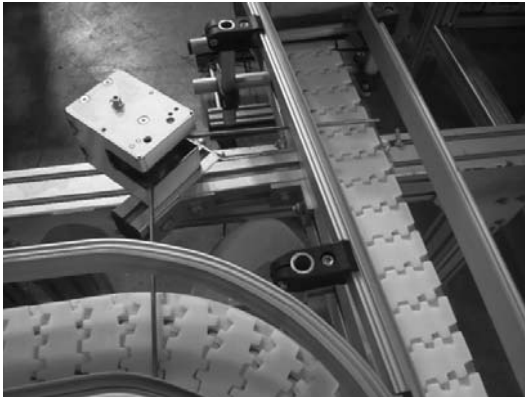
Special Devices SD



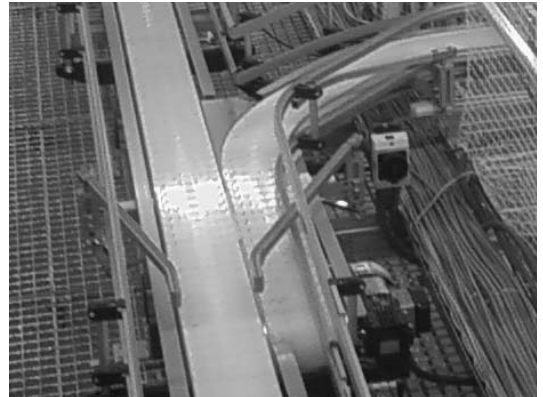
Parallel Mechanical Traffic Controller



Automated Side Guide Adjustment



Perpendicular Mechanical Traffic Controller



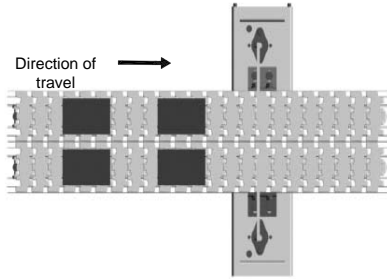
Centering Device

- AP
- TR
- MS2
- MM3
- ML2
- MX2
- MO
- MT
- MG
- MB
- MA
- DS2
- DM3
- DL2
- DX2
- DG
- DB
- DA
- SD
- SE
- TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Parallel Mechanical Traffic Controller



Application:

- Product flow control / merging

Standard Arm Height:

- 100mm , 150mm & 200mm

Standard Center Distance:

- 245mm , 320mm, 545mm & 850mm

Applicable Series:

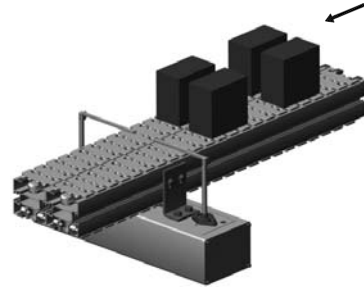
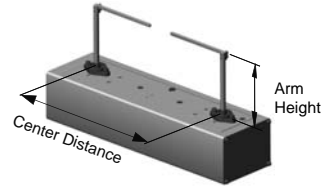
- All MODU series

Part No.

SD PRTC H100/150/200 C245/320/545/850

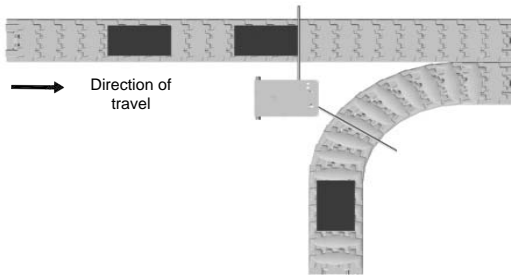
Example: PRTC H150 C320

(Arm height: 150mm; center distance: 320)



Customized configuration available upon request. Please consult MODU System representative for further information.

Perpendicular Mechanical Traffic Controller



Application:

- Product flow control / merging

Applicable Series:

- All MODU series

Standard Arm Length:

- 200mm, 250mm, 300mm, 350mm & 400mm

Standard Arm Angle:

- 45° & 90°

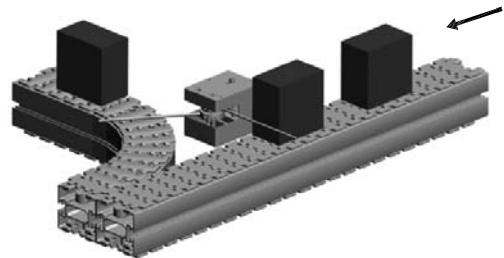
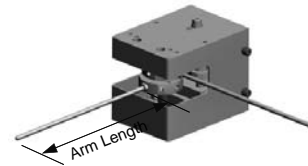
Please specify arm length when placing an order

Part No.

SD PPTC A45/90 L#

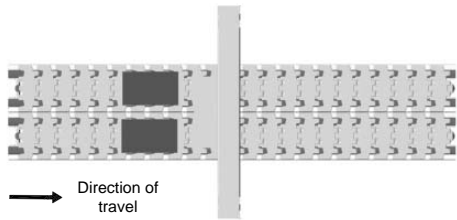
Example: SD PPTC A90 L300

(Arm Angle: 90°; arm length: 300mm)



Customized configuration available upon request. Please consult MODU System representative for further information.

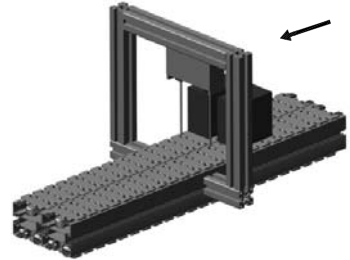
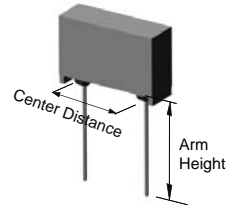
Vertical Mechanical Traffic Controller



- Application:**
 - Product flow control / merging
- Standard Arm Height:**
 - 100mm , 150mm & 200mm
- Standard Center Distance:**
 - 65mm, 85mm, 145mm & 225mm
- Applicable Series:**
 - All MODU series

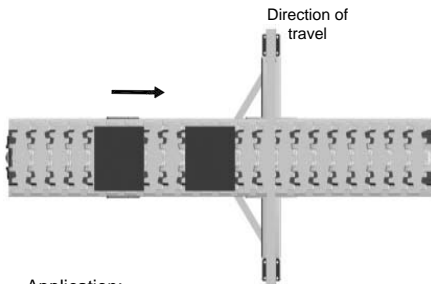
Part No.
SD VTC H100/150/200 C65/85/145/225

Example: SD VTC H100 C145
 (Arm height: 100mm; Center distance: 145mm)



Customized configuration available upon request. Please consult MODU System representative for further information.

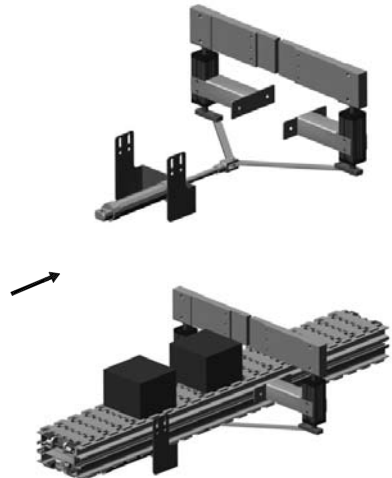
Stopper



Application:
 - Designed to stop products head on, thus minimizing the risk for product damage

Applicable Series:
 - All MODU series

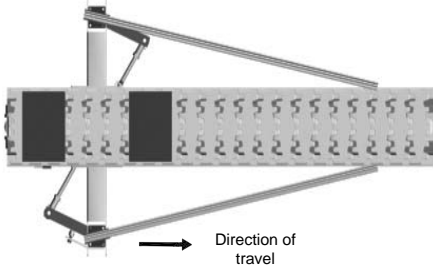
Series	Part No.
MS2	SD MS2 ST
MM3	SD MM3 ST
ML2	SD ML2 ST
MX2	SD MX2 ST



Customized configuration available upon request. Please consult MODU System representative for further information.

AP
 TR
 MS2
 MM3
 ML2
 MX2
 MO
 MT
 MG
 MB
 MA
 DS2
 DM3
 DL2
 DX2
 DG
 DB
 DA
 SD
 SE
 TL

Centering Device



Application:

- Helps to position products at the center of the conveyor.

Standard Arm Height:

- 100mm , 150mm & 200mm

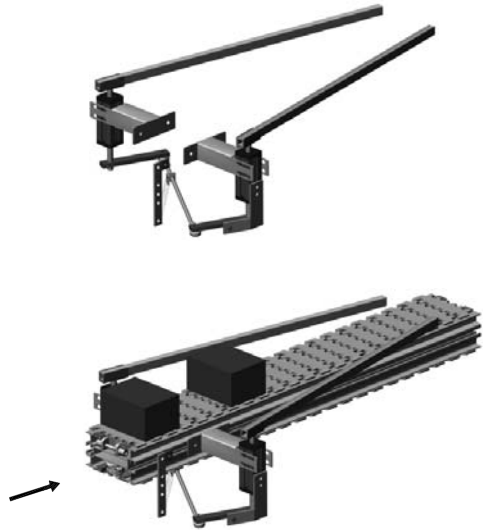
Applicable Series:

- All MODU series

Series	Part No.
MS2	SD MS2 CD H100/150/200
MM3	SD MM3 CD H100/150/200
ML2	SD ML2 CD H100/150/200
MX2	SD MX2 CD H100/150/200

Example: SD MS2 CD H200

(Arm height: 200mm; conveyor series: MS2)



Customized configuration available upon request. Please consult MODU System representative for further information.

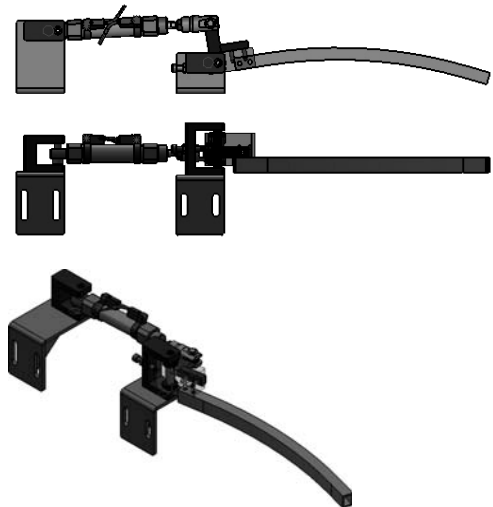
Product Diverter

The product diverter unit enables product to be diverted from one conveyor track to another, at speeds of 400 packs per minute. The unit is can be used in a number of different production situations; diverting a product to an alternative conveyor line or splitting products to feed different machines at the same time.

Features

- Driven by pneumatic actuator
- Available in left hand or right hand versions
- Gentle handling of products
- Self contained unit
- Easily fixed to existing conveyors

Part No.
SD DV



Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Automated Side Guide Adjustment

Automated side guide adjustment can be configured with up to five different settings to accommodate different product sizes. The automated adjustment process usually takes less than a minute, and manual adjustment can also be done without affecting the auto configured settings. The Automated side guide system is applicable to the straight and bend sections.



Automated side guide installed at straight section



Automated side guide installed at bend section



Automated side guide installed at bend section



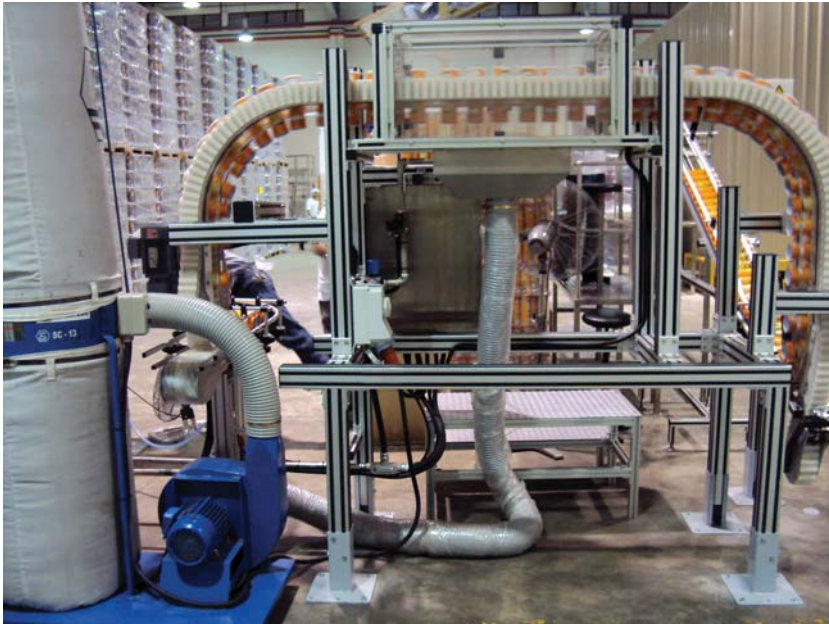
Automated side guide installed at straight section

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Special Equipment SE



Continuous flow carton / case elevator and lowerator



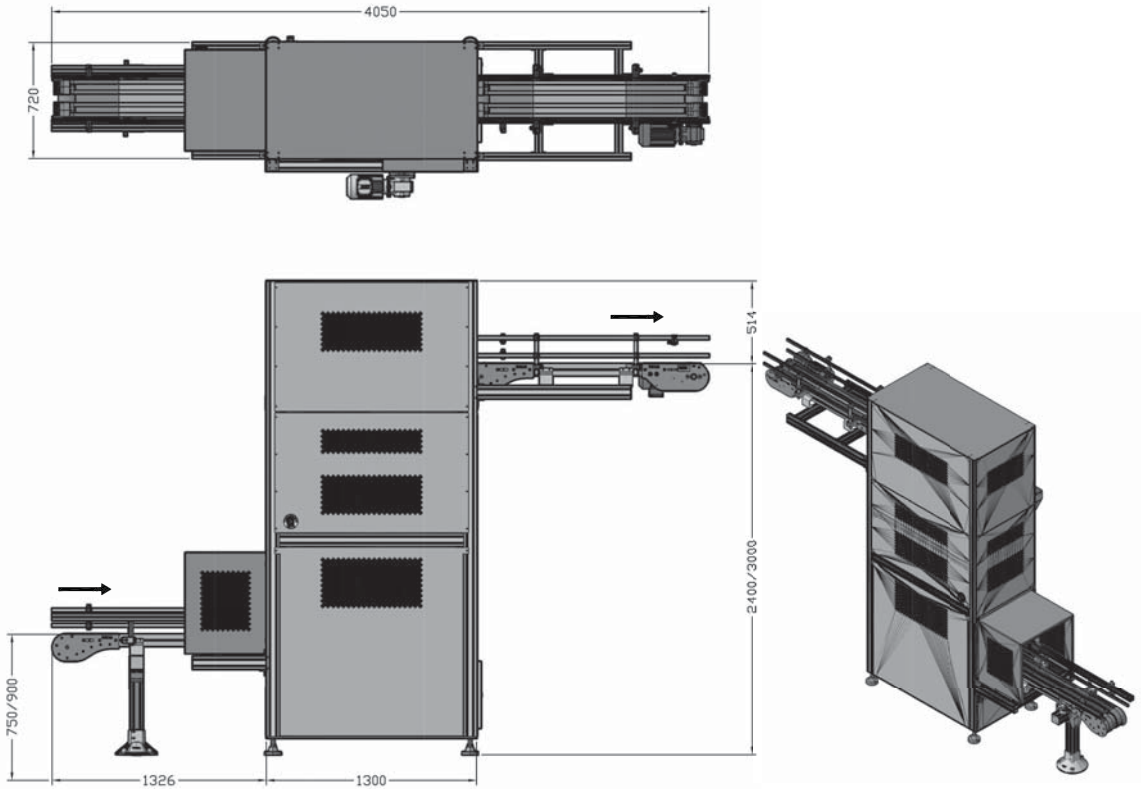
Gripper System

- AP
- TR
- MS2
- MM3
- ML2
- MX2
- MO
- MT
- MG
- MB
- MA
- DS2
- DM3
- DL2
- DX2
- DG
- DB
- DA
- SD
- SE
- TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Continuous Flow Carton/ Case Elevator and Lowerator



Please specify variable (A), (B), & (C) when placing an order.

MODU System Continuous Flow Elevator / Lowerator is commonly used to convey food and beverage cases, bagged products, trays, and other similar items. It is designed for high speed and large payload capacity. MODU System Continuous Flow Elevators / Lowerator free up floor space in case/carton palletizing lines, warehousing, or in work-in-progress storage applications by transferring products to an overhead conveyor section. This machine is idle to create aisleways, clearance for forklifts, transfer product between floors and etc.

Specifications:

Power:	230VAC or 415VAC, 3-Phase
Compressed Air:	5bar
Payload:	4.5kg - 30kg
Min Infeed Height:	550mm
Outfeed Height:	2400mm or variable
Throughput:	up to 20 cases/min (depend on product & application)



Please consult MODU Representative for further information and assistance.

Units: Dimension (mm)

Continuous Flow Carton/ Case Elevator and Lowerator (Continued)

Features

- Available in multiple heights, capacities and payload sizes.
- Continuous-flow elevating—no reciprocating action.
- Easy maintenance access panels.
- Universal mounts for any type of infeed and discharge conveyor.
- aluminum frame and also available in stainless steel.
- Comprehensive guarding.
- Powered infeed and discharge rollers.

Order Guideline

- Standard infeed height: 750 & 900mm
- Standard outfeed height: 2400 & 3000mm
- Standard lifting capacity: 20 cases/min
- Maximum product size: 400x400x400 mm

Part No.	Specification	
	Infeed Height	Outfeed Height
SE CFC 7524	750	2400
SE CFC 7530	750	3000
SE CFC 9024	900	2400
SE CFC 9030	900	3000

Customized configuration available upon request. Please consult MODU System representative for further information.

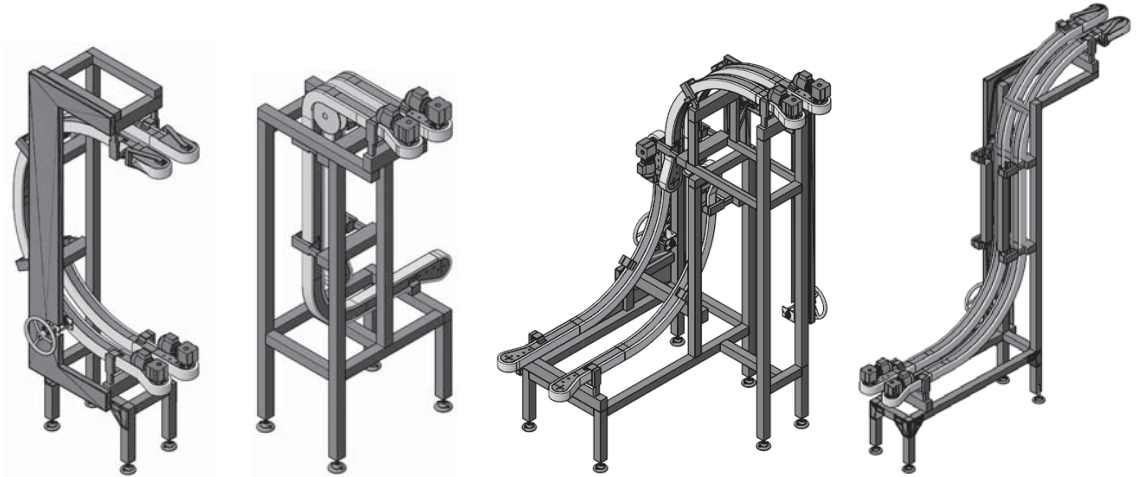


AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Gripper System



C-Flow

Simple Gripper Upender

Gripper Upender

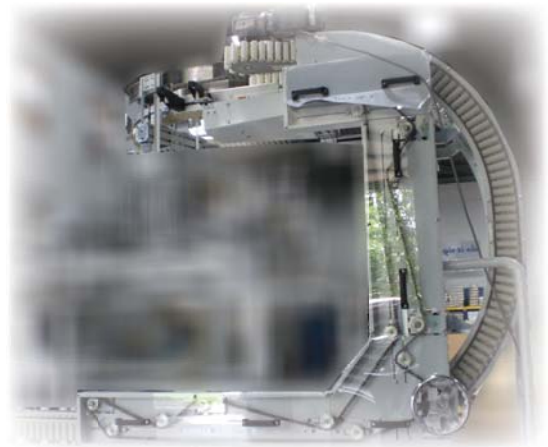
S-Flow

Features

- Save floor space and conveyor length
- Maximize space utilization by creating cooling buffer at ceiling level.
- Easy integrate with other application such as blower, filling, packaging lines
- Flexible and lightweight - easy to install and match with site arrangement layout.
- High capacity vertical transport
- Quick change over time by incorporating adjustable crank system and digital adjustment readout.
- Smooth handling of products.

Basic Functions

1. Product Elevation
2. Product De-Puck
3. Product Reverting
4. Creating Passage Way
5. Inverter Air Rinser
6. Change Orientation



Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Tools TL

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

Chain Pin Insertion Tool



Chain pin insertion tool shown without attachment & specific drive pin

Part No.	Supply
TR CP1	1 pc

Kit - Attachment for chains tools



For 63mm Chain

Part No.	Supply
MS2 AC	1 pc



For 83mm Chain

Part No.	Supply
MM3 AC	1 pc



For 140mm Chain

Part No.	Supply
ML2 AC	1 pc

Sliderail Assembly Tools



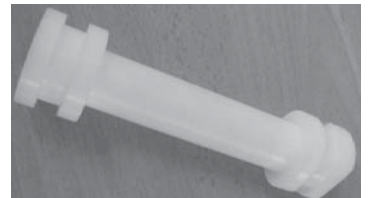
For MS2 & DS2 Conveyor

Part No.	Supply
MS2 SRA	1 pc



For MM3 & DM3 Conveyor

Part No.	Supply
MM3 SRA	1 pc



For ML2, DL2, MX2 & DX2 Conveyor

Part No.	Supply
MX2 SRA	1 pc

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

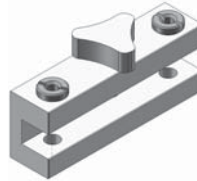
Tools TL

Sliderail Cutter



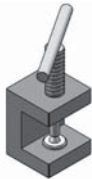
Part No.	Supply
MA SC	1 pc

Sliderail Drill Fixture



Part No.	Supply
MA SRF	1 pc

Rivet Crimping



Part No.	Supply
MA RC	1 pc

Mounting Tool For Slide Rail



For MO, MT & MF Series

Part No.	Supply
MT SRA	1 pc

Aluminum Extrusion Cutting Blade



- Ø355mm , 108 teeth

Part No.	Supply
TR CB	1 pc

Drill bit



- TR DB 2.5 for MA RS 6.5
- TR DB 3.2 for MS RR 3 and DA RB 3.2x9

Part No.	Supply
TR DB 2.5	1 pc
TR DB 3.2	1 pc

Guide rail Bender



- Suitable for MG RR 12, MG RR 3x18 & MG RR 3x20

Part No.	Supply
TR GB	1 pc

AP
TR
MS2
MM3
ML2
MX2
MO
MT
MG
MB
MA
DS2
DM3
DL2
DX2
DG
DB
DA
SD
SE
TL

