



Version
2.0

MODU Automation

PRODUCT CATALOGUE



MODU
Simplicity • Solutions

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Conveyor System



SL Large Conveyor System



SL Large Conveyor System



SL Medium Conveyor System

Please consult MODU representative for further information and assistance.

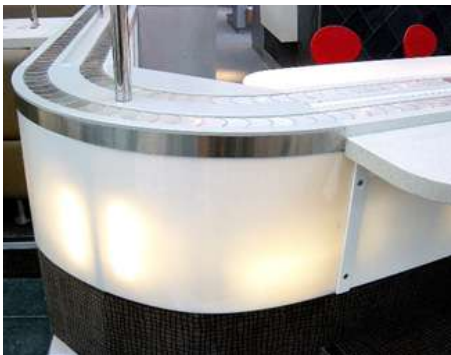
Conveyor System



SL Medium Conveyor System



SL Slim Conveyor System



SM Large Conveyor System

Please consult MODU representative for further information and assistance.

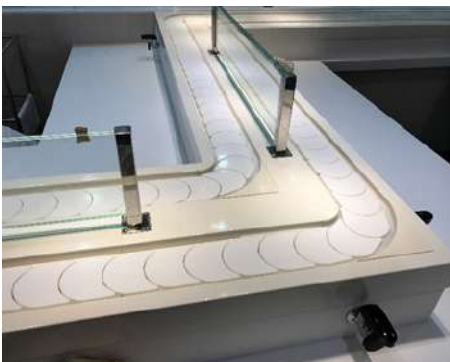
Conveyor System



SM Slim Conveyor System



SM Slim Conveyor System



EM Series Conveyor System

Please consult MODU representative for further information and assistance.

Conveyor System



1st Tier: SM Large Conveyor
2nd Tier: EM Series Conveyor



1st Tier: EM Series Conveyor
2nd Tier: EM Series Conveyor



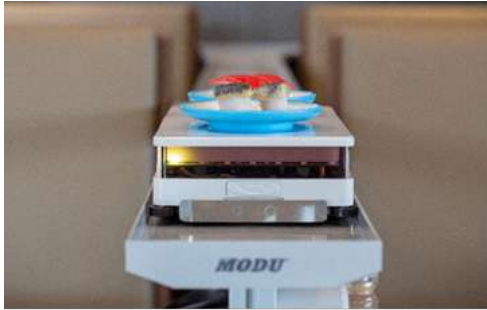
EL Series Conveyor System



1st Tier: EM Series Conveyor
2nd Tier: Food Delivery Robot (FDR)

Please consult MODU representative for further information and assistance.

Food Delivery Robot (FDR)



Please consult MODU representative for further information and assistance.

Express Delivery System (EDS)



Please consult MODU representative for further information and assistance.

Direct Delivery System (DDS)



Please consult MODU representative for further information and assistance.

Pharmacy Conveyor System



Freshness System



Please consult MODU representative for further information and assistance.

Dirty Dish Conveyor (DDC)



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Please consult MODU representative for further information and assistance.

Hot Water System



Conveyor Side Mounting Water Tap



Table Top Mounting Water Tap

Magnetic Conveyor



Please consult MODU representative for further information and assistance.

Others



SL Large Conveyor System with shading above to keep dining ware



Display Conveyor on SM Slim Conveyor System



Hot Pot Steamer on SL Slim Conveyor System

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TECHNICAL REFERENCE



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Basic System Selection

MODU Automation provides a wide selection of conveyor for your restaurant needs based on different sizes to meet your requirement. Consider the following selection criteria:

- **Product Dimensions**

Standard sushi plates can be used in any of our conveyors as long as the bottom-base fits to the width of the profile.

- **Product Weight**

Product weight is essential to calculate the number of motors required in a system. MODU chain has maximum traction force and excessing weight will cause the chain to break.

- **Technical Calculation**

It is important to calculate the total load on conveyor to determine the right chain tension and service factor. If the calculated capacity is higher than the selected drive and chain series, shorten the conveyor or select another system with higher capacity.

- **Floor Space Available**

Different foot-print conveyor sizes are available to fit variety floor sizes.

Product Overview

1. Stainless Steel Straight Conveyors

- MODU Automation conveyors are made from stainless steel 304 material grade. Profile width range from 113mm to 230mm for single track conveyors and 319mm to 500mm for double track conveyors.
- There are two (2) types of plastic chain available; SL Chain and SM Chain. These plastic chains travels on low-friction plastic extruded slide rails.
- Products that are to be conveyed ride directly on the chain. Optional drip trays can be installed under the conveyor tracks in certain cases to avoid food debris dropping to the floor.
- Standard frame length comes in 2.4m. Other lengths are available upon request.

2. Drive Units

- 180deg drive units are built for double track conveyor system and 90deg drive units are built for single track system.
- Drive motors are directly mounted to the mounting plates. Sprocket is attached to the motor shaft.

3. Idler Units

- 180deg idler units are used at the end of the conveyor system. There are no mechanical mechanism to move the chain at the idler position. Chain guides are used for smoother chain movement around the idler,

4. Bends

- There are different angle bends available to move the chain along the tracks.
- Standard bends which are available is 90deg Bends, Tee Bends, R Bends and 45deg Bends.
- Other degree of turn can be customised based on customer's requirement.

5. Curved Conveyors

- Curve conveyors can only be fabricated using these profiles and it can be only done in stainless steel.
Profiles: *SL Medium, SL Slim, SM Large and SM Slim*
- Radius and degree of the conveyor is required during order placement.

6. Slide Rails

- Slide rail provides low friction and wear resistance track for chain to slide on. It is mounted to a conveyor beam via screw or rivets.

7. Aluminium Conveyors

- Aluminium conveyor beams are made from anodized aluminium extrusion that comes in standard length of 3meter.
- Aluminium extrusion has advantages of high strength. Connecting strips are required for joining the straight sections together.

8. Structural System

- MODU structural support system consists of support beams, support brackets, foots and end caps that are interconnected to form a robust support structure for a wide range of application.

Materials

Material	Components
Acetal Copolymer, POM (PolyOxyMethylene)	Conveyor Chain
Aluminium, extruded & anodised AA 6063-T6 (All Straight Sections) AA 6063-T5 (Bend Sections)	Angle Brackets Beam
	Support Brackets
	Conveyor Beam
Polyethylene, PE 500 (HDPE)	Chain Guides
Polyamide injection, PA 6	Pivot for Chain
UHMW-PE 1000	Slide Rail for bends
Nylon	Sprockets
TPE 60A	T Slot Covers
SUS 304	Stainless Steel conveyors

TECHNICAL REFERENCE

Resistance to chemical

MODU Automation provides a wide selection of conveyors for your restaurant needs, MODU Conveyors can withstand continuous contact with most chemicals. However, it is recommended to avoid:

- Acids with pH less than 4
- Bases with pH higher than 9

The following table specifies the resistance of several materials.

Legend

1 = Very good

2 = Good

3 = Moderate resistance

4 = Not recommended

5 = No data available

Material	Acetal POM	Polyamide PA	High-density Polyethylene HDPE	Thermoplastic Elastomer TPE	Aluminium AL
Acids					
Acetic acid	3	4	3	-	2
Benzoic acid	3	4	1	-	4
Citric acid	3	2	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	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	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
Sodium hydrochloride	3	4	1	-	4
Acid salt	2	3	1	-	-
Basic salt	1	2	1	-	-
Neutral salt	1	2	1	-	-

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Organic compounds and solvents:					
Acetone	1	1	4	3	1
Benzene	1	2	4	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	2
Nitrobenzene	2	2	3	-	1
Phenol	3	4	2	-	1
Gasses:					
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	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
Vinegar	1	2	3	-	1

Note: The table above is valid for temperature range up to 60°C and it is considered as a guideline only. Furthermore, precautions should be taken when using cleaning agents. If you are in doubt on the material to withstand your special environment, you should go for chemical testing or contact our local distributor.

Chain Properties

MODU Plastic Modular Chain

Properties	SL Chain	SM Chain
Chain Width	114mm	85mm
Tensile strength at 20°C (POM)	5000N	3000N
Maximum working tension (POM)	1250N	750N
Working temperature	-10°C to 60°C	-10°C to 60°C
Recommended running speed	3 – 50 m/min	3 – 50 m/min
Minimum Turning Radius	100mm	85mm
Link spacing (Pitch)	76.2mm	63.5mm
Chain height	36mm	36mm
Chain weight (POM plain chain)	1.48 kg/m	0.96 kg/min

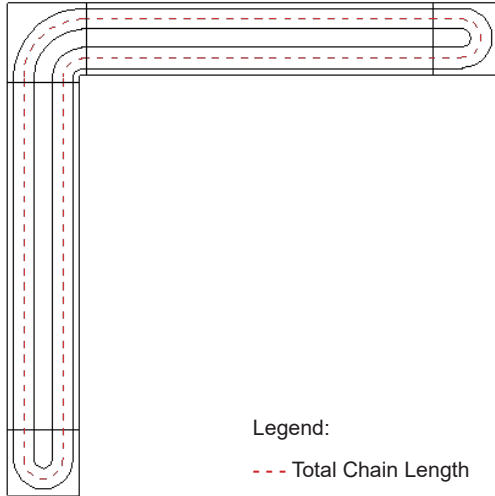
Chain Strength and Expansion Vs Temperature

Temperature °C	Tensile strength factor	Linear expansion %
-20	1.2	-0.4
0	1.1	-0.2
20	1	0.1
40	0.9	0.2
60	0.8	0.5
80	0.6	0.8
100	0.5	1
120	0.3	1.3

Friction Coefficient

Product	Plain Chain
Steel (dry)	0.15 – 0.25
Steel (lubricated)	0.10 – 0.25
Glass (dry)	0.15 – 0.20
Glass (lubricated)	0.10 – 0.15
Aluminium	0.15 – 0.25
Plastic	0.15 – 0.25
Wood and paper	0.15 – 0.30

Calculations



Conveyor Data

Conveyor Series	SL
Conveyor Speed	6m / min
Chain Weight	1.48 kg/m
Total Chain Length	30m
Friction Coefficient, μ_r	0.3
Sushi Plate Size	150mm (Diameter)
Plates per meter	6pcs
Total Weight (Plate and food weight)	0.2kg

Total Chain Weight=(Total Chain Length)(Chain weight)

Total Chain Weight=30 (1.48)

Total Chain Weight=44.4 kg

Total Product Weight =(Plates Per meter)(Total Chain Length)(Product Weight)

Total Product Weight =(6)(30)(0.2)

Total Product Weight =36 kg

Chain Force =(Total Product Weight + Total Chain Weight)(Gravity)(Coefficient of Friction, μ_r)

Chain Force =(36 + 44.4)(9.81)(0.3)

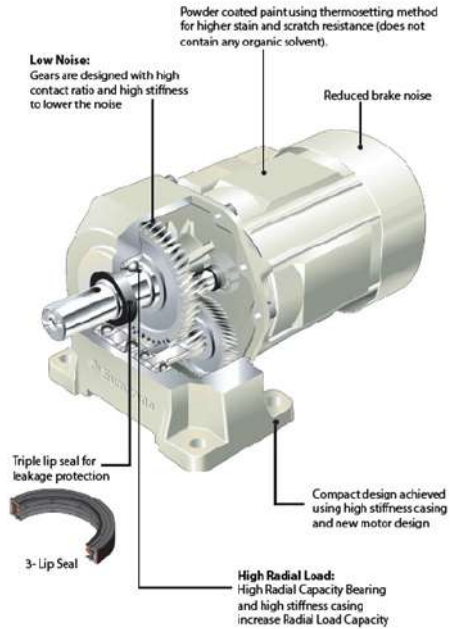
Chain Force = 236.6 N

The maximum chain tension for SL Chain is 1250N. Since the calculated chain force is 236.6N and this value is lower than the chain maximum tension, this conveyor will operate with the chain tension well.

Gearmotor Data

1. Conveyor System

- Features



- At 50Hz

<i>Gear Motor</i>	<i>Output Speed (rpm)</i>	<i>Output Torque (Nm)</i>	<i>Exact Gear Ratio</i>
0.2 kW	7.25	240	198.99
0.4 kW	14.5	240	97.58

- Sprocket Data

<i>Series</i>	<i>SLL</i>	<i>SLM</i>	<i>SLS</i>	<i>SML</i>	<i>SMS</i>	<i>ELM</i>	<i>ELS</i>	<i>PHR</i>
PCD, mm	272	246	246	205	205	246	205	625
No of teeth	11	10	10	10	10	10	10	24

2. Express Delivery System

- Features**

- Implements High Precision Positioning Control
- Satisfies a Variety of Industry Requirements
- Three control modes available: Built-in position, Speed, and Torque.
- Easy to set up

- Specifications**

ASDA – B2 Series	750W
Phase / Voltage	Three-phase 170 ~ 255 VAC , 50/60 Hz ±5%
Encoder Resolution	17-bit (160,000 p/rev)
Rated torque (N-m)*1	2.39
Rated speed (r/min)	3000
Rated current (A)	5.1



3. Direct Delivery System

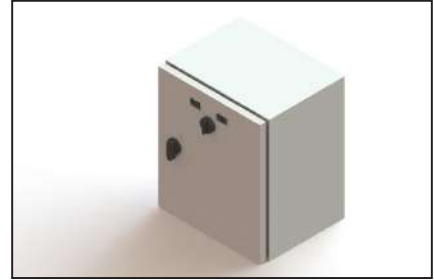
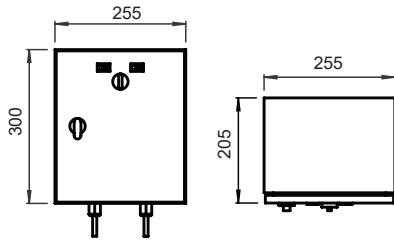
• Features

- The AlphaStep AZ Series stepper motor offers closed loop control, substantially reduces heat generation from the motor and by incorporating the newly developed Absolute Mechanical Encoder.
- Equipped with Battery-Free Absolute Sensor
- Speedy homing with less cabling as external sensors no longer required.
- Even if the power shuts down during a positioning operation, the positioning information is retained.

AZM98ZC	90mm Frame Size
Phase / Voltage	Single Phase 200 – 240 VAC
Gear Type	TS (Spur Gear)
Holding Torque (N-m)	6
Rated speed (r/min)	833
Resolution	0.10 °/Pulse



Control Panel



Terminal Box

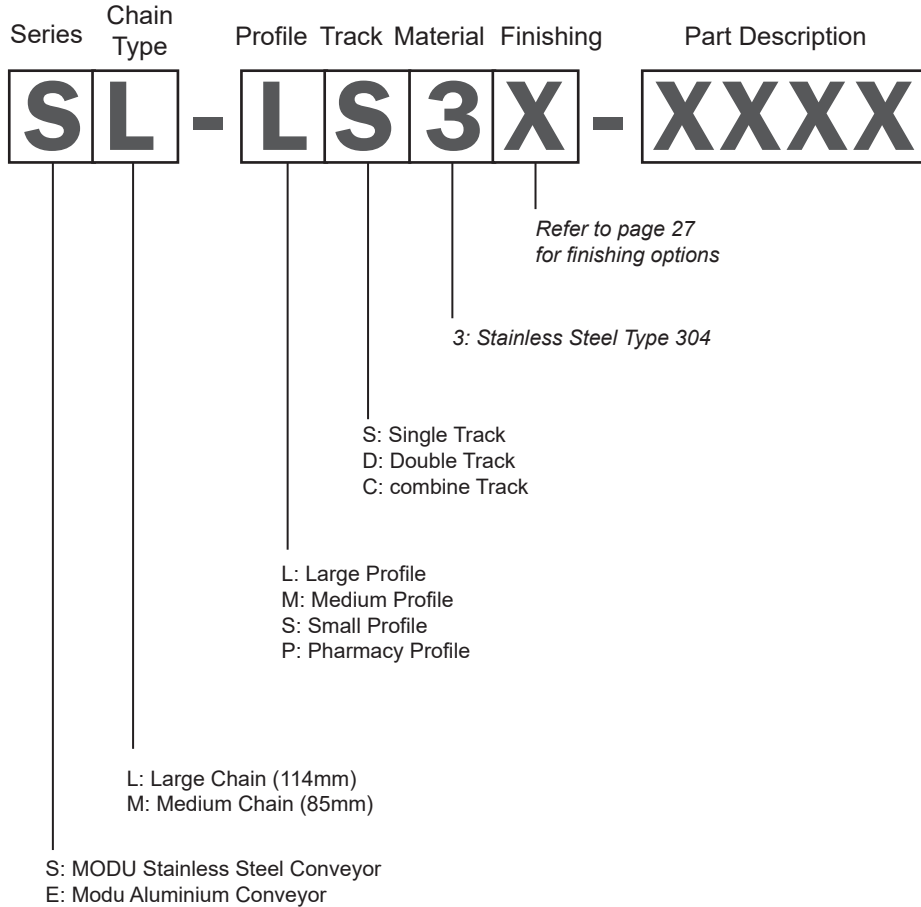
- Standard Installation

Our Partners



Part Number Guideline

1. Conveyor Frame



Sample

Part No.	Description
SL-LD3H-IE	Stainless Steel Conveyor, Large Chain, Large Profile, Double Track, Type 304, Stainless Steel Finishing, Idler Unit
EM-LCH-BRL	Aluminium Conveyor, Medium Chain, Large Profile, Combine Track, Stainless Steel Finishing, Left R Bend Type

2. Automated Delivery System



Refer to page 27
for finishing options

EDS: Express Delivery System
DDS: Direct Delivery System
BDS: Belt Delivery System
TDS: Trackless Delivery System
FDR: Food Delivery Robot

3. Accessories Guide

Profile	Abbreviation
SLL	LL
SLM	LM
SLS	LS
SML	ML
SMS	MS
EM	EM
EL	EL
MAG	MG
PHR	PH

Profile	Abbreviation
EDS	ED
DDS	DD
FDR	RD
BDS	BD
TDS	TD
Common Conveyor Parts	CP
Common Delivery System Parts	DP

Profile	Abbreviation
HWS	HW
Transfer Belt	TB
Rotary System	RT



Note: Refer to table above for
abbreviation guideline.

X: Accessories
C: Common

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Woodgrain Finish



WG01

Powder: DS 403
Film: 2601/01



WG02

Powder: DS 403
Film: 2601/05



WG03

Powder: DS 403
Film: 1802/02



WG04

Powder: DS 403
Film: 1807/01



WG05

Powder: DS 406
Film: 2505/01L



WG06

Powder: DS 403
Film: 1803/01

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RMS

SFS

DW

DWS

IM

MM



WG07

Powder: DS 403
Film: 2301/01



WG08

Powder: DS 403
Film: 1401/01



WG09

Powder: DS 0402S
Film: 1401/01



WG10

Powder: DS 403
Film: 2103/01



WG11

Powder: 9G-009-A005
Film: 2103/01



WG12

Powder: 8G-165-A005
Film: 2103/01



WG13

Powder: DS 704M
Film: 2117/10



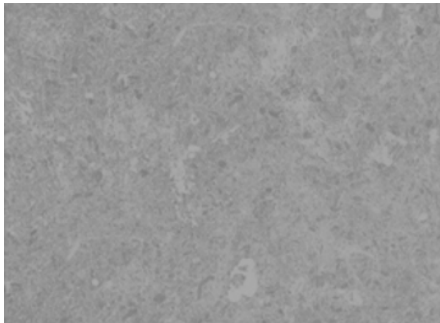
WG14

Powder: DS 704M
Film: 2505/10



WG15

Powder: DS 0745S
Film: 2601/06



WG16

Powder: 9c-016-A002
Film: 5026/04

AP

TR

FIN

SLL

SLM

SLS

SML

SMS

EMS

ELS

MAG

PHR

FDR

EDS

DDS

BDS

TDS

SR

HWS

DDC

RMS

SFS

DW

DWS

IM

MM

Stainless Steel Finish



H

Finishing: Hairline - 4B



M

Finishing: Bright Annealed (Reflective) - BA

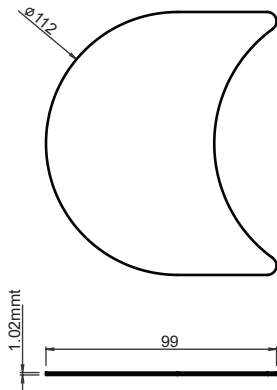
Sample Projects



Please consult MODU representative for further information and assistance.

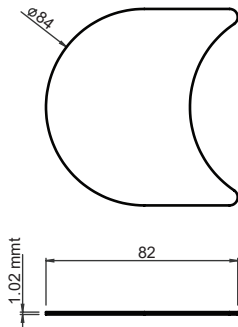
Units: Dimension (mm)

Chain Sticker



- Color Options:
- 1. Silver
- 2. Gold
- 3. White
-
- Other colors are also available with MOQ purchase.

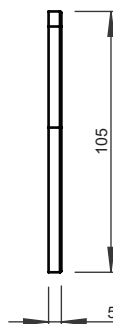
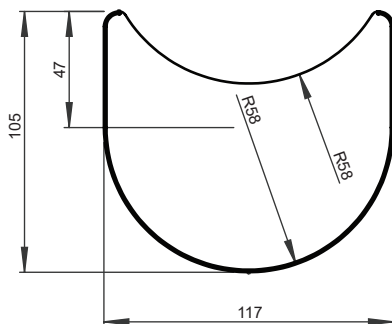
SL - Sticker



- Color Options:
- 1. Silver
- 2. Gold
- 3. White
- 4. Woodgrain
-
- Other colors are also available with MOQ purchase.

SM - Sticker

Chain Cover



- Color Options:
- 1. Silver
-
- Other colors are also available with MOQ purchase.

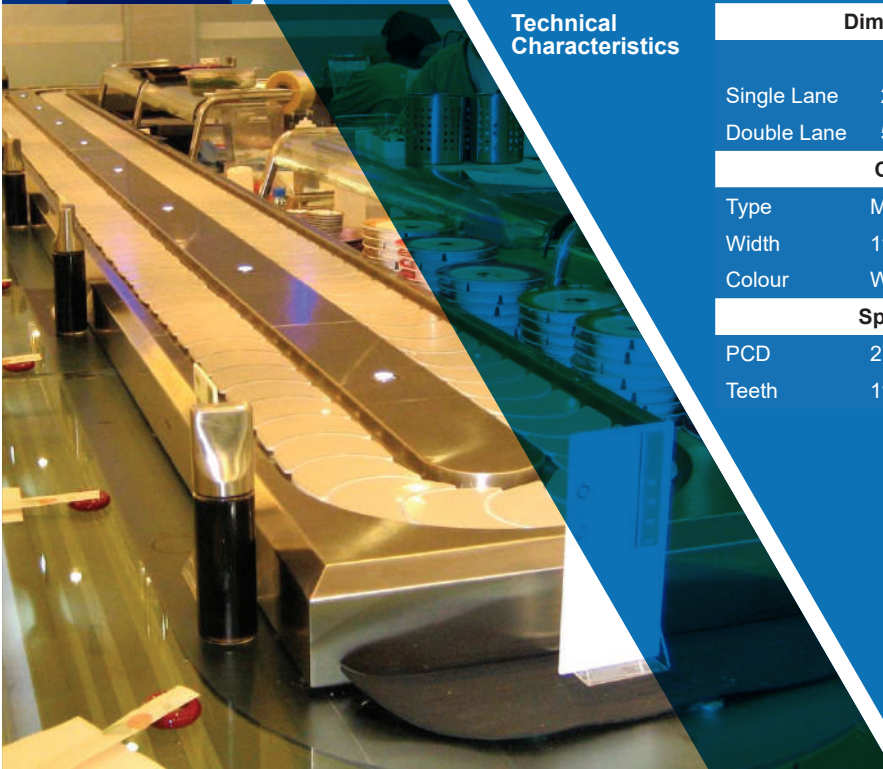
SL - Cover

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MODU SL LARGE CONVEYOR SERIES



Technical Characteristics

Dimensions

	Width	Height
Single Lane	230mm	100mm
Double Lane	500mm	100mm

Chain

Type	MODU SL Chain
Width	114mm
Colour	White

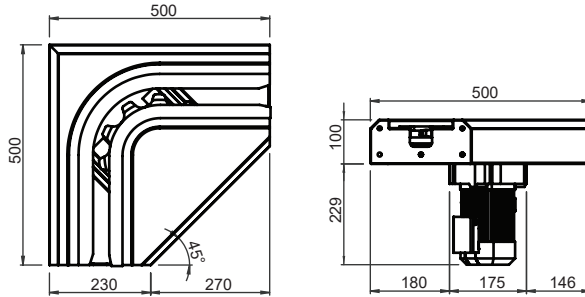
Sprocket

PCD	272mm
Teeth	11T

Contents

Drive Unit	34	Mounting Plate	43
Single Bend	35	Chain Guide.....	43
Double Bend.....	36	Drive Sprocket.....	43
Idler Unit	38	Sprocket Hub.....	44
Combine Bend	38	Slide Rail - Single	44
Straight Section	40	Slide Rail - Double.....	45
Transfer Belt Frame.....	41	Slide Rail - Roll.....	49
Transfer Belt Accessories	42		

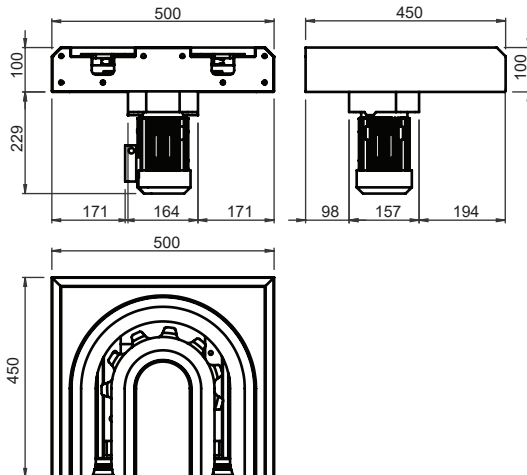
Drive Unit



90° Drive Unit

- Item supplied is assembled with sliderail

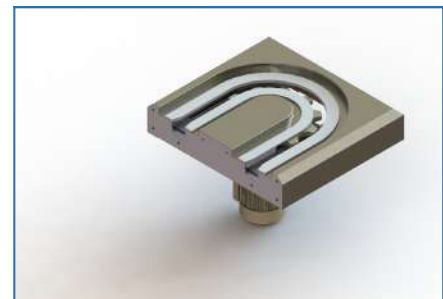
Item Code	Material	Supply	Weight
SL-LS3□-D	Stainless Steel 304	1 unit	20.2 kg



180° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-LD3□-D	Stainless Steel 304	1 unit	22.5 kg

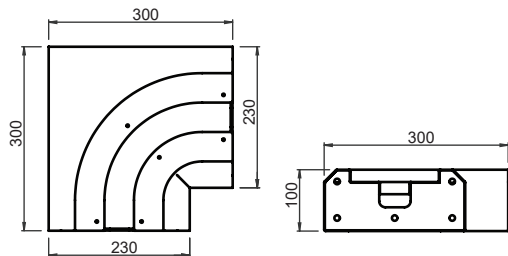


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

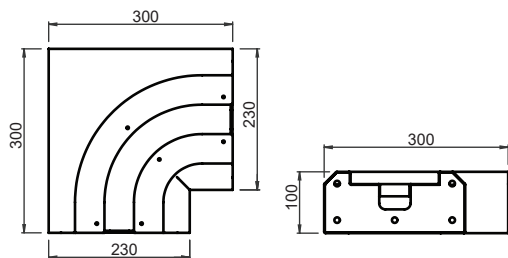
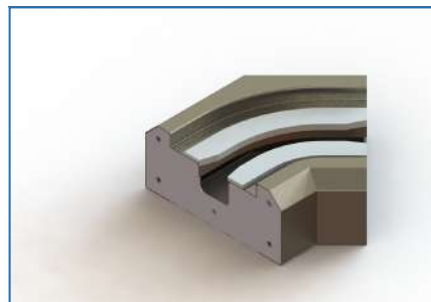
Single Bend



45° Bend

- Item supplied is assembled with sliderail

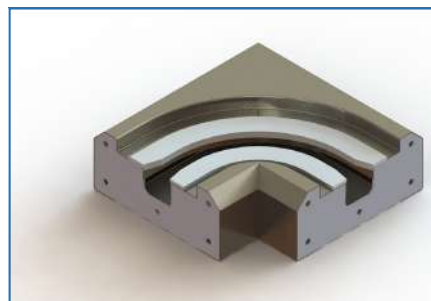
Item Code	Material	Supply	Weight
SL-LS3-B 45	Stainless Steel 304	1 unit	1.9 kg



90° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-LS3-B 90	Stainless Steel 304	1 unit	2.7 kg

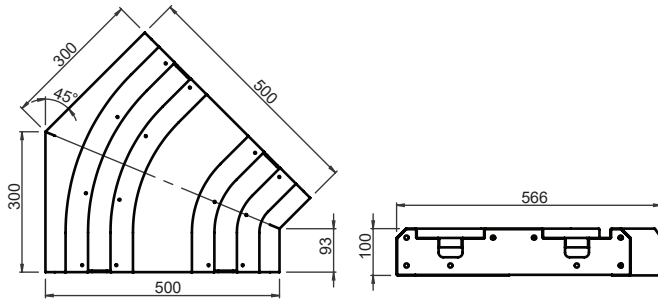


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

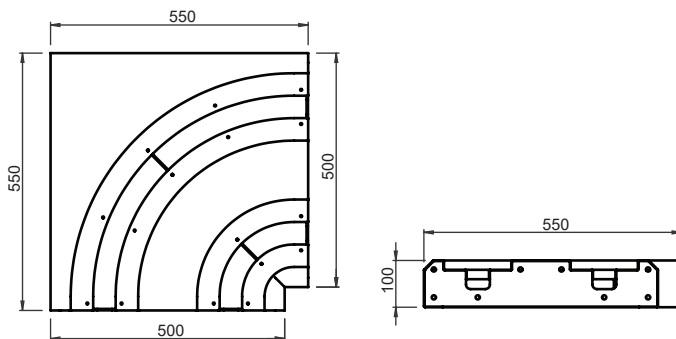
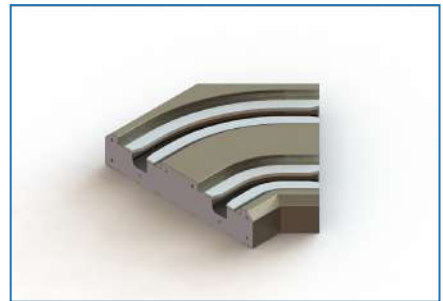
Double Bend



45° Bend

- Item supplied is assembled with sliderail

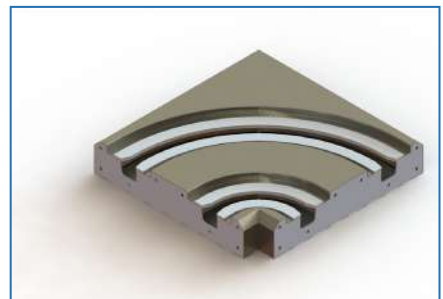
Item Code	Material	Supply	Weight
SL-LD3-B 45	Stainless Steel 304	1 unit	5.2 kg



90° Bend

- Item supplied is assembled with sliderail

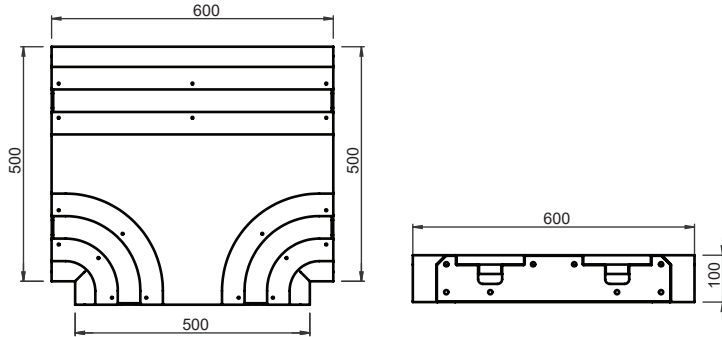
Item Code	Material	Supply	Weight
SL-LD3-B 90	Stainless Steel 304	1 unit	7.8 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

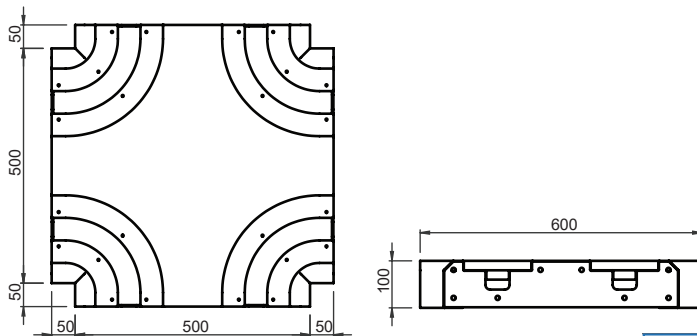
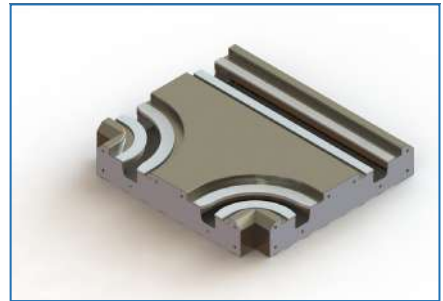
Units: Dimension (mm)



T Bend

- Item supplied is assembled with sliderail

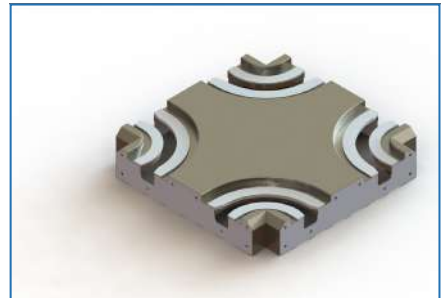
Item Code	Material	Supply	Weight
SL-LD3□-BT	Stainless Steel 304	1 unit	7.5 kg



X Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-LD3□-BX	Stainless Steel 304	1 unit	8.3 kg

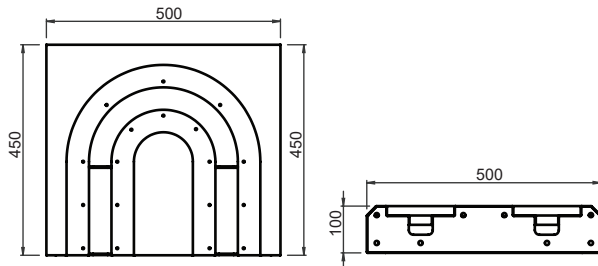


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

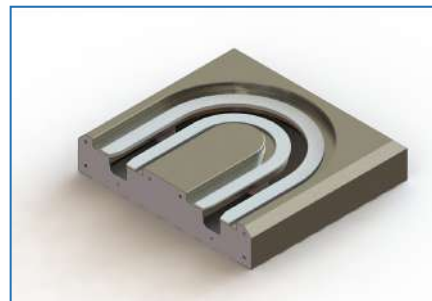
Idler Unit



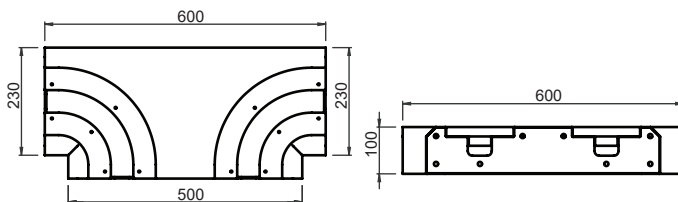
180° Idler Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-LD3□-IE	Stainless Steel 304	1 unit	6.2 kg



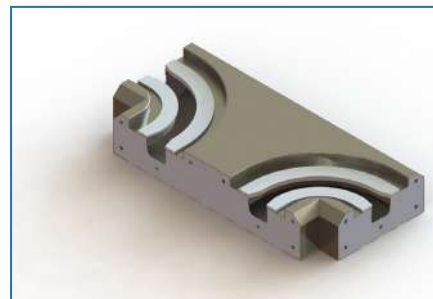
Combine Bend



T Bend

- Item supplied is assembled with sliderail

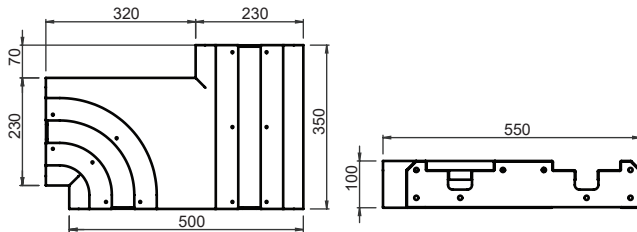
Item Code	Material	Supply	Weight
SL-LC3□-BT	Stainless Steel 304	1 unit	4.6 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

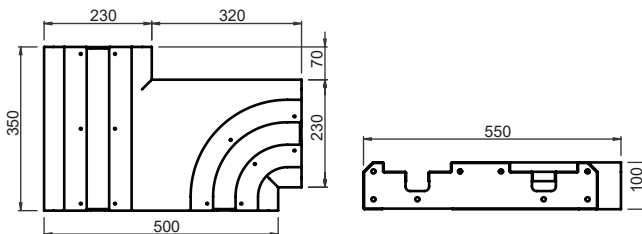
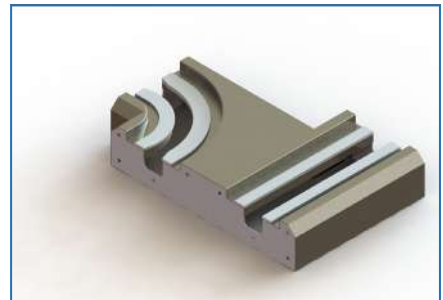
Units: Dimension (mm)



R Bend - Left

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-LC3□-BRL	Stainless Steel 304	1 unit	4.7 kg



R Bend - Right

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-LC3□-BRR	Stainless Steel 304	1 unit	4.7 kg

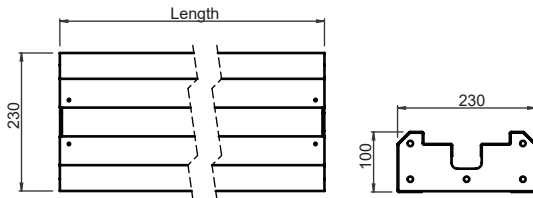


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section



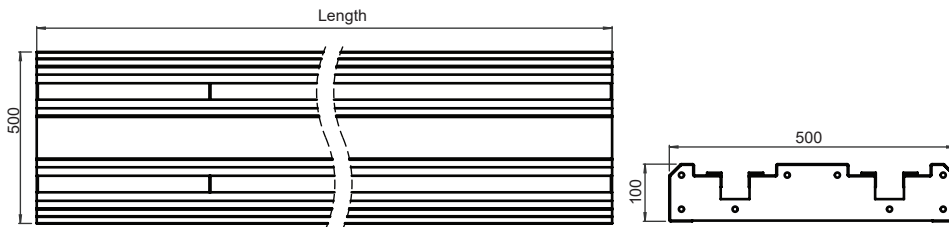
Straight Section - Single

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SL-LS3□-C 2.4	Stainless Steel 304	1 unit	13 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SL-LS3□-C ◇	Stainless Steel 304	1 unit	-



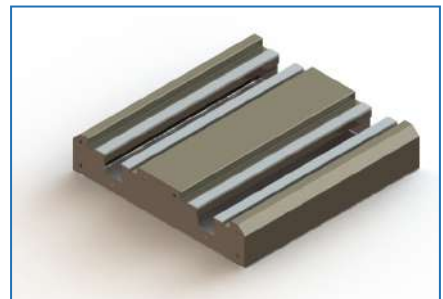
Straight Section - Double

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SL-LD3□-C 2.4	Stainless Steel 304	1 unit	26.5 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SL-LD3□-C ◇	Stainless Steel 304	1 unit	-

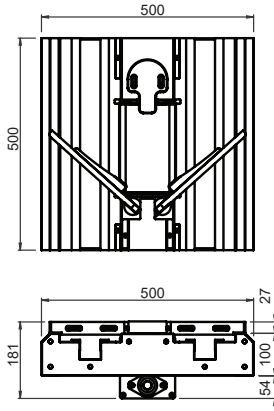


□ Indicates available finishing options, Kindly refer to page 27.

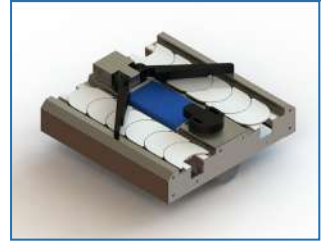
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

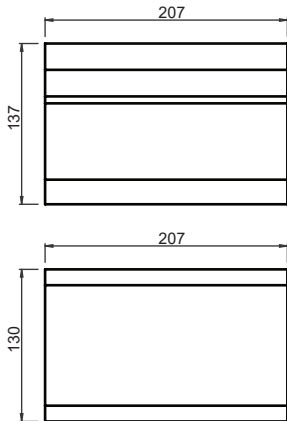
Transfer Belt Frame



Transfer Belt Frame Assembly



Item Code	Material	Supply	Weight
SL-LD3□-RT	Mild Steel	1 pc	12.7 kg

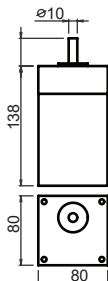


SL Belt

- PU Belt 207(W) x 450(L),
- Blue Colour, Endless



Item Code	Material	Supply	Weight
CTB-PUB-450	Polyurethane	1 pc	0.1 kg



SPG 25W Induction Motor with Speed Controller

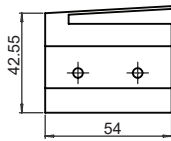


Item Code	Material	Supply	Weight
SPG-S8KA20B1	-	1 pc	2.3 kg

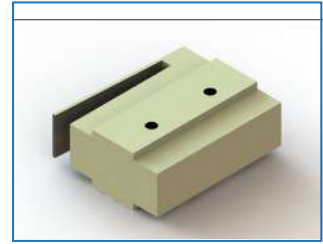
□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

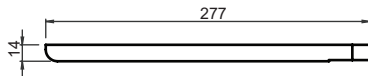
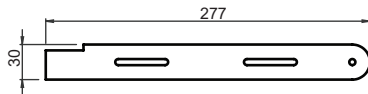
Transfer Belt Accessories



Limit Switch



Item Code	Material	Supply	Weight
XLL-LMTB-001	-	1 pc	0.1 kg

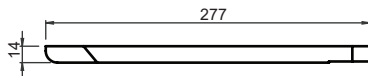
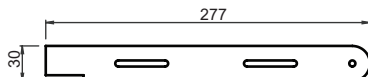


Arm Rotary - Left

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLL-ARM-L	Polyethylene (PE) 500	1 pc	0.1 kg



Arm Rotary - Right

- Included in assembly of bend section.



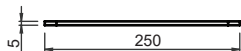
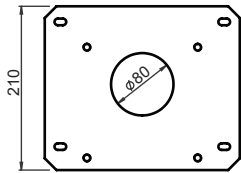
Item Code	Material	Supply	Weight
XLL-ARM-R	Polyethylene (PE) 500	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

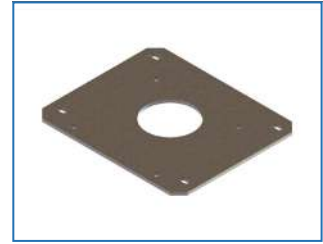
Units: Dimension (mm)

Mounting Plate



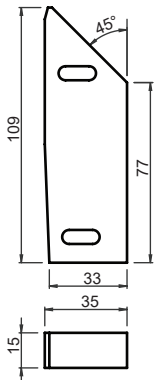
Motor Mounting Plate

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc

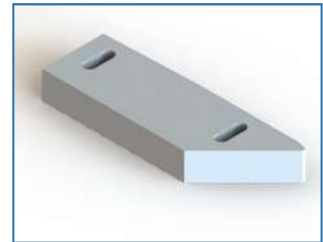


Item Code	Material	Supply	Weight
CCP-MMP-001	Mild Steel	1 pc	1.8 kg

Chain Guide

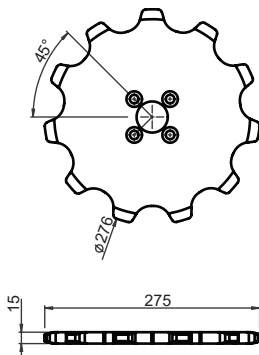


Drive Unit Bottom Chain Guide



Item Code	Material	Supply	Weight
SL-CG	Polyethylene 500	1 pc	0.1 kg

Drive Sprocket



Sprocket PCD 276

- PCD: 276mm
- Teeth: 11



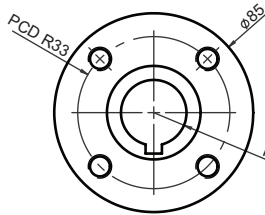
Item Code	Material	Supply	Weight
XLL-SPRKT-276	Nylon	1 pc	0.8 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

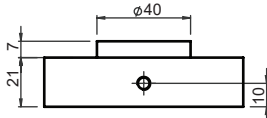
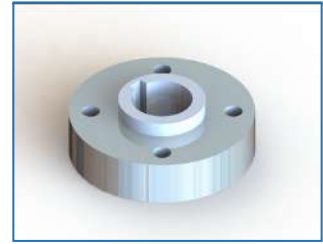
Units: Dimension (mm)

Sprocket Hub



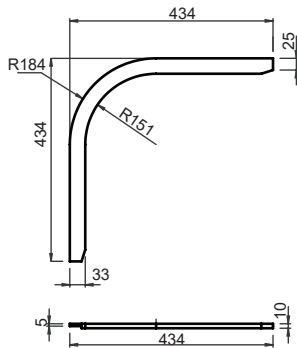
Sprocket Hub

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
CCP-SB-D28	Mild Steel	1 pc	0.8 kg

Slide Rail - Single

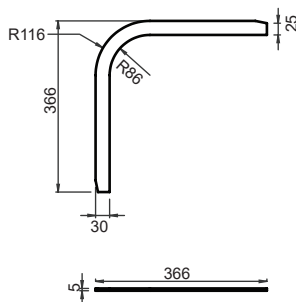


90° Bend , Outer Slide Rail Type-1

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLL-SSR90-001	Polyethylene (PE) 1000	1 pc	0.1 kg



90° Bend , Inner Slide Rail Type-1

- Included in assembly of bend section.

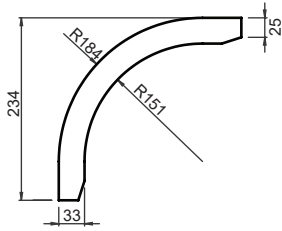


Item Code	Material	Supply	Weight
XLL-SSR90-002	Polyethylene (PE) 1000	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

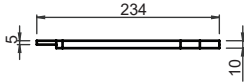
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

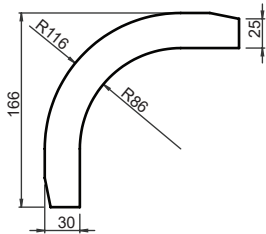


90° Bend , Outer Slide Rail Type-2

- Included in assembly of bend section.

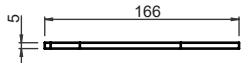


Item Code	Material	Supply	Weight
XLL-SSR90-003	Polyethylene (PE) 1000	1 pc	0.1 kg



90° Bend , Inner Slide Rail Type-2

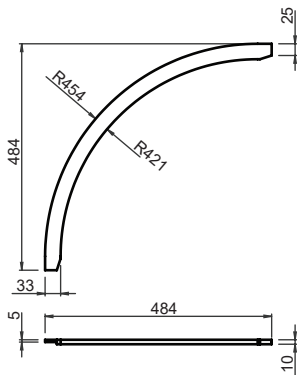
- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLL-SSR90-004	Polyethylene (PE) 1000	1 pc	0.04 kg

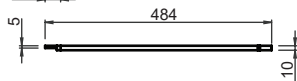


Slide Rail - Double



90° Bend , Outer Slide Rail Type-1

- Included in assembly of bend section.



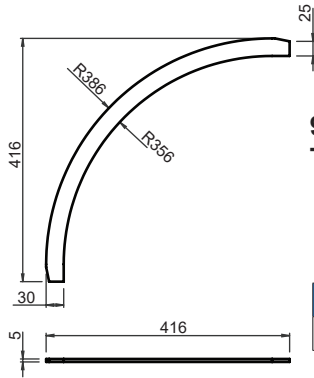
Item Code	Material	Supply	Weight
XLL-DSR90-001	Polyethylene (PE) 1000	1 pc	0.1 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

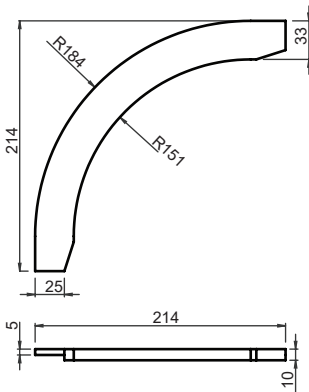


**90° Bend , Inner Slide Rail
Type-1**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLL-DSR90-002	Polyethylene (PE) 1000	1 pc	0.1 kg

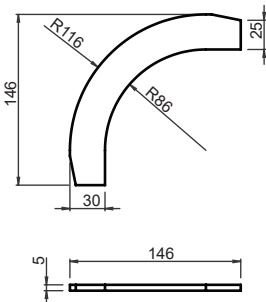


**90° Bend , Outer Slide Rail
Type-2**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLL-DSR90-003	Polyethylene (PE) 1000	1 pc	0.1 kg



**90° Bend , Inner Slide Rail
Type-2**

- Included in assembly of bend section.

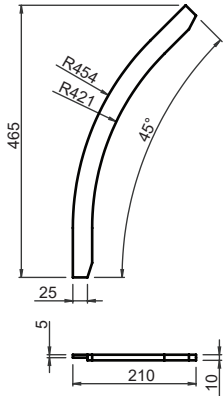


Item Code	Material	Supply	Weight
XLL-DSR90-004	Polyethylene (PE) 1000	1 pc	0.03 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

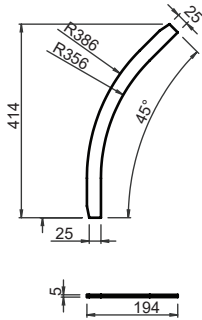


45° Bend , Outer Slide Rail Type-1

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLL-DSR45-001	Polyethylene (PE) 1000	1 pc	0.1 kg

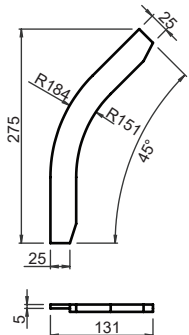


45° Bend , Inner Slide Rail Type-1

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLL-DSR45-002	Polyethylene (PE) 1000	1 pc	0.1 kg



45° Bend , Outer Slide Rail Type-2

- Included in assembly of bend section.

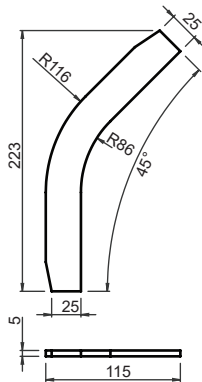


Item Code	Material	Supply	Weight
XLL-DSR45-003	Polyethylene (PE) 1000	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

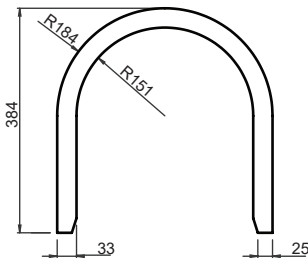


45° Bend , Inner Slide Rail Type-2

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLL-DSR45-004	Polyethylene (PE) 1000	1 pc	0.03 kg

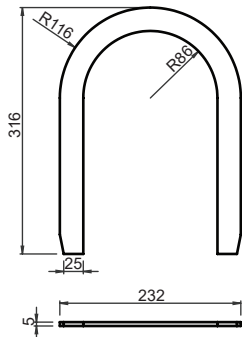


180° Bend , Outer Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLL-DSRIE-001	Polyethylene (PE) 1000	1 pc	0.2 kg



180° Bend , Inner Slide Rail

- Included in assembly of bend section.



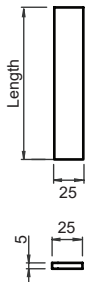
Item Code	Material	Supply	Weight
XLL-DSRIE-002	Polyethylene (PE) 1000	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Slide Rail - Roll



Slide Rail
- Included in assembly of straight section.

Item Code	Material	Supply	Weight
SL - SR25	Polyethylene (PE) 500	25m/roll	2.8 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

- AP
- TR
- FIN
- SLL**
- SLM
- SLS
- SML
- SMS
- EMS
- ELS
- MAG
- PHR
- FDR
- EDS
- DDS
- BDS
- TDS
- SR
- HWS
- DDC
- RMS
- SFS
- DW
- DWS
- IM
- MM

[illegible]

MODU SL MEDIUM CONVEYOR SERIES



Technical Characteristics

Dimensions

	Width	Height
Single Lane	173mm	74mm
Double Lane	420mm	74mm

Chain

Type	MODU SL Chain
Width	114mm
Colour	White

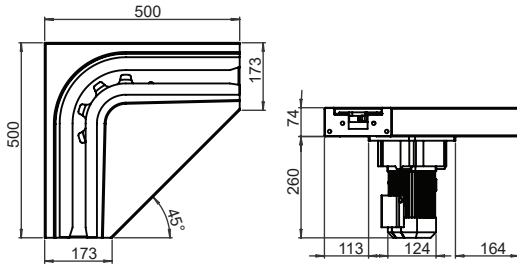
Sprocket

PCD	246mm
Teeth	10T

Contents

Drive Unit	52	Mounting Plate	60
Single Bend	53	Chain Guide.....	60
Double Bend.....	53	Drive Sprocket.....	60
Idler Unit	55	Sprocket Hub.....	61
Combine Bend	55	Slide Rail - Single	61
Straight Section	57	Slide Rail - Double.....	62
Transfer Belt Frame.....	58	Slide Rail - Roll.....	65
Transfer Belt Accessories	59		

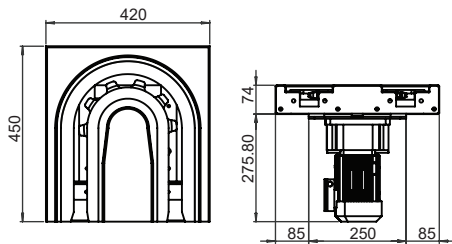
Drive Unit



90° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-MS3□-D	Stainless Steel 304	1 unit	15.7 kg



180° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-MD3□-D	Stainless Steel 304	1 unit	23.2 kg

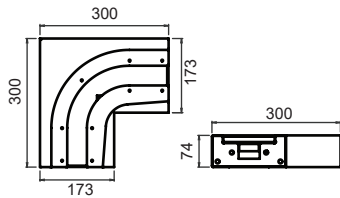


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

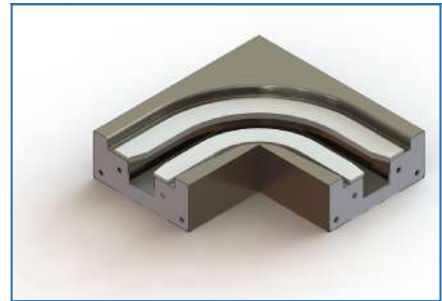
Single Bend



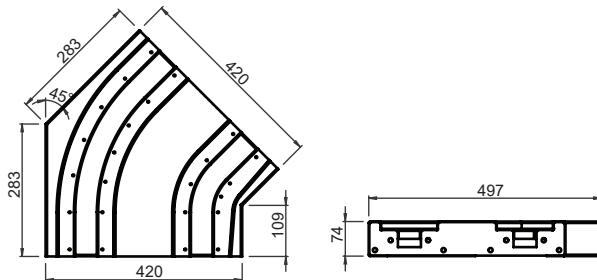
90° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-MS3-B90	Stainless Steel 304	1 unit	2.2 kg



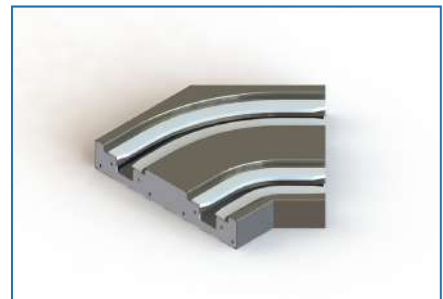
Double Bend



45° Bend

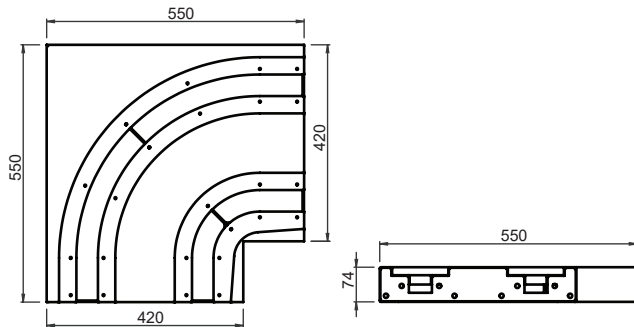
- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-MD3-B45	Stainless Steel 304	1 unit	3.9 kg



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

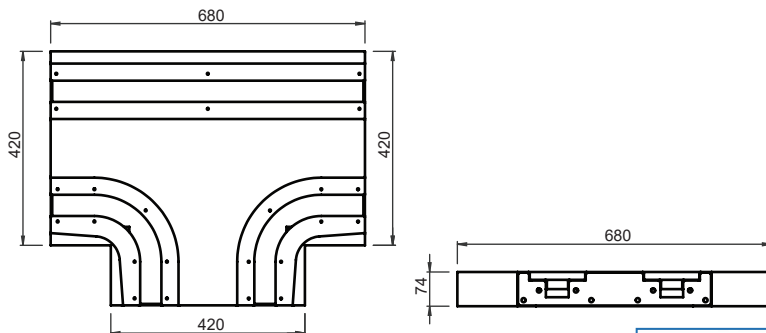
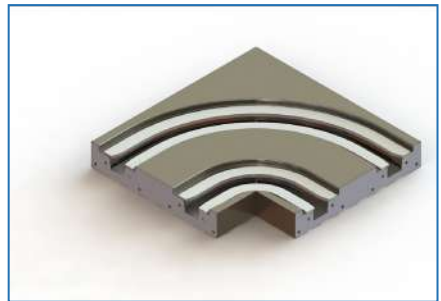
Units: Dimension (mm)



90° Bend

- Item supplied is assembled with sliderail

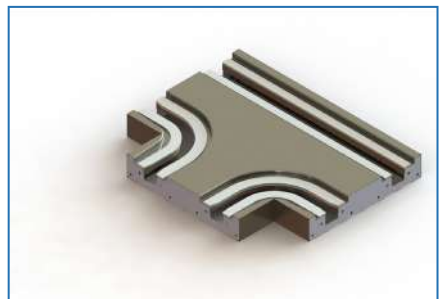
Item Code	Material	Supply	Weight
SL-MD3□-B90	Stainless Steel 304	1 unit	6.7 kg



T° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-MD3□-BT	Stainless Steel 304	1 unit	6.9 kg

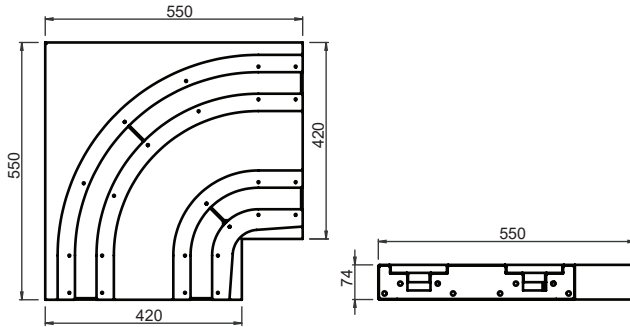


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

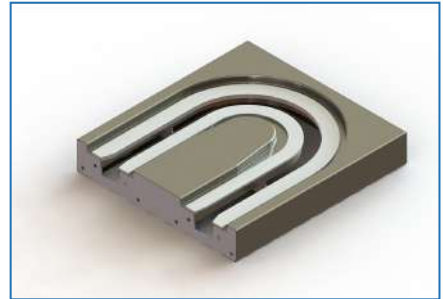
Idler Unit



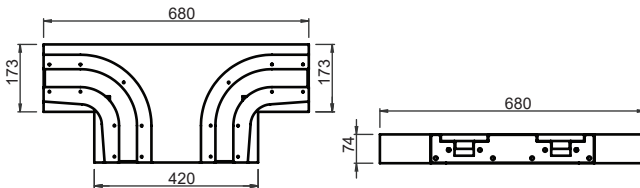
180° Idler Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-MD3□-IE	Stainless Steel 304	1 unit	4.8 kg



Combine Bend



T Bend

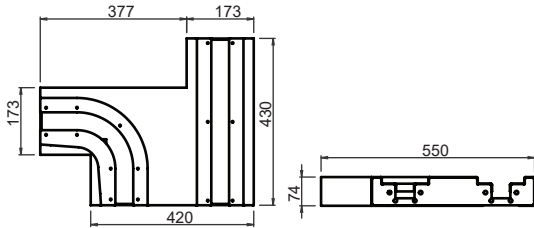
- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-MC3□-BT	Stainless Steel 304	1 unit	4.4 kg



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

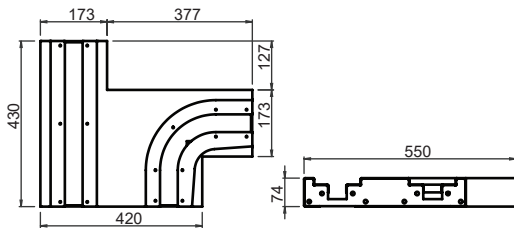
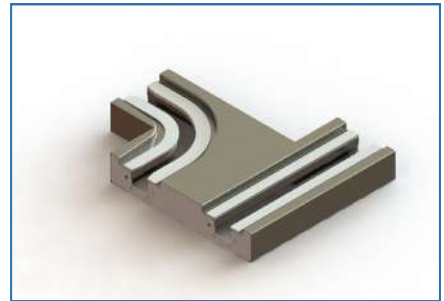
Units: Dimension (mm)



R Bend - Left

- Item supplied is assembled with sliderail

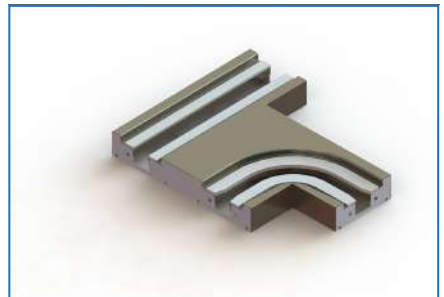
Item Code	Material	Supply	Weight
SL-MC3□-BRL	Stainless Steel 304	1 unit	4.3 kg



R Bend - Right

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-MC3□-BRR	Stainless Steel 304	1 unit	4.3 kg

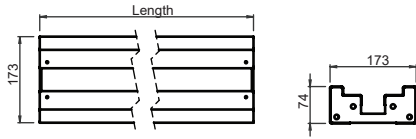


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section



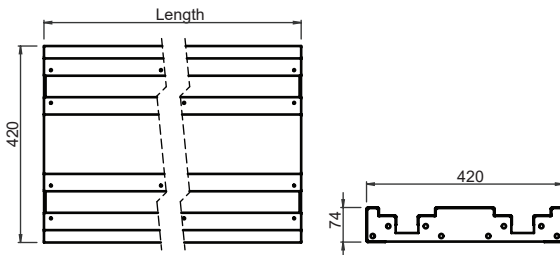
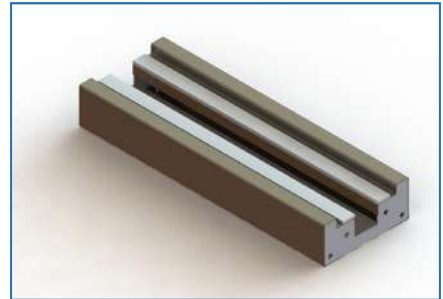
Straight Section - Single

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SL-MS3□-C 2.4	Stainless Steel 304	1 unit	10.4 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SL-MS3□-C ◇	Stainless Steel 304	1 unit	-



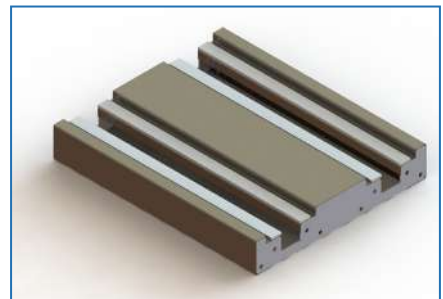
Straight Section - Double

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SL-MD3□-C 2.4	Stainless Steel 304	1 unit	17.8 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SL-MD3□-C ◇	Stainless Steel 304	1 unit	-

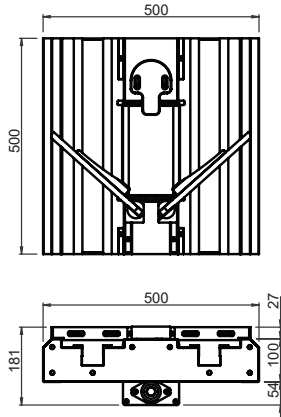


□ Indicates available finishing options, Kindly refer to page 27.

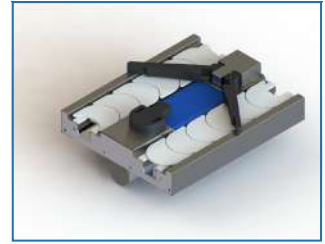
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

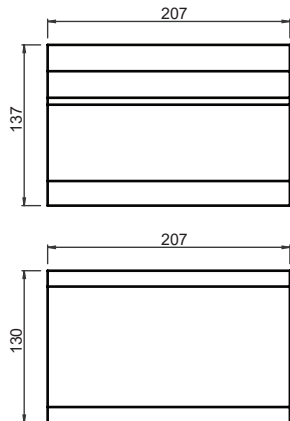
Transfer Belt Frame



Transfer Belt Frame Assembly



Item Code	Material	Supply	Weight
SL-MD3□-RT	Mild Steel	1 pc	12.6 kg

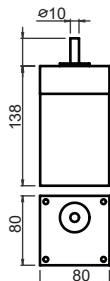


SL Belt

- PU Belt 207(W) x 450(L),
- Blue Colour, Endless



Item Code	Material	Supply	Weight
CTB-PUB-450	Polyurethane	1 pc	0.1 kg



SPG 25W Induction Motor with Speed Controller



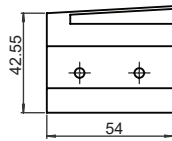
Item Code	Material	Supply	Weight
SPG-S8KA20B1	-	1 pc	2.3 kg

□ Indicates available finishing options, Kindly refer to page 27.

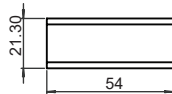
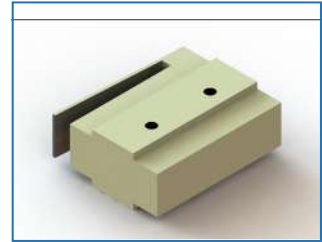
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

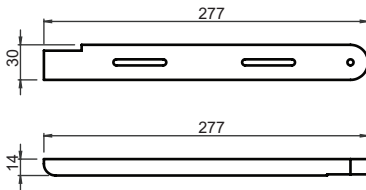
Transfer Belt Accessories



Limit Switch



Item Code	Material	Supply	Weight
XLM-LMTB-001	-	1 pc	0.1 kg

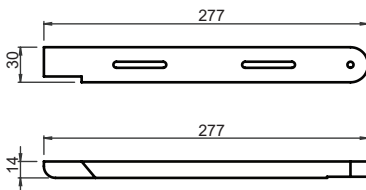


Arm Rotary - Left

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-ARM-L	Polyethylene (PE) 500	1 pc	0.1 kg



Arm Rotary - Right

- Included in assembly of bend section.



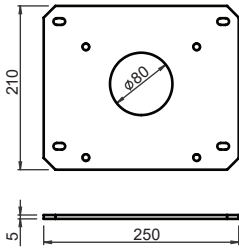
Item Code	Material	Supply	Weight
XLM-ARM-R	Polyethylene (PE) 500	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

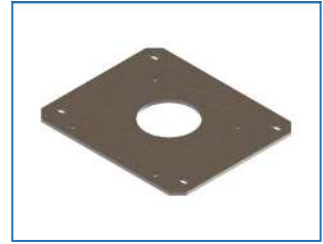
Units: Dimension (mm)

Mounting Plate



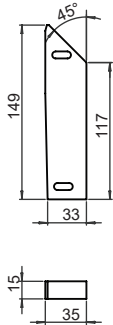
Motor Mounting Plate

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
CCP-MMP-001	Mild Steel	1 pc	1.8 kg

Chain Guide

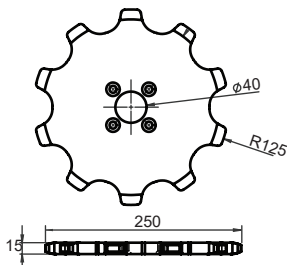


Drive Unit Bottom Chain Guide



Item Code	Material	Supply	Weight
SL-CG	Polyethylene 500	1 pc	0.1 kg

Drive Sprocket



Sprocket PCD 246

- PCD: 246mm
- Teeth: 10



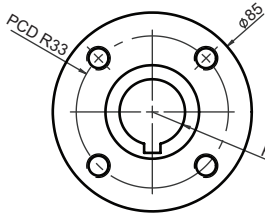
Item Code	Material	Supply	Weight
XLL-SPRKT-246	Nylon	1 pc	0.6 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

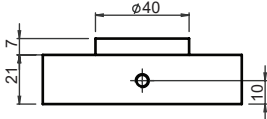
Units: Dimension (mm)

Sprocket Hub



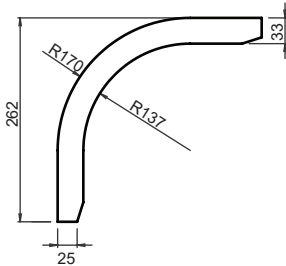
Sprocket Hub

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



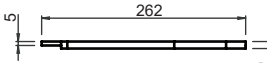
Item Code	Material	Supply	Weight
CCP-SB-D28	Mild Steel	1 pc	0.8 kg

Slide Rail - Single

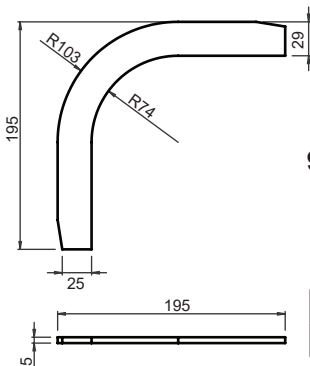


90° Bend , Outer Slide Rail

- Included in assembly of bend section.

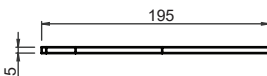


Item Code	Material	Supply	Weight
XLM-SSR90-001	Polyethylene (PE) 1000	1 pc	0.2 kg



90° Bend , Inner Slide Rail

- Included in assembly of bend section.



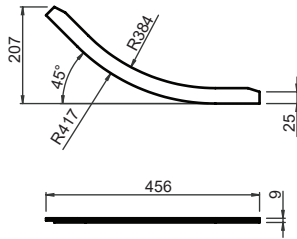
Item Code	Material	Supply	Weight
XLM-SSR90-002	Polyethylene (PE) 1000	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Slide Rail - Double

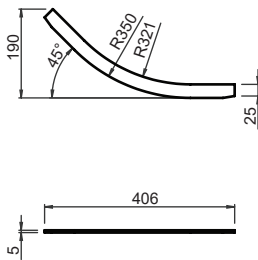


**45° Bend , Outer Slide Rail
Type-1**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-DSR45-001	Polyethylene (PE) 1000	1 pc	0.09 kg

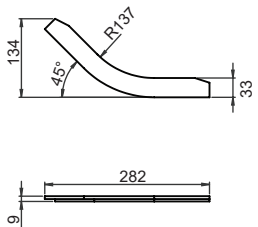


**45° Bend , Inner Slide Rail
Type-1**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-DSR45-002	Polyethylene (PE) 1000	1 pc	0.06 kg



**45° Bend , Outer Slide Rail
Type-2**

- Included in assembly of bend section.

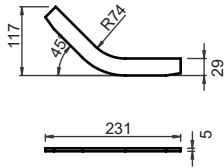


Item Code	Material	Supply	Weight
XLM-DSR45-003	Polyethylene (PE) 1000	1 pc	0.06 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

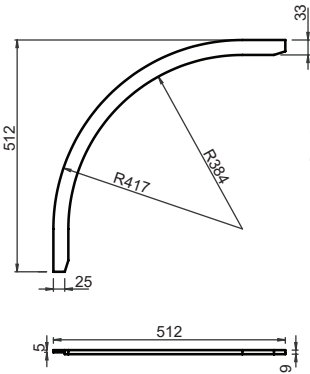


**45° Bend , Inner Slide Rail
Type-2**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-DSR45-004	Polyethylene (PE) 1000	1 pc	0.04 kg

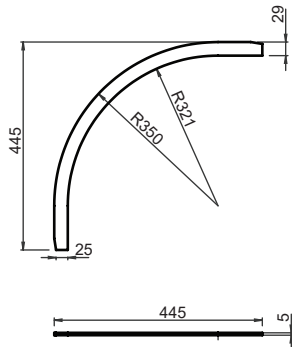


**90° Bend , Outer Slide Rail
Type-1**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-DSR90-001	Polyethylene (PE) 1000	1 pc	0.2 kg



**90° Bend , Inner Slide Rail
Type-1**

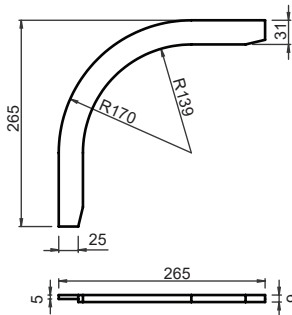
- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-DSR90-001	Polyethylene (PE) 1000	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

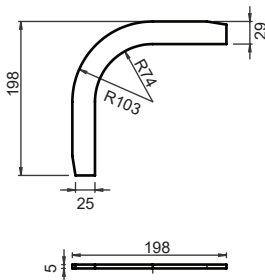


**90° Bend , Outer Slide Rail
Type-2**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-DSR90-003	Polyethylene (PE) 1000	1 pc	0.07 kg

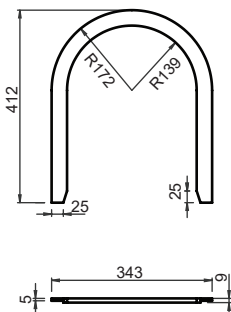


**90° Bend , Inner Slide Rail
Type-2**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-DSR90-004	Polyethylene (PE) 1000	1 pc	0.04 kg



180° Bend , Outer Slide Rail

- Included in assembly of bend section.

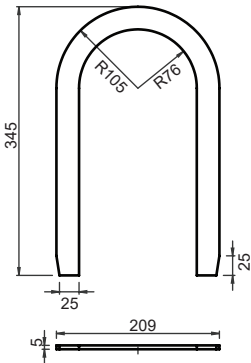


Item Code	Material	Supply	Weight
XLM-DSRD-001	Polyethylene (PE) 1000	1 pc	0.2 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

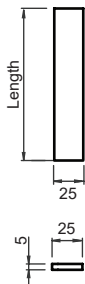


180° Bend , Inner Slide Rail
- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-DSRD-002	Polyethylene (PE) 1000	1 pc	0.1 kg

Slide Rail - Roll



Slide Rail
- Included in assembly of straight section.



Item Code	Material	Supply	Weight
SL - SR25	Polyethylene (PE) 1000	25m/roll	2.8 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

[illegible]

MODU SL SLIM CONVEYOR SERIES



Technical Characteristics

Dimensions

	Width	Height
Single Lane	130mm	74mm
Double Lane	377mm	74mm

Chain

Type	MODU SL Chain
Width	114mm
Colour	White

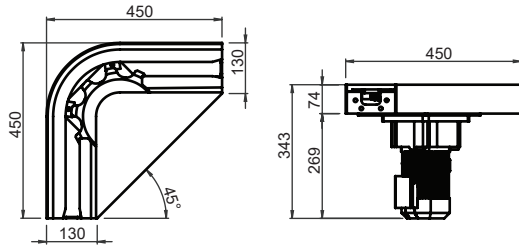
Sprocket

PCD	246mm
Teeth	10T

Contents

Drive Unit	68	Mounting Plate	75
Single Bend	69	Chain Guide.....	75
Double Bend.....	69	Drive Sprocket.....	75
Idler Unit	70	Sprocket Hub.....	76
Combine Bend	71	Slide Rail - Double.....	76
Straight Section	72	Slide Rail - Roll	79
Transfer Belt Frame.....	73		
Transfer Belt Accessories	74		

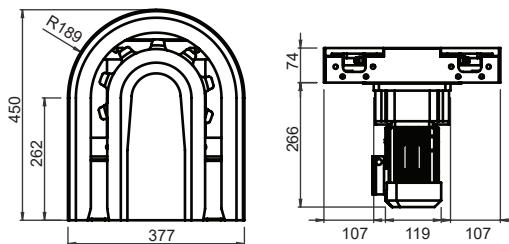
Drive Unit



90° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-SS3□-D	Stainless Steel 304	1 unit	17.8 kg



180° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-SD3□-D	Stainless Steel 304	1 unit	19.8 kg

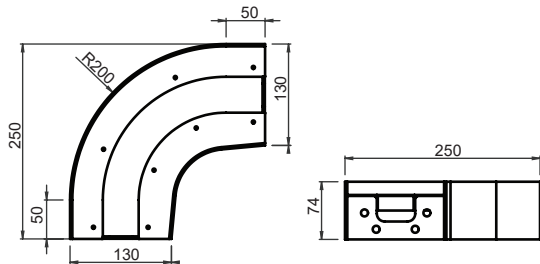


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

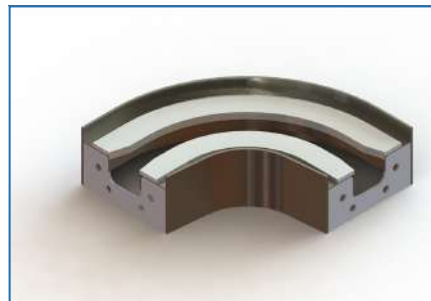
Single Bend



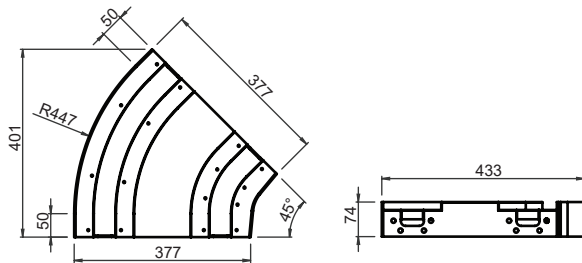
90° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-SS3-B 90	Stainless Steel 304	1 unit	1.8 kg



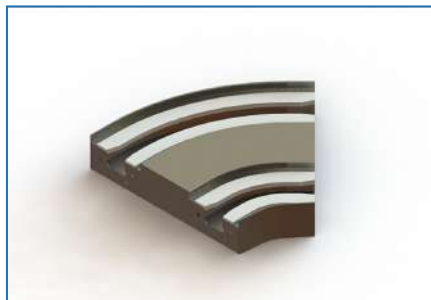
Double Bend



45° Bend

- Item supplied is assembled with sliderail

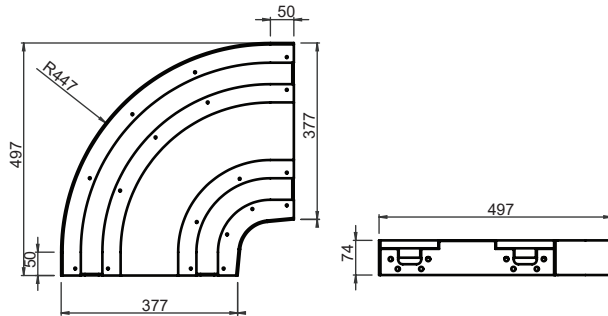
Item Code	Material	Supply	Weight
SL-SD3-B 45	Stainless Steel 304	1 unit	3.4 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

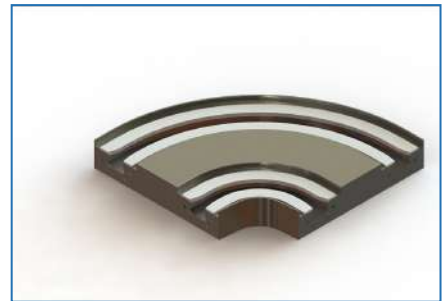
Units: Dimension (mm)



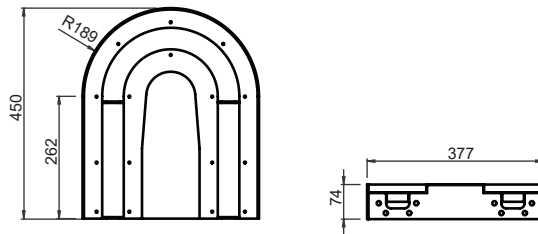
90° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-SD3□-B 90	Stainless Steel 304	1 unit	5 kg



Idler Unit



180° Idler Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-SD3□-IE	Stainless Steel 304	1 unit	4.8 kg

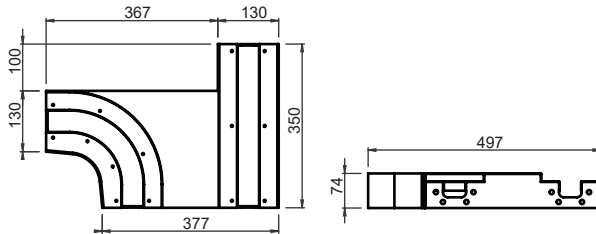


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

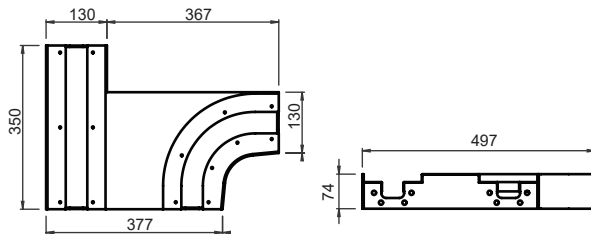
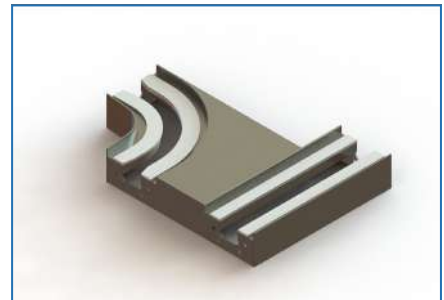
Combine Bend



R Bend - Left

- Item supplied is assembled with sliderail

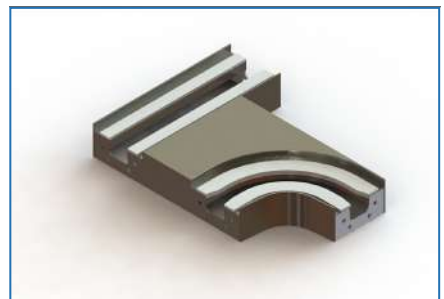
Item Code	Material	Supply	Weight
SL-SC3□-BRL	Stainless Steel 304	1 unit	3.9 kg



R Bend - Right

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-SC3□-BRR	Stainless Steel 304	1 unit	3.9 kg

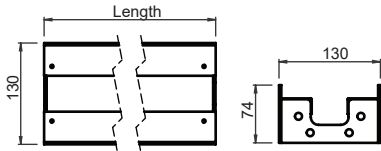


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section



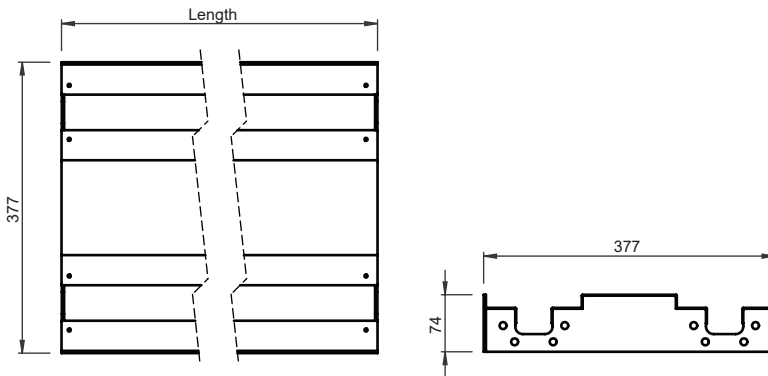
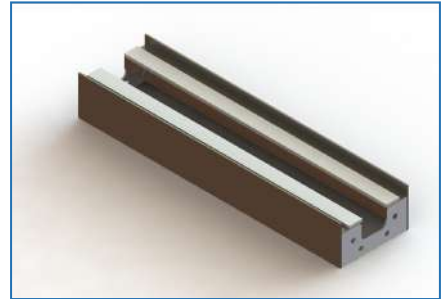
Straight Section - Single

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SL-SS3□-C 2.4	Stainless Steel 304	1 unit	12 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SL-SS3□-C ◇	Stainless Steel 304	1 unit	-



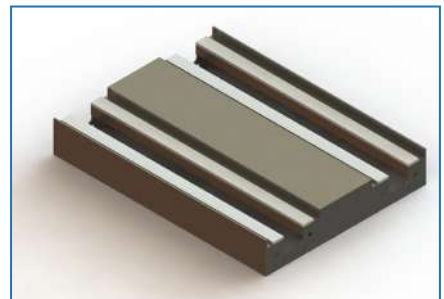
Straight Section - Double

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SL-SD3□-C 2.4	Stainless Steel 304	1 unit	19.5 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SL-SD3□-C ◇	Stainless Steel 304	1 unit	-

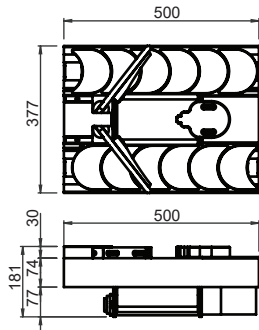


□ Indicates available finishing options, Kindly refer to page 27.

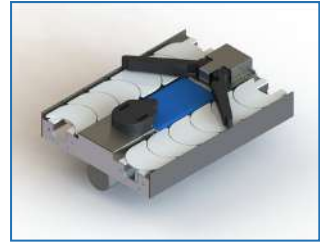
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

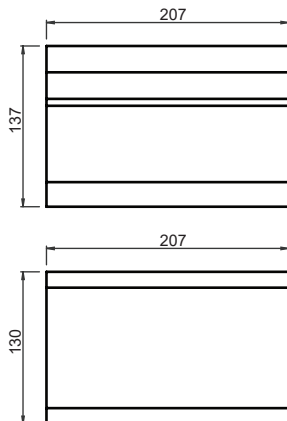
Transfer Belt Frame



Transfer Belt Frame Assembly



Item Code	Material	Supply	Weight
SL-SD3□-RT	Mild Steel	1 pc	12.5 kg

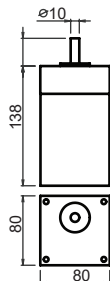


SL Belt

- PU Belt 207(W) x 450(L),
- Blue Colour, Endless



Item Code	Material	Supply	Weight
CTB-PUB-450	Polyurethane	1 pc	0.1 kg



SPG 25W Induction Motor with Speed Controller

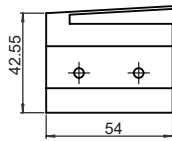


Item Code	Material	Supply	Weight
SPG-S8KA20B1	-	1 pc	2.3 kg

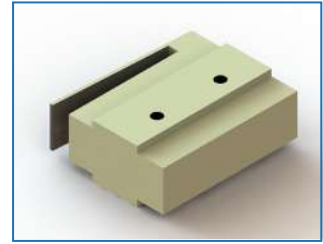
□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

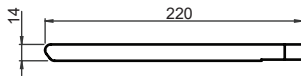
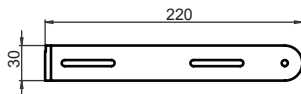
Transfer Belt Accessories



Limit Switch



Item Code	Material	Supply	Weight
KTB-LMTB-001	-	1 pc	0.1 kg

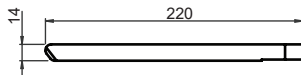
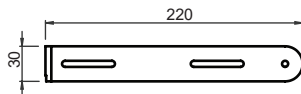


Arm Rotary - Left

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLS-ARM-L	Polyethylene (PE) 500	1 pc	0.1 kg



Arm Rotary - Right

- Included in assembly of bend section.



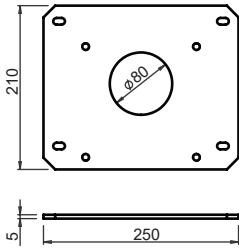
Item Code	Material	Supply	Weight
XLS-ARM-R	Polyethylene (PE) 500	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Mounting Plate



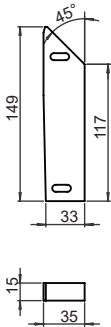
Motor Mounting Plate

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc

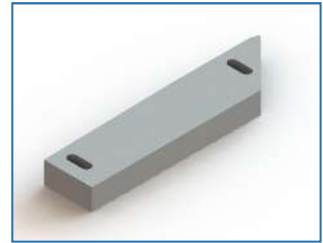


Item Code	Material	Supply	Weight
XLS-DMMP--001	Mild Steel	1 pc	1.8 kg

Chain Guide

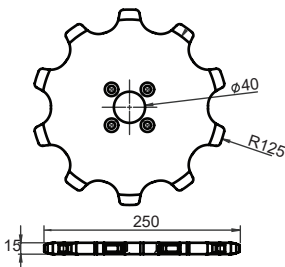


Drive Unit Bottom Chain Guide



Item Code	Material	Supply	Weight
SL-CG	Polyethylene 500	1 pc	0.1 kg

Drive Sprocket



Sprocket PCD 246

- PCD: 246mm
- Teeth: 10



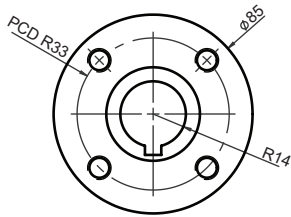
Item Code	Material	Supply	Weight
CCP-SPRKT-246	Nylon	1 pc	0.6 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

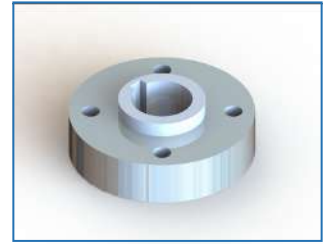
Units: Dimension (mm)

Sprocket Hub



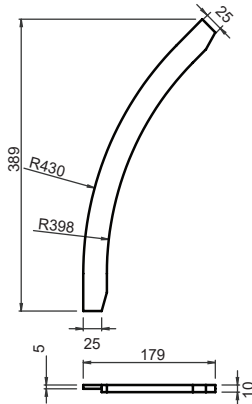
Sprocket Hub

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
CCP-SB-D28	Mild Steel	1 pc	0.8 kg

Slide Rail - Double

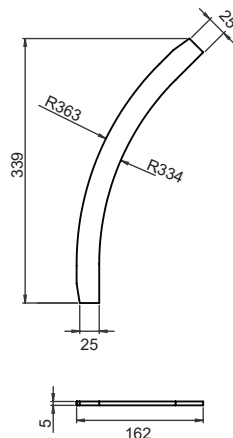


45° Bend , Outer Slide Rail Type-1

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLS-SRD45-001	Polyethylene (PE) 1000	1 pc	0.1 kg



45° Bend , Inner Slide Rail Type-1

- Included in assembly of bend section.

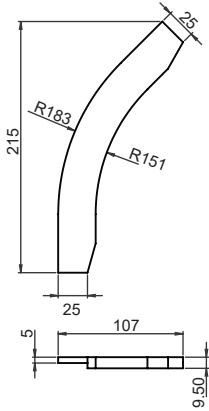


Item Code	Material	Supply	Weight
XLS-SRD45-002	Polyethylene (PE) 1000	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

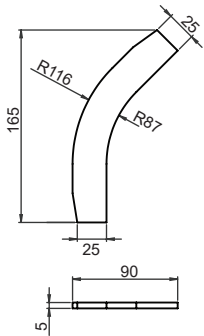


**45° Bend , Outer Slide Rail
Type-2**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLS-SRD45-003	Polyethylene (PE) 1000	1 pc	0.04 kg

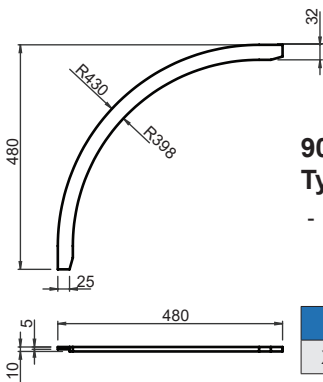


**45° Bend , Inner Slide Rail
Type-2**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLS-SRD45-004	Polyethylene (PE) 1000	1 pc	0.03 kg



**90° Bend , Outer Slide Rail
Type-1**

- Included in assembly of bend section.

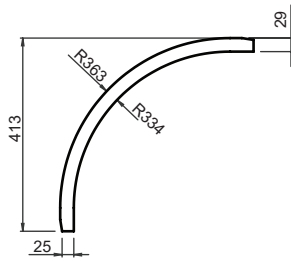


Item Code	Material	Supply	Weight
XLS-SRD90-001	Polyethylene (PE) 1000	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

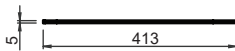
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

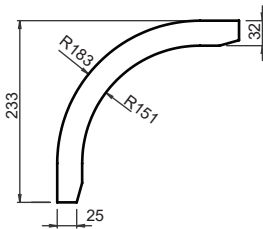


90° Bend , Inner Slide Rail Type-1

- Included in assembly of bend section.

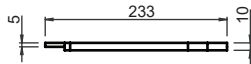


Item Code	Material	Supply	Weight
XLS-SRD90-002	Polyethylene (PE) 1000	1 pc	0.1 kg

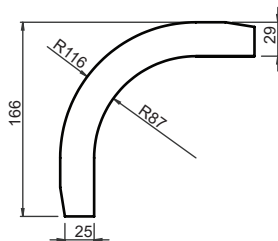


90° Bend , Outer Slide Rail Type-2

- Included in assembly of bend section
- Suitable for 90° Single Bend

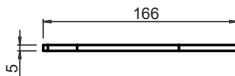


Item Code	Material	Supply	Weight
XLS-SRD90-003	Polyethylene (PE) 1000	1 pc	0.1 kg



90° Bend , Inner Slide Rail Type-2

- Included in assembly of bend section
- Suitable for 90° Single Bend

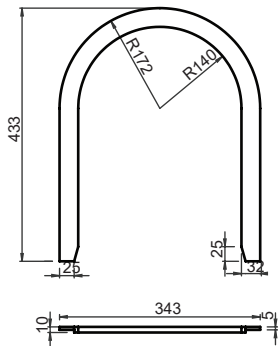


Item Code	Material	Supply	Weight
XLS-SRD90-004	Polyethylene (PE) 1000	1 pc	0.04 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



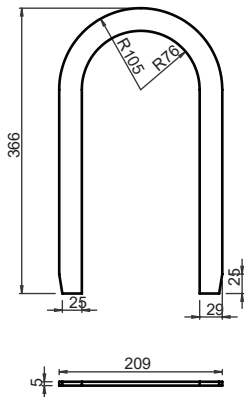
180° Bend , Outer Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLS-DSRDI-001	Polyethylene (PE) 1000	1 pc	0.2 kg

AP
TR
FIN
SLL
SLM
SLS
SML
SMS
EMS
ELS
MAG
PHR
FDR
EDS
DDS
BDS
TDS
SR
HWS
DDC
RMS
SFS
DW
DWS
IM
MM



180° Bend , Inner Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLS-DSRDI-002	Polyethylene (PE) 1000	1 pc	0.1 kg

Slide Rail - Roll



Slide Rail

- Included in assembly of straight section.



Item Code	Material	Supply	Weight
SL - SR25	Polyethylene (PE) 500	25m/roll	2.8 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

[illegible]

MODU SM LARGE CONVEYOR SERIES



Technical Characteristics

Dimensions

	Width	Height
Single Lane	170mm	74mm
Double Lane	376mm	74mm

Chain

Type	MODU SM Chain
Width	85mm
Colour	White

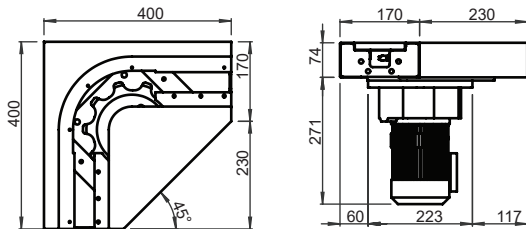
Sprocket

PCD	205mm
Teeth	10T

Contents

Drive Unit	82	Sprocket Hub	91
Single Bend	83	Sprocket Guide	91
Double Bend	83	Chain Guide - Single	91
Idler Unit	85	Chain Guide - Double	92
Combine Bend	85	Slide Rail - Single	95
Straight Section	87	Slide Rail - Single/Double	95
Rotary Transfer Frame	88	Slide Rail - Double	95
Rotary Transfer Accessories	89	Slide Rail - Roll	98
Mounting Plate	90		
Drive Sprocket	90		

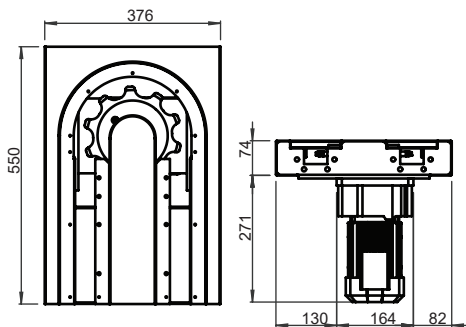
Drive Unit



90° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-LS3□-D 12S	Stainless Steel 304	1 unit	18 kg



180° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-LD3□-D 12S	Stainless Steel 304	1 unit	20.7 kg

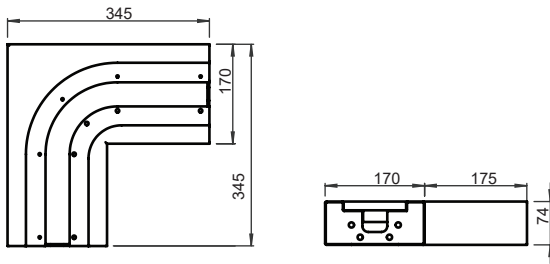


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

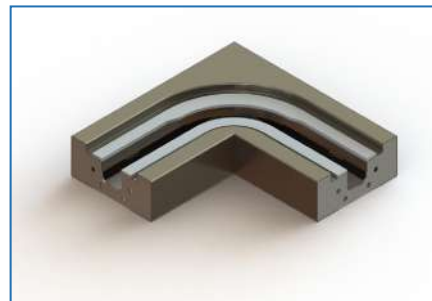
Single Bend



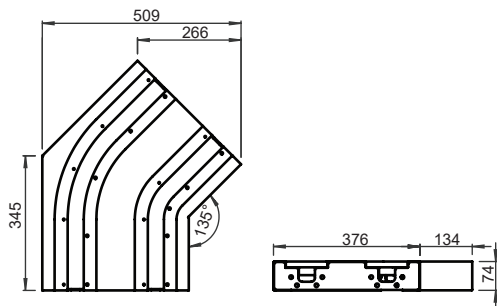
90° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-LS3-B 90	Stainless Steel 304	1 unit	2.7 kg



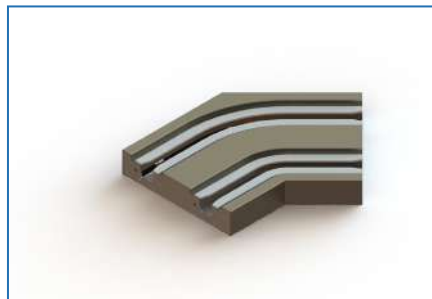
Double Bend



45° Bend

- Item supplied is assembled with sliderail

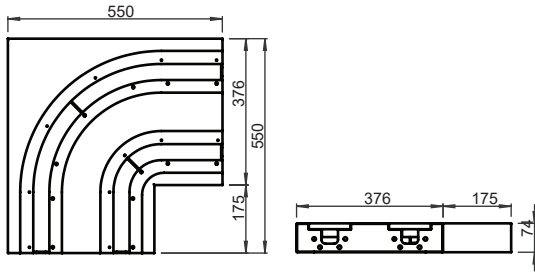
Item Code	Material	Supply	Weight
SM-LD3-B 45	Stainless Steel 304	1 unit	4.8 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

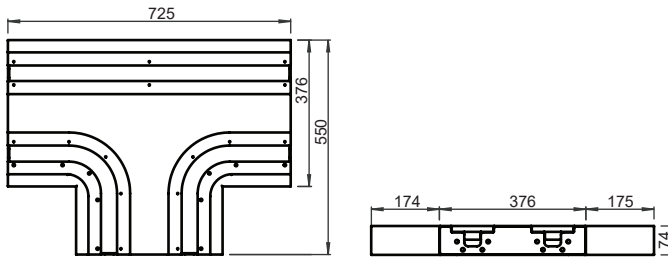
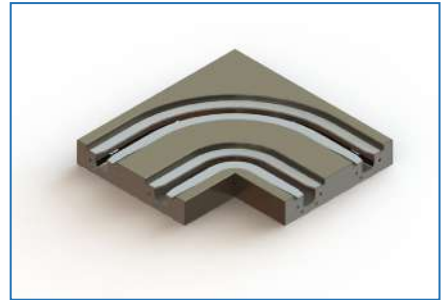
Units: Dimension (mm)



90° Bend

- Item supplied is assembled with sliderail

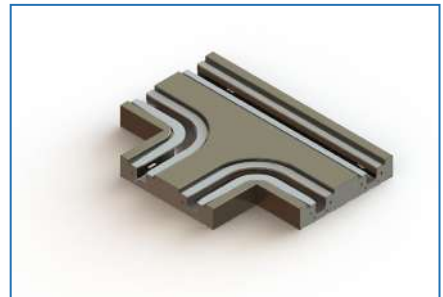
Item Code	Material	Supply	Weight
SM-LD3□-B 90	Stainless Steel 304	1 unit	6.8 kg



T° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-LD3□-BT	Stainless Steel 304	1 unit	7.3 kg

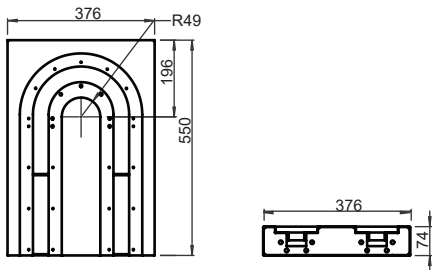


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

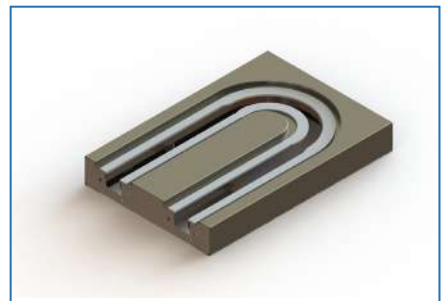
Idler Unit



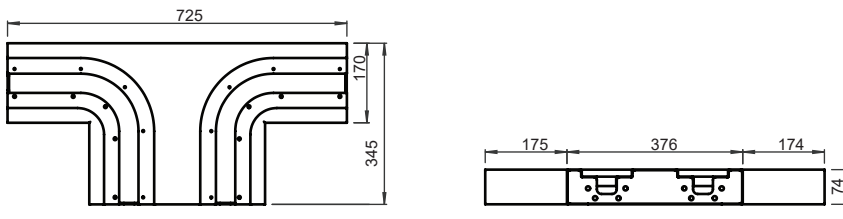
180° Idler Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-LD3□-IE	Stainless Steel 304	1 unit	5.5 kg



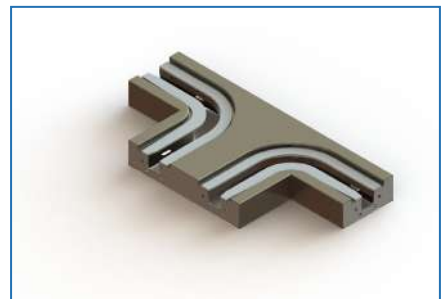
Combine Bend



T Bend

- Item supplied is assembled with sliderail

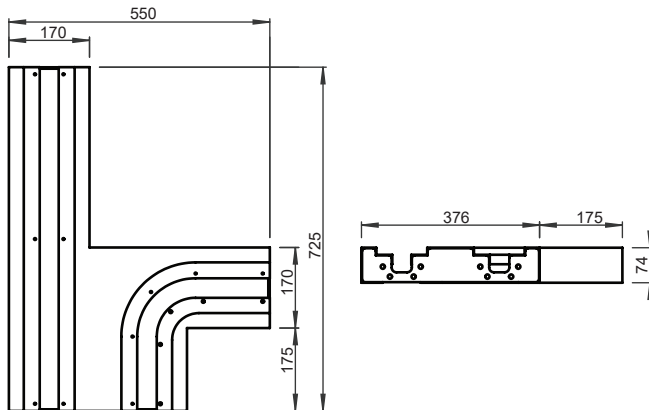
Item Code	Material	Supply	Weight
SM-LC3□-BT	Stainless Steel 304	1 unit	5 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

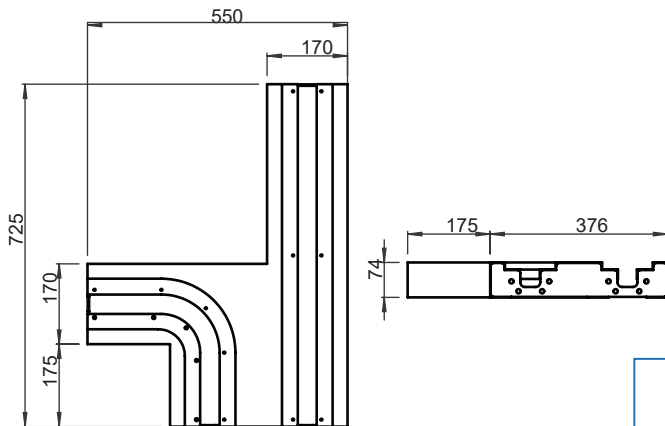
Units: Dimension (mm)



R Bend - Right

- Item supplied is assembled with sliderail

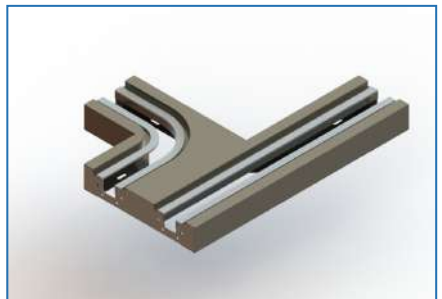
Item Code	Material	Supply	Weight
SM-LC3□-BRR	Stainless Steel 304	1 unit	5.8 kg



R Bend - Left

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-LC3□-BRL	Stainless Steel 304	1 unit	5.8 kg

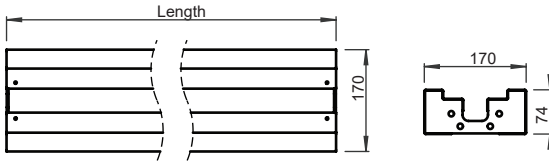


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section



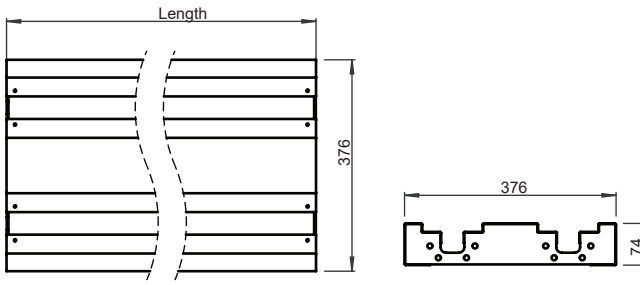
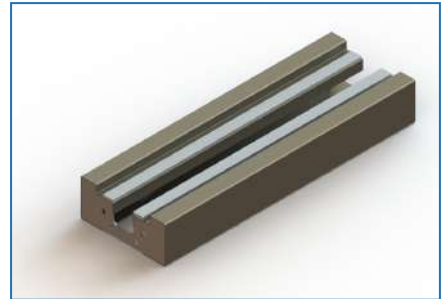
Straight Section - Single

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SM-LS3□-C 2.4	Stainless Steel 304	1 unit	17.8 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SM-LS3□-C ◊	Stainless Steel 304	1 unit	-



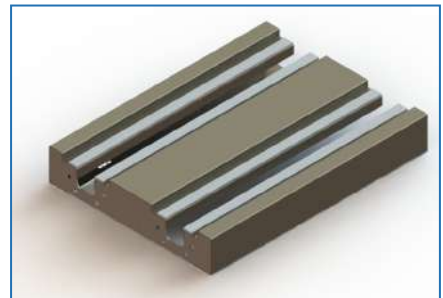
Straight Section - Double

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SM-LD3□-C 2.4	Stainless Steel 304	1 unit	11 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

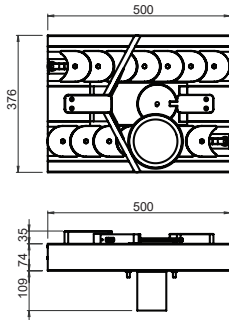
Item Code	Material	Supply	Weight
SM-LD3□-C ◊	Stainless Steel 304	1 unit	-



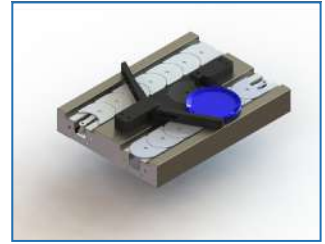
◊ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

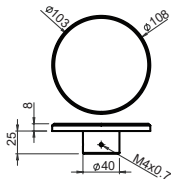
Rotary Transfer Frame



Rotary Transfer Frame Assembly



Item Code	Material	Supply	Weight
SM-LD3□-RT	Mild Steel	1 unit	6.8 kg

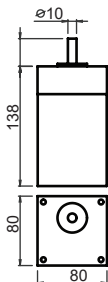


Turn Table

- Additive Finishing: Rubber Coat



Item Code	Material	Supply	Weight
CRT-TURN-SM	Polyethylene (PE)	1 unit	0.1 kg



SPG 25W Induction Motor with Speed Controller



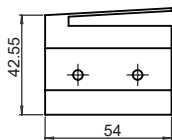
Item Code	Material	Supply	Weight
S8I25GX-V12CE	-	1 unit	2.3 kg

□ Indicates available finishing options, Kindly refer to page 27.

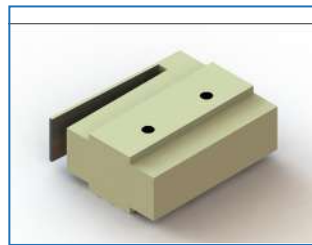
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

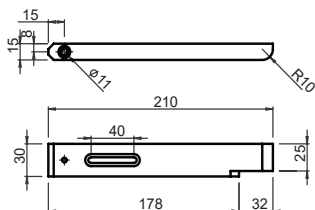
Rotary Transfer Accessories



Limit Switch



Item Code	Material	Supply	Weight
CRT-LMTS-MN5140	-	1 pc	0.1 kg

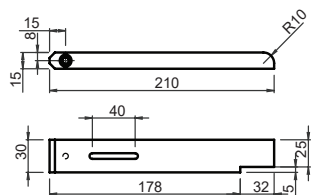


Arm Rotary - Left

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-ARM-L	Polyethylene (PE) 500	1 pc	0.1 kg



Arm Rotary - Right

- Included in assembly of bend section.



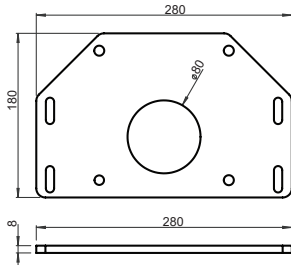
Item Code	Material	Supply	Weight
XML-ARM-R	Polyethylene (PE) 500	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

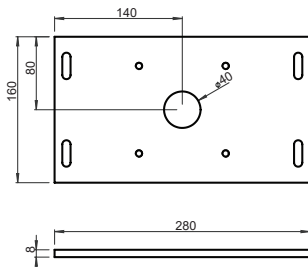
Mounting Plate



Motor Mounting Plate

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc

Item Code	Material	Supply	Weight
XLM-SMMP-001	Mild Steel	1 pc	2.4 kg

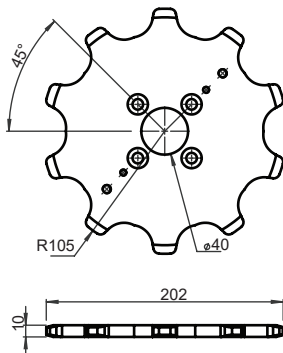


Motor Mounting Plate

Item Code	Material	Supply	Weight
XLM-DMMP-001	Mild Steel	1 pc	2.6 kg



Drive Sprocket



Sprocket PCD 205

- PCD: 205mm
- Teeth: 10

Item Code	Material	Supply	Weight
CCP-SPRKT-205	Nylon	1 pc	0.3 kg

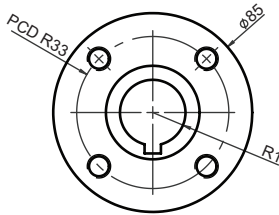


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Sprocket Hub



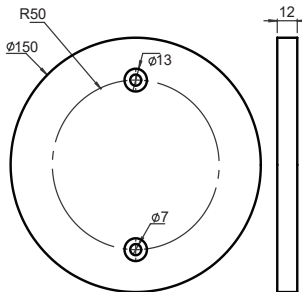
Sprocket Hub

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
CCP-SB-D28	Mild Steel	1 pc	0.8 kg

Sprocket Guide



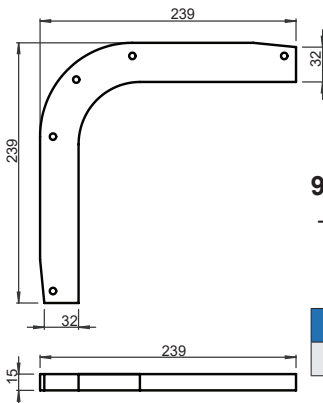
Top Sprocket Guide

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-CGDU-001	Polyethylene (PE) 500	1 pc	0.8 kg

Chain Guide - Single



90° Chain Guide

- Included in assembly of bend section.

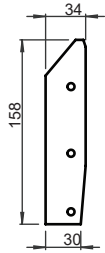


Item Code	Material	Supply	Weight
XML-SCG90-001	Polyethylene (PE) 500	1 pc	0.2 kg

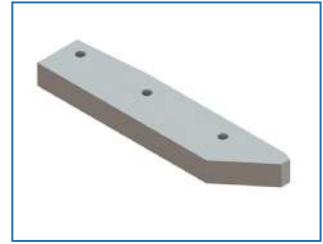
□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

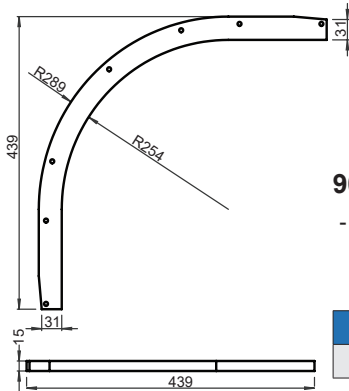


Drive Unit Bottom Chain Guide



Item Code	Material	Supply	Weight
XMLS-CGDU-001	Polyethylene (PE) 500	1 pc	0.07 kg

Chain Guide - Double

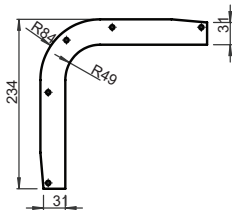


90° Bend , Outer Chain Guide

- Included in assembly of bend section.

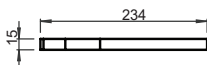


Item Code	Material	Supply	Weight
XML-CG90-001	Polyethylene (PE) 500	1 pc	0.4 kg



90° Bend , Inner Chain Guide

- Included in assembly of bend section.

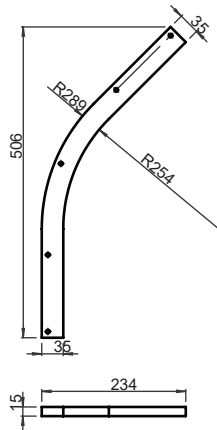


Item Code	Material	Supply	Weight
XML-CG90-002	Polyethylene (PE) 500	1 pc	0.2 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



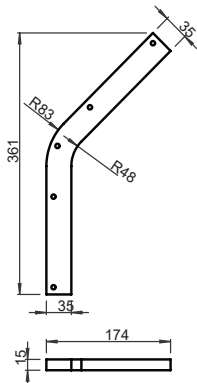
45° Bend , Outer Chain Guide

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-CG45-001	Polyethylene (PE) 500	1 pc	0.3 kg

AP
TR
FIN
SLL
SLM
SLS
SML
SMS
EMS
ELS
MAG
PHR
FDR
EDS
DDS
BDS
TDS
SR
HWS
DDC
RMS
SFS
DW
DWS
IM
MM

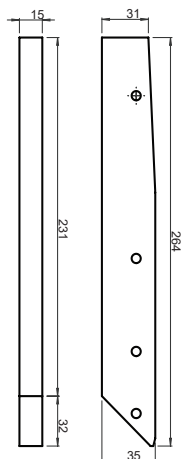


45° Bend , Inner Chain Guide

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-CG45-001	Polyethylene (PE) 500	1 pc	0.2 kg



180° Bend , Outer Chain Guide

- Included in assembly of bend section.

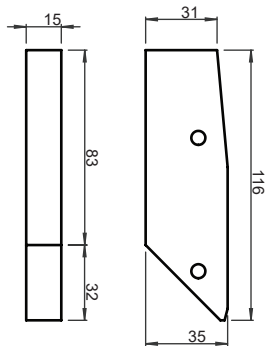


Item Code	Material	Supply	Weight
XML-CGDU-002	Polyethylene (PE) 500	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

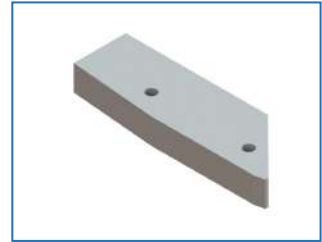
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

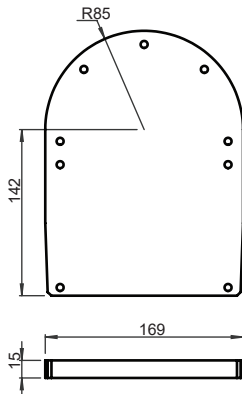


180° Bend , Inner Chain Guide

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
-	Polyethylene (PE) 500	1 pc	-



Idler Unit Chain Guide

- Included in assembly of bend section.



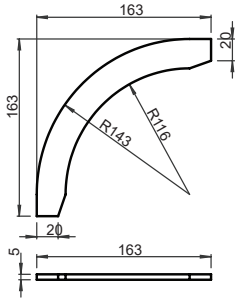
Item Code	Material	Supply	Weight
XML-CGDU-003	Polyethylene (PE) 500	1 pc	0.5 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Slide Rail - Single



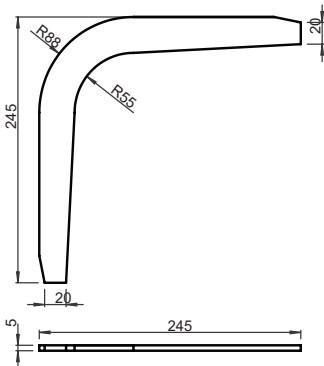
90° Bend , Outer Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-SSR90-001	Polyethylene (PE) 1000	1 pc	0.03 kg

Slide Rail - Single/Double



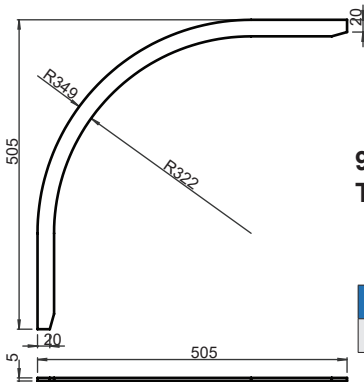
90° Bend , Inner Slide Rail Single & Double Type-2

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-DSR90-004	Polyethylene (PE) 1000	1 pc	0.06 kg

Slide Rail - Double



90° Bend , Outer Slide Rail Type-1

- Included in assembly of bend section.

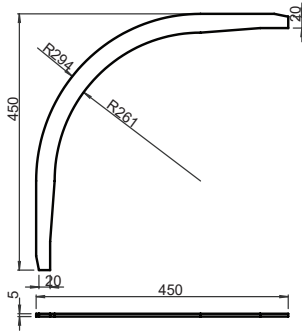


Item Code	Material	Supply	Weight
XML-DSR90-001	Polyethylene (PE) 1000	1 pc	0.11 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

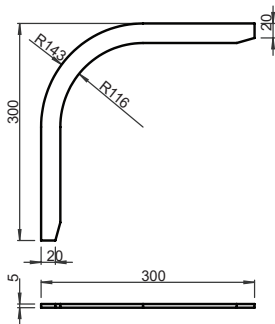
Units: Dimension (mm)



90° Bend , Inner Slide Rail Type-1

- Included in assembly of bend section.

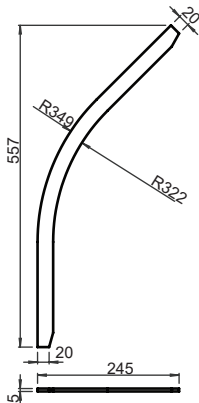
Item Code	Material	Supply	Weight
XML-DSR90-002	Polyethylene (PE) 1000	1 pc	0.11 kg



90° Bend , Outer Slide Rail Type-2

- Included in assembly of bend section.

Item Code	Material	Supply	Weight
XML-DSR90-003	Polyethylene (PE) 1000	1 pc	0.07 kg



45° Bend , Outer Slide Rail Type-1

- Included in assembly of bend section.

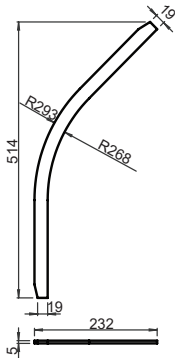
Item Code	Material	Supply	Weight
XML-DSR45-001	Polyethylene (PE) 1000	1 pc	0.08 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

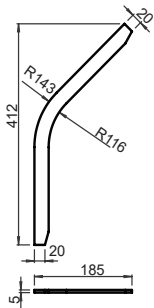


**45° Bend , Inner Slide Rail
Type-1**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-DSR45-002	Polyethylene (PE) 1000	1 pc	0.07 kg

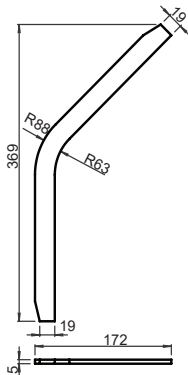


**45° Bend , Outer Slide Rail
Type-2**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-DSR45-003	Polyethylene (PE) 1000	1 pc	0.06 kg



**45° Bend , Inner Slide Rail
Type-2**

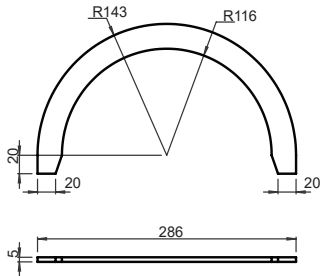
- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-DSR45-004	Polyethylene (PE) 1000	1 pc	0.05 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

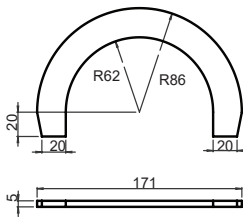


180° Bend , Outer Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-DSRIE-001	Polyethylene (PE) 1000	1 pc	0.06 kg



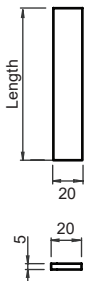
180° Bend , Inner Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XML-DSRIE-002	Polyethylene (PE) 1000	1 pc	0.03 kg

Slide Rail - Roll



Slide Rail

- Included in assembly of straight section.



Item Code	Material	Supply	Weight
SM - SR20	Polyethylene (PE) 500	25m/roll	3.0 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

MODU SM SLIM CONVEYOR SERIES



Technical Characteristics

Dimensions

	Width	Height
Single Lane	113mm	74mm
Double Lane	319mm	74mm

Chain

Type	MODU SM Chain
Width	85mm
Colour	White

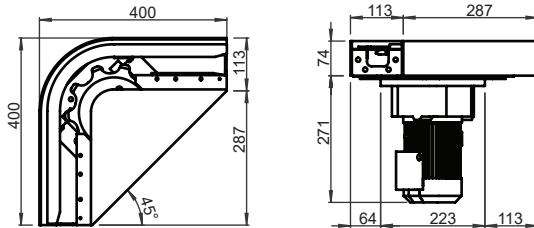
Sprocket

PCD	205mm
Teeth	10T

Contents

Drive Unit	100	Drive Sprocket	109
Single Bend	101	Sprocket Hub	109
Double Bend	102	Chain Guide	110
Idler Unit	103	Slide Rail - Single	111
Combine Bend	104	Slide Rail - Double	112
Straight Section	106	Slide Rail - Roll	115
Rotary Transfer Frame	107		
Rotary Transfer Accessories	108		
Mounting Plate	109		

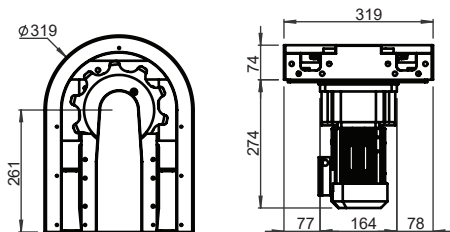
Drive Unit



90° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-SS3□-D 12S	Stainless Steel 304	1 unit	17.5 kg



180° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-SD3□-D 12S	Stainless Steel 304	1 unit	17.8 kg

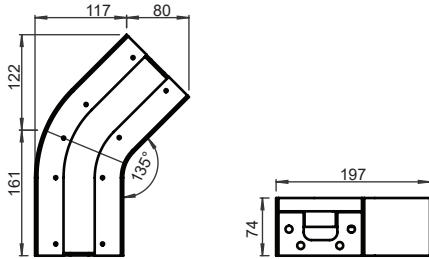


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

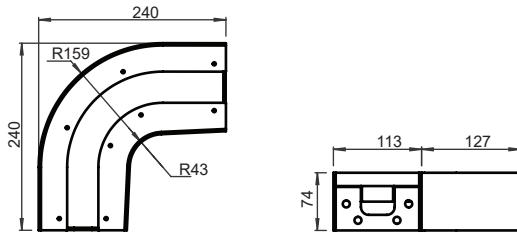
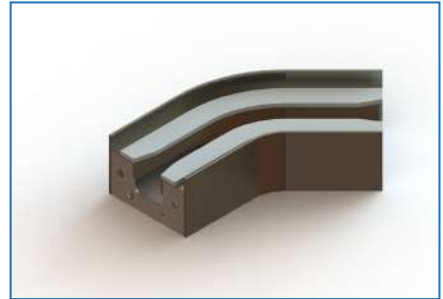
Single Bend



45° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-SS3□-B 45	Stainless Steel 304	1 unit	1.6 kg



90° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-SS3□-B 90	Stainless Steel 304	1 unit	1.8 kg

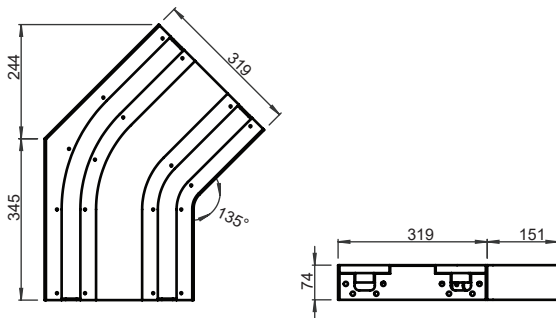


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

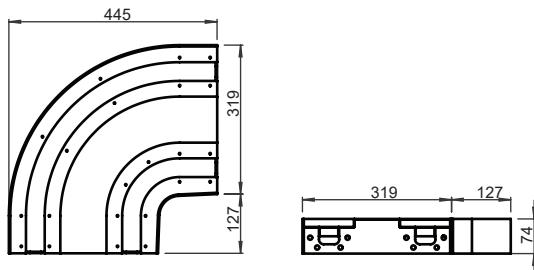
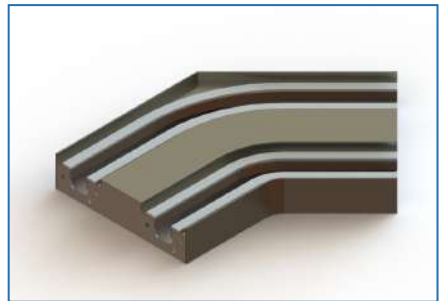
Double Bend



45° Bend

- Item supplied is assembled with sliderail

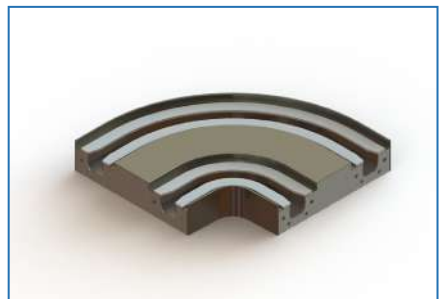
Item Code	Material	Supply	Weight
SM-SD3□-B 45	Stainless Steel 304	1 unit	4.9 kg



90° Bend

- Item supplied is assembled with sliderail

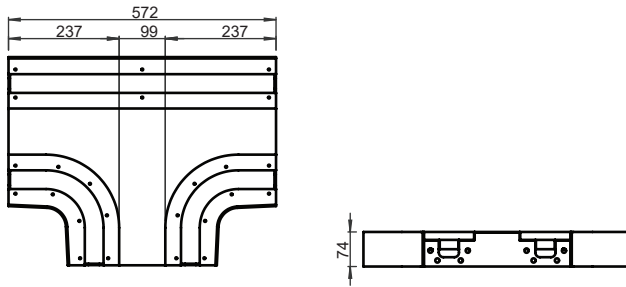
Item Code	Material	Supply	Weight
SM-SD3□-B 90	Stainless Steel 304	1 unit	4.4 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

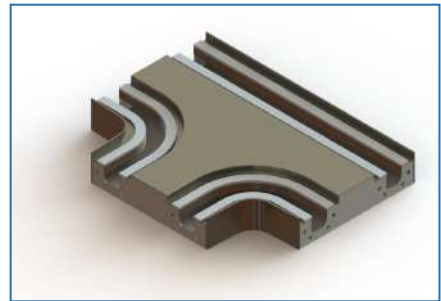
Units: Dimension (mm)



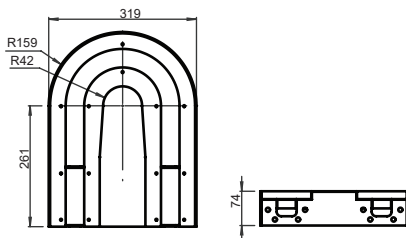
T Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SM-SD3□-BT	Stainless Steel 304	1 unit	5.6 kg



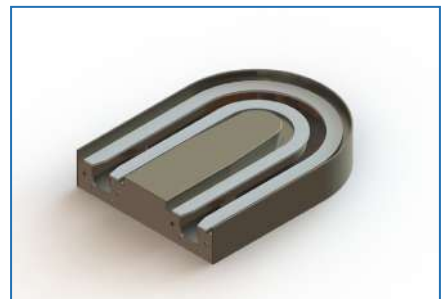
Idler Unit



180° Idler Bend

- Item supplied is assembled with sliderail

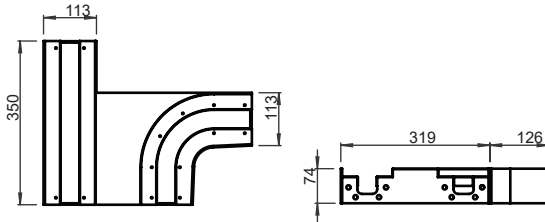
Item Code	Material	Supply	Weight
SM-SD3□-IE	Stainless Steel 304	1 unit	4.1 kg



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

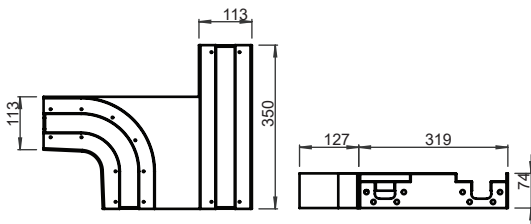
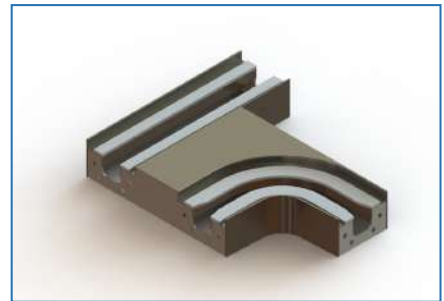
Combine Bend



R Bend - Left

- Item supplied is assembled with sliderail

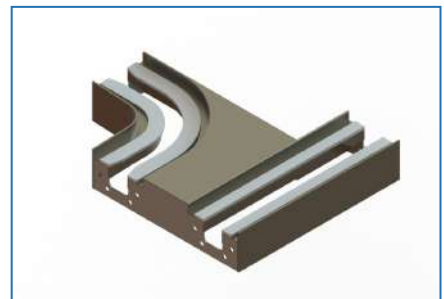
Item Code	Material	Supply	Weight
SM-SC3□-BRL	Stainless Steel 304	1 unit	-



R Bend - Right

- Item supplied is assembled with sliderail

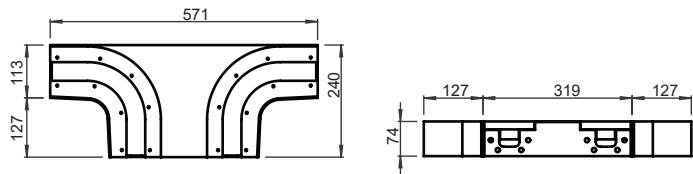
Item Code	Material	Supply	Weight
SM-SC3□-BRL	Stainless Steel 304	1 unit	-



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

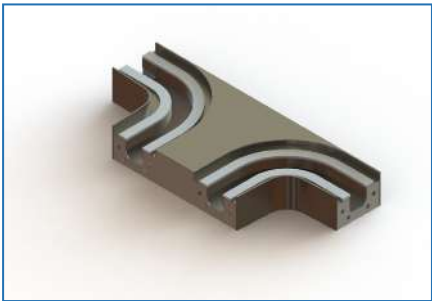
Units: Dimension (mm)



T Bend

- Item supplied is assembled with sliderail

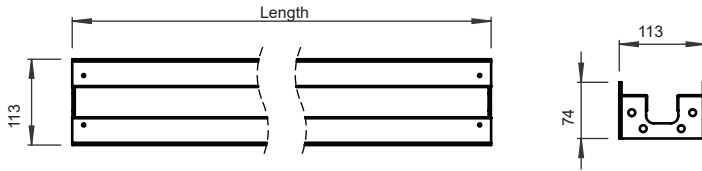
Item Code	Material	Supply	Weight
SM-SC3□-BT	Stainless Steel 304	1 unit	3.7 kg



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section



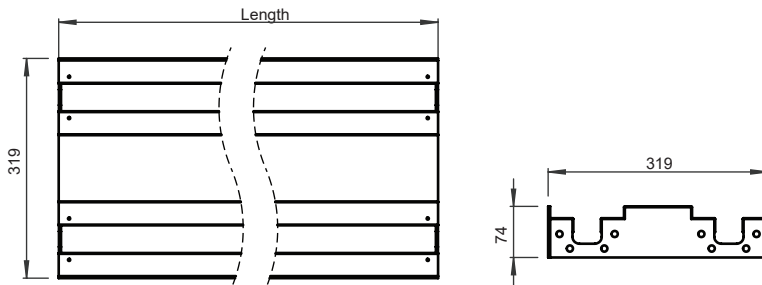
Straight Section - Single

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SM-SS3□-C 2.4	Stainless Steel 304	1 unit	11.8 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SM-SS3□-C ◇	Stainless Steel 304	1 unit	-



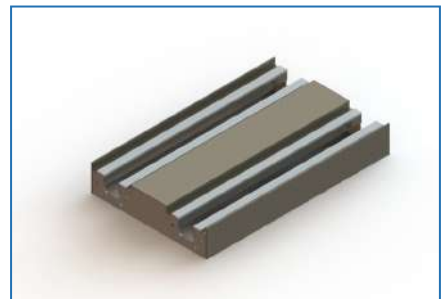
Straight Section - Double

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SM-SD3□-C 2.4	Stainless Steel 304	1 unit	18.4 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SM-SD3□-C ◇	Stainless Steel 304	1 unit	-

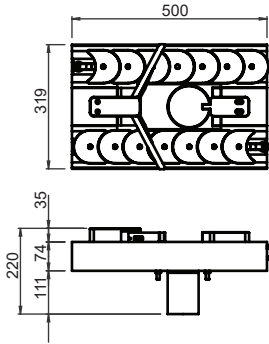


□ Indicates available finishing options, Kindly refer to page 27.

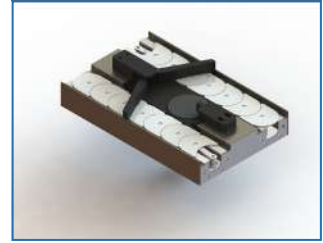
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

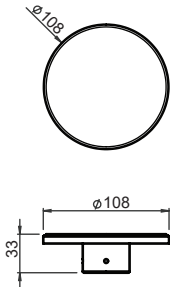
Rotary Transfer Frame



Rotary Transfer Frame Assembly



Item Code	Material	Supply	Weight
SM-SD3□-RT	Mild Steel	1 unit	6.2 kg

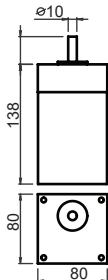


Turn Table

- Additive Finishing: Rubber Coat



Item Code	Material	Supply	Weight
CRT-TURN-SM	Polyethylene (PE)	1 unit	0.1 kg



SPG 25W Induction Motor with Speed Controller

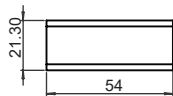
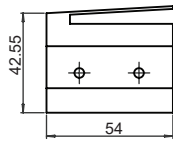


Item Code	Material	Supply	Weight
S8I25GX-V12CE	-	1 unit	2.3 kg

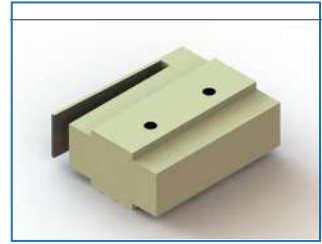
□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

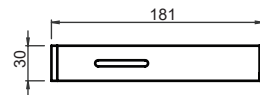
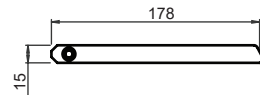
Rotary Transfer Accessories



Limit Switch



Item Code	Material	Supply	Weight
CRT-LMTS-MN5140	-	1 pc	0.1 kg

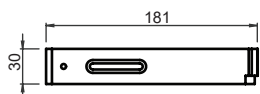
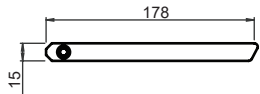


Arm Rotary - Left

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XMS-ARM-L	Polyethylene (PE) 500	1 pc	0.1 kg



Arm Rotary - Right

- Included in assembly of bend section.



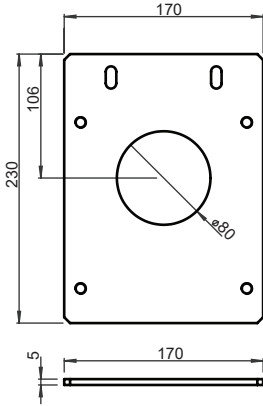
Item Code	Material	Supply	Weight
XMS-ARM-R	Polyethylene (PE) 500	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

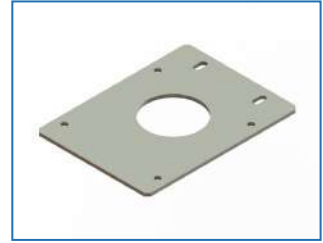
Units: Dimension (mm)

Mounting Plate



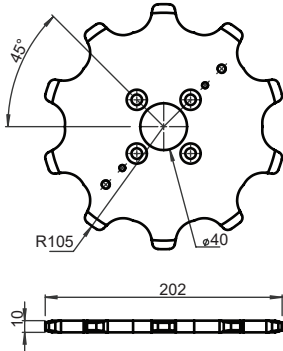
Motor Mounting Plate

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
XMS-DMMP-001	Mild Steel	1 pc	1.3 kg

Drive Sprocket



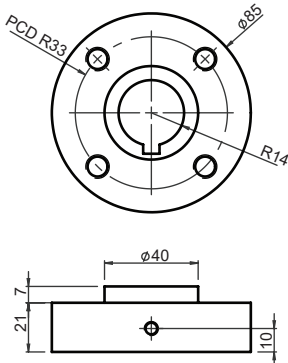
Sprocket PCD 205

- PCD: 205mm
- Teeth: 10



Item Code	Material	Supply	Weight
CCP-SPRKT-205	Nylon	1 pc	0.3 kg

Sprocket Hub



Sprocket Hub

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



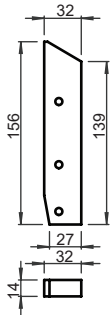
Item Code	Material	Supply	Weight
CCP-SB-D28	Mild Steel	1 pc	0.8 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

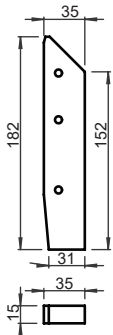
Chain Guide



Drive Unit Bottom Chain Guide

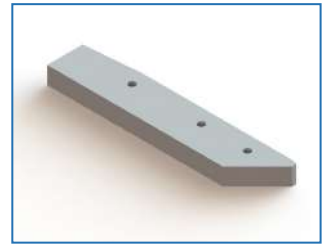


Item Code	Material	Supply	Weight
XMS-CGDU-001	Polyethylene (PE) 500	1 pc	0.06 kg

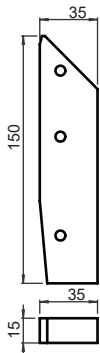


180° Bend , Straight Chain Guide

- Included in assembly of bend section.

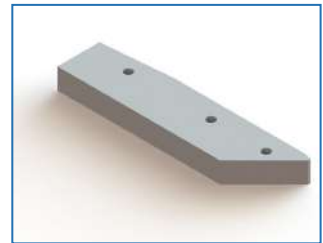


Item Code	Material	Supply	Weight
XMS-CGDU-003	Polyethylene (PE) 500	1 pc	0.08 kg



Inner Chain Guide

- Included in assembly of bend section.

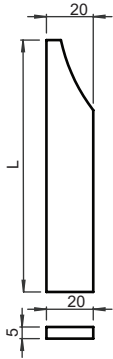


Item Code	Material	Supply	Weight
XMS-CGDU-001	Polyethylene (PE) 500	1 pc	0.06 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



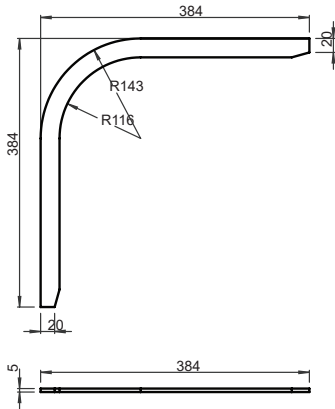
Outer Chain Guide

- Included in assembly of bend section.
- L = 225



Item Code	Material	Supply	Weight
XMS-CGDU-002	Polyethylene (PE) 500	1 pc	0.02 kg

Slide Rail - Single

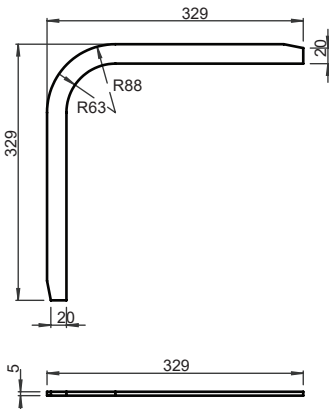


90° Bend , Outer Slide Rail Type-1

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XMS-SSR90-001	Polyethylene (PE) 1000	1 pc	0.09 kg



90° Bend , Inner Slide Rail Type-1

- Included in assembly of bend section.

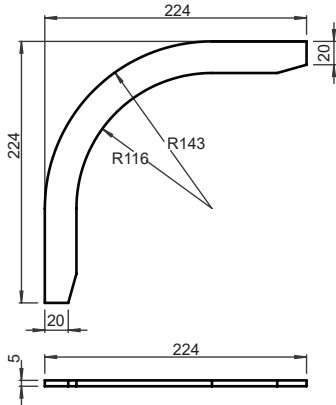


Item Code	Material	Supply	Weight
XMS-SSR90-002	Polyethylene (PE) 1000	1 pc	0.07 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

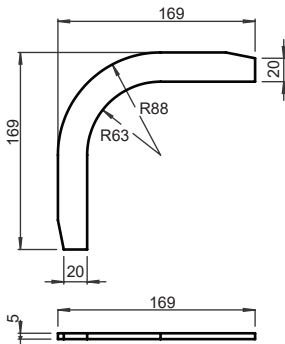


90° Bend , Outer Slide Rail Type-2

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XMS-SSR90-003	Polyethylene (PE) 1000	1 pc	0.05 kg



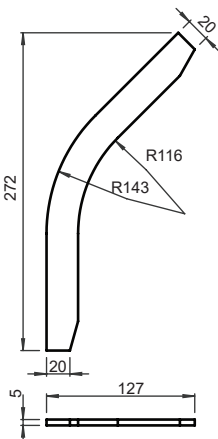
90° Bend , Inner Slide Rail Type-2

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XMS-SSR90-004	Polyethylene (PE) 1000	1 pc	0.03 kg

Slide Rail - Double



45° Bend , Outer Slide Rail

- Included in assembly of bend section.

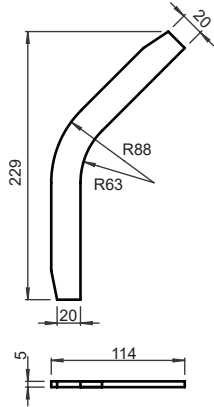


Item Code	Material	Supply	Weight
XMS-DSR45-001	Polyethylene (PE) 1000	1 pc	0.04 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

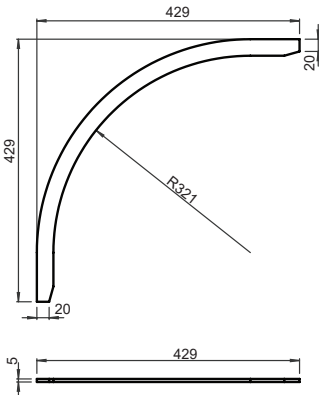


45° Bend , Inner Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XMS-DSR45-001	Polyethylene (PE) 1000	1 pc	0.03 kg

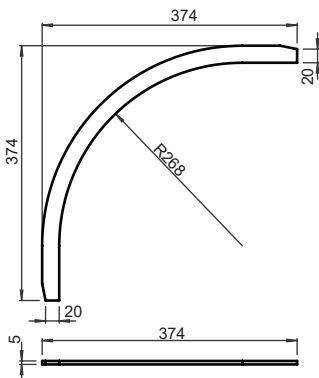


90° Bend , Outer Slide Rail Type-1

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XMS-DSR90-001	Polyethylene (PE) 1000	1 pc	0.09 kg



90° Bend , Inner Slide Rail Type-1

- Included in assembly of bend section.

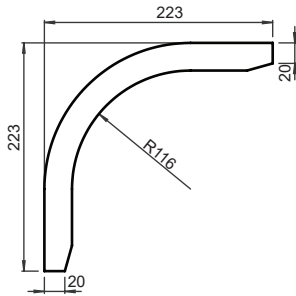


Item Code	Material	Supply	Weight
XMS-DSR90-002	Polyethylene (PE) 1000	1 pc	0.07 kg

□ Indicates available finishing options, Kindly refer to page 27.

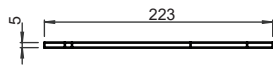
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

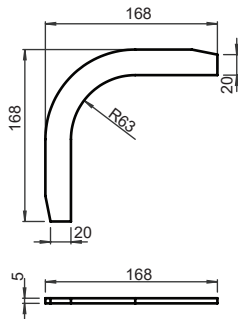


90° Bend , Outer Slide Rail Type-2

- Included in assembly of bend section.

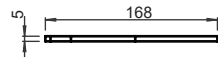


Item Code	Material	Supply	Weight
XMS-DSR90-003	Polyethylene (PE) 1000	1 pc	0.05 kg

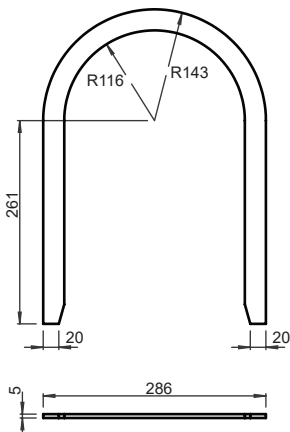


90° Bend , Inner Slide Rail Type-2

- Included in assembly of bend section.

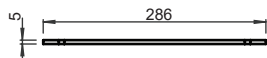


Item Code	Material	Supply	Weight
XMS-DSR90-004	Polyethylene (PE) 1000	1 pc	0.03 kg



180° Bend , Outer Slide Rail

- Included in assembly of bend section.

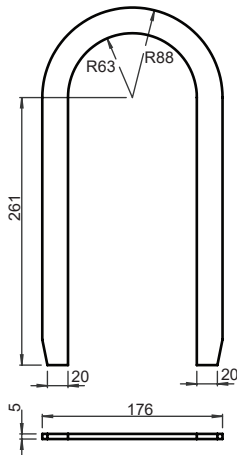


Item Code	Material	Supply	Weight
XMS-DSRIE-001	Polyethylene (PE) 1000	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



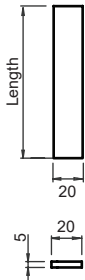
180° Bend , Inner Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XMS-DSRIE-002	Polyethylene (PE) 1000	1 pc	0.09 kg

Slide Rail - Roll



Slide Rail

- Included in assembly of straight section.



Item Code	Material	Supply	Weight
SM - SR20	Polyethylene (PE) 500	25m/roll	3.0 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MODU EM CONVEYOR SERIES



Technical Characteristics

Dimensions

	Width	Height
Single Lane	170mm	65mm
Double Lane	376mm	65mm

Chain

Type	MODU SM Chain
Width	85mm
Colour	White

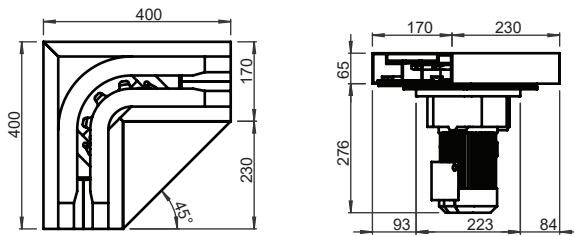
Sprocket

PCD	205mm
Teeth	10T

Contents

Drive Unit	118	Drive Sprocket	127
Single Bend	119	Sprocket Hub	128
Double Bend	120	Chain Guide	128
Idler Unit	121	Slide Rail	129
Combine Bend	122	Slide Rail - Roll	131
Straight Section	124	Connecting Plate	131
Rotary Transfer Frame	125		
Rotary Transfer Accessories	126		
Mounting Plate	127		

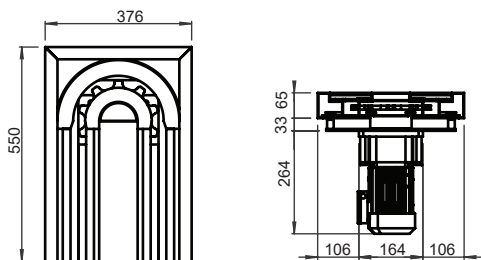
Drive Unit



90° Drive Unit

- Item supplied is assembled with sliderail

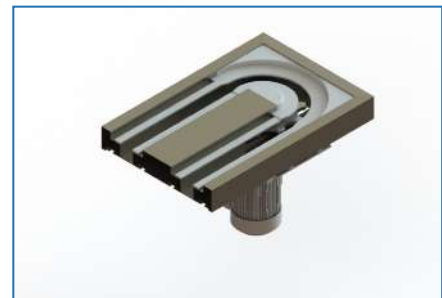
Item Code	Material	Supply	Weight
EM-LSA□-D	Aluminium 6063	1 unit	20 kg



180° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EM-LDA□-D	Aluminium 6063	1 unit	24.3 kg

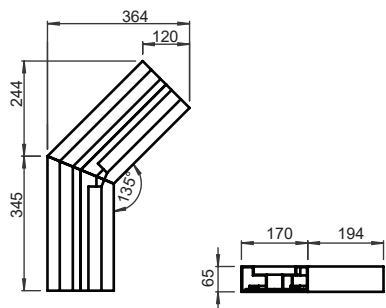


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

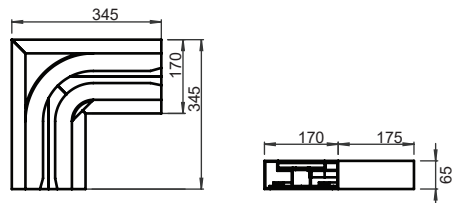
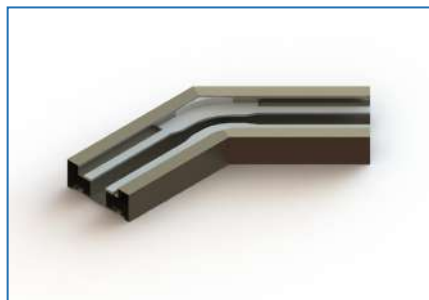
Single Bend



45° Bend

- Item supplied is assembled with sliderail

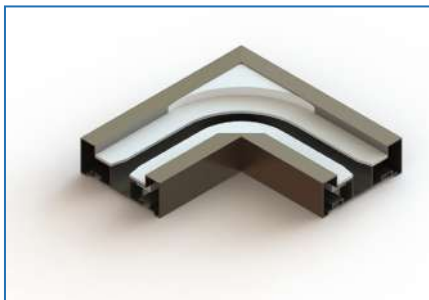
Item Code	Material	Supply	Weight
EM-LSA□-B 45	Aluminium 6063	1 unit	6.4 kg



90° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EM-LSA□-B 90	Aluminium 6063	1 unit	5.1 kg

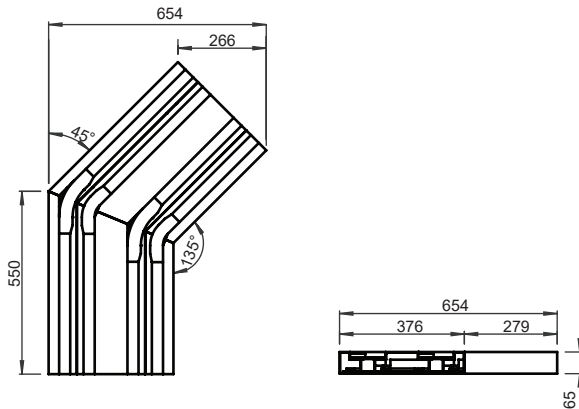


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

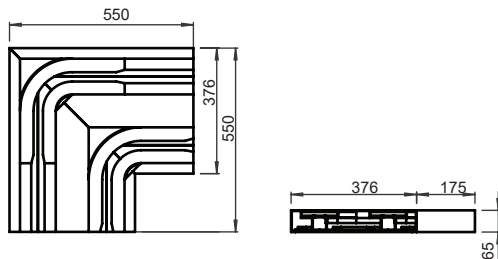
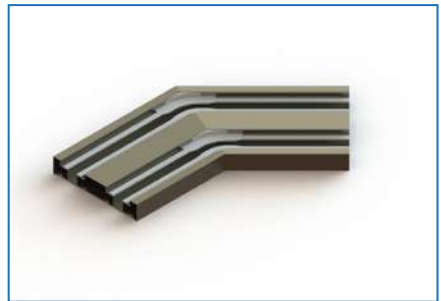
Double Bend



45° Bend

- Item supplied is assembled with sliderail

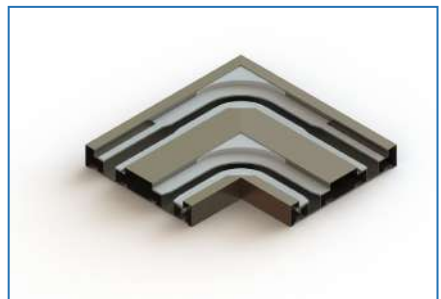
Item Code	Material	Supply	Weight
EM-LDA□-B 45	Aluminium 6063	1 unit	18.4 kg



90° Bend

- Item supplied is assembled with sliderail

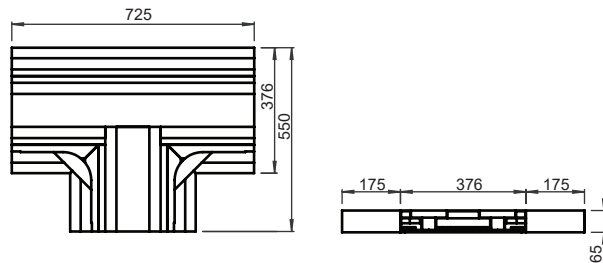
Item Code	Material	Supply	Weight
EM-LDA□-B 90	Aluminium 6063	1 unit	13.4 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

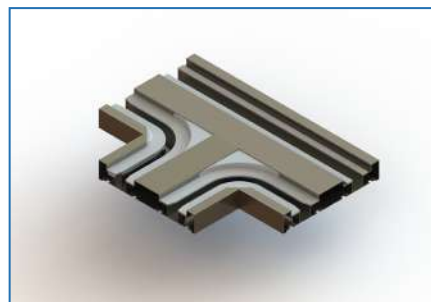
Units: Dimension (mm)



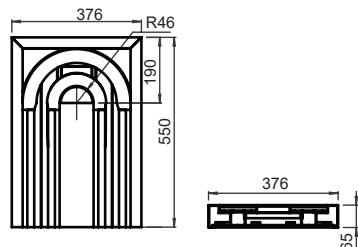
T Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EM-LDA□-BT	Aluminium 6063	1 unit	16.2 kg



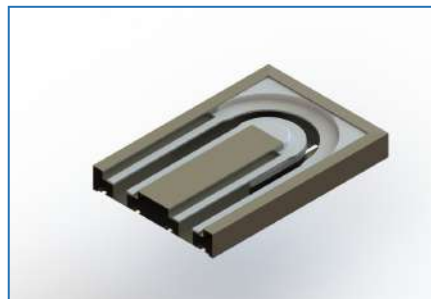
Idler Unit



180° Idler Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EM-LDA□-IE	Aluminium 6063	1 unit	10.7 kg

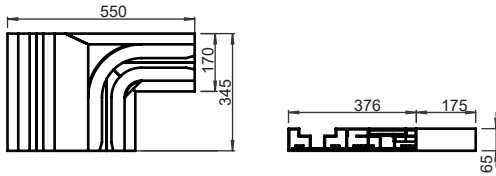


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

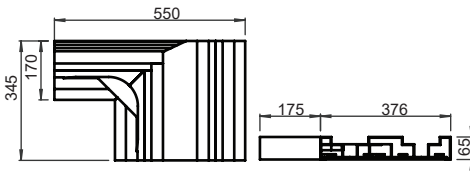
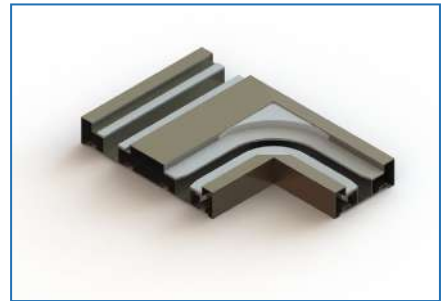
Combine Bend



R Bend - Right

- Item supplied is assembled with sliderail

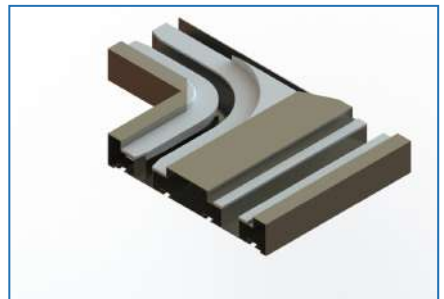
Item Code	Material	Supply	Weight
EM-LCA□-BRR	Aluminium 6063	1 unit	8.5 kg



R Bend - Left

- Item supplied is assembled with sliderail

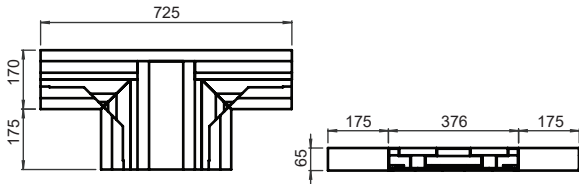
Item Code	Material	Supply	Weight
EM-LCA□-BRL	Aluminium 6063	1 unit	8.5 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

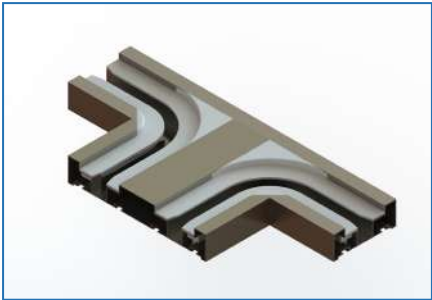
Units: Dimension (mm)



T Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EM-LCA□-BT	Aluminium 6063	1 unit	10.1 kg

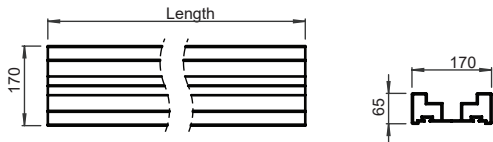


- AP
- TR
- FIN
- SLL
- SLM
- SLS
- SML
- SMS
- EMS
- ELS
- MAG
- PHR
- FDR
- EDS
- DDS
- BDS
- TDS
- SR
- HWS
- DDC
- RMS
- SFS
- DW
- DWS
- IM
- MM

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section



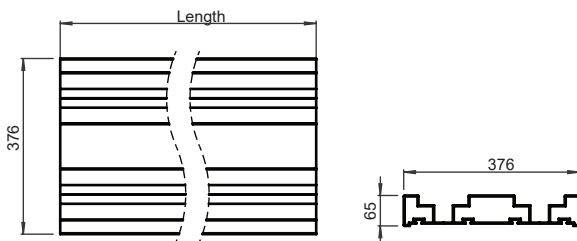
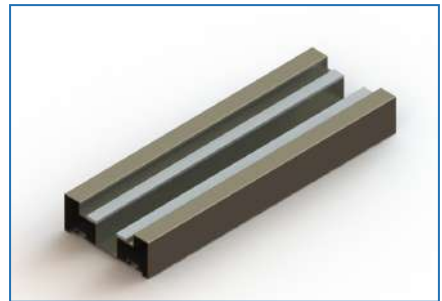
Straight Section - Single

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
EM-LSA□-C 2.4	Aluminium 6063	1 unit	23.2 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
EM-LSA□-C ◊	Aluminium 6063	1 unit	-



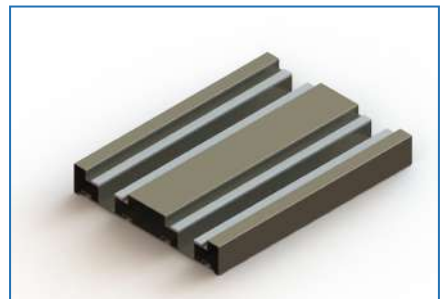
Straight Section - Double

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
EM-LDA□-C 2.4	Aluminium 6063	1 unit	44.1 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
EM-LDA□-C ◊	Aluminium 6063	1 unit	-

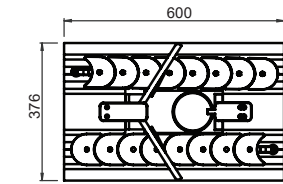


◊ Indicates available finishing options, Kindly refer to page 27.

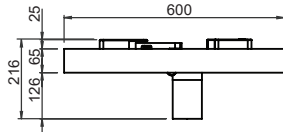
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

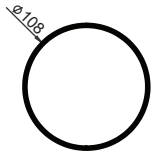
Rotary Transfer Frame



Rotary Transfer Frame Assembly

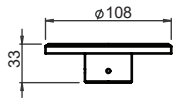


Item Code	Material	Supply	Weight
EM-LDA□-RT	Mild Steel	1 unit	5.6 kg

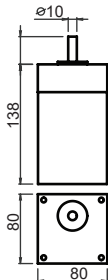


Turn Table

- Additive Finishing: Rubber Coat



Item Code	Material	Supply	Weight
CRT-TURN-SM	Polyethylene (PE)	1 unit	0.1 kg



SPG 25W Induction Motor with Speed Controller

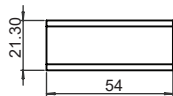
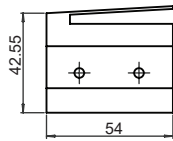


Item Code	Material	Supply	Weight
S8I25GX-V12CE	-	1 unit	2.3 kg

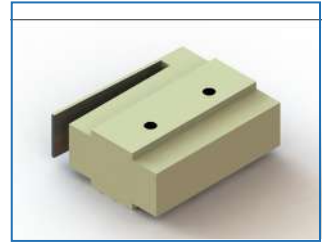
□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

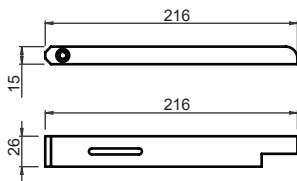
Rotary Transfer Accessories



Limit Switch



Item Code	Material	Supply	Weight
CRT-LMTS-MN5140	-	1 pc	0.1 kg

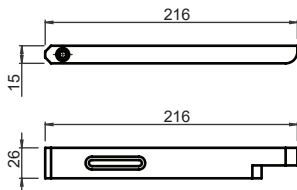


Arm Rotary - Left

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEM-ARM-L	Polyethylene (PE) 500	1 pc	0.1 kg



Arm Rotary - Right

- Included in assembly of bend section.



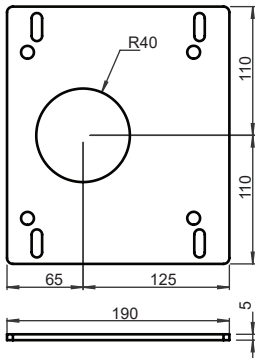
Item Code	Material	Supply	Weight
XEM-ARM-R	Polyethylene (PE) 500	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

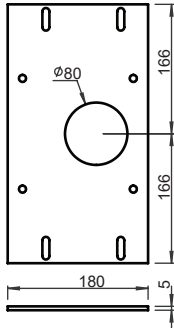
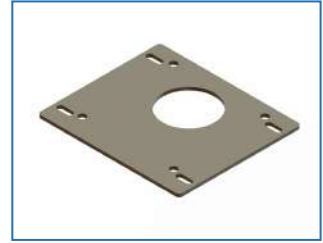
Mounting Plate



**Motor Mounting Plate
90° Single**

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc

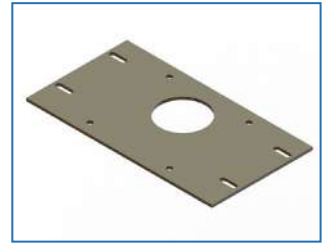
Item Code	Material	Supply	Weight
XEM-SMMP-001	Mild Steel	1 pc	1.4 kg



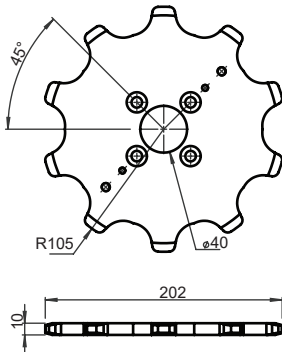
**Motor Mounting Plate
180° Double**

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc

Item Code	Material	Supply	Weight
XEM-DMMP-001	Mild Steel	1 pc	2.1 kg



Drive Sprocket



Sprocket PCD 205

- PCD: 205mm
- Teeth: 10

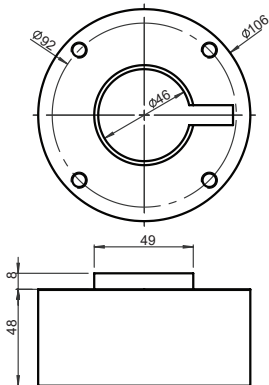
Item Code	Material	Supply	Weight
CCP-SPRKT-205	Nylon	1 pc	0.3 kg



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

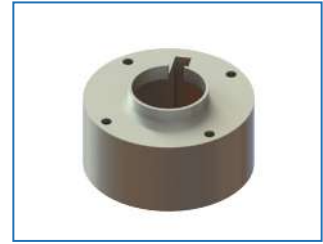
Units: Dimension (mm)

Sprocket Hub



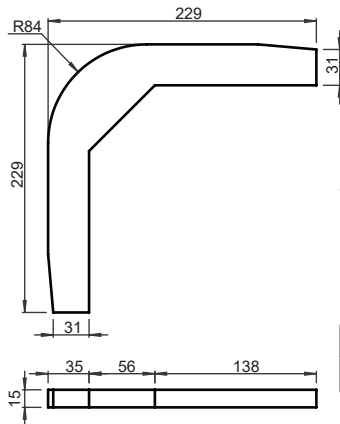
Sprocket Hub

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
CCP-SB-D28	Mild Steel	1 pc	1.4 kg

Chain Guide

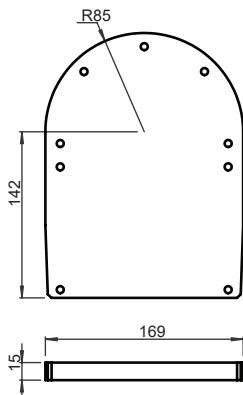


90° Chain Guide

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEM-CGDU-001	Polyethylene (PE) 500	1 pc	0.2 kg



Idler Unit Chain Guide

- Included in assembly of bend section.



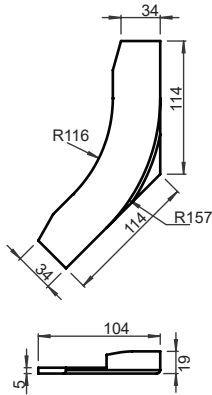
Item Code	Material	Supply	Weight
CCP-CGIE-001	Polyethylene (PE) 500	1 pc	0.5 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Slide Rail

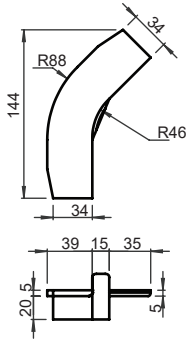


45° Bend , Outer Slide Rail

- Included in assembly of bend section.

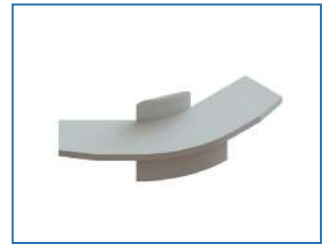


Item Code	Material	Supply	Weight
XEM-SR45-001	Polyethylene (PE) 1000	1 pc	0.05 kg

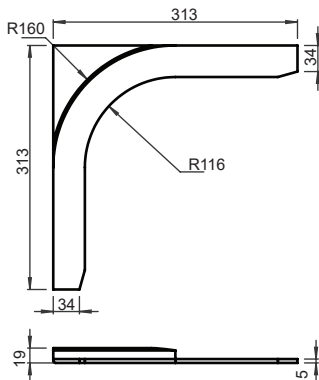


45° Bend , Inner Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEM-SR45-002	Polyethylene (PE) 1000	1 pc	0.1 kg



90° Bend , Outer Slide Rail

- Included in assembly of bend section.

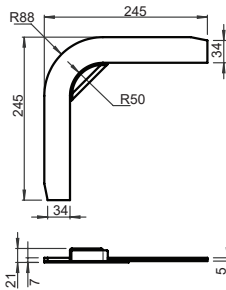


Item Code	Material	Supply	Weight
XEM-SR90-001	Polyethylene (PE) 1000	1 pc	0.2 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

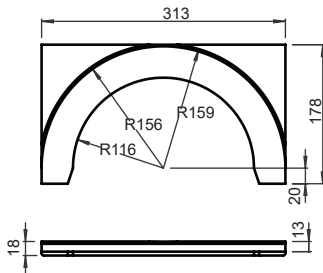


90° Bend , Inner Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEM-SR90-002	Polyethylene (PE) 1000	1 pc	0.1 kg

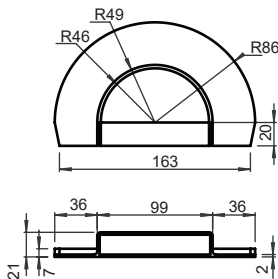


180° Bend , Outer Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEM-SRIE-001	Polyethylene (PE) 1000	1 pc	0.3 kg



180° Bend , Inner Slide Rail

- Included in assembly of bend section.



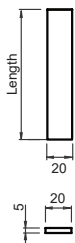
Item Code	Material	Supply	Weight
XEM-SRIE-002	Polyethylene (PE) 1000	1 pc	0.2 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Slide Rail - Roll



Slide Rail

- Included in assembly of straight section.



Item Code	Material	Supply	Weight
SM-SR20	Polyethylene (PE) 500	25m/roll	30 kg

Connecting Plate

Connecting Plate Single

- Included in assembly of bend section.

Item Code	Material	Supply	Weight
XEM-SCP-001	Polyethylene (PE) 1000	1 pc	0.1 kg

Connecting Plate Double

- Included in assembly of bend section.

Item Code	Material	Supply	Weight
XEM-DCP-001	Polyethylene (PE) 1000	1 pc	0.2 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MODU EL CONVEYOR SERIES



Technical Characteristics

Dimensions

	Width	Height
Single Lane	173mm	74mm
Double Lane	420mm	74mm

Chain

Type	MODU SL Chain
Width	114mm
Colour	White

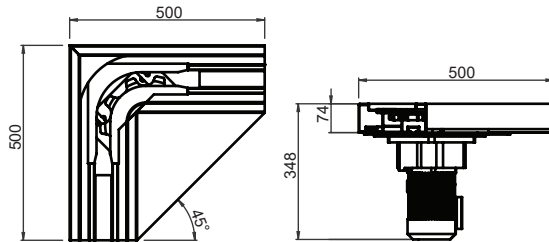
Sprocket

PCD	246mm
Teeth	10T

Contents

Drive Unit	134	Mounting Plate	143
Single Bend	135	Drive Sprocket	143
Double Bend	136	Sprocket Hub	144
Idler Unit	137	Chain Guide	144
Combine Bend	138	Slide Rail	146
Straight Section	140	Connecting Plate	147
Transfer Belt Frame	141	Slide Rail - Roll	148
Transfer Belt Accessories	142		

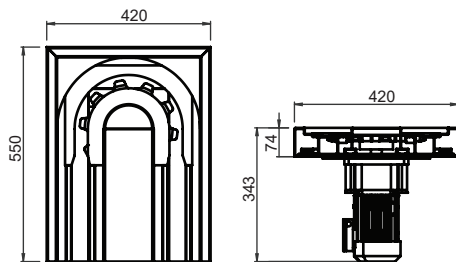
Drive Unit



90° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EL-LSA□-D	Aluminium 6063	1 unit	18.3 kg



180° Drive Unit

- Item supplied is assembled with sliderail

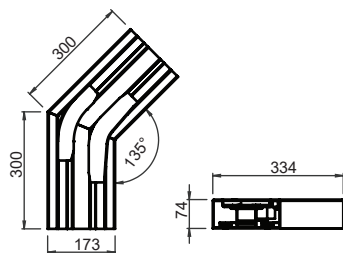
Item Code	Material	Supply	Weight
EL-LDA□-D	Aluminium 6063	1 unit	19.3 kg



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

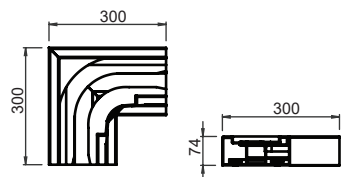
Single Bend



45° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EL-LSA□-B 45	Aluminium 6063	1 unit	2.4 kg



90° Bend

- Item supplied is assembled with sliderail

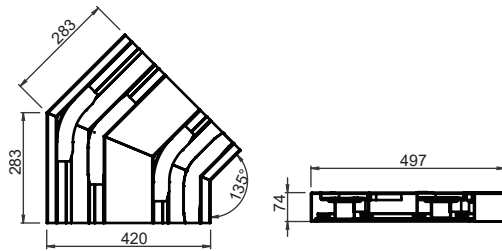
Item Code	Material	Supply	Weight
EL-LSA□-B 90	Aluminium 6063	1 unit	2.1 kg



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

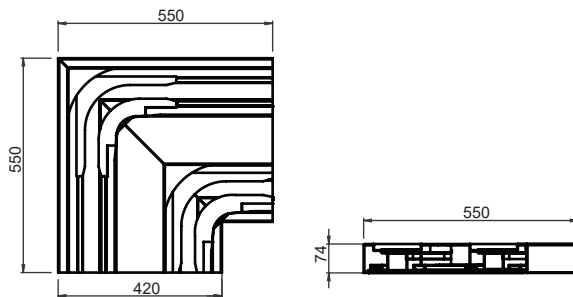
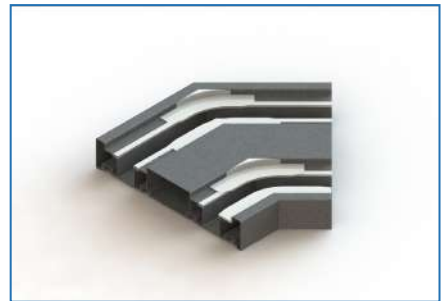
Double Bend



45° Bend

- Item supplied is assembled with sliderail

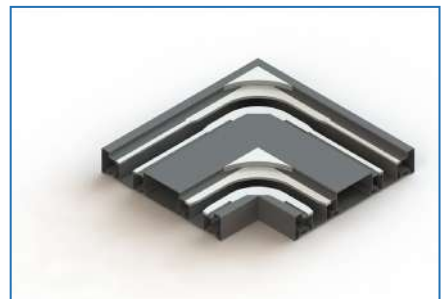
Item Code	Material	Supply	Weight
EL-LDA□-B 45	Aluminium 6063	1 unit	3.7 kg



90° Bend

- Item supplied is assembled with sliderail

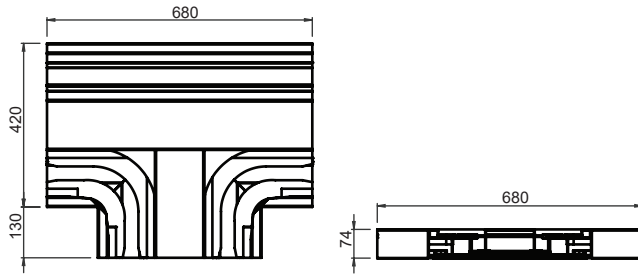
Item Code	Material	Supply	Weight
EL-LDA□-B 90	Aluminium 6063	1 unit	7.1 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

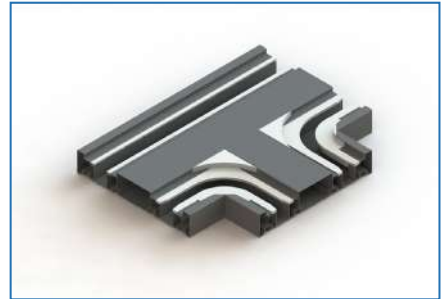
Units: Dimension (mm)



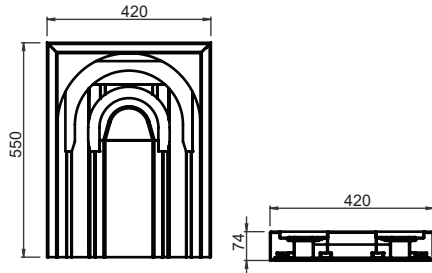
T Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EL-LDA□-BT	Aluminium 6063	1 unit	7.4 kg



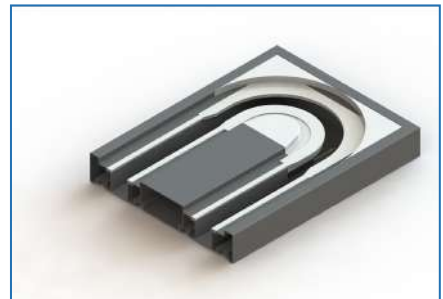
Idler Unit



180° Idler Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EL-LDA□-IE	Aluminium 6063	1 unit	5.5 kg

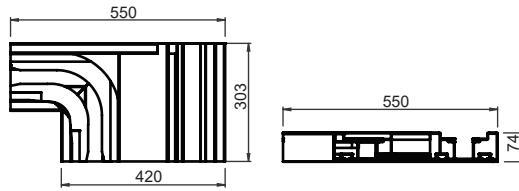


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

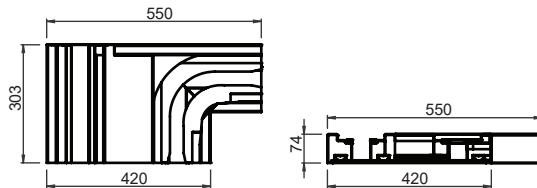
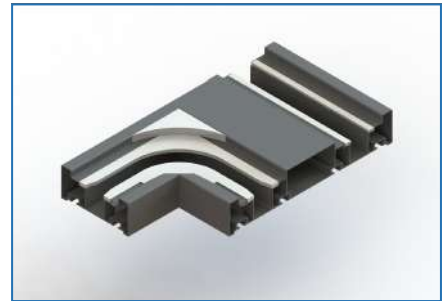
Combine Bend



R Bend - Left

- Item supplied is assembled with sliderail

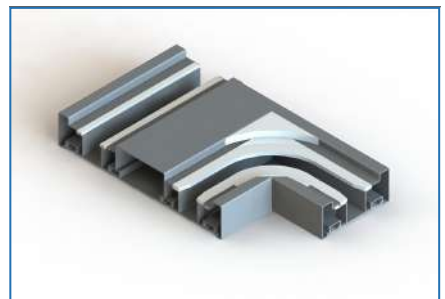
Item Code	Material	Supply	Weight
EL-LCA□-BRR	Aluminium 6063	1 unit	3.5 kg



R Bend - Right

- Item supplied is assembled with sliderail

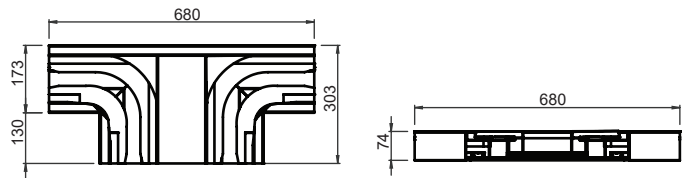
Item Code	Material	Supply	Weight
EL-LCA□-BRL	Aluminium 6063	1 unit	3.5 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



T Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
EL-LCA□-BT	Aluminium 6063	1 unit	4.1 kg

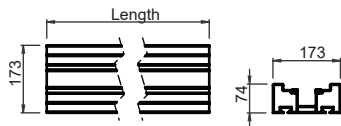


- AP
- TR
- FIN
- SLL
- SLM
- SLS
- SML
- SMS
- EMS
- ELS
- MAG
- PHR
- FDR
- EDS
- DDS
- BDS
- TDS
- SR
- HWS
- DDC
- RMS
- SFS
- DW
- DWS
- IM
- MM

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section



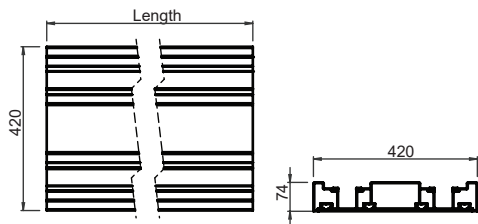
Straight Section - Single

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
EL-LSA□-C 2.4	Aluminium 6063	1 unit	12.4 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
EL-LSA□-C ◊	Aluminium 6063	1 unit	-



Straight Section - Double

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
EL-LDA□-C 2.4	Aluminium 6063	1 unit	25.1 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
EL-LDA□-C ◊	Aluminium 6063	1 unit	-

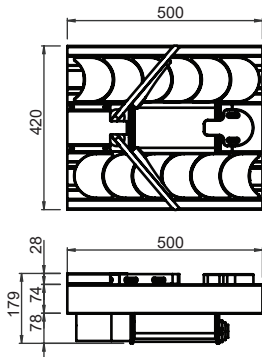


□ Indicates available finishing options, Kindly refer to page 27.

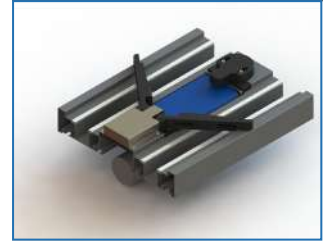
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

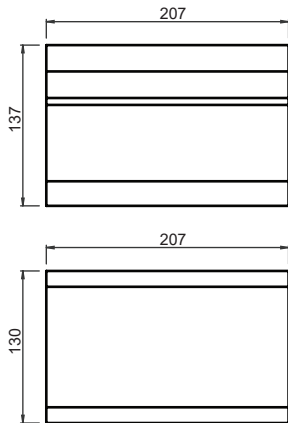
Transfer Belt Frame



Transfer Belt Frame Assembly



Item Code	Material	Supply	Weight
EL-LDA□-RT	Mild Steel	1 pc	12 kg

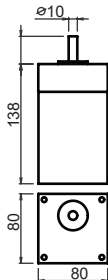


SL Belt

- PU Belt 207(W) x 450(L),
- Blue Colour, Endless



Item Code	Material	Supply	Weight
CTB-PUB-450	Polyurethane	1 pc	0.1 kg



SPG 25W Induction Motor with Speed Controller

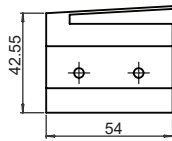


Item Code	Material	Supply	Weight
SPG-S8KA20B1	-	1 pc	2.3 kg

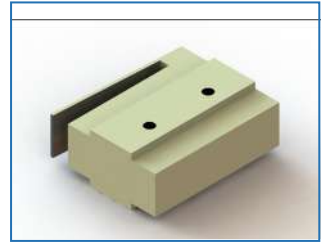
□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

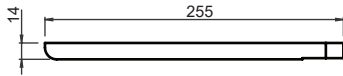
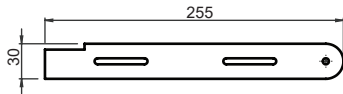
Transfer Belt Accessories



Limit Switch



Item Code	Material	Supply	Weight
XLM-LMTB-001	-	1 pc	0.1 kg

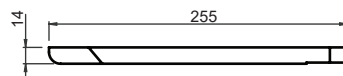
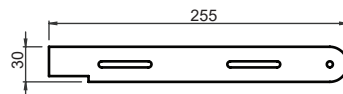


Arm Rotary - Left

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XLM-ARM-L	Polyethylene (PE) 500	1 pc	0.1 kg



Arm Rotary - Right

- Included in assembly of bend section.



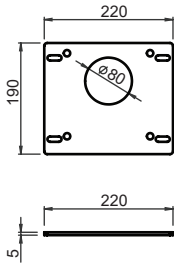
Item Code	Material	Supply	Weight
XLM-ARM-R	Polyethylene (PE) 500	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Mounting Plate

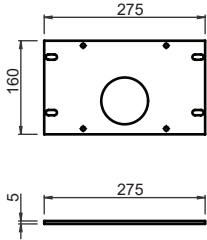


**Motor Mounting Plate
90° Single**

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
XEL-SMMP-001	Mild Steel	1 pc	1.4 kg



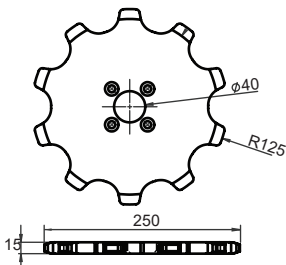
**Motor Mounting Plate
180° Double**

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
XEL-DMMP-001	Mild Steel	1 pc	1.5 kg

Drive Sprocket



Sprocket PCD 246

- PCD: 246mm
- Teeth: 10

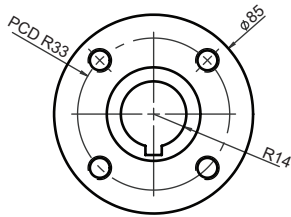


Item Code	Material	Supply	Weight
CCP-SPRKT-246	Nylon	1 pc	0.6 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

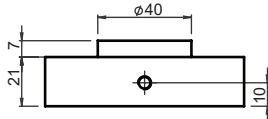
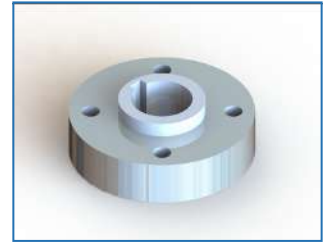
Units: Dimension (mm)

Sprocket Hub



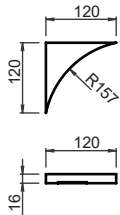
Sprocket Hub

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
CCP-SB-D28	Mild Steel	1 pc	0.8 kg

Chain Guide

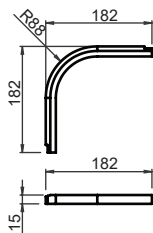


90° Bend Outer Top Guide

- Included in assembly of bend section.
- Suitable for single and double bend



Item Code	Material	Supply	Weight
XEL-CG90-001	Polyethylene (PE) 500	1 pc	0.06 kg



90° Bend Inner Bottom Guide

- Included in assembly of bend section.
- Suitable for single and double bend

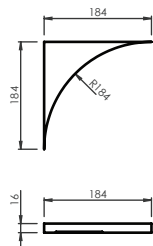


Item Code	Material	Supply	Weight
XEL-CG90-002	Polyethylene (PE) 500	1 pc	0.07 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

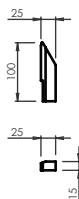


180° Bend - Double Outer Chain Guide

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEL-CGIE-002	Polyethylene (PE) 1000	1 pc	0.1 kg

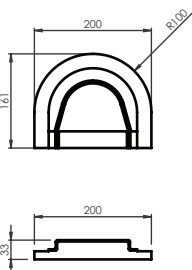


180° Bend Inner Chain Guide

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEL-CGIE-003	Polyethylene (PE) 1000	1 pc	0.03 kg



Idler Unit Guide - Double

- Included in assembly of bend section.

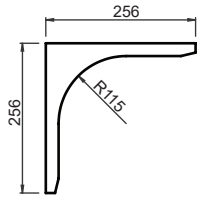


Item Code	Material	Supply	Weight
XEL-CGIE-001	Polyethylene (PE) 1000	1 pc	0.6 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

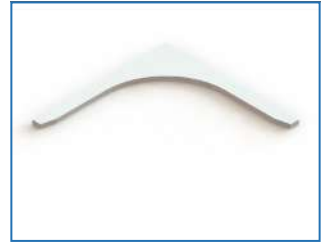
Units: Dimension (mm)

Slide Rail

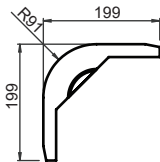


90° Bend , Outer Slide Rail

- Included in assembly of bend section.
- Suitable for single and double bend

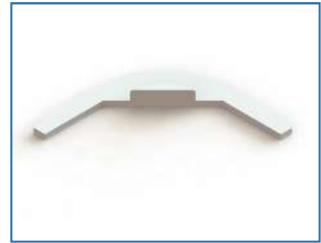


Item Code	Material	Supply	Weight
XEL-SR90-001	Polyethylene (PE) 1000	1 pc	0.1 kg

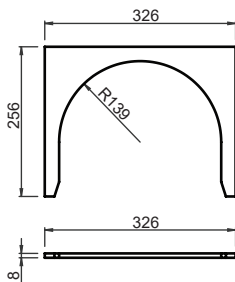


90° Bend , Inner Slide Rail

- Included in assembly of bend section.
- Suitable for single and double bend

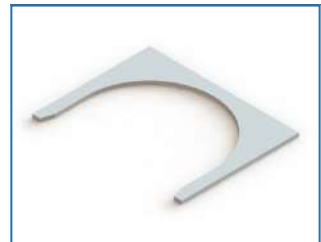


Item Code	Material	Supply	Weight
XEL-SR90-001	Polyethylene (PE) 1000	1 pc	0.11 kg



180° Bend , Outer Slide Rail

- Included in assembly of bend section.

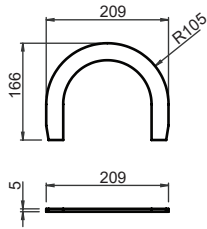


Item Code	Material	Supply	Weight
XEL-SRIE-001	Polyethylene (PE) 1000	1 pc	0.2 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

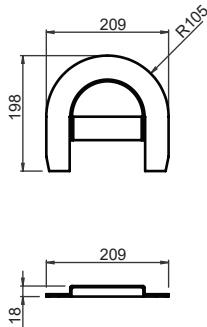


180° Bend , Inner Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEL-SRIE-001	Polyethylene (PE) 1000	25m/roll	0.1 kg



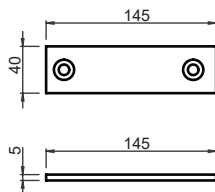
Drive Unit Inner Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEL-SRD-001	Polyethylene (PE) 1000	1 pc	0.3 kg

Connecting Plate



Single Connecting Plate

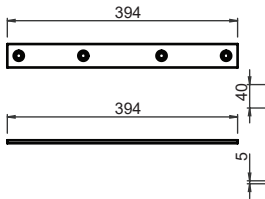
- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XEL-SCP-001	Polyethylene (PE) 1000	1 pc	0.08 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



Double Connecting Plate

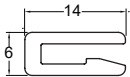
- Included in assembly of straight section.



Item Code	Material	Supply	Weight
XEL-DCP-001	Polyethylene (PE) 1000	1 pc	0.2 kg

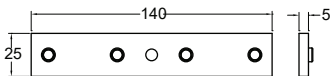
Slide Rail - Roll

Slide Rail



Item Code	Material	Color	Weight	Supply
MS SR 25	HDPE	Pure White	1.2 kg	25m/roll
MS SR 25A	Anti-Static	Grey	1.2 kg	25m/roll
MS SR 25P	PVDF	Natural White	2.7 kg	25m/roll

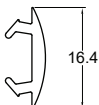
Connecting Strip



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

- 4 pcs M8 set screw included.

T-Slot Cover



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

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

MODU MAGNETIC SYSTEM



Technical Characteristics

Dimensions

	Width	Height
Single Lane	170 / 173 mm	65 / 74 mm
Double Lane	376 / 420 mm	65 / 74 mm

Chain

Type	MODU SL / SM Chain
Width	85 mm / 114mm
Colour	White

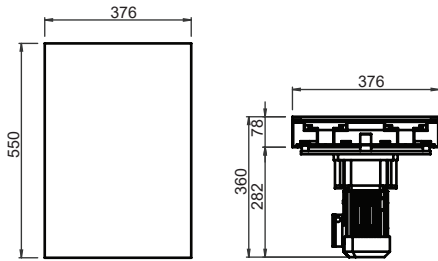
Sprocket

PCD	205 / 246mm
Teeth	10T

Contents

Drive Unit	150	Surface Finish Characteristic.....	153
Bend Section	150	Conveyor Sizes	153
Idler Unit	151	Surface Top	153
Glass Surface	151		
Chain Guide.....	152		
Carrier.....	152		
Magnet.....	152		
Plate Carrier Base	153		

Drive Unit



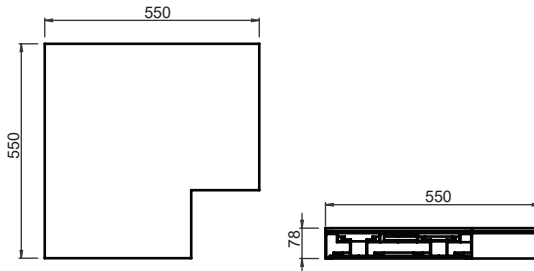
Magnetic Drive Unit

- Item supplied is assembled with sliderail
- Suitable for EL and EM Conveyor Series

Item Code	Material	Supply	Weight
EM-GDA□-D	-	1 unit	18.5 kg



Bend Section



90° Magnetic Bend

- Item supplied is assembled with sliderail
- Suitable for EL and EM Conveyor Series

Item Code	Material	Supply	Weight
EM-GDA□-B90	-	1 unit	15.4 kg

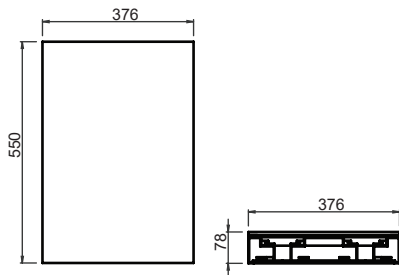


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

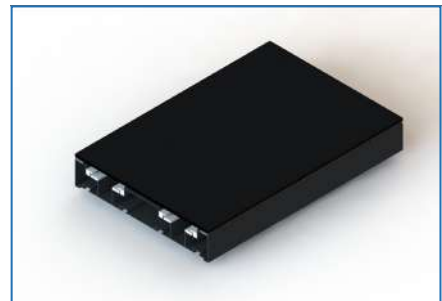
Idler Unit



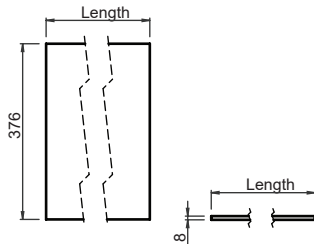
Magnetic Idler Bend

- Item supplied is assembled with sliderail
- Suitable for EL and EM Conveyor Series

Item Code	Material	Supply	Weight
EM-GDA□-IE	-	1 unit	14.8 kg



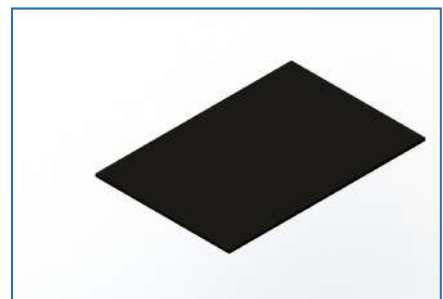
Glass Surface



180° Glass

- Item supplied is assembled with sliderail
- Suitable for EL and EM Conveyor Series
- L=550 x W=376

Item Code	Material	Supply	Weight
XMG-TGEM-Lx.x	-	1 unit	4.1 kg

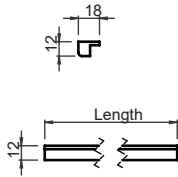


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Chain Guide



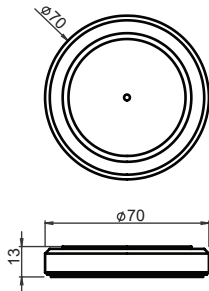
Chain Securing

- Included in assembly of bend section.
- Suitable for EL and EM Conveyor Series
- L=2400mm



Item Code	Material	Supply	Weight
XMG-CSEM-Lx.x	Polyethylene (PE) 500	1 pc	0.3 kg

Carrier



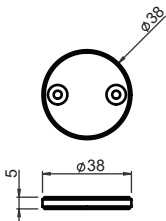
5.5 inch - Carrier

- Included in assembly of magnetic system.
- Suitable for EL and EM Conveyor Series



Item Code	Material	Supply	Weight
XMG-CARR-5.5	-	1 pc	0.1 kg

Magnet



Magnet Dia. 38x5mm

- Included in assembly of magnetic system.
- Suitable for EL and EM Conveyor Series



Item Code	Material	Supply	Weight
CCP-MAG-38	-	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



Conveyor Sizes

EM Series

376 mm (W) , 65 mm (H)

EL Series

420 mm (W) , 74mm (H)

Surface Top

Tempered Glass

Quartz

Plate Carrier Base

Dimension	Material	Colour	Magnet
86 mm (W) 21 mm (H)	HDPE	Black	38 mm (D) 5 mm (H)

Surface Finish Characteristic



Quartz

- Man-made: 85% - 95% Crushed Quarts with resin binder
- Highly scratch resistant
- Polish finish consistent and uniform color and patterning



Tempered Glass

- Toughened glass that has been treated by heat or chemicals to increase strength
- Scratches easily, difficult to restore
- Based on choice of color

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

PHARMACY CONVEYOR SERIES



Technical Characteristics

Dimensions

	Width	Height
Single Lane	230mm	100mm
Double Lane	950mm	100mm

Chain

Type	MODU SL Chain
Width	114mm
Colour	White

Sprocket

PCD	625mm
Teeth	24T

Contents

Drive Unit	156	Emergency Stop	161
Single Bend	157	Slide Rail - Single	162
Double Bend	157	Slide Rail - Double	162
Straight Section	159	Slide Rail - Roll	164
Mounting Plate	160		
Drive Sprocket	160		
Sprocket Hub	160		
Basket	161		

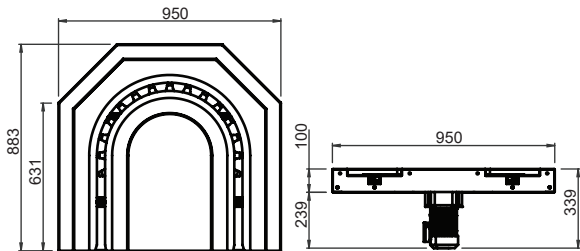
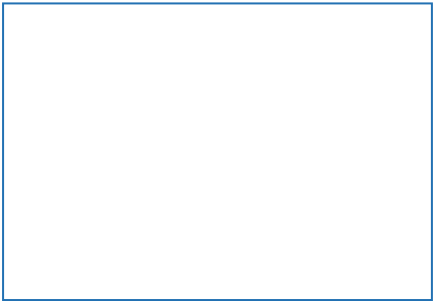
AP
TR
FIN
SLL
SLM
SLS
SML
SMS
EMS
ELS
MAG
PHR
FDR
EDS
DDS
BDS
TDS
SR
HWS
DDC
RMS
SFS
DW
DWS
IM
MM

Drive Unit

90° Drive Unit

- Item supplied is assembled with sliderail

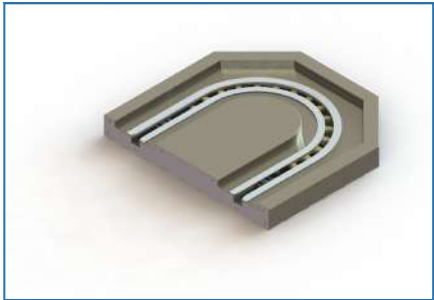
Item Code	Material	Supply	Weight
SL-PS3□-D	Stainless Steel 304	1 unit	-



180° Drive Unit

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-PD3□-D	Stainless Steel 304	1 unit	38.4 kg



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

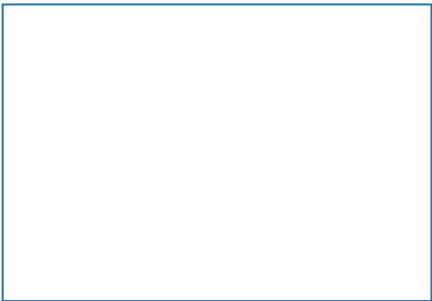
Units: Dimension (mm)

Single Bend

90° Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-PS3□-B90	Stainless Steel 304	1 unit	-

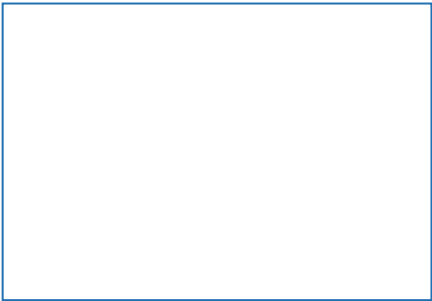


Double Bend

90° Bend

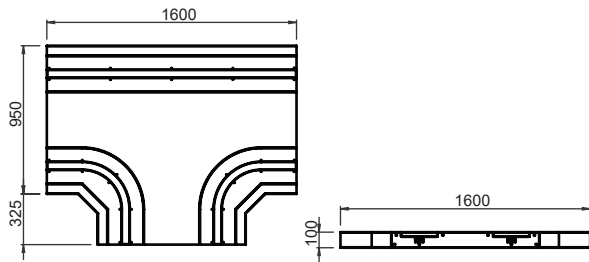
- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-PD3□-B90	Stainless Steel 304	1 unit	-



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

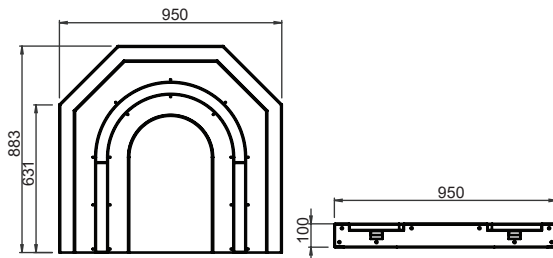
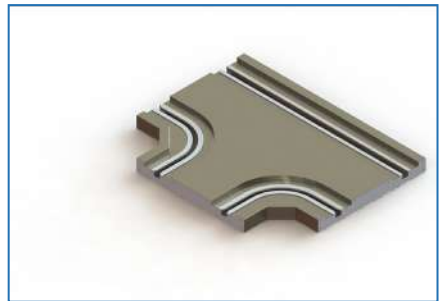
Units: Dimension (mm)



T Bend

- Item supplied is assembled with sliderail

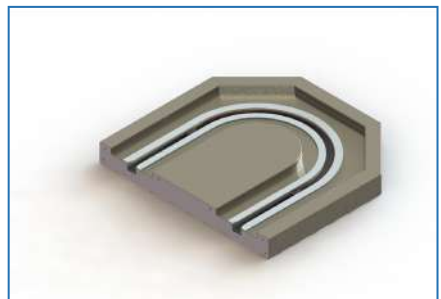
Item Code	Material	Supply	Weight
SL-PD3□-BT	Stainless Steel 304	1 unit	34.8 kg



180° Idler Bend

- Item supplied is assembled with sliderail

Item Code	Material	Supply	Weight
SL-PD3□-IE	Stainless Steel 304	1 unit	18.4 kg



□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section

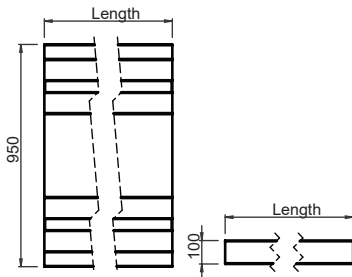
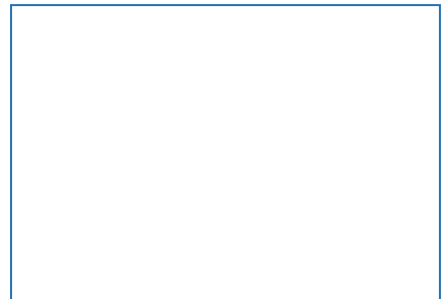
Straight Section - Single

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SL-PS3□-C 2.4	Stainless Steel 304	1 unit	23.6 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SL-PS3□-C ◇	Stainless Steel 304	1 unit	-



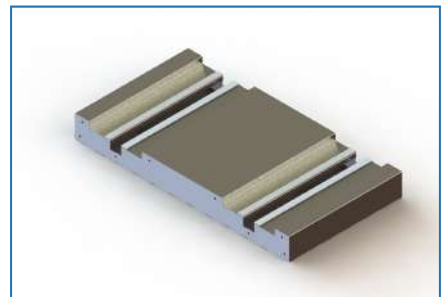
Straight Section - Double

- Item supplied is assembled with sliderail
- Minimum order length: 250mm

Item Code	Material	Supply	Weight
SL-PD3□-C 2.4	Stainless Steel 304	1 unit	42.2 kg

- Note: If beam length is other than 2.4m the part number will change accordingly.

Item Code	Material	Supply	Weight
SL-PD3□-C ◇	Stainless Steel 304	1 unit	-

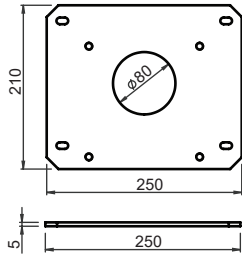


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

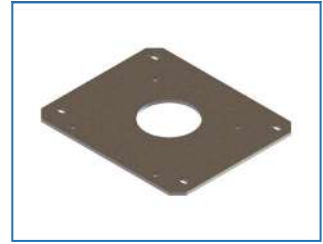
Units: Dimension (mm)

Mounting Plate



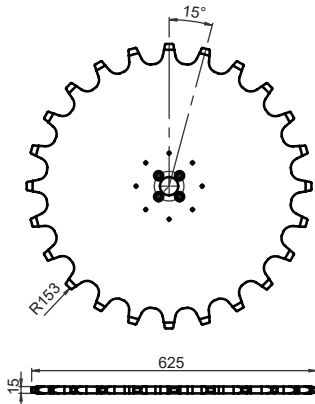
Motor Mounting Plate

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



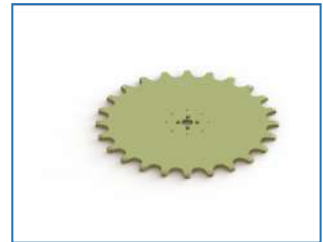
Item Code	Material	Supply	Weight
CCP-MMP-001	Mild Steel	1 pc	1.7 kg

Drive Sprocket



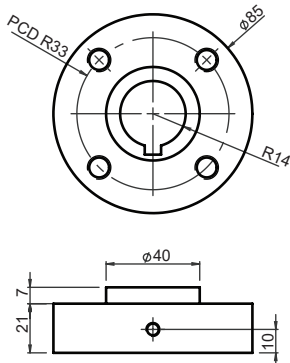
Sprocket PCD 625

- PCD: 625mm
- Teeth: 24



Item Code	Material	Supply	Weight
XPB-SPRKT-625	Polyethylene 500	1 pc	4.4 kg

Sprocket Hub



Sprocket Hub

- Suitable for Sumitomo 0.2 kW / 0.4kW
- Additive Finishing: Blue Zinc



Item Code	Material	Supply	Weight
CCP-SB-D28	Nylon	1 pc	0.8 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Basket

Basket

- -to add

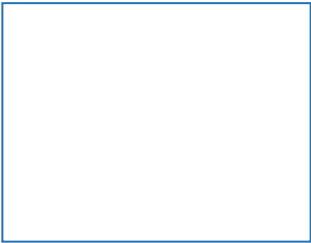


Item Code	Material	Supply	Weight
-	-	1 pc	-

Emergency Stop

Emergency Stop

- to add



Item Code	Material	Supply	Weight
-	-	1 pc	-

- AP
- TR
- FIN
- SLL
- SLM
- SLS
- SML
- SMS
- EMS
- ELS
- MAG
- PHR
- FDR
- EDS
- DDS
- BDS
- TDS
- SR
- HWS
- DDC
- RMS
- SFS
- DW
- DWS
- IM
- MM

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Slide Rail - Single**90° Bend , Outer Slide Rail**

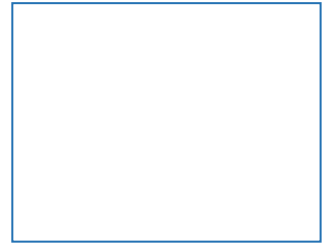
- Included in assembly of bend section.



Item Code	Material	Supply	Weight
-	Polyethylene (PE) 1000	1 pc	-

90° Bend , Inner Slide Rail

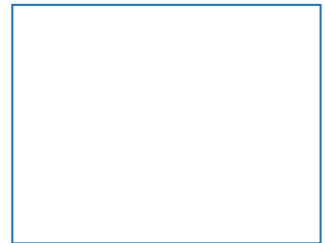
- Included in assembly of bend section.



Item Code	Material	Supply	Weight
-	Polyethylene (PE) 1000	1 pc	-

Slide Rail - Double**90° Bend , Outer Slide Rail
Type-1**

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XPB-DSR90-001	Polyethylene (PE) 1000	1 pc	-

□ Indicates available finishing options, Kindly refer to page 27.

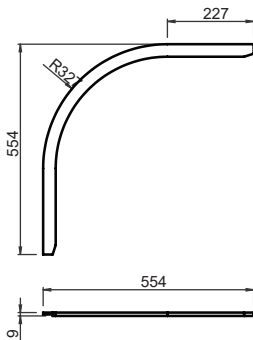
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

90° Bend , Inner Slide Rail Type-1

- Included in assembly of bend section.

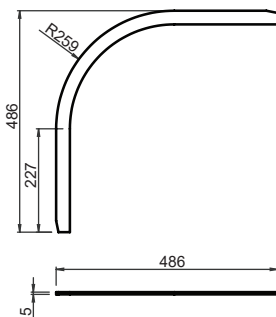
Item Code	Material	Supply	Weight
XPB-DSR90-002	Polyethylene (PE) 1000	1 pc	-



90° Bend , Outer Slide Rail Type-2

- Included in assembly of bend section.

Item Code	Material	Supply	Weight
XPB-DSR90-003	Polyethylene (PE) 1000	1 pc	0.2 kg



90° Bend , Inner Slide Rail Type-2

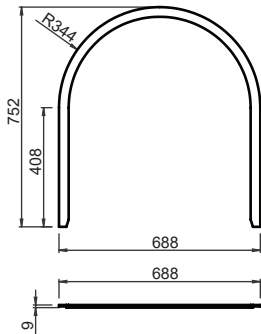
- Included in assembly of bend section.

Item Code	Material	Supply	Weight
XPB-DSR90-004	Polyethylene (PE) 1000	1 pc	0.1 kg



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

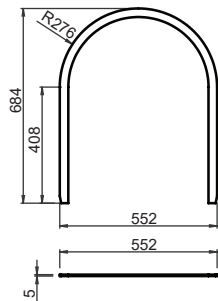


180° Bend , Outer Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XPB-DSR180-001	Polyethylene (PE) 1000	1 pc	0.4 kg



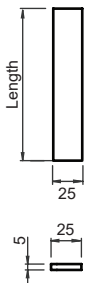
180° Bend , Inner Slide Rail

- Included in assembly of bend section.



Item Code	Material	Supply	Weight
XPB-DSR180-002	Polyethylene (PE) 1000	1 pc	0.2 kg

Slide Rail - Roll



Slide Rail

- Included in assembly of straight section.



Item Code	Material	Supply	Weight
SL - SR25	Polyethylene (PE) 1000	25m/roll	2.8 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

MODU FOOD DELIVERY ROBOT

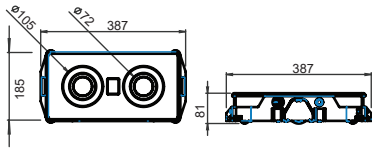


Contents

Food Delivery Robot (FDR)	166	Tablet Bracket.....	171
L Bend	166	Charging	171
T Bend	167	Connection	171
R Bend - Right	167	Robot.....	172
R Bend - Left	168	Control System	172
Straight Section	169	Safety	172
End Plate	169	Charging Station.....	172
Support Bracket.....	170	Wi-Fi	173
Charging Station.....	170	Notification.....	173
Tray Attachment	170	LED Indicator.....	173

AP
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SLM
SLS
SML
SMS
EMS
ELS
MAG
MSC
FDR
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BDS
TDS
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HWS
DDC
RMS
SFS
DW
DWS
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MM

Food Delivery Robot (FDR)

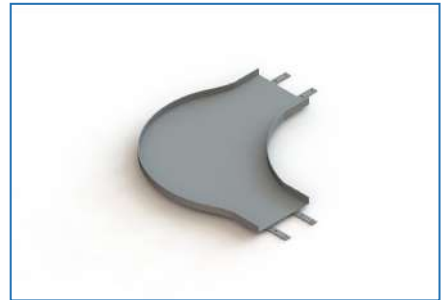
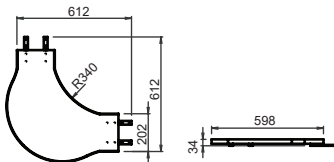


FDR Version 2020

- to add

Item Code	Material	Colour	Supply	Weight
FDR-CAR-2020	-	-	1 unit	5 kg

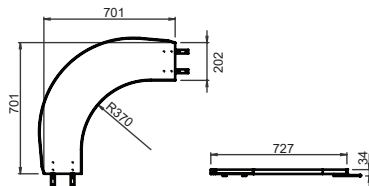
L Bend



90° Small Bend

- Powder Coat finishing
- Average speed is 17m/min

Item Code	Material	Colour	Supply	Weight
XRD-90□-R300	Zinc	RAL 9006	1 unit	6.6 kg



90° Big Bend

- Powder Coat finishing
- Average speed is 23m/min

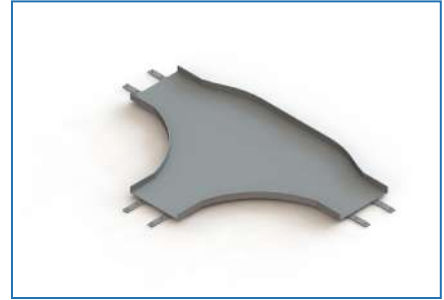
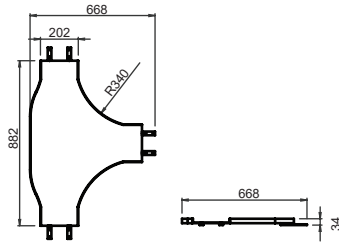
Item Code	Material	Colour	Supply	Weight
XRD-90□-R400	Zinc	RAL 9006	1 unit	7.5 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

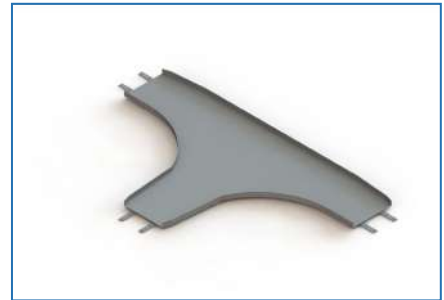
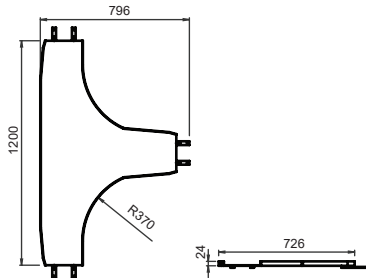
T Bend



T Small Bend

- Powder Coat finishing
- Average speed is 17m/min

Item Code	Material	Colour	Supply	Weight
XRD-BT□-R300	Zinc	RAL 9006	1 unit	9.2 kg

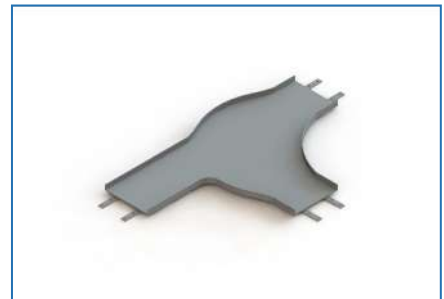
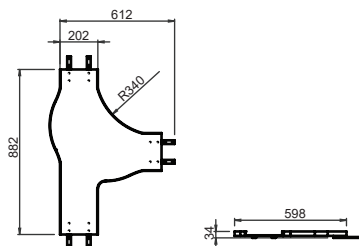


T Big Bend

- Powder Coat finishing
- Average speed is 23m/min

Item Code	Material	Colour	Supply	Weight
XRD-BT□-R400	Zinc	RAL 9006	1 unit	12.5 kg

R Bend - Right



R Small Bend - Right

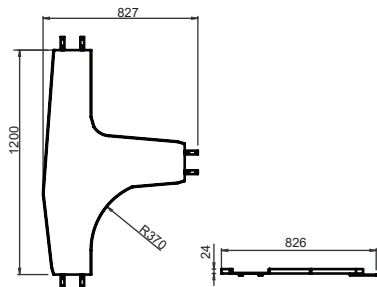
- Powder Coat finishing
- Average speed is 17m/min

Item Code	Material	Colour	Supply	Weight
XRD-BR□-R300	Zinc	RAL 9006	1 unit	8.7 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

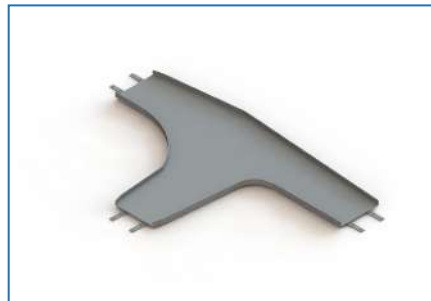
Units: Dimension (mm)



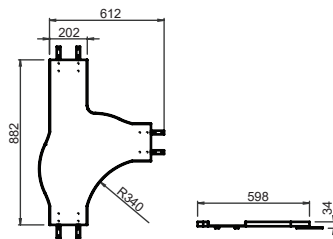
R Big Bend - Right

- Powder Coat finishing
- Average speed is 23m/min

Item Code	Material	Colour	Supply	Weight
XRD-BR□-R400	Zinc	RAL 9006	1 unit	12.4 kg



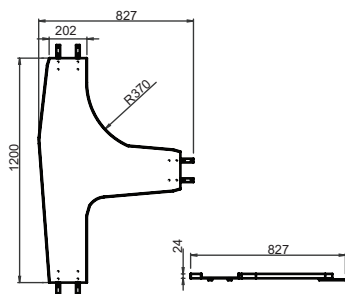
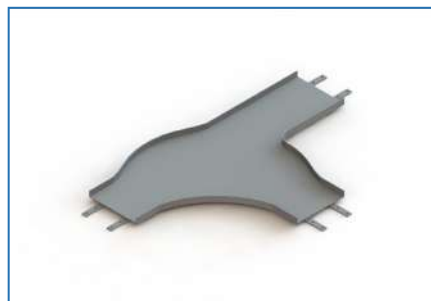
R Bend - Left



R Small Bend - Left

- Powder Coat finishing
- Average speed is 17m/min

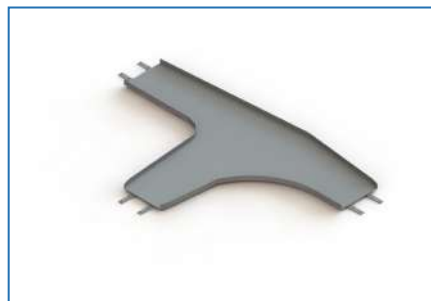
Item Code	Material	Colour	Supply	Weight
XRD-BL□-R300	Zinc	RAL 9006	1 unit	8.7 kg



R Big Bend - Left

- Powder Coat finishing
- Average speed is 23m/min

Item Code	Material	Colour	Supply	Weight
XRD-BL□-R400	Zinc	RAL 9006	1 unit	12.4 kg

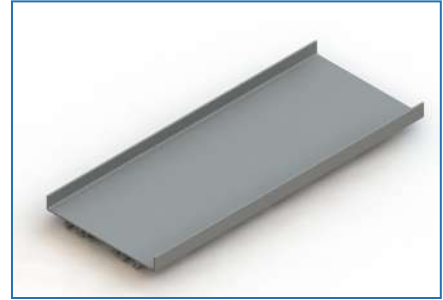
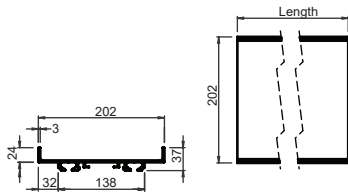


□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section

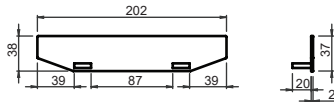


Straight Section

- Powder Coat finishing
- Average speed is 50m/min

Item Code	Material	Colour	Supply	Weight
XRD-SS□-Lx.x	Aluminium	RAL 9006	1 unit	8.4 kg

End Plate



End Plate

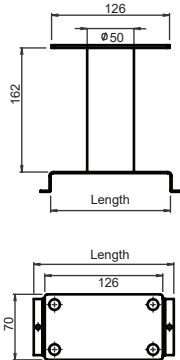
- Powder Coat finishing

Item Code	Material	Colour	Supply	Weight
XRD-EP□-001	Zinc	RAL 9006	1 unit	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Support Bracket

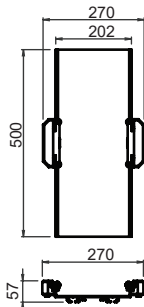


Support Bracket



Item Code	Material	Finishing	Supply	Weight
XRD-SB□-001	Stainless Steel	Hairline	1 unit	0.5 kg

Charging Station



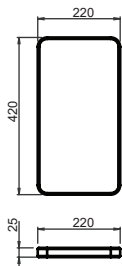
Charging Dock

- Comes with charging adapter
- Wires to run beneath the tracks



Item Code	Material	Colour	Supply	Weight
XRD-CS□-001	-	-	1 unit	1.5 kg

Tray Attachment



Optional - Tray

- to add



Item Code	Material	Colour	Supply	Weight
XRD-TY-001	ABS	-	1 unit	0.4 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Tablet Bracket

Tablet Bracket

- rotatable bracket



Item Code	Material	Colour	Supply	Weight
XRD-TB-SM19	Stainless Steel	-	1 unit	0.6 kg

Charging

Adapter

- Included in charging station



Item Code	Material	Colour	Supply	Weight
-	-	-	1 unit	-

Connection

Wi-Fi Router

- Asus RT-N12 model or equivalent



Item Code	Material	Colour	Supply	Weight
XRD-RT-N12	-	-	1 unit	0.3 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

MODU FOOD DELIVERY ROBOT - TECHNICAL SPECIFICATIONS

Robot

Technical Part	Details
Battery	Rechargeable LiFePO4 - Lithium Iron Phosphate
Battery Capacity	6000mA hours
Power Consumption	Average 10 W (Charging time: approximately 4 hours when the battery starts charging from the empty state)
Dimension	Width 184mm x Length: 378mm x Height 80mm
Weight	5 kgs
Build Material	ABS Plastic
Work Load	5 kgs
Working Speed	Up to 50m/min
Motor Type	14W, 2 units servo motor
Motor Origin	Germany
Guidance	Magnetic markers
Charging Availability	Automatic charging/ manual charging
Return	Soft touch button/ automatic detection by plate sensor

Control System

Main Board	Single PCB assembly
Type	Raspberry pi compute module 3+ GCM2837 processor at up to 1.2GHz with IGBYTE RAM

Safety

Sensors	Front & Back Safety Sensors for obstacle detection
Bumpers	Front & Back Mechanical safety bumpers

Charging Station

Input	AC 110V - 240V 50Hz - 60Hz
Output	24V 2.0A
Indicator	Red LED light for charging indication

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

MODU FOOD DELIVERY ROBOT - TECHNICAL SPECIFICATIONS

Wi-Fi

Technology	802.11n wireless technology
Security	WPA2 encryption
Band	2.4GHz

Notification

LED	LED light illuminate on side of delivery
Voice	WAV

LED Indicator

Red	Alert
White	Moving forward / backward
Orange	Notification of food arrival

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MODU EXPRESS DELIVERY SYSTEM

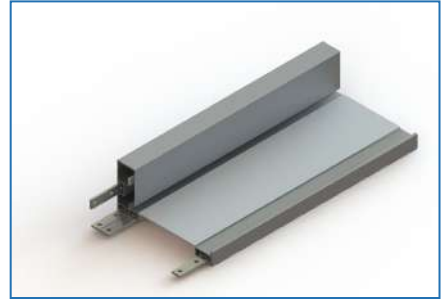
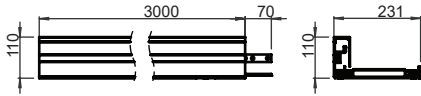


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AP
TR
FIN
SLL
SLM
SLS
SML
SMS
EMS
ELS
MAG
MSC
FDR
EDS
DDS
BDS
TDS
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RMS
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MM

Straight Section

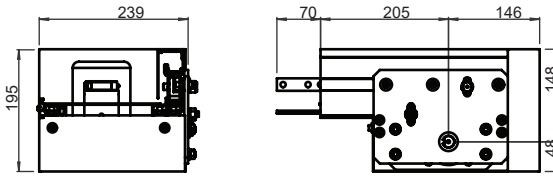


Straight Section Assembly

- comes with connecting strip

Item Code	Material	Supply	Weight
EDS-SS□-L3.0	Aluminium	1 unit	13.3 kg

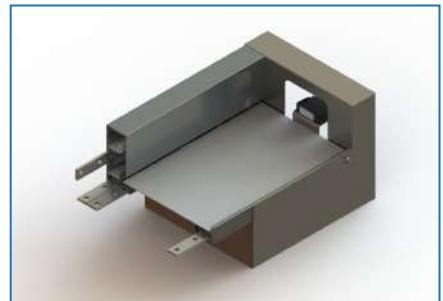
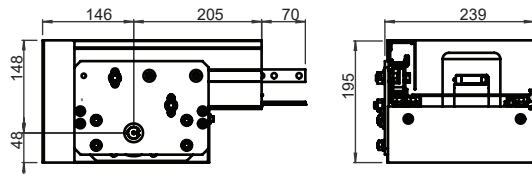
Drive



EDS Drive Assembly Right

- comes complete with servo motor and sprockets

Item Code	Material	Supply	Weight
EDS-DR□-R	Aluminium	1 unit	15.5 kg



EDS Drive Assembly Left

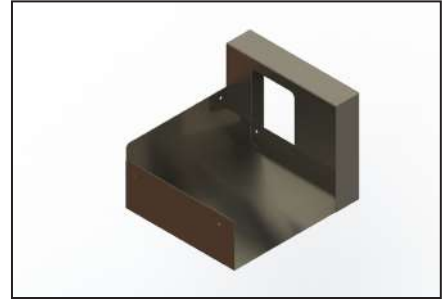
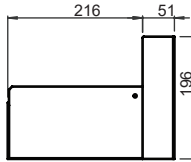
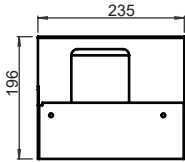
- comes complete with Servo Motor and sprockets

Item Code	Material	Supply	Weight
EDS-DR□-L	Aluminium	1 unit	15.5 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

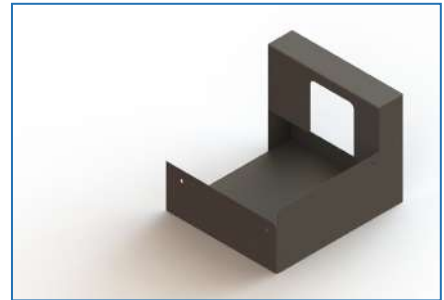
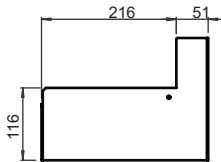
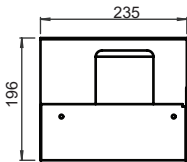
Units: Dimension (mm)



Drive Cover Left

- Cover to close Servo Motor

Item Code	Material	Supply	Weight
XED-DCOVR-L	Stainless Steel	1 unit	1.4 kg

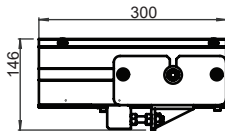
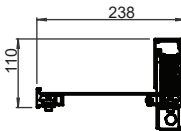


Drive Cover Right

- Cover to close Servo Motor

Item Code	Material	Supply	Weight
XED-DCOVR-R	-	1 unit	1.4 kg

Idler



EDS Idler Assembly Right

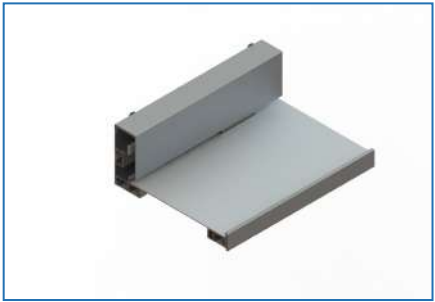
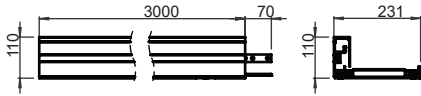
- Comes complete with sprocket and tensioner

Item Code	Material	Supply	Weight
EDS-IE□-R	Aluminium	1 unit	2.5 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



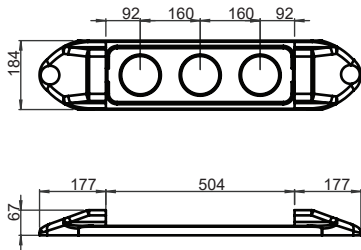
EDS Idler Assembly

Left

- Comes complete with sprocket and tensioner

Item Code	Material	Supply	Weight
EDS-IE□-L	Aluminium	1 unit	2.5 kg

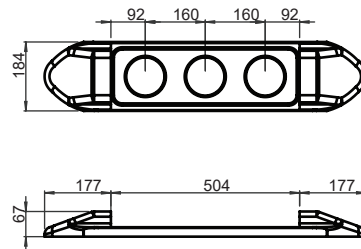
Carrier - 3 Plate



3 Plate Carrier With Plate Step and Sensor Hole

- Comes with Sticker artwork.
- Color can be selected

Item Code	Material	Supply	Weight
XED-CAR3-WSWH	PVC	1 unit	0.6 kg



3 Plate Carrier With Plate Step and Without Sensor Hole

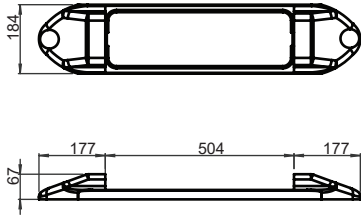
- Comes with Sticker artwork.
- Color can be selected

Item Code	Material	Supply	Weight
XED-CAR3-WSNH	PVC	1 unit	0.6 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

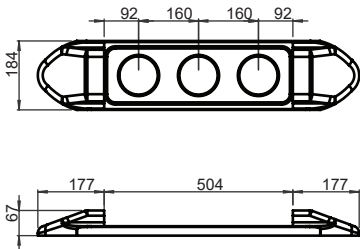
Units: Dimension (mm)



3 Plate Carrier Without Plate Step and With Sensor Hole

- Comes with Sticker artwork.
- Color can be selected

Item Code	Material	Supply	Weight
XED-CAR3-NSWH	PVC	1 unit	0.6 kg

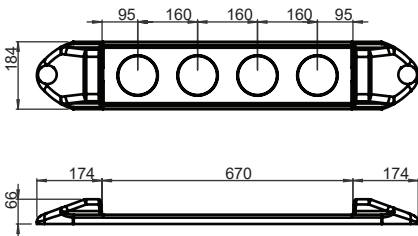


3 Plate Carrier Without Plate Step and Sensor Hole

- Comes with Sticker artwork.
- Color can be selected

Item Code	Material	Supply	Weight
XED-CAR3-NSNH	PVC	1 unit	0.6 kg

Carrier - 4 Plate



4 Plate Carrier With Plate Step and Sensor Hole

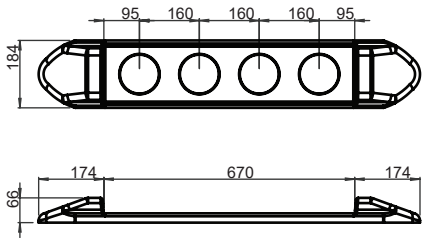
- Comes with Sticker artwork.
- Color can be selected

Item Code	Material	Supply	Weight
XED-CAR4-WSWH	PVC	1 unit	0.7 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



4 Plate Carrier With Plate Step and Without Sensor Hole

- Comes with Sticker artwork.
- Color can be selected

Item Code	Material	Supply	Weight
XED-CAR4-WSNH	PVC	1 unit	0.7 kg

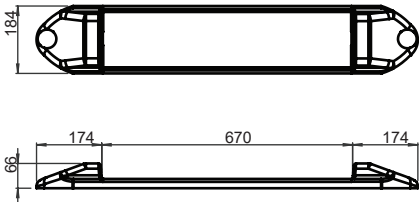
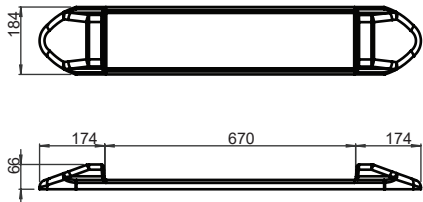


Plate Carrier Without Plate Step and With Sensor Hole

- Comes with Sticker artwork.
- Color can be selected

Item Code	Material	Supply	Weight
XED-CAR4-NSWH	PVC	1 unit	0.7 kg



4 Plate Carrier Without Plate Step and Sensor Hole

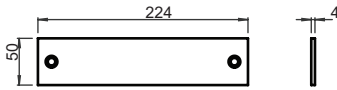
- Comes with Sticker artwork.
- Color can be selected

Item Code	Material	Supply	Weight
XED-CAR4-NSNH	PVC	1 unit	0.7 kg

□ Indicates available finishing options, Kindly refer to page 27.
 Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

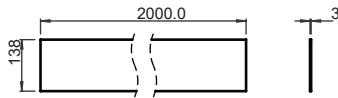
Straight Section Accessories



Single Support Bracket

- Connection plate between main frame and side track

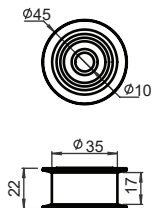
Item Code	Material	Supply	Weight
XED-CP-001	Aluminium	1 pc	0.4 kg



Acrylic Bottom Track

Item Code	Material	Supply	Weight
XED-ACRBT-001	Acrylic	1 pc	0.8 kg

Drive Accessories

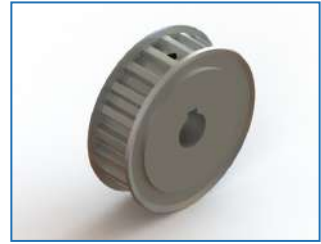
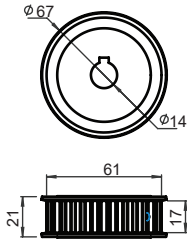


Belt Backside Tensioning

Item Code	Material	Supply	Weight
XED-PULBT-D22	Aluminium	1 pc	-

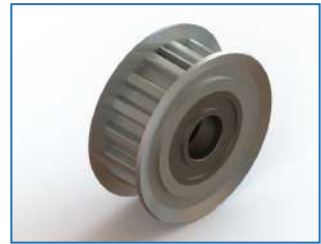
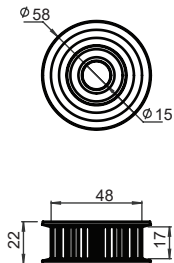
□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



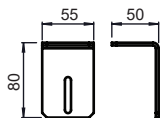
Pulley T10

Item Code	Material	Supply	Weight
XED-PUL-D20	Aluminium	1 pc	-



Idler T10

Item Code	Material	Supply	Weight
XED-PULT-D16	Aluminium	1 pc	-



Sensor Bracket

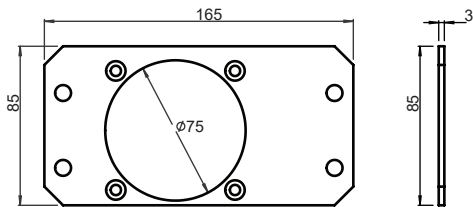
- For Plate Sensor

Item Code	Material	Supply	Weight
XED-SENB-LSR	Stainless Steel	1 pc	0.2 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

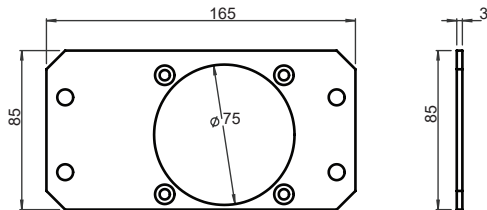
Units: Dimension (mm)



Motor Plate Mounting Right

- For Servo Motor

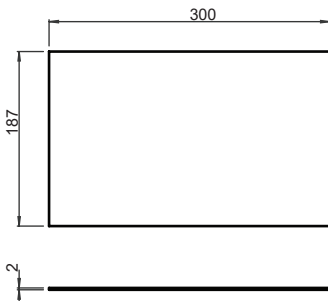
Item Code	Material	Supply	Weight
XED-MMP-R	Stainless Steel	1 pc	0.2 kg



Motor Plate Mounting Left

- For Servo Motor

Item Code	Material	Supply	Weight
XED-MMP-L	Stainless Steel	1 pc	0.2 kg



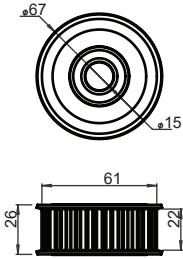
Drive Arcylic Cover

Item Code	Material	Supply	Weight
XED-ACRD-001	Acrylic	1 pc	0.1 kg

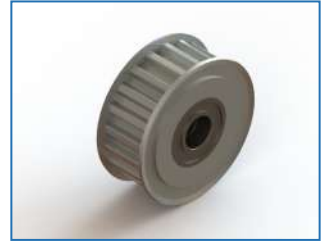
□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

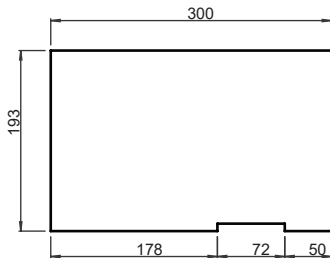
Idler Accessories



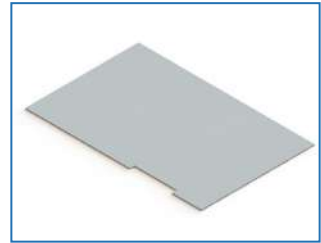
Pulley Teeth 20
OD61.8 / ID15



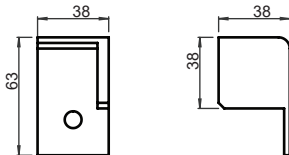
Item Code	Material	Supply	Weight
XED-PUL-IE20	Aluminium	1 pc	-



Top Track
Idler Cover



Item Code	Material	Supply	Weight
XED-ARCIE-001	Acrylic	1 pc	0.1 kg



Tension Bracket
Right

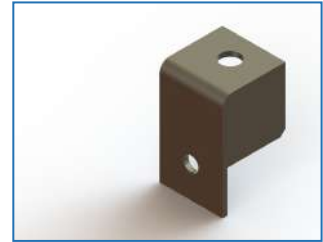
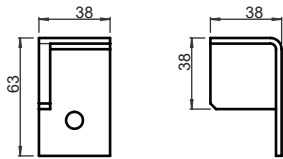


Item Code	Material	Supply	Weight
XED-MANT-R	Stainless Steel	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

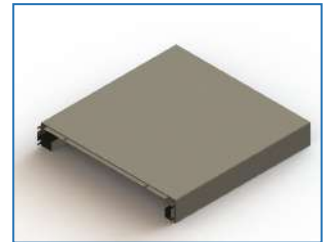
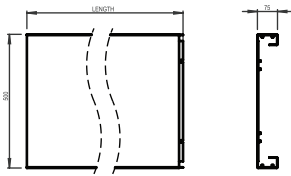
Units: Dimension (mm)



**Tension Bracket
Left**

Item Code	Material	Supply	Weight
XED-MANT-L	Stainless Steel	1 pc	0.1 kg

Shadding

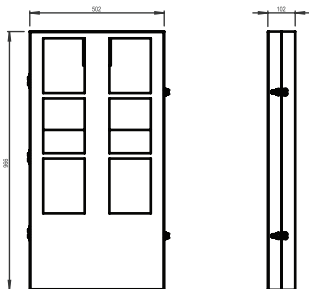


**Straight Section
Shadding**

- Top cover for lighting purpose

Item Code	Material	Supply	Weight
XDP-SHADE-Cx.x	Stainless Steel	1 pc	11 kg

HMI Door



HMI Door Cabinet

- Available for 2, 4, or 6 units of HMI

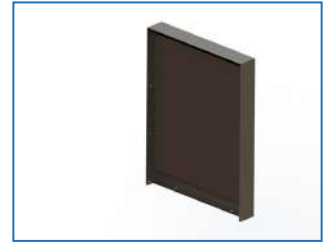
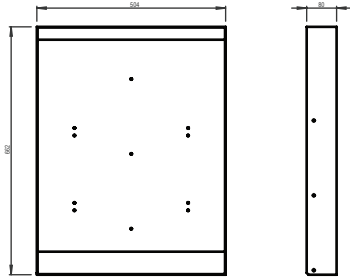
Item Code	Material	Supply	Weight
XDP-HMICB-6	Stainless Steel	1 pc	11.1 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

End Cover

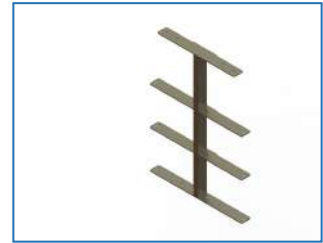
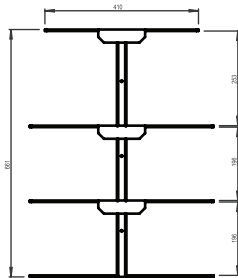


End Cover

- Available up to 3 tier assembly

Item Code	Material	Supply	Weight
XDP-ECOV-001	Stainless Steel	1 pc	9.7 kg

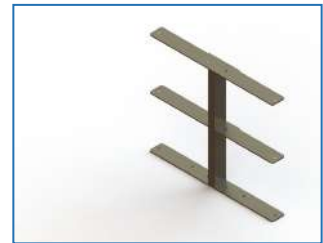
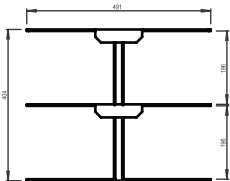
Support Bracket



3 - Tier Support Bracket

- To hold delivery tracks

Item Code	Material	Supply	Weight
XED-SUPB-3	Stainless Steel	1 pc	4.3 kg



2 - Tier Support Bracket

- To hold delivery tracks

Item Code	Material	Supply	Weight
XED-SUPB-2	Stainless Steel	1 pc	3.2 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Wheels

Technical Part	Details
Bearing Material	Steel (SUJ2)
Surface Material	Urethane
Operating Environment	Standard (for light loads)
Width B (mm)	5
Allowable load Range (N)	4.0 ~ 20.0
Hardness	Shore A50
Outer Ring Type	Flat Type
Mounting Type	Hole
Outer Dia.	20
Inner Dia.	5
Allowable load (N)	9
Colour	Black



Belt Join

Technical Part	Details
Belt Shape	Belt Clamp Plate
Belt Width (mm)	15mm
Belt Type	T10
Material	Aluminium



Belt T10-15

Technical Part	Details
Belt Shape	Open End
Belt Shape, Type	T10
Belt Material	Polyurethane
Core Wire Material	Aramid
RoHS	10
Properties	Standard
Belt Nominal Width (Inch)	15



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Home Sensor

Technical Part	Details
Switching Function	Normally Open (NO)
Output Type	NPN
Rated Operating Distance	8mm
Installation	flush
Output Polarity	DC
Assured Operating Distance	0~6.48mm



Magnet

- Dia 24mm x 4mm with countersunk



Plate Sensor

Technical Part	Details
Sensing Method	Through Beam
Sensing Distance	590.551" (15m)
Voltage - Supply	12 ~ 24 V
Response time	1ms
Output	NPN
Ingress Protection	IEC IP67, IP69K
Light Source	Infrared (870nm)
Adjustment type	Single turn
Operating temperature	-25 ~ 55 degree Celcius



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

MODU DIRECT DELIVERY SYSTEM

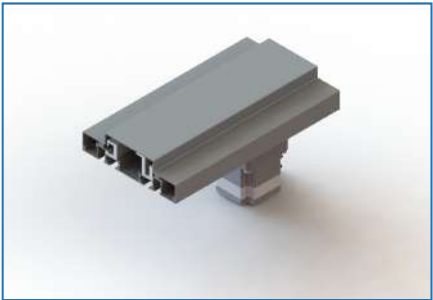
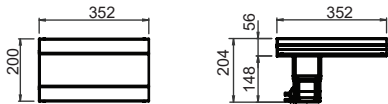


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MAG
MSC
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SR
HWS
DDC
RMS
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DW
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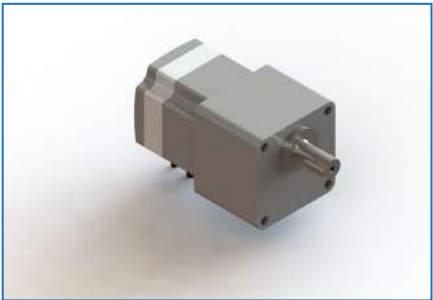
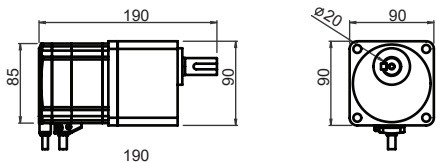
Drive



Drive Unit

- Item supplied is assembled with belt guide

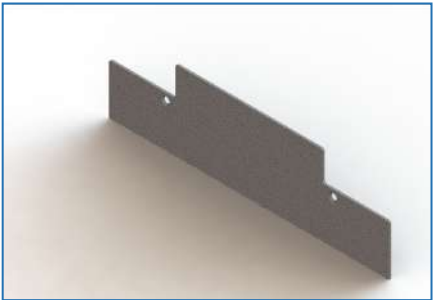
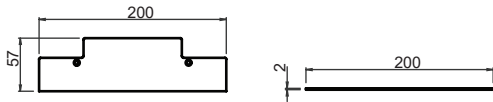
Item Code	Material	Supply	Weight
DDS-DR□-ORM	-	1 unit	12.6 kg



Motor

- AlphaStep AZ Series stepper motor

Item Code	Material	Supply	Weight
AZM98AC-TS3.6	-	1 unit	10.2 kg



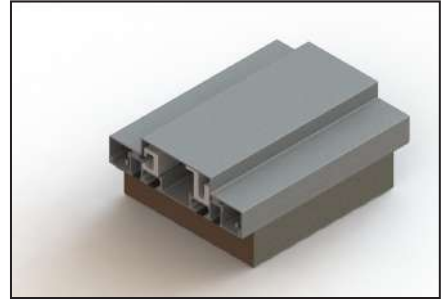
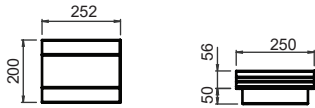
End Plate

Item Code	Material	Supply	Weight
XDD -EP□-001	-	1 unit	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

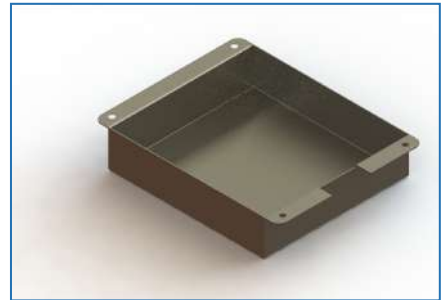
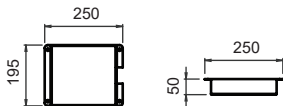
Idler



Idler Unit

- Item supplied is assembled with belt guide

Item Code	Material	Supply	Weight
DDS-IE□	-	1 unit	3.6 kg

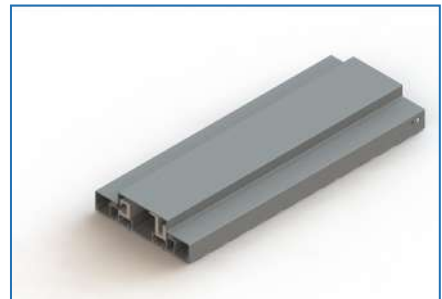
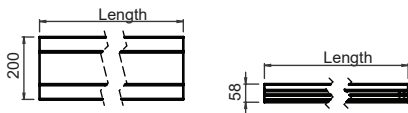


Cover Tensioner

- Stainless steel cover to close the tensioner at idler

Item Code	Material	Supply	Weight
XDD-COVR-IE	Stainless Steel	1 unit	0.8 kg

Straight Section



Straight Section

- Item supplied is assembled with belt guide

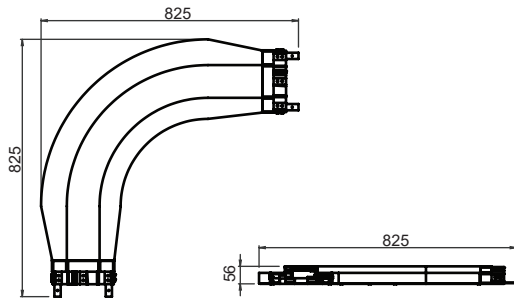
Item Code	Material	Supply	Weight
DDS-SS□-Lx.x	Aluminium 6063	1 unit	2.8 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Bend Section

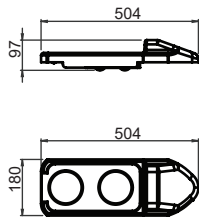


90° Bend

- Item supplied is assembled with slide rail & guide

Item Code	Material	Supply	Weight
DDS-90□	Stainless Steel	1 unit	8.6 kg

Carrier



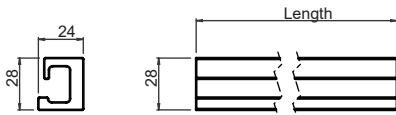
Bullet Train Assembly

Item Code	Material	Supply	Weight
XDD-BULT-001	PVC	1 unit	2.4 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Belt Guide

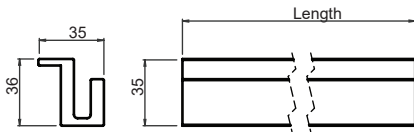


Belt Guide

Left

- Suitable for Drive, Idler & Straight Section

Item Code	Material	Supply	Weight
XDD-BG-L	Polyethylene (PE) 500	1 pc	0.2 kg



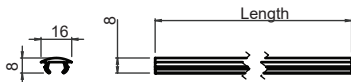
Belt Guide

Right

- Suitable for Drive, Idler & Straight Section

Item Code	Material	Supply	Weight
XDD-BG-R	Polyethylene (PE) 500	1 pc	0.2 kg

T Slot Cover



T Slot cover

- Suitable for Drive, Idler & Straight Section

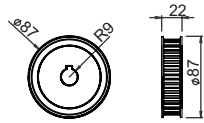
Item Code	Material	Supply	Weight
MB SC 25P	TPE-60A	25m/roll	0.2 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Drive Accessories

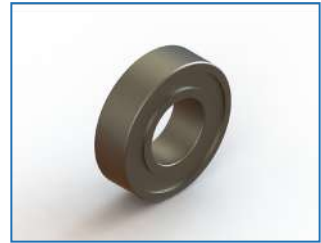
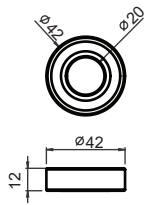


Pulley Drive

- Teeth: 26
- Inner Dia. : 18

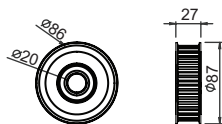
Item Code	Material	Supply	Weight
XDD-PUL-D26	Aluminium	1 pc	0.3 kg

Idler Accessories



Idler Bearing 6004zz

Item Code	Material	Supply	Weight
XDD-BRG-IE	Stainless Steel	1 pc	0.1 kg



Idler Tensioner

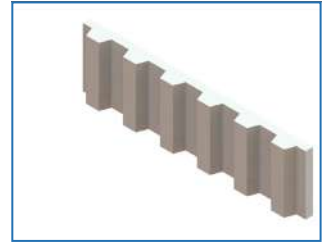
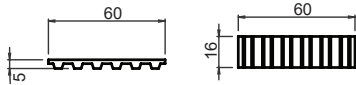
Item Code	Material	Supply	Weight
XDD-PUL-IE26	Aluminium	1 pc	0.4 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Straight Section Accessories

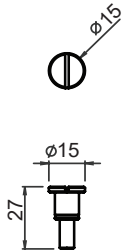


Carrier Belt Joint

- to add

Item Code	Material	Supply	Weight
XDD-BELTJ-T10	Polyethylene (PE) 500	1 pc	0.01 kg

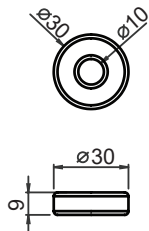
Bend Section Accessories



Pin Roller

- to add

Item Code	Material	Supply	Weight
XDD-PIN-B90	Polyethylene (PE) 500	1 pc	0.1 kg



Bend Roller

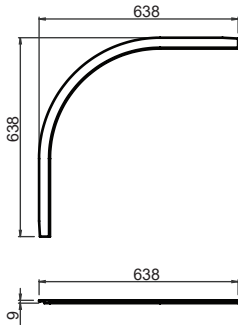
Item Code	Material	Supply	Weight
MSP CP Collar	POM	1 pc	0.01 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Bend Guide

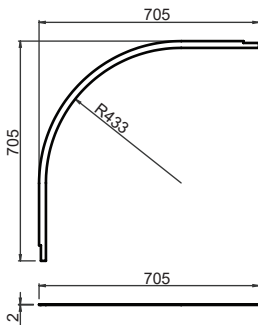


90° Bend Inner Guide

- Included in assembly of bend section.

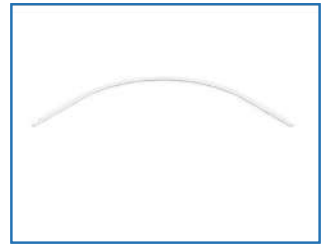


Item Code	Material	Supply	Weight
XDD-BGU90-002	Polyethylene (PE) 1000	1 pc	0.2 kg



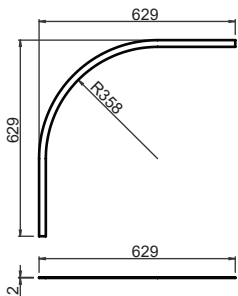
90° Bend Outer Guide

- Included in assembly of bend section



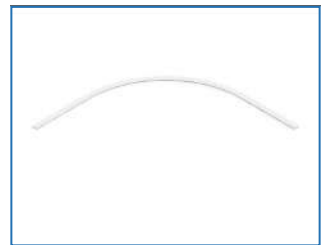
Item Code	Material	Supply	Weight
XDD-BGU90-001	Polyethylene (PE) 1000	1 pc	0.1 kg

Slide Rail



90° Bend Bottom Slide Rail

- Included in assembly of bend section



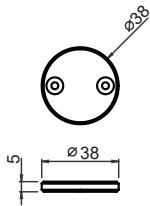
Item Code	Material	Supply	Weight
XDD-BSR90-001	Polyethylene (PE) 500	1 pc	0.03 kg

□ Indicates available finishing options, Kindly refer to page 27.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

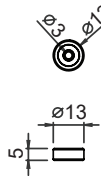
Carrier Accessories



Magnet

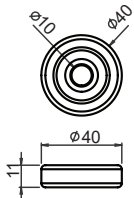
- Dia. 38.5 mm

Item Code	Material	Supply	Weight
CCP-MAG-38	-	1 pc	0.1 kg



Carrier Guide Wheel

Item Code	Material	Supply	Weight
XDD-GUIDW-13	-	1 pc	0.1 kg



Main Wheel

Item Code	Material	Supply	Weight
XDD-MAINW-40	-	1 pc	0.1 kg

□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

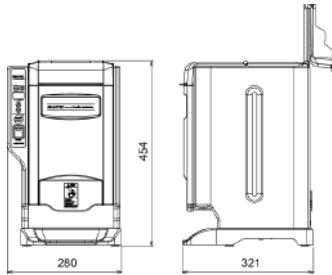
MODU SUSHI ROBOT



Contents

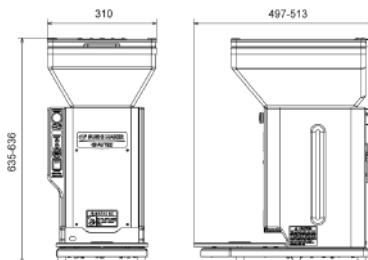
Sushi Rice Ball Machine.....	199
Sushi Rice Ball Machine (continued)....	200
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Rice Sheet Maker.....	202
Norimaki Cutter.....	203
Lubricant Spray	204
Rice Box	204
Rice Tray	204

Sushi Rice Ball Machine



ASM405CE

Technical Part	Details
Dimensions	280mm(W) x 321mm(D) x 454mm(H)
Power Supply	AC230 V (50 / 60 Hz)
Power Consumption	40W
Production Capacity	Up to 1,800 pieces per hour
Volume Adjustment	18 – 24 g / ball (SS, S, M, L)
Hopper Capacity	Approx. 3.3kg *manual rice feeding system
Weight	Approx. 16 kg



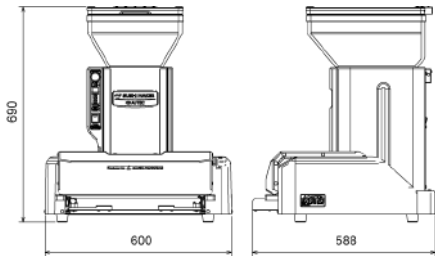
ASM410SCE

Technical Part	Details
Dimensions	310mm(W) x 513mm(D) x 636mm(H)
Power Supply	AC230 V (50 / 60 Hz)
Power Consumption	80W
Production Rate	Up to 2,400 rice balls/hour
Hopper Capacity	Approx. 5.0 kg
Weight	Approx. 23 kg
Rice Ball Sizes	16 – 22 g / ball (SSS, SS, S, M)

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

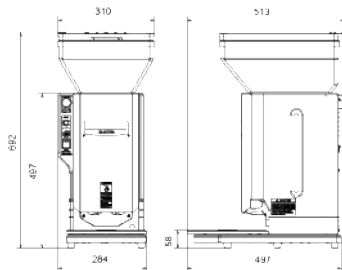
Sushi Rice Ball Machine (continued)



ASM450SCE

Technical Part	Details
Dimensions	600mm (W) x 588mm (D) x 690mm (H)
Power Supply	AC230 V (50 / 60 Hz)
Power Consumption	130W
Production Capacity	Up to 2,200 pieces per hour
Volume Adjustment	17 – 25 g / ball (SS, S, M, L)
Hopper Capacity	Approx. 8.2kg *manual rice feeding system
Weight	Approx. 43 kg

Rice Ball Forming Machine



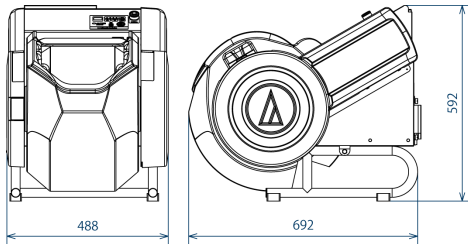
ASM545CE

Technical Part	Details
Dimensions	310mm(W) x 513mm(D) x 692mm(H)
Power Supply	AC230 V (50 / 60 Hz)
Power Consumption	80W
Production Capacity	Onigiri = 1,100 – 1,650 pcs. / hour (50Hz) Sushi Rice Balls = 2,200 pcs. / hour (50Hz) Makunouchi = 1,375 – 4,400 pcs. / hour (50Hz)
Hopper Capacity	Approx. 8.2 kg
Weight	Approx. 25 kg

Please consult MODU representative for further information and assistance.

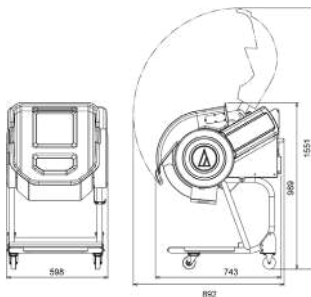
Units: Dimension (mm)

Rice and Vinegar Mixer



ASM730CE

Technical Part	Details
Dimensions	488mm(W) x 692mm(D) x 592mm(H)
Power Supply	AC230 V (50 / 60 Hz)
Power Consumption	200 W / 50 Hz, 280 W / 60 Hz
Capacity	Approx. 3.3 Kg – 6.6 Kg
Weight	Approx. 35 kg



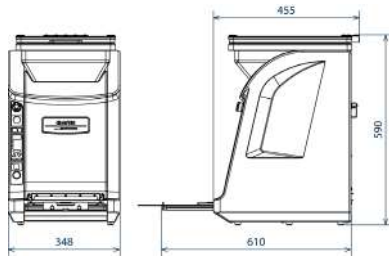
ASM780CE

Technical Part	Details
Dimensions	598mm(W) x 743mm(D) x 989mm(H)
Power Supply	AC230 V (50 / 60 Hz)
Power Consumption	200 W
Capacity	Approx. 6.6 Kg – 13.2 Kg
Weight	Approx. 47 kg

Please consult MODU representative for further information and assistance.

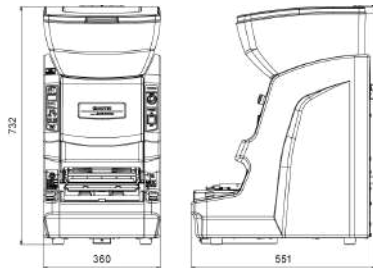
Units: Dimension (mm)

Rice Sheet Maker



ASM865CE

Technical Part	Details
Dimensions	348mm(W) x 455mm(D)(max 610mm) x 590mm(H)
Power Supply	AC230 V (50 / 60 Hz)
Forming Capacity	900 – 1,200 mats/h
Production Rate	Up to 900 rolls – 1300 sheets/hour
Hopper Capacity	8.2 kg
Weight	Approx. 33 kg
Operation	Approx. 43 kg Semi-Automatic



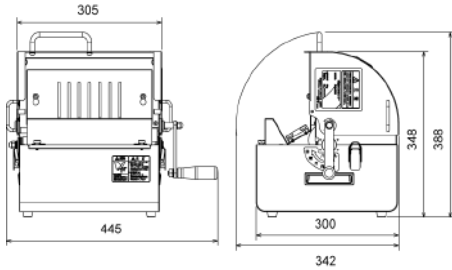
ASM880CE

Technical Part	Details
Dimensions	360mm(W) x 551mm(D) x 732mm(H)
Power Supply	AC230 V (50 / 60 Hz)
Power Consumption	70W
Hopper Capacity	Max. Approx. 10kg
Weight	Approx. 50 kg
Rice Supplying Method	Auto-stirring Supply System

Please consult MODU representative for further information and assistance.

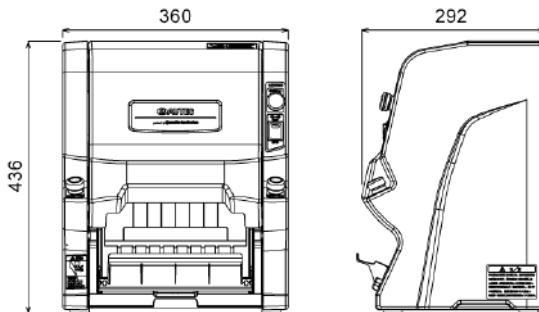
Units: Dimension (mm)

Norimaki Cutter



ASM230

Technical Part	Details
Dimensions	445mm(W) x 342mm(D) x 348mm(H)
Cutting Method	Manual 2 rotation cutting method
Cutting Size	6 pieces (185mm roll) 8 pieces (185mm roll) 10 pieces (205mm roll)
Cutting Width	6 pcs.=Approx. 30mm, 8 pcs.=Approx. 21.5mm, 10 pcs.=Approx. 20mm
Weight	Approx. 11 kg



ASM250CE

Technical Part	Details
Dimensions	360mm(W) x 292mm(D)x 436mm(H)
Power Supply	AC230 V (50 / 60 Hz)
Power Consumption	40 W
Product Capacity	Up to 600 pcs per hour
Range of Norimaki sizes	Thickness equivalent to 25 square – 50 square (mm) Length lengthwise roll (for 4 / 6 / 8 pcs) : 180 – 185 (mm) Yoko roll (for 10 pcs) : 200 – 205 (mm)
Cutting Size(mm)	4 pcs cut : 45 each, 6 pcs cut : 30 each, 8 pcs cut : 22.5 each, 10 pcs cut : 20 each
Weight	18kg

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Lubricant Spray

Lubricant Spray AUTEX

- With unique blend, the effect on Resin parts is minimized
- Made from 100% vegetable oil: odor-free spray with good oxidation stability
- Provides not only lubrication but also protection against rust



Technical Part	Details
Raw Materials	Vegetable oil, emulsifying agent, antioxidant (vitamin E), LPG
Interior Content	480 ml (10 or 5 cans /set)

Rice Box

Rice Box ASA151

- Capable of containing 5 rice trays (about 250 sushi rice balls) at once
- Use of a polyethylene resin insulation keeps sushi rice and formed pieces warm for a long time



Technical Part	Details
Outer Dimensions	483mm (W) x 373mm (D) x 256mm (H)
Inside Dimensions	372mm (W) x 305mm (D) x 180mm (H)

Rice Tray

Rice Tray ASA159

- Capable of containing up to 50 sushi rice balls per tray
- Shock-resistant and easy to clean



Technical Part	Details
Outer Dimensions	370mm (W) x 300mm (D) x 31mm (H)
Inside Dimensions	367mm (W) x 294mm (D) x 28mm (H)

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MODU HOT WATER SYSTEM



Contents

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Water Boiler

Item Code	Material	Specifications	Weight
XHW-BWB-64L	-	Berjaya Water Boiler-64LT, Double Insulation, C/W Stand (BSP-WB80PU)	22 kg



Water Pump

Item Code	Material	Specifications	Weight
XHW-PUMP-ELC	-	Electra Pump, Close-coupled Centrifugal Pump, ECLM60/05-V	12.5 kg



Elbow

Equal Elbow / Reducing Elbow

Item Code	Material	Specifications	Weight
XHW-C90EE-15	-	15mmC x 15mmC	0.06 kg
XHW-C90EE-22	-	22mmC x 22mmC	0.1 kg
XHW-C90RE-3/4" x 1/2"	-	3/4" T X 1/2" T	0.1 kg



Female Elbow

Item Code	Material	Specifications	Weight
XHW-C90FE-15 1/2"	-	15mmC x 1/2" T	0.1 kg
XHW-C90FE-22 1/2"	-	22mmC x 1/2" T	0.1 kg
XHW-C90FE-22 3/4"	-	22mmC x 3/4" T	0.1 kg



Please consult MODU representative for further information and assistance.

Male Elbow

Item Code	Material	Specifications	Weight
XHW-C90ME-15 1/2"	-	15mmC x 1/2"T	0.1 kg
XHW-C90ME-22 3/4"	-	22mmC x 3/4"T	0.1 kg



Socket

Connecting Socket / Reducing Socket

Item Code	Material	Specifications	Weight
XHW-CCS-15	-	15mmC x 15mmC	0.1 kg
XHW-CCS-22	-	22mmC x 22mmC	0.1 kg
XHW-CRS-22 x 15	-	22mmC x 15mmC	0.2 kg



Connecting Female Socket

Item Code	Material	Specifications	Weight
XHW-CCFS-15	-	15mmC x 1/2"T	0.1 kg
XHW-CCFS-22	-	22mmC x 3/4"T	0.1 kg



Connecting Male Socket

Item Code	Material	Specifications	Weight
XHW-CCMS-15	-	15mmC x 1/2"T	0.1 kg
XHW-CCMS-22	-	22mmC x 3/4"T	0.1 kg



Please consult MODU representative for further information and assistance.

Tee

Equal Tee

Item Code	Material	Specifications	Weight
XHW-CET-15	-	15mmC x 15mmC x 15mmC	0.1 kg
XHW-CET-22	-	22mmC x 22mmC x 22mmC	0.2 kg



Reducing Tee

Item Code	Material	Specifications	Weight
XHW-CRT-15 x 22	-	15mmC x 22mmC x 15mmC	0.1 kg
XHW-CRT-22 X 15	-	22mmC x 15mmC x 22mmC	0.1 kg



Stainless Steel Nipple

Item Code	Material	Specifications	Weight
XHW-SNP-3/4" X 1/2"	Stainless Steel	3/4"T X 1/2"T	0.2 kg
XHW-SNP-1 1/4" X 3/4"	Stainless Steel	1 1/4"T X 3/4"T	0.2 kg



Spring Check Valve

Item Code	Material	Specifications	Weight
XHW-CCV-1/2"	-	1/2"T	0.2 kg
XHW-CCV-3/4"	-	3/4"T	0.2 kg



Please consult MODU representative for further information and assistance.

Stainless Steel Socket

Item Code	Material	Specifications	Weight
XHW-SCS-1/2"	Stainless Steel	15mmC x 1/2"T	0.1 kg
XHW-SCS-3/4"	Stainless Steel	3/4"T X 3/4"T	0.1 kg



Ball Valve

Item Code	Material	Specifications	Weight
XHW-SBV-1/2"	-	1/2"T	0.2 kg
XHW-SBV-3/4"	-	3/4"T	0.2 kg



Pipe Accessories

Copper Pipe

Item Code	Material	Specifications	Weight
XHW-CP22-5.8	Copper	M22 Copper Pipe, 5.8m per length	3 kg
XHW-CP15-5.8	Copper	M15 Copper Pipe, 5.8m per length	1.6 kg



Pipe Insulation

Item Code	Material	Specifications	Weight
XHW-PI-22	-	Pipe Insulation for 22mm Copper Pipe, 7/8" x 3/8" x 6'	0.2 kg



Please consult MODU representative for further information and assistance.

White Teflon Tape

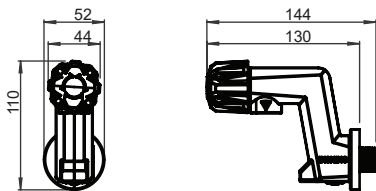
Item Code	Material	Specifications	Weight
XHW-TTW	-	White Teflon Tape	0.01 kg



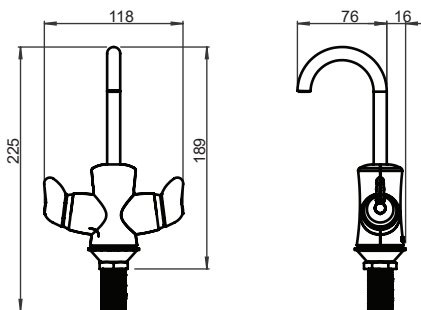
Hot Water Stickers

Item Code	Material	Specifications	Weight
XHW-STKR	-	Hot Sticker, Emboss Type	0.01 kg

Hot Water Tap



Item Code	Material	Specifications	Weight
XHW-WTM-SM		Hot Water Tap Side Mounting Rotate Type	0.3 kg



Item Code	Material	Specifications	Weight
XHW-WTM-TM		Hot Water Tap Table Mounting Rotate Type	0.3 kg



Please consult MODU representative for further information and assistance.

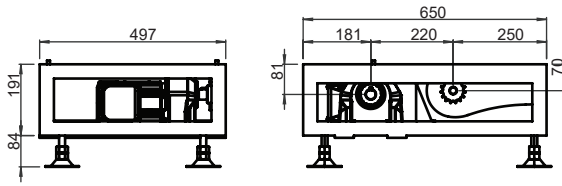
MODU DIRTY DISH CONVEYOR



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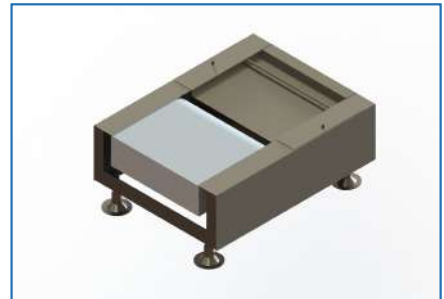
Drive



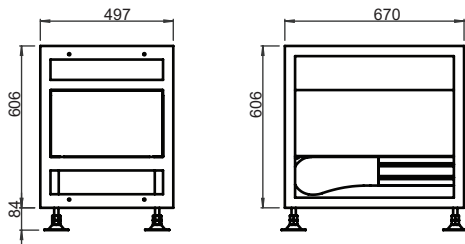
Drive Module

- Stainless steel cover comes as an option

Item Code	Material	Supply
	-	1 unit



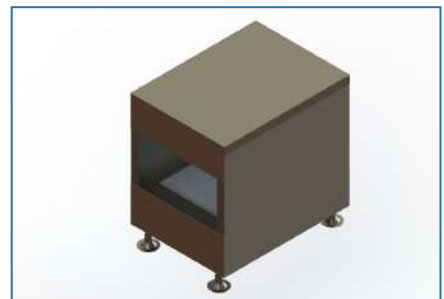
Idler



Idler Module

- Stainless steel cover comes as an option

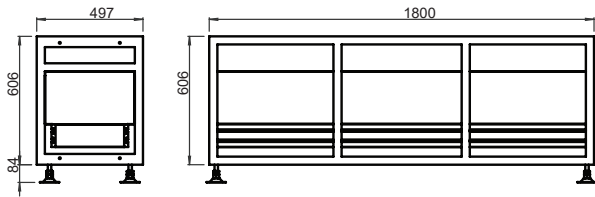
Item Code	Material	Supply
	-	1 unit



□ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

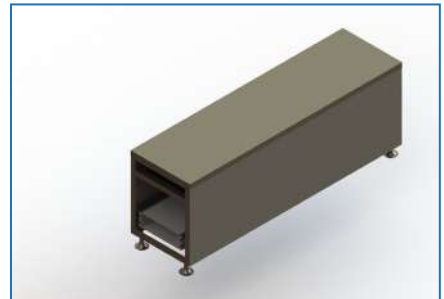
Straight Section



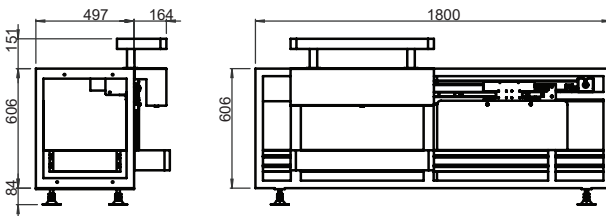
Straight Section Module

- Stainless steel cover comes as an option

Item Code	Material	Supply
	-	1 unit



Sliding Door



Automatic Sliding Opening Door

- Stainless steel cover comes as an option

Item Code	Material	Supply
	-	1 unit



☐ Indicates available finishing options, Kindly refer to page 27.
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Dining Sliding Door



Dining Sliding Door

Item Code	Material	Supply
	-	1 unit

- AP
- TR
- FIN
- SLL
- SLM
- SLS
- SML
- SMS
- EMS
- ELS
- MAG
- MSC
- FDR
- EDS
- DDS
- BDS
- TDS
- SR
- HWS
- DDC
- RMS
- SFS
- DW
- DWS
- IM
- MM

□ Indicates available finishing options, Kindly refer to page 27.
 Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

MODU RESTAURANT MANAGEMENT SYSTEM



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Point-of-Sales System (POS)

End to end order management

POS comes with rich set of features like integrated CRM, Coupon System, Loyalty Program which helps in personalized interactions and customer engagement.

- **Quick On-boarding** - New staff will be ready to serve customers in far less time with the help of incredibly intuitive user interface.
- **Deployment assistance and hand over** – MODU and Devourin team will assist you in seamlessly upgrading to our platform without a single day of productivity loss. Easy to use back office will enable staff to handle complex menu updates in couple of clicks.
- **Stay Up and Running** - Whether there is internet connectivity or not we would ensures uninterrupted operations with its state of art hybrid cloud architecture. Your operations will never be impacted by any fluctuations in internet connectivity.
- **Custom menu building** - User friendly interface simplifies menu management by allowing the staff to add, remove and edit items in seconds. They can access and update menu remotely from anywhere.
- **Consolidated Reporting** - Get an instant overview of the business across all locations with a real time report from anywhere, anytime.



Spark (QR Code Order)

Touch Free ordering System

- 120 concurrent requests per second can be handled. In effect it can handle up to 600 seating capacity.
- Escalations in orders can be managed as the cloud machine is elastic, which can handle infinite number of orders.
- Devourin eco-system use stage based dual handshaking data transaction model which guarantee 100% data delivery. Even high amount of concurrent orders will not have any bearing on the data transaction across components.



Order Flow



Please consult MODU representative for further information and assistance.

Tab based tool for welcoming guests

Customer Insights - It is loaded with rich CRM where it provides the hostess with details like:

- Most favourite table
- Last used table
- Frequency used table
- Frequency of visits
- Feedback from previous visit
- Customer history



- **Personalized Interaction** - This enables hostess to have highly personalized interaction with guests.
- **Remote Access** - Hostess will be able to assign table directly from the reception itself.
- **Queue Management** - It comes loaded with queue management capability where all the customers in waiting can be managed easily.

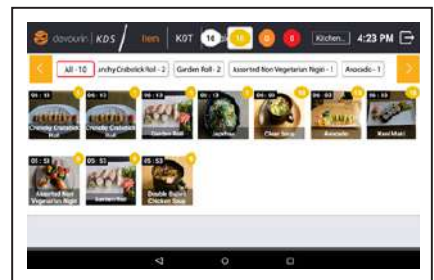
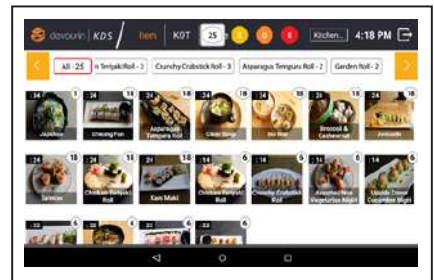
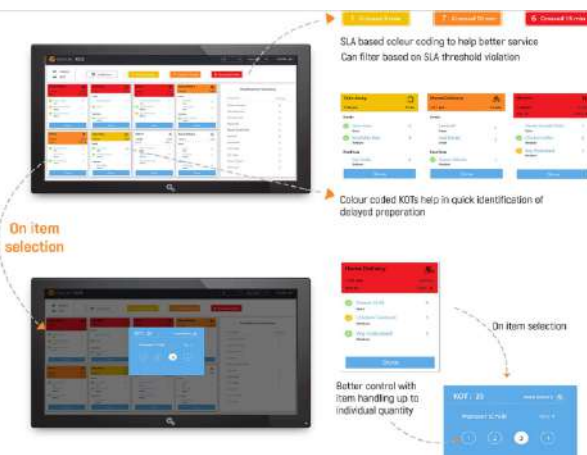
Kitchen Display System (KDS)

Order placement and delivery management

The Kitchen Display System tool helps in reducing the time between order placement and its delivery. Pre-defined brand level SLAs can be closely monitored and controlled in real-time or with the help of informative reports.

- Colour coded monitoring of service efficiency and delays
- Item segregation to reduce preparation time
- Real-time visibility to the kitchen management

System Flow



Please consult MODU representative for further information and assistance.

Lane Management System (LMS)

Lane Management system help in reducing human error when food is being delivered.

- Each food would be allocated to the table number.
- When sending the food with the delivery system, select the food with the same table number.
- Select which level to use when sending to customer.
- Press "Go" and food would be delivered.

System Flow



All food is being populated on the tablet



Food sorted automatically once table number is selected



Food sorted automatically once table number is selected



Food sorted automatically once table number is selected



History to check which food has been delivered for monitoring

Serve

Tab/Mobile based ordering tool for captains

- **Built-in CRM** - Captains will be armed with guests details like past orders, their favourites and their likes which enables them to have personalized interactions with guests.
- **On the spot Orders** – Captains can place orders from the table itself and spent more time interacting with guests
- **Order Management** – It has provisions to shift table, shift KOT, View Bill, Print Bill, and so on.



Please consult MODU representative for further information and assistance.

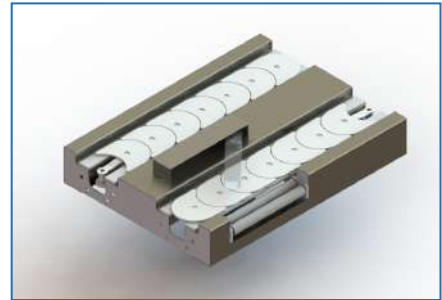
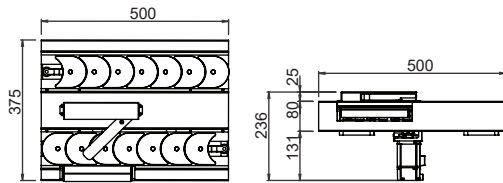
MODU SUSHI FRESHNESS SYSTEM



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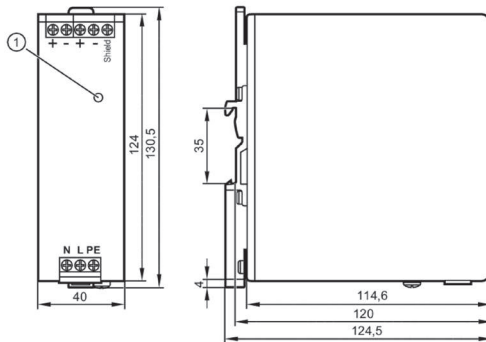
Freshness System



Freshness System Assembly

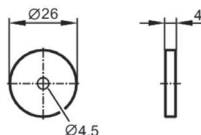
Item Code	Material	Supply
-	-	1 unit

Components



AC1256 - Power Supply Motor

- Reliably power supply for modules, sensors and actuators
- High noise immunity and sufficient power reserves for the compensation of current peaks
- Safe decoupling of interferences from the primary supply
- Particularly space-saving design
- Low heating of the control cabinet due to high efficiency



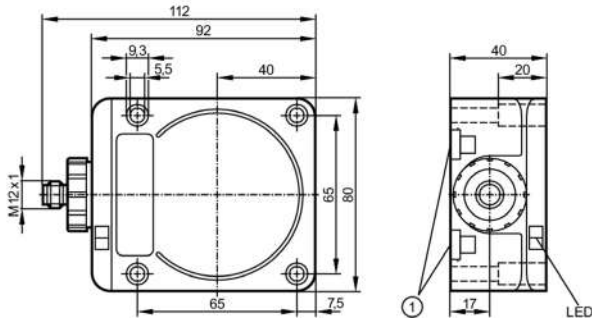
E80322 - RFID Tag

- RFID tag 125 kHz - Q5
- Reliable coding of workpiece carriers
- Suitable for use in increased temperature range



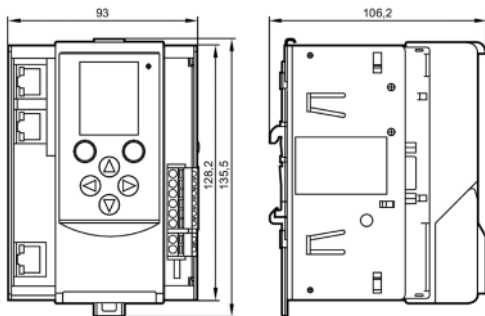
Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



DTA 301 - RFID read/write head with AS-Interface

- Reliable identification of workpiece carriers in routing conveyors
- Non-contact reading of RFID transponders (ID tags)
- Compact and at a low cost: Antenna and evaluation in one housing
- With AS-i interface
- For use in production lines and in material flow control



AC1403 - AS-Interface PROFINET gateway with PLC

- With integrated fieldbus interface
- Reliable and fast data exchange with the sensor actuator level
- Colour display for indicating the status of all AS-i slaves
- User-friendly and simple configuration, set-up and diagnosis
- Quick-setup menu with intuitive operation

MODU DINING WARE



Contents

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6" Sushi Plate

Solid Colour Plates

- Available in 8 colour options

Technical Part	Details
Size	6" Sushi Plate
Dimension	ø152 mm x 22 mm
Material	Melamine
Certification	US FDA Food Simulating Solvent and Extraction (CR21, Part 177.1460
Operating Temperature	-10° C to 110° C



White Strip Plates

- Available in 8 colour options

Technical Part	Details
Size	6" Sushi Plate
Dimension	ø152 mm x 22 mm
Material	Melamine
Certification	US FDA Food Simulating Solvent and Extraction (CR21, Part 177.1460
Operating Temperature	-10° C to 110° C



Custom Design Plates

- Customer's logo can be printed on to the plate.
- Artwork need to be supplied by customer.
- Similar specifications to solid colour and white strip plate



Please consult MODU representative for further information and assistance.

5.5" Sushi Plate

Sushi Plate

- Available in 8 colour options

Technical Part	Details
Size	5.5" Sushi Plate
Base Colour	White
Dimension	ø140 mm x 22 mm
Material	Melamine
Certification	US FDA Food Simulating Solvent and Extraction (CR21, Part 177.1460
Operating Temperature	-10° C to 110° C



5.5" Sushi Bowl

Sushi Bowl

- Available in 8 colour options

Technical Part	Details
Size	5.5" Sushi Bowl
Base Colour	White
Dimension	ø140 mm x 39 mm
Material	Melamine
Certification	US FDA Food Simulating Solvent and Extraction (CR21, Part 177.1460
Operating Temperature	-10° C to 110° C



RFID Embedded Plate

- RFID Tag: 26mm x 4mm
- Available on all sushi plates design



Please consult MODU representative for further information and assistance.

Sushi Lids

Dome Lid

- Suitable for 5.5" Sushi Plate and Bowl

Technical Part	Details
Dimension	ø130 mm x 58 mm
Plate Type	5.5" Bowl 5.5" Plate
Material	PC (Poly-Carbonate)
Colour	Transparent



Hard Lid

- Suitable for 6" Sushi Plate

Technical Part	Details
Dimension	ø157 mm x 61 mm
Plate Type	6" Plate
Material	GPPS (General Purpose Polystyrene)
Colour	Transparent



Colour Options



Pantone coated: 382C
Green



Pantone coated: 2995C
Blue



Pantone coated: 266C
Purple



Pantone coated: Yellow C
Yellow



Pantone coated: 021C
Orange



Pantone coated: 225C
Pink



Pantone coated: 442C
Grey



Pantone coated: 199C
Red

Please consult MODU representative for further information and assistance.

MODU DISH WASHER



Contents

Rotary-Type Automatic Dish Washing Machine	229
--	-----



Features

- Automatic washing machine for sushi plates
- Brushes clean both sides of every plate
- Uses both detergent and hot water for thorough cleaning

Functions

- Hot Water Rinse
- Detergent and Scrub
- Rinse and Blow Dry



Specifications

Technical Part	Details
External Dimensions	895mm(W) × 597mm(D) × 840mm(H)
Performance	1200 pcs/Hr
Dish Diameter	150mm
Power	3 Phase, 415 Volt
Water	Hot water drain
Drainage	Suitable for hot water

Please consult MODU representative for further information and assistance.

INSTALLATION MANUAL



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Introduction

The MODU Crescent Conveyor System is based on a stainless steel frame guiding a crescent plastic chain. This plastic chain travels on low-friction plastic extruded wear strips called slide rail. Items that are to be conveyed ride directly onto the chain.

1. Drive Unit

It could be installed at 180-degree bend (for twin track system) or at 90-degree bend (for single track system).

Brand	Power KW	Maximum Length / m	Speed m/min
Sumitomo	0.2	30	8
	0.4	40	

You can choose between (0.2 & 0.4) kW, each one of them can be single or three phases according to connecting system (Delta & Star).

For **0.2 kW** drives, users are advised to use two drives for conveyor length more than 30 meters.

For **0.4 kW** drives, users are advised to use two drives for conveyor length more than 40 meters.

• Conveyor Speed Formula

According to the formulas the chosen speed for 0.2 kW motors is 7.5 rpm and for 0.4 kW motors is 14.5 rpm.

For a specific conveyor speed, we use this formula to define the required frequency:
Frequency (Hz) = 50 X Desired speed / constant value according to profile & motor type)

(Constant values) For 50 Hz using 0.2 KW motor

SLL= 6.41 m/min
 SLM / SLS = 5.80 m/min
 SML / SMS = 4.83m/min

(Constant values) For 50 Hz using 0.4 KW motor

SLL= 12.39 m/min
 SLM / SLS = 11.21 m/min
 SML / SMS = 9.34 m/min

Note: Tune the inverter's frequency according to the previous formula to define the desired speed. The above mentions are only general guidelines. For further information, please consult our MODU representatives.

2. Support

The conveyor frame could be mounted directly on a table top or support beam. Support structure from MODU supplied in combination of aluminum extruded profile of 40x40mm and 20x40mm sizes, together with its accessories.

Notes

MODU Standard conveyor support height is 1100mm to frame top. Other support height is available upon request.

Installation of Conveyor

1. Introduction to Conveyor Support

Material: MODU Aluminums Extrusion Beams 40x40mm or 20x40mm

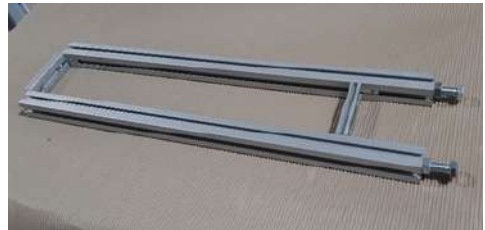
Finishing: Natural Anodized

Accessories: MB BA 40L Bracket, MB BI 8L Inner Bracket , MA NS 8 , M8x16mm Bolt, M8 Washer

The support structure from MODU usually will be provided in two categories, which is called the leg part and the linking unit part that makes up a support structure as shown below.



Example of Linking Units



Example of Leg Support for the structure



Once two legs are connected with linking units completes a support structure assembly as shown example above.



Tools required;
Allan Key 4, Wrench 13, Combination Spanner,
Measuring Tape, L-Square, Level Ruler

2. Installation of Conveyor Support



1. Using drill bit size 4.1mm, drill on all the rivets until all the rivets is removed.



3. Slide the brackets into the slots at the beams as shown



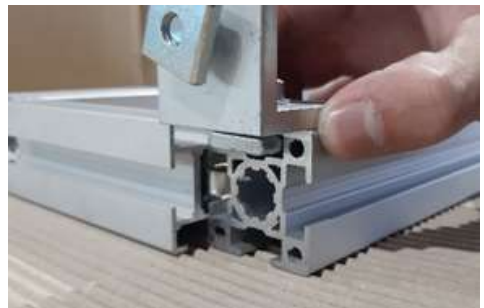
5. Repeat Step #3 & #4 for other side and lock it in position as shown.



2. Prepare the MB BA 40L Brackets affix with the M8 Bolt, Washer and Square nut as shown.



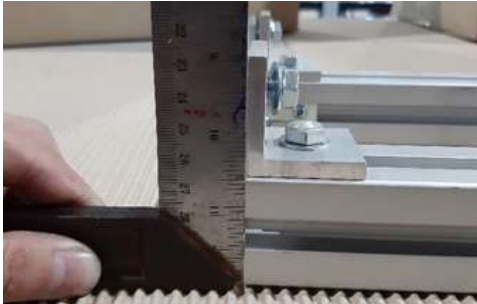
4. Measure to position required from bottom of M16 Stud edge.



6. At the top part of leg, slide in the Bracket.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



7. Align it to the edge of the beam and lock it in place as shown.



8. Repeat the process for the other side. Depending on project may require repeat process at opposite side.



9. Leg Support ready to connect to the linking unit.



10. Bring together the leg to the linking unit to slot together.



11. Slot together as shown where the square nut slide into the slot of beam.



12. Slot both the lower linking and lock them with the wrench.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



13. Do the same for the top linking, slot it in and lock into place.



14. Once lock should look like shown.



15. Check the level using the water level to ensure the levelness.



16. If the level is not balanced, adjust the Stud at bottom accordingly until it is leveled.



17. The structure is done. The process continues to add more links and leg support to follow the layout of the conveyor.

3. Installation of Conveyor Chains (SL and SM Chains)

Tools
Plier



1. Place the chain onto the conveyor frame. Ensure the direction of chain to be run and surface on the slide rail and surrounding it is cleaned.



2. To connect to other chain, remove the pin form other end of chain, use the plier to remove the pin.



3. To join the chain links, pull both chain ends together until all through holes meet.



4. Join and assemble the roller and links together as shown.



5. Using the pliers, put the clip through the bottom plastic pin hole and once it is in, open the clip as shown above.



6. Once done connecting the chains, wipe the chain surfaces clean and proceed to paste the chain sticker onto the connected chain.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



7. In the event need to remove chain link, follow reverse steps #6 to #2 until disconnected as shown.



8. Dismantle a link (or more depending how many to remove) from the chain assembly



9. Removed chain link (one link) is as shown.



10. Reconnect the chains as steps #2 to #6



**Make sure all the pins are place properly.
Incorrect placing may cause the chain to break**

4. Installation of Slide Rails (All S Series and EM Profile)

Tools

L-Square, Pen, Merry Cutter,
Knife, Drill Bit 2.5, Countersunk
Drill Bit



1. Clean the surface of the area to put the slide rail with thinner. Must ensure all areas are cleaned properly.



2. Place the double sided tape aligned to the edge



3. Unroll the slide rail. For SL Chain use 25mm width, while SM Chain use 20mm width. Bend opposite direction to ensure the slide rail is shaped straight.



4. Remove the film from the double sided tape.



5. Fix the slide rail firmly (with some extended offset the edge of frame) onto the tape while ensuring it is also aligned with the edge. Shown in picture using a guide to ensure alignment, and slide rail is raised above the area to fix it. Ensure no undulation and it is straight



6. Another view how the extended portion should look like, and the guide used to ensure alignment.

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)



7. Mark a line on the slide rail as shown, align with edge of frame



8. Using the slide rail cutter / merry cutter, cut along the line marked as shown and paste it back to frame.



9. Use knife to make small chamfer and smoothen the top edge of the slide rail.



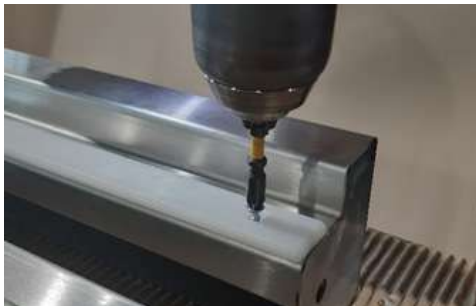
10. Drill a through hole all the way into the frame to position for the M3 CSK Screw.



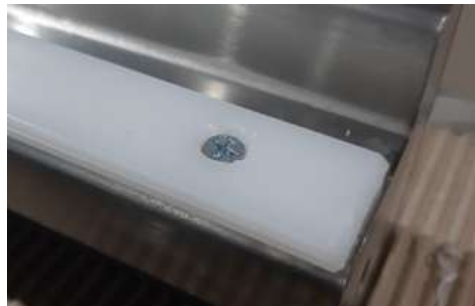
11. Drill a countersunk hole on the same hole for the M3 CSK to sink in.



12. Use knife to smoothen the insides and deburr edges.



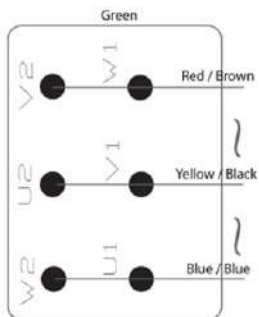
13. Screw in the M3 Countersunk to lock the slide rail to the frame.



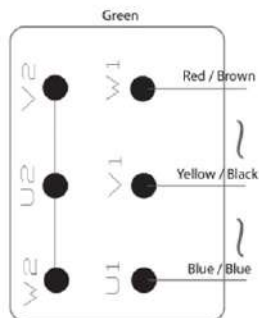
14. Screw should be sunken below the slide rail level. Repeat process #10 to #13 for rest of the slide rail length as where required.

5. Installation of Motor

• Delta Connection



• Star Connection



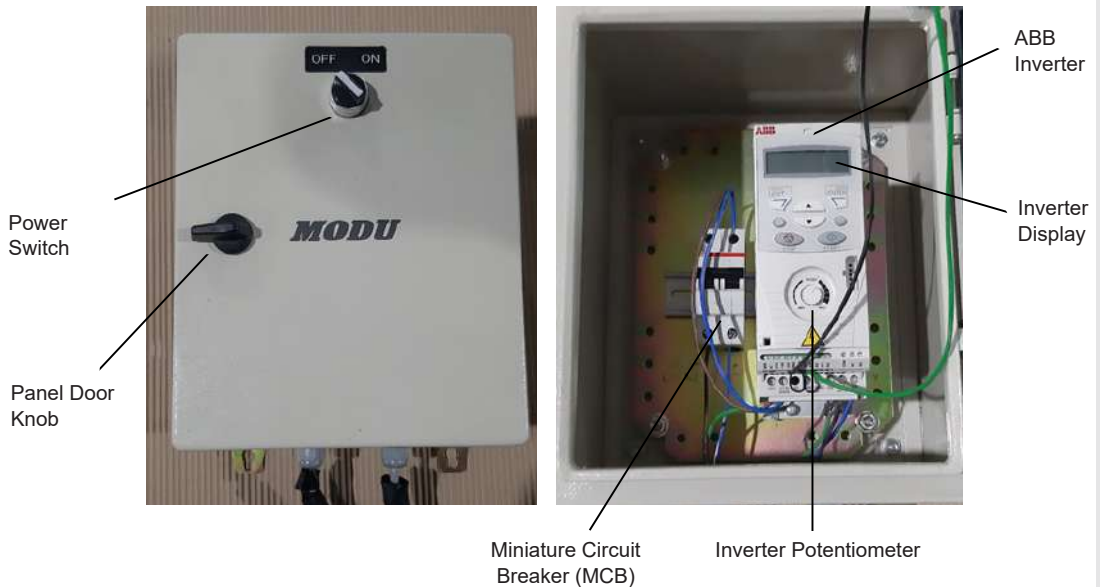
Tools
Philips Screw Driver

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

1. MODU Control Panel Overview

An overview of Control Panel supplied by MODU is as below:



2. To Start Operation

1. Turn on at the main power supply.
2. Turn the switch to ON position at control panel to start the conveyor.

3. To Stop Operation

1. Turn the switch to OFF position at control panel.
2. Turn off at the main power supply.

4. To adjust conveyor speed when conveyor is in operation

1. Open the door of the control panel. (An ABB inverter is installed in the control panel. See below)



2. While the conveyor is running, rotate the potentiometer of the inverter to increase/decrease the speed. The indication of the speed displayed is shown in hertz. Higher the hertz, faster the conveyor speed and vice-versa.
3. For higher speed, turn speed controller in clockwise direction.
4. For lower speed, turn speed controller in anti-clockwise direction.
5. Desired speed can be verified by user during installation.
6. After speed adjustment, close the control panel door.



Do not touch the cables and components in the control panel when the Control panel door is opened.

5. Inverter Guide Setting

Inverter Frequency Setting	Linear Speed (Chain Speed)
50 Hz (Default setting)	6 m/min
67 Hz (High frequency setting)	8 m/min
25 Hz (Low frequency setting)	3 m/min

- The higher the hertz, the faster the conveyor speed and vice versa

Notes

- According to the standard conveyor speed at sushi restaurant, the ideal speed should be around **6m/min to 7m/min** in order to allow customer to judge and take the item displayed on the conveyor.
- Conveyor speed is directly proportional to the frequency supplied by the frequency inverter. Therefore, a simple calculation shown below will guide the user to decide and judge the actual conveyor speed adjusted during the operation.

Taking the default setting as master,

To run the conveyor at desired speed, **A** rpm,

$$\begin{aligned} \text{New inverter setting} &= \frac{A \times 50\text{Hz}}{6\text{m}} \\ &= x \text{ Hz} \end{aligned}$$

- Generally, users will prefer to judge the required speed by visual and test on the actual operation if the conveyor is running at desired speed.

MAINTENANCE MANUAL



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DO NOT ATTEMPT ANY MAINTENANCE TO THE CONVEYOR WHILE IT IS IN OPERATION.

BEFORE STARTING MAINTENANCE:

1. Maintenance functions are to be performed while the conveyor is off. This will prevent anyone from applying power to the system while maintenance personnel are at work.
2. Never work on a conveyor while it is running, unless maintenance procedure requires operation. If the conveyor needed to perform maintenance, only allow properly trained maintenance personnel to work on the conveyor.

DURING MAINTENANCE:

1. Do not wear loose clothing while performing maintenance on operating equipment.
2. Be aware of hazardous conditions, such as sharp edges and protruding parts.
3. When using hoists, cables or other mechanical equipment to perform maintenance, use care to not damage conveyor components.
4. Keep the area clean. Clean up the lubricants and other materials before starting up the conveyor.

AFTER MAINTENANCE:

1. Before starting up the conveyor after maintenance is completed, walk around the equipment and make sure all safety devices and guards are in place, pick up tools, maintenance equipment and clear any foreign objects from the conveyor.
2. Make sure all personnel are clear of the conveyor and aware them that the conveyor is about to be started.
3. Only authorized personnel should be permitted to start the conveyor

NOTE:

CONDITIONS DO EXIST ON ANY CONVEYOR THAT CAN CAUSE INJURY TO PERSONNEL. NO MANUAL CAN COVER ALL THE HAZARDOUS CONDITIONS THAT MIGHT DEVELOP. THEREFORE, PERSONNEL INVOLVED SHOULD BE CONSTANTLY ON THE ALERT FOR UNSAFE CONDITIONS AND USE ALL POSSIBLE CARE, ALONG WITH COMMON SENSE AND STRICT ADHERENCE TO ACCEPTED SAFETY STANDARDS TO ESCAPE INJURY.

Introduction

This manual is to offer assistance for planned maintenance schedule in order to ensure smooth operation with minimum downtime and maximum life of MODU Conveyors.

Maintenance

The chains are made of acetal resin which has an excellent combination of strength, wear, chemical resistance, and impact strength and temperature range. Chain failures like breakage and high wear might occur if the actual chain pull is higher than the permissible chain limit. There is also high risk of slip-stick effect if the conveyor is running at high chain tension.

Chain running on the right direction is very important. The chain top and bottom is like an arrow and the conveyor must travel toward the arrow. The chain should run without pre-tension. Pre-tension might result in uncontrolled chain pull and lead to chain failure.

Chain elongation, acetal resin 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. The chain elongation will show along the conveyor. 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 then every 1600 hours. More frequent inspections are recommended if the conveyor is long and on high load.

Inspection, visual check of the slide rail in straight section is checked 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 or operation. Check for any worn out slide rail and any other unusual condition and make necessary replacement. You must also clean up the dirt accumulation on the conveyor chain. Drive unit can be equipped with different gear motor brands. Please follow the maintenance recommendations from the manufacturer.

1. Maintenance Schedule

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

First 3rd month:

- shorten the chain.
- visual inspection on the running wear of the slide rail, chain & sprocket.
- check on any high wear part on the conveyor and rectify it when necessary.
- clean up any accumulation that might block the smooth flow of the conveyor.
- check all parts joint for support structure and conveyor for loosen joint, rectify when necessary.

First 6th month:

- shorten the chain.
- visual inspection on the running wear of the slide rail, chain & sprocket.
- check on any high wear part on the conveyor and rectify it when necessary.
- clean up any accumulation that might block the smooth flow of the conveyor.
- check all parts joint for support structure and conveyor for loosen joint, rectify when necessary.

12th month:

- shorten the chain.
- visual inspection on the running wear of the slide rail, chain & sprocket.
- check on any high wear part on the conveyor and rectify it when necessary.
- clean up any accumulation that might block the smooth flow of the conveyor.
- check all parts joint for support structure and conveyor for loosen joint, rectify when necessary.

The following table provides summary of maintenance checks and the interval at which they should be performed.

#	Section	Mode	General Checks	No of operating hours / time interval
1	Drive Unit	I	Check sprockets	Every 2000 hours
2	Chain	C	Clean	Every day
		I	Check wear or crack	Every 2000 hours
3	Slide rails	I	Check slide rails	Start-up, then every 2000 hours
		I	Check slide rails in bends	Start-up, then every 2000 hours
		C & I	Clean & check slide rails, with conveyor chain removed	Every 6000 hours, or at least once a year
4	Gearmotor	I	Check	Every 3000 hours, or at least every 6 months

(Mode: I = Inspection; C = Cleaning; L = Lubrication)

2. Inspection Guidelines

In the course of conveyor operation, periodic inspection of the conveyor system is required to prevent of any breakdowns and failures. MODU conveyors should be inspected while the system is running as well as when it is shut down.

If any of the following problems are detected during inspection, kindly refer to the Section 5: Trouble-shooting, to determine the cause of the problem and correction actions.

2.1 Geared Motor

- The geared motor is checked in accordance with the instructions from the original manufacturer.

2.2 Drive Unit Sprocket

- Examine sprockets for signs of excessive wear, debris build-up in tooth pockets or possible chain misalignment

2.3 Conveyor Chains

- Hear to any unusual noises, while the conveyor running.
- Look for pulsation or jerky chain operation.
- Look for unusual or excessive wear patterns on the chains
- Look for unusual or excessive debris, such as wear and product debris etc.

2.4 Slide Rails

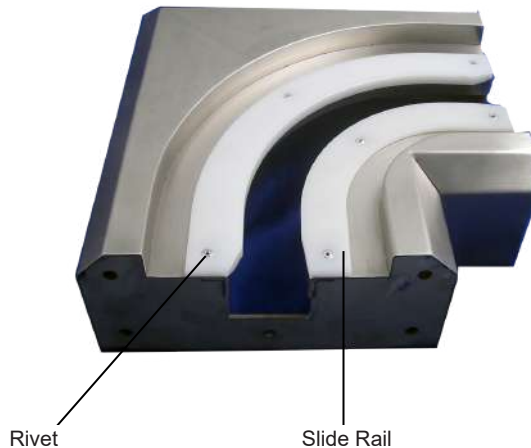
The slide rail should be checked carefully for wear and fastening, after every 8000 hours of operation or at least one year, by removing all the chains from the conveyor beam. Look for pulsation or jerky chain operation.

- Check the slide rail for wear and tear.
- Check the slide rail for scratches and notches.

Replace the slide rails and rivets if the following criteria met:

- Thickness reduced to less than 50%.
- Dirt or debris embedded.

Kindly refer to Replacement Guideline Section : 2. Replacing Slide Rails for more details.



3. Cleaning Guidelines

A thorough and regular cleaning procedure is very important to the successful operation of conveyor.

If the conveyor is going to sit idle for a long time before start-up, they should be covered with plastic or drop cloth to minimize dirt and debris that can settle into chain and tracks.

3.1 Methods of Cleaning

- Warm water and soap are commonly used to clean the conveyor
- The main objective is to clean the chain carrying surface and underside as well as the slide rails and tracks.
- ALWAYS thoroughly rinse all cleaning agents completely off of the chain and conveyor frame. Make sure that the underside of the chain is also rinsed thoroughly.

3.2 Recommendation for Cleaning Solution

- Solution with pH range from 4 to 10
- Avoid phosphoric acid (found in most stainless steel cleaners).
- Avoid chlorine (bleach), ammonia and iodine.
- Most hydrocarbons (mineral spirits, etc.) will not attack acetal chains

All cleaners and lubricants must be compatible with chain, slide rail and sprocket materials. Kindly refer to Appendix A: Corrosion Resistant Guide.

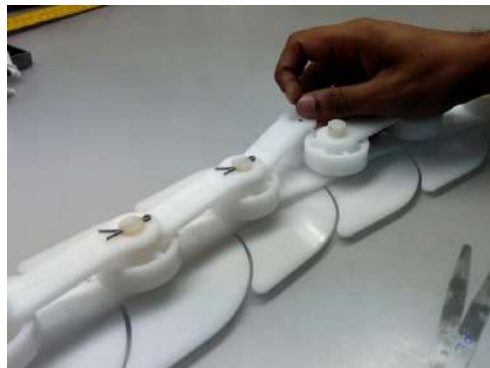
Replacement Guideline

1. Replacement of conveyor chain

Part No.	Description	Tools
PA6 Pin	Plastic Pin	Plier
 Warning: Switch off the main power before proceed maintenance job		



1. Lift up the chain at straight section.
2. Open the cotter pin using the plier by bending the cotter pin side to make it straight.



3. Once the cotter pin is removed, slowly remove the chain pin by taking out the chain link.



4. Now the chain is disconnected.
5. Repeat step 2 and 3 to remove the other links



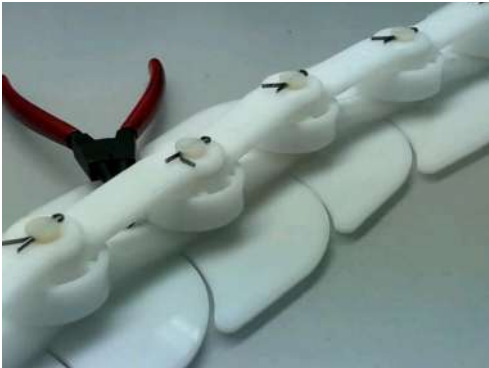
6. Replace the damage chain link(s).

Part No.	Description	Tools
PA6 Pin	Plastic Pin	Plier
 Warning: Switch off the main power before proceed maintenance job		



7. To rejoin the chain link, pull both chain end together until all through holes meet. remove the chain pin by taking out the chin link.

8. Insert the connecting pin passing through all holes.
9. Using the cotter pin, place it through the pin hole.



10. Once the cotter pin is in place, open the ends of the pin to avoid it from opening.
11. Push the snap ring towards the chain by finger to confirm the snap ring is properly fixed.

12. Put the chain link into the conveyor track again and the conveyor is ready to operate.

 **Make sure all the pins and circlips are place properly. Incorrect placing may cause the chain the break**

2. Replacement of Slide Rail

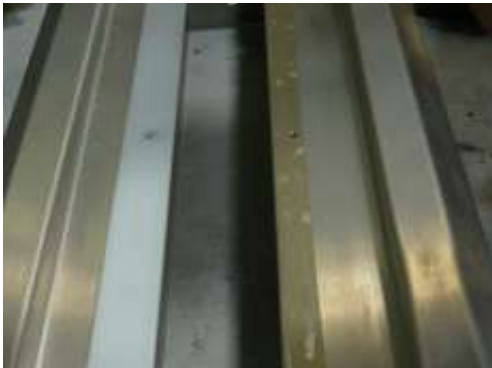
Part No.	Description	Tools
SA SRH 25x5	25mm Slide Rail, Blind Rivets, Double Sided Tape	Rivets Plier, Drill bit size 4.1mm
 Warning: Switch off the main power before proceed maintenance job		



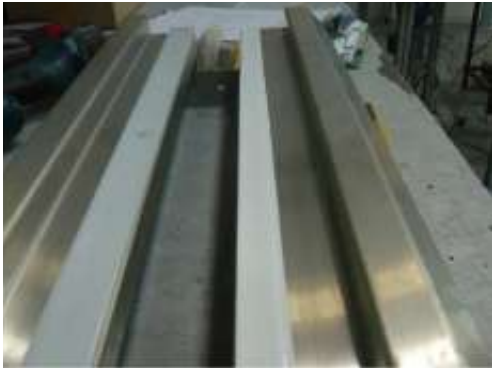
1. Using drill bit size 4.1mm, drill on all the rivets until all the rivets is removed.



2. Once all the rivets are removed, remove the slide rail.



3. Using the thinner, remove the previous double sided tape stain.



4. Using a double sided tape, place a new layer of tape to the frame.

Part No.	Description	Tools
SA SRH 25x5	25mm Slide Rail, Blind Rivets, Double Sided Tape	Rivets Plier, Drill bit size 4.1mm
 Warning: Switch off the main power before proceed maintenance job		



5. Using a new slide rail, place on to the new layer of double sided tape. Make sure, it is place correctly.



6. Using a torch light, point to the frame. Using a marker, mark on the reflected light



7. Using a drill bit size 5mm, drill on the marked point.



8. Insert the blind rivets into the drilled holes. Using a rivet plier, place a rivet accordingly.

 **Make sure all the slide rails are correctly place and it does not block the chain path**

Symptom	Cause	Correction
Jerky running	Damaged or badly fitted slide rail	Inspect and replace as necessary.
	Worn transmission parts	Check/replace transmission chain, chain drive sprocket.
	Conveyor chain is too tight/loose	Tension conveyor chain correctly.
	Dirty conveyor	Clean conveyor chain/slide rail.
		Lubricate with silicone based lubricant.
Noise	Worn or damaged bearings in drive unit	Check/replace drive unit.
	Damaged/badly fitted slide rail	Check the free running of the conveyor chain, especially in slide rail joints.
	Excessive conveyor speed	Lower speed.
		Check actual load against recommended loading.
	Incorrect conveyor chain tension	Lengthen/shorten conveyor chain.
Motor overheating on drive unit	Overloaded conveyor	Remove loads/plates from conveyor and test run.
		Check actual conveyor load against recommended loading.
	Dirty conveyor	Clean the conveyor chain with warm water (50°C).
Chain jumping on sprocket teeth	Excessive chain elongation	Replace the chain and sprocket.
	Improper shaft positioning or sprocket tooth pockets or worn sprockets	Correct the shaft mounting position and sprocket alignment.
	Foreign material lodged in the sprocket tooth pockets or worn sprockets	Clean or replace the sprocket as required
	Sprockets have developed a hooked to the profile	Replace the chain and sprockets as required. Use hardened sprocket teeth where required
Rapid sprocket wear	Abrasive environment	Clean conveyors frequently to reduce the amount of abrasive present.
	Incorrect shaft location	Correct the sprocket alignment
	Incorrect sprocket selection	Use hardened sprocket teeth where required
Premature chain elongation	Abrasives getting into the chain joints	Clean or replace the chain as required
	chain elongation	Remove the source of the high loads. Replace the damaged links. Check chain loading
Chain is squealing or chattering	Chain is trying to pass through a tight section of the conveyor	Make sure that there are no tight spots. Check to assure that proper guide clearances are provided.
	Vibration within conveyor frame	Make sure structure is solid and secure.
Chain does not articulate freely	Pins are bent due to high load	Remove the source of the high loads. Replace the damaged links. Check chain loading.
	Tight joints due to foreign material in hinge	Clean conveyors frequently to reduce the amount of contaminants present

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

<i>Symptom</i>	<i>Cause</i>	<i>Correction</i>
Pulsation	Build up of foreign material on the slide rail	Lift the chain from the track and clean as necessary
	Idler sprockets (if install) do not turn freely due to bad bearing or improper fit on bushed sprockets	Lift the chain free of the tail sprocket and make sure that it spins freely without excessive drag. Re-bore if necessary. Clean the shaft.
	Inadequate clearance	Check to be sure the chain is not being "pinched" by the side guides.
	Non uniform coefficient of friction	Check if the cv is lubricated and reapply a uniform coating of lubricant. Ensure that the same slide rail material is utilized on the same conveyor Lubricate with silicone based lubricant.

Appendix A: Corrosion Resistance Guide

The MODU Conveyor components can basically 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:

<i>Material</i>	<i>Acetal resin POM</i>	<i>Polyamide PA</i>	<i>Hi-density polyethylene HDPE</i>	<i>Elastomer 70A</i>	<i>TPU</i>	<i>Aluminium AL</i>
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

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

<i>Material</i>	<i>Acetal resin POM</i>	<i>Polyamide PA</i>	<i>Hi-density polyethylene HDPE</i>	<i>Elastomer 70A</i>	<i>TPU</i>	<i>Aluminium AL</i>
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 perman- ganate	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

Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

AP

TR

FIN

SLL

SLM

SLS

SML

SMS

EMS

ELS

MAG

MSC

FDR

EDS

DDS

BDS

TDS

SR

HWS

DDC

RMS

SFS

DW

DWS

IM

MM

<i>Material</i>	<i>Acetal resin POM</i>	<i>Polyamide PA</i>	<i>Hi-density polyethylene HDPE</i>	<i>Elastomer 70A</i>	<i>TPU</i>	<i>Aluminium AL</i>
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

<i>Legend</i>	
1	Very Good
2	Good
3	Moderate resistance
4	Not recommended

The table above is 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.

1. Starting up

The unit should be started up gradually: do not immediately apply the maximum load the machine is able to take; look for and correct any malfunction that may be caused by incorrect mounting.

Running-in is not essential for the reduction unit to run properly since modern construction techniques for the gears and castings, the extreme cleanliness of the internal parts, and the excellent qualities of the lubricants used, ensure that the internal parts receive a high degree of protection even during the first moments.

2. Servicing

The high degree of finish of the internal parts ensures that the unit will work correctly with only a minimum amount of servicing

Generally speaking, the following rules should be followed: periodically check that the exterior of the assembly is clean, especially in the cooling areas; periodically check to see if there are any leaks, especially in the areas around the oil seals.

Assemblies that are lubricated for life and thus do not have any oil plugs do not require any special maintenance except as stated above.

For other assemblies, low maintenance is required with an oil change at 8/10,000 hours of use. The change of oil naturally depends on the type of environment and use to which the unit is put.

Apart from the normal maintenance rules given above, make sure the breather hole in the plug is clean and, using the oil window, periodically check that there is sufficient lubricant. Should it be necessary to top up with lubricant, use the same type that is already in the reducer or one that is compatible with it.

In case of doubtful incompatibility between lubricants, we recommend you empty out the oil from the gear-box completely and, before refilling with new oil, wash out the unit to remove any residue.

When changing the oil, follow the previous instructions.

AP

TR

FIN

SLL

SLM

SLS

SML

SMS

EMS

ELS

MAG

MSC

FDR

EDS

DDS

BDS

TDS

SR

HWS

DDC

RMS

SFS

DW

DWS

IM

MM

3. Troubleshooting

PROBLEMS	CAUSES	ACTION (1)	ACTION(2)
The motor does not start.	Problems with power supply. Defective Motor. Wrong size motor.	Check power supply.	Replace electric motor.
Current absorbed by the motor is greater than shown on the data plate.	Wrong size motor.	Check the application.	Replace the electric motor and, if necessary, the reduction unit.
Temperature of the motor housing is very high.	Defective motor. Wrong size motor. Incorrect mounting of motor.	Check the application.	Correct the working conditions: Mounting position and/or lubricant level.
Incorrect rotation speed of the main reducer unit shaft.	Incorrect reduction ratio. Incorrect polarity of motor.	Check reduction ratio. Check polarity of motor.	Replace reduction unit and/or electric motor.
Oil leak from seal.	Defective oil seal. Oil seal damaged during shipment. Defective motor shaft.	Replace the oil seal. Repair motor shaft (if possible)	Replace the part or return the assembly to Motovario.
Oil leak from joint.	Flat gasket or O-ring damaged.	Replace flat gasket or O-ring.	Return the assembly to Motovario.
The main shaft rotates the wrong way.	Incorrect connection of the electric motor.	Swap two phases of the motor supply.	-
Intermittent noise from the gears.	Dents in the gear wheels. Dirt inside the gearbox.	No practical problem if the noise has no effect on the application.	Return the assembly to Motovario if there is significant noise when loaded.
Noise (whine) from the drive assembly.	Bearings incorrectly adjusted. Gears with mesh errors. Insufficient lubricant.	Check correct quantity of lubricant.	Return the assembly to Motovario.
Electric motor vibrates.	Misalignment of the assembly coupling.	Check the geometric tolerance of flange on electric motor. Check tolerance and geometry of key on motor shaft.	Replace the motor.

Appendix C: Recommended Spare Part List

SL-CP 5

Plain chain

Width: 114mm
Supply: 1 roll (5m)



SM-CP 5

Plain chain

Width: 85mm
Supply: 1 roll (5m)



SL-CSM-SLV

SL Chain Sticker

Description: Matt Silver
Supply: 50 pcs



SM-CSG-SLV

SM Chain Sticker

Description: Gloss Silver
Supply: 50 pcs



SL DS 270

SL Drive Sprocket

PCD: 272mm
Teeth: 11
Supply: 1 pc



SM DS 205

SM Drive Sprocket

PCD: 205mm
Teeth: 10
Supply: 1 pc



SL-SR 5

Slide Rail

Width: 25mm
Color: White
Supply: 1 roll (25m)



Sumitomo 0.2Kw/ Sumitomo 0.4Kw

Drive Motor
Gearmotor 0.2kw, 3ph,
415VAC, 50Hz

Supply: 1 Unit



Please consult MODU representative for further information and assistance.

Units: Dimension (mm)

Our Offices:



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Specification and design are subject to change without prior notice due to continuous quality improvement. The actual color of the product may differ slightly from the picture due to print clarity.



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