



# Component Catalogue

**2025 Edition**



# Contents

<b>3</b>	– The Complete Lean Tube Process
<b>4</b>	– Complete Lean Tube?
<b>6</b>	– Lean Solutions
<b>7</b>	– Work Cells
<b>8</b>	– E-cart
<b>9</b>	– Height Adjustable Station
<b>10</b>	– Towable Carts
<b>11</b>	– Material Storage
<b>14</b>	– Tubes
<b>17</b>	– Joints
<b>29</b>	– Roller track
<b>35</b>	– Brackets
<b>46</b>	– Accessories
<b>61</b>	– Technical Specifications

# The Complete Lean Tube Process

At Complete Lean Tube we offer an experience, all products are made bespoke to fit your specific requirements. To achieve this, it is necessary to follow this sequence of operations.

1

**Initial Enquiry**



2

**Site Visit**



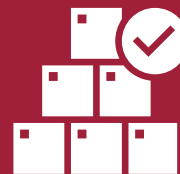
3

**Design Process**



4

**Order Confirm**



5

**Building Process**



6

**Shipping Delivery**



# Complete Lean Tube?

The lean tube system is a versatile modular component system, assembled using interconnecting tubes and joints. The systems are designed to suit a wide variety of applications such as manual handling, storage, assembly and manufacturing.

The Lean Tube system can benefit the working environment in a multitude of different ways such as:

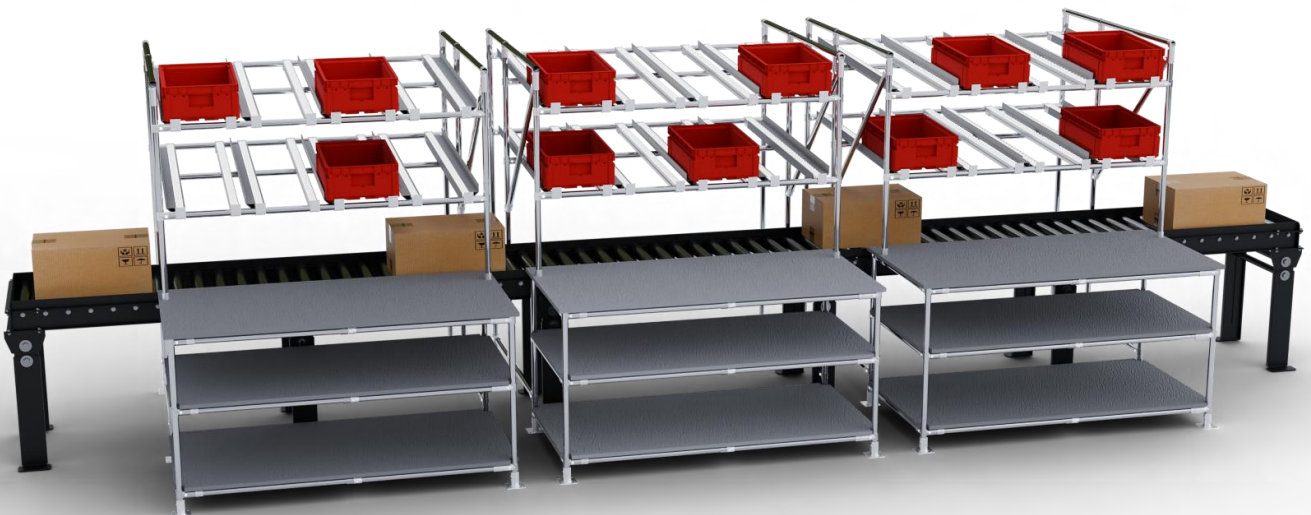
**Ergonomic  
Setups**

**Improved  
Efficiency**

**Enhancing  
Workflow**

**Promotes  
Flexibility**

**Modular  
Adjustments**



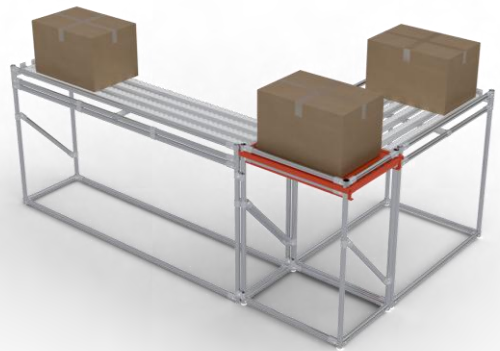


# Lean Solutions

Complete Lean Tube specialises in delivering custom solutions aligned with lean manufacturing and lean engineering principles to improve workplace efficiency sustainably and cost effectively.

## Conveyor

Whether used for transporting goods in a warehouse, assembly line, or distribution centre, the tube and joint conveyor is an efficient, cost-effective way to streamline material movement and improve productivity.



## Workbench

Workbenches provide flexible, durable, and cost-effective solution for various industries. Used for light office work, heavy assembly tasks, or precise laboratory functions, this workbench can be easily customised to meet unique requirements.



## Flowrack

Flowrack systems offer a highly flexible, efficient, and durable solution for managing inventory in a variety of industries. Its modular design and flow system make it an ideal choice for environments that require constant stock rotation and fast, efficient order picking.





## Trolley

Our tube and joint trolley is an excellent choice for businesses looking for a customisable, durable, and flexible solution for moving goods and materials in a range of industries.

## Shelving

Shelving can be Light-duty or heavy-duty storage. Its customisable design, ease of assembly, and ability to be adapted to changing storage needs makes it an ideal choice for businesses, warehouses, and retail spaces.



## Display

A tube and joint display is an extremely versatile, customisable, and cost-effective solution for any setting where products or information need to be showcased. Used in retail, exhibitions or trade shows.



## Work Cell

A work cell, is a specific arrangement of resources within a manufacturing or office environment designed to improve the quality, speed, and the cost effectiveness of a process.



# Work Cells

A work cell, is a specific arrangement of resources within a manufacturing or office environment designed to improve the quality, speed, and the cost effectiveness of a process by optimising workflow and minimising waste.





# E-Cart

The E-Cart makes material handling and transportation effortless. Motorised trollies assist the user reducing strain when moving heavy loads and improving efficiency.



# Height Adjustable Station

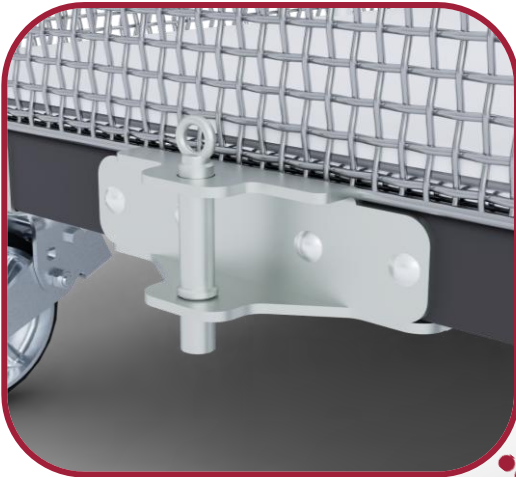
As part of the E-Range height adjustable desks utilise the simplicity of the lean tube system and the ergonomics of height adjustable workstations to bring you an adaptable and efficient working environment.





# Towable Carts

Built using the Lean Tube system towable carts can be designed to meet specific load requirements, parts movement and workflow needs. Ideal for towing individually or in train systems, the lightweight yet robust construction make them suitable for operations.



# Material Storage

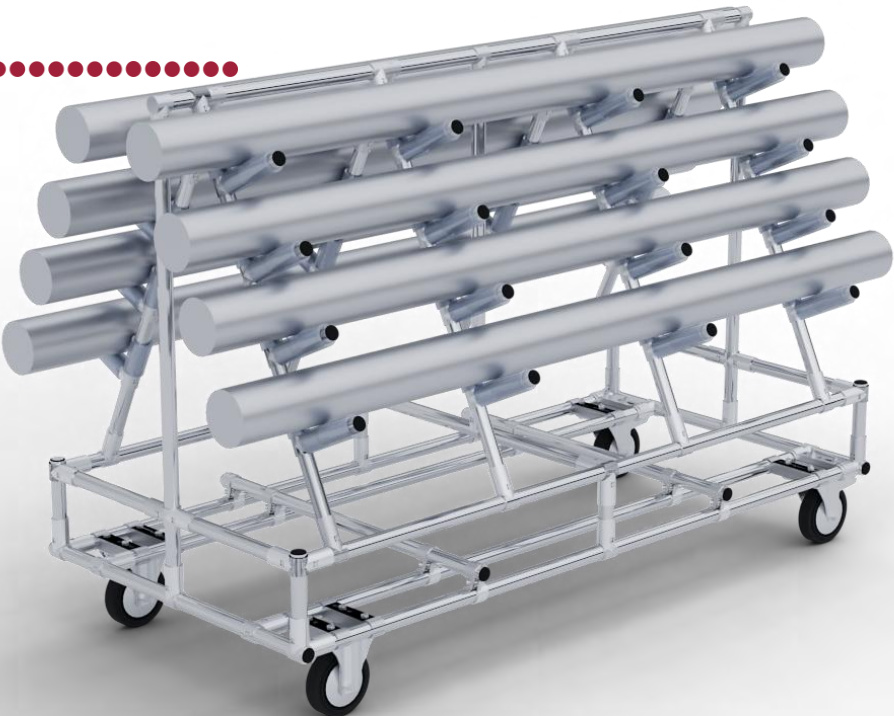
Utilising our tube and joint system, we can provide various adaptable and efficient storage solutions for unique parts and materials designed around accessibility and space utilisation.



..... **Light Material Storage**



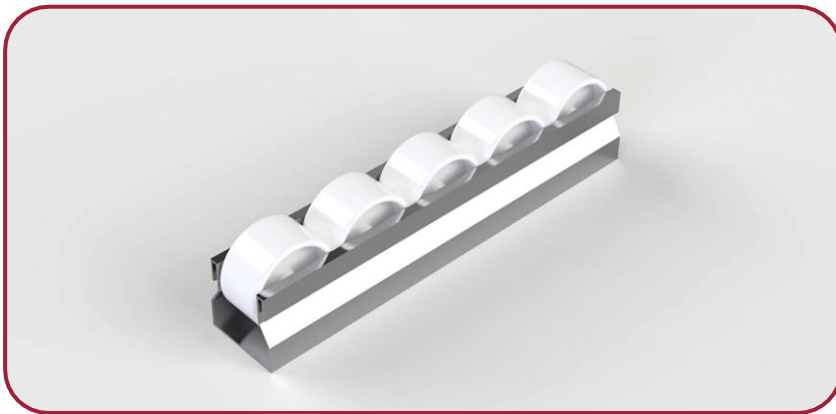
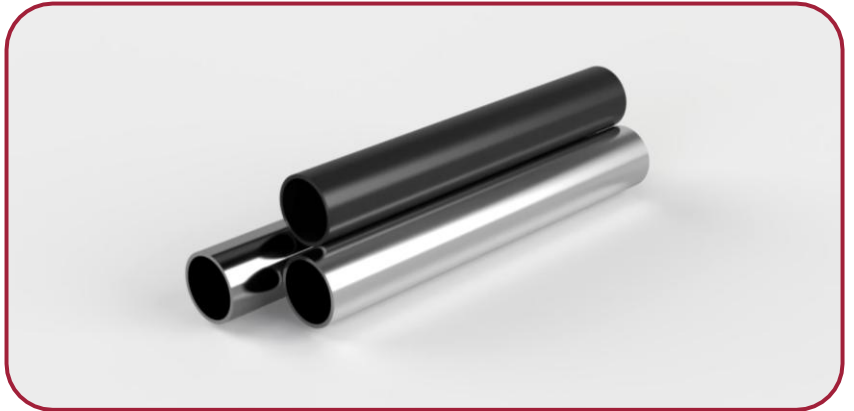
**Heavy Material Storage** .....







# Components Catalogue



## Complete Lean Tube

Email: [sales@completeleantube.co.uk](mailto:sales@completeleantube.co.uk)

Telephone: 01949 358 758

Operating Hours: Mon to Fri 9am-5pm

Unit 6, Barbrey Business Park, Orston Lane, Bottesford,  
Nottingham, NG13 OGY

# Tubes

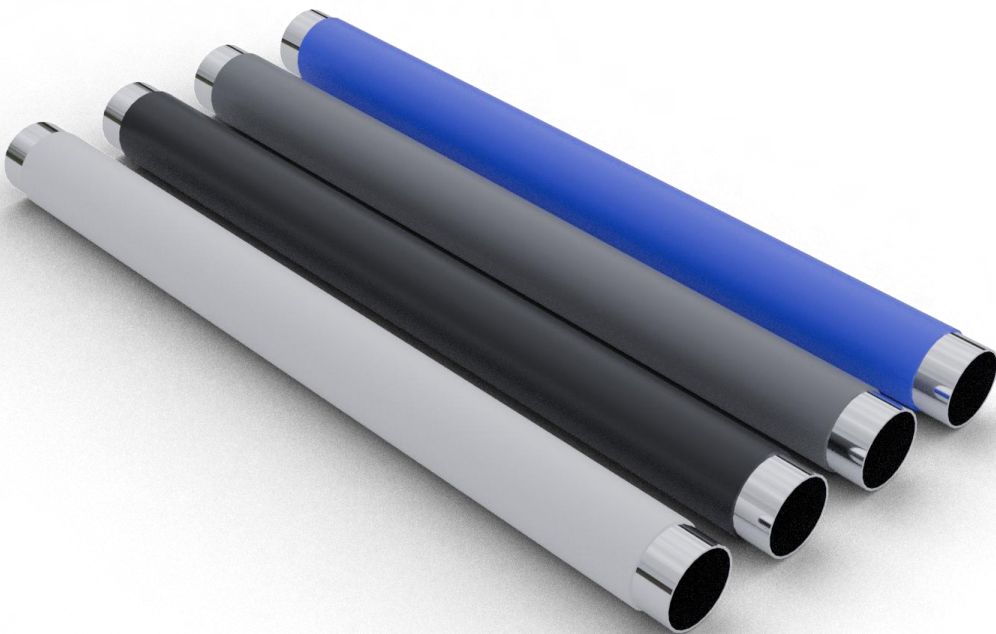
In a tube and joint system, the tube serves as the primary structural element. Tubes act like the skeleton of the system. They provide the framework that supports loads—this could be for shelving, workstations, carts, flow racks, or custom equipment.

## Stock

Stainless Steel Tube

Antistatic Tube

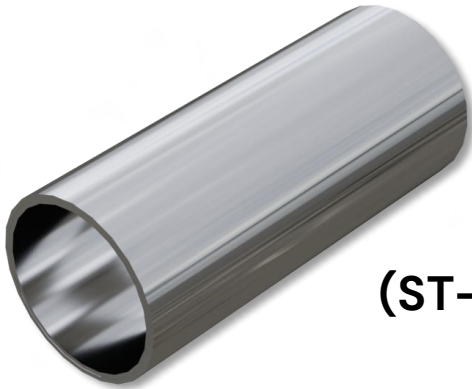
Plastic coated Tube (coloured)





# Tubes

At Complete Lean Tube, our pipe diameter 27.6mm.



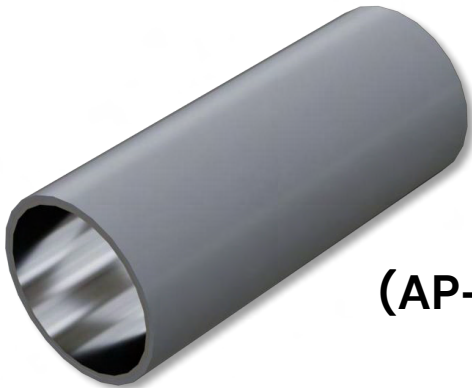
**(ST-1110)**

## **Stainless Tube (201 Grade)**

Tube Diameter - 27.6mm

Material width – 1.1mm

Material Weight - 708g/m



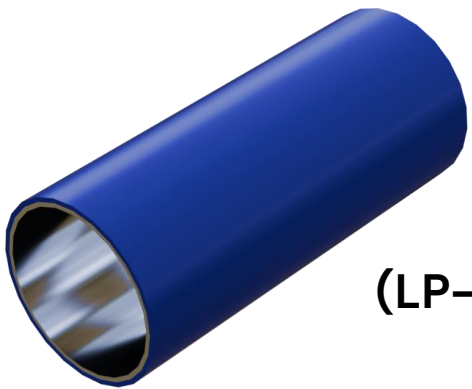
**(AP-1100)**

## **Antistatic Tube**

Tube Diameter - 27.6mm

Wall Thickness- 1mm

Material Weight - 676g/m



**(LP-1100)**

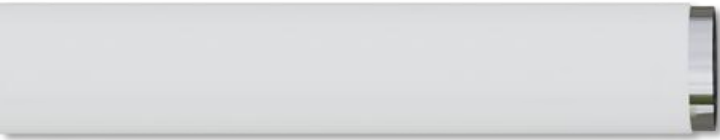
## **Plastic Coated Tube**

Tube Diameter - 27.6mm

Material width - 1mm

Material Weight - 676g/m

# Plastic Coated Tube



**White (LP-1100 WH)**



**Ivory (LP-1100 IV)**



**Grey (LP-1100 GR)**



**Black (LP-1100 BK)**



**Blue (LP-1100 BL)**



**Red (LP-1100 RD)**



**Green (LP-1100 GN)**

# Joints

Joints are used to connect, support, and stabilise the tubes at various angles and configurations. Joints allow for the connection of two or more tubes at fixed angles. They act as a clamp or sleeve, holding the pipes securely in place.

## Stock

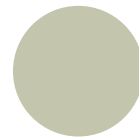
### Surface Treatment



Black (BK)  
Electrodeposition  
Coated



Silver (SV)  
Trivalent  
Chromium Plated



Nickel (NI)  
Nickel  
Plated



# Joints – Individual

Silver (SV)

H-1 SV 240pcs/box



H-1B SV 240pcs/box



H-2 SV 150pcs/box



H-3 SV 70pcs/box



H-4 SV 180pcs/box



H-5 SV 300pcs/box



H-6 SV 300pcs/box



H-6B SV 300pcs/box



H-7 SV 180pcs/box



H-7B SV 180pcs/box



H-8 SV 300pcs/box



H-9 SV 100pcs/box



H-10 SV 180pcs/box



H-11 SV 200pcs/box



H-11B SV 200pcs/box



H-12 SV 200pcs/box



H-13 SV 140pcs/box



H-14 SV 150pcs/box



# Joint s - Individual

Silver
(SV)

H-15 SV 300pcs/box



H-15B SV 240pcs/box



H-16 SV 300pcs/box



H-16B SV 300pcs/box



H-17 SV 180pcs/box



H-18 SV 240pcs/box



H-19 SV 250pcs/box



H-20 SV 150pcs/box



H-21 SV 150pcs/box



H-22 SV 180pcs/box



H-23 SV 180pcs/box



H-45A SV 140pcs/box



H-45B SV 140pcs/box



H-108 SV 140pcs/box



H-162 SV 180pcs/box





# Joints – Individual

Black (BK)

H-1 BK 240pcs/box



H-1B BK 240pcs/box



H-2 BK 150pcs/box



H-3 BK 70pcs/box



H-4 BK 180pcs/box



H-5 BK 300pcs/box



H-6 BK 300pcs/box



H-6B BK 300pcs/box



H-7 BK 180pcs/box



H-7B BK 180pcs/box



H-8 BK 300pcs/box



H-9 BK 100pcs/box



H-10 BK 180pcs/box



H-11 BK 200pcs/box



H-11B BK 200pcs/box



H-12 BK 200pcs/box



H-13 BK 140pcs/box



H-14 BK 150pcs/box



# Joints – Individual

Black (BK)

H-15 BK 300pcs/box



H-15B BK 240pcs/box



H-16 BK 300pcs/box



H-16B BK 300pcs/box



H-17 BK 180pcs/box



H-18 BK 240pcs/box



H-19 BK 250pcs/box



H-20 BK 150pcs/box



H-21 BK 150pcs/box



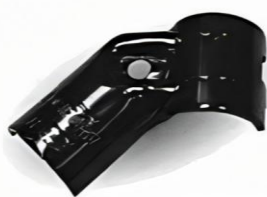
H-22 BK 180pcs/box



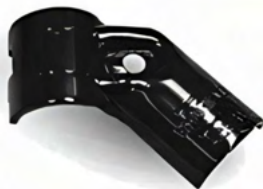
H-23 BK 180pcs/box



H-45A BK 140pcs/box



H-45B BK 140pcs/box



H-108 BK 140pcs/box



H-162 BK 180pcs/box



# Joints – Individual

Nickel (NI)

H-1 NI 240pcs/box



H-1B NI 240pcs/box



H-2 NI 150pcs/box



H-3 NI 70pcs/box



H-4 NI 180pcs/box



H-5 NI 300pcs/box



H-6 NI 300pcs/box



H-6B NI 300pcs/box



H-7 NI 180pcs/box



H-7B NI 180pcs/box



H-8 NI 300pcs/box



H-9 NI 100pcs/box



H-10 NI 180pcs/box



H-11 NI 200pcs/box



H-11B NI 200pcs/box



H-12 NI 200pcs/box



H-13 NI 140pcs/box



H-14 NI 150pcs/box



# Joints – Individual

Nickel (NI)

H-15 NI 300pcs/box



H-15B NI 240pcs/box



H-16 NI 300pcs/box



H-16B NI 300pcs/box



H-17 NI 180pcs/box



H-18 NI 240pcs/box



H-19 NI 250pcs/box



H-20 NI 150pcs/box



H-21 NI 150pcs/box



H-22 NI 180pcs/box



H-23 NI 180pcs/box



H-45A NI 140pcs/box



H-45B NI 140pcs/box



H-108 NI 140pcs/box



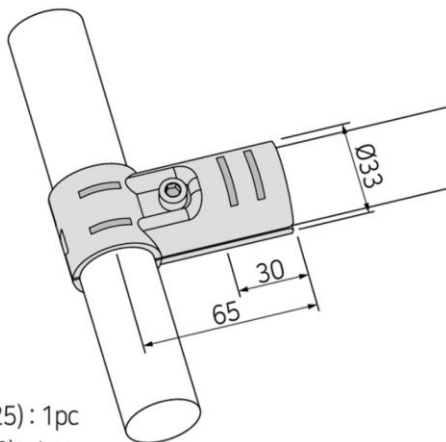
H-162 NI 180pcs/box





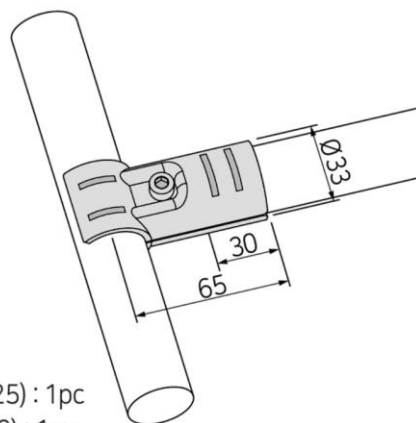
# Joints - Set

90 ° JOINT TO FORM T-INTERSECTION OR CORNER



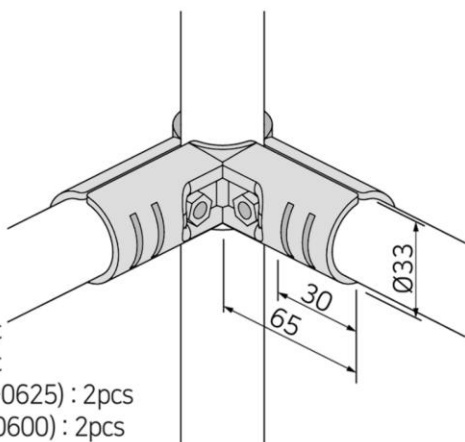
H-1 : 2pcs  
Bolt(WB-0625) : 1pc  
Nut(NU-0600) : 1pc

90 ° JOINT OPEN TO FORM T-INTERSECTION OR CORNER



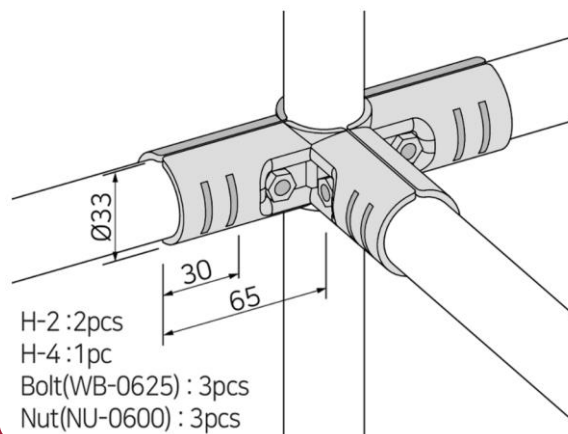
H-1B : 2pcs  
Bolt(WB-0625) : 1pc  
Nut(NU-0600) : 1pc

INSIDE CORNER JOINT TO FORM 3 WAY PIPE INTERSECTION



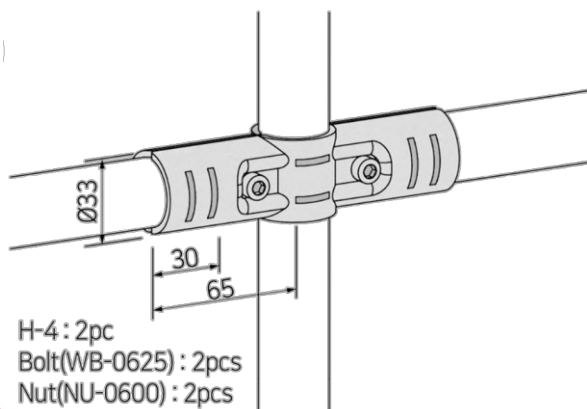
H-2 : 1pc  
H-3 : 1pc  
Bolt(WB-0625) : 2pcs  
Nut(NU-0600) : 2pcs

OUTSIDE CORNER JOINT TO FORM 4 WAY PIPE INTERSECTION



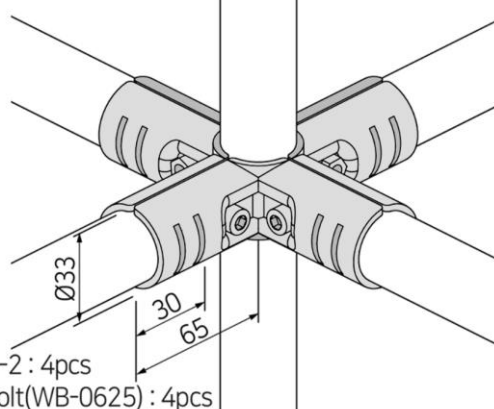
H-2 : 2pcs  
H-4 : 1pc  
Bolt(WB-0625) : 3pcs  
Nut(NU-0600) : 3pcs

EXTENDER SUPPORT JOINT TO FORM CROSS AND 3 WAY PIPE INTERSECTION



H-4 : 2pc  
Bolt(WB-0625) : 2pcs  
Nut(NU-0600) : 2pcs

INSIDE CORNER JOINT TO FORM 5 WAY PIPE INTERSECTION

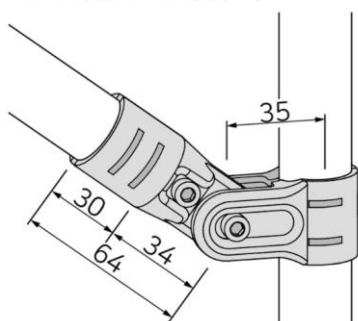


H-2 : 4pcs  
Bolt(WB-0625) : 4pcs  
Nut(NU-0600) : 4pcs



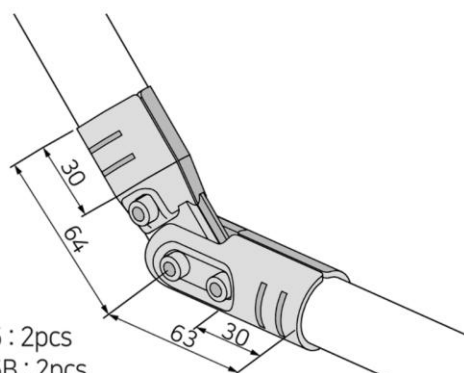
# Joints - Set

MULTI ANGLE JOINT EXTENSION,  
TO FORM AN ANGLE INTERSECTION



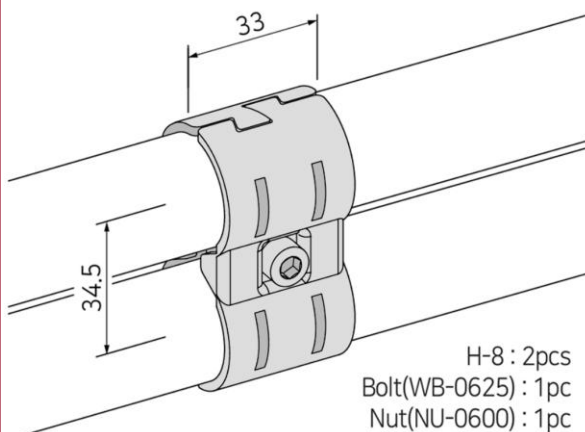
H-5 : 2pcs  
H-6 : 2pcs  
Bolt(WB-0625) : 2pcs  
Nut(NU-0600) : 2pcs

MULTI ANGLE JOINT INTERIOR,  
TO FORM AN ANGLE INTERSECTION



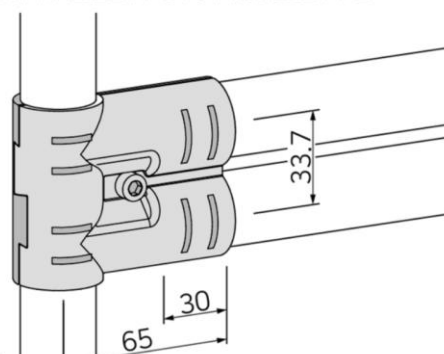
H-6 : 2pcs  
H-6B : 2pcs  
Bolt(WB-0625) : 3pcs  
Nut(NU-0600) : 3pcs

PARALLEL PIPE JOINT



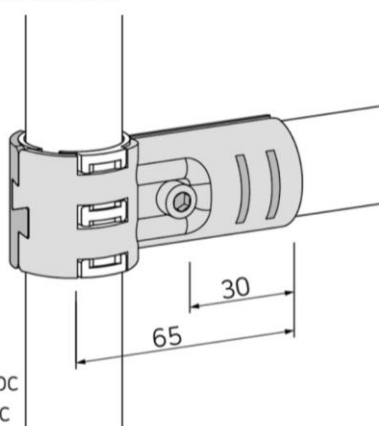
H-8 : 2pcs  
Bolt(WB-0625) : 1pc  
Nut(NU-0600) : 1pc

DOUBLE 90 ° PARALLEL PIPE JOINT TO  
CONNECT PARALLEL PIPE TO A SINGLE PIPE



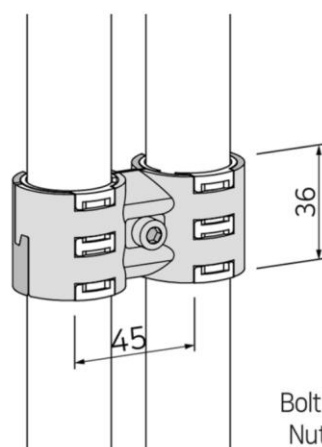
H-9 : 2pcs  
Bolt(WB-0625) : 1pc  
Nut(NU-0600) : 1pc

90 ° HINGE JOINT, SLIDING JOINT  
TO 2 WAY PIPE INTERSECTION



H-10 : 2pcs  
PJ-140A : 1pc  
Bolt(WB-0625) : 1pc  
Nut(NU-0600) : 1pc

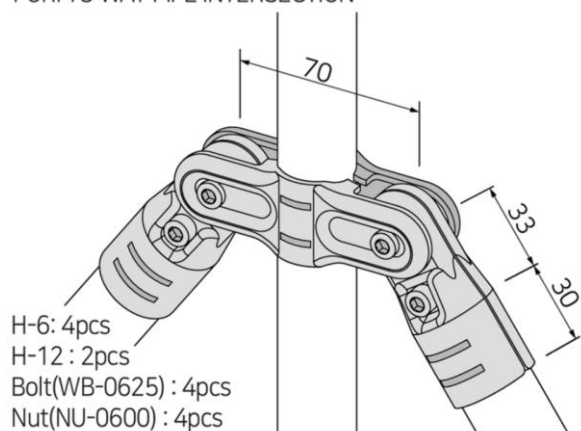
DOUBLE HINGE JOINT TO CONNECT PARALLEL PIPE



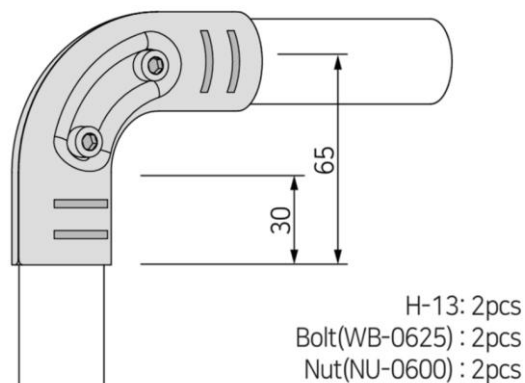
H-11 : 2pcs  
PJ-140A : 2pcs  
Bolt(WB-0625) : 1pc  
Nut(NU-0600) : 1pc

# Joints - Set

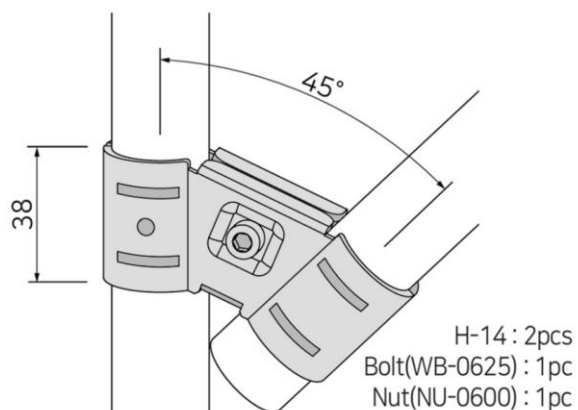
TWO SIDED MULTI ANGLE JOINT TO FORM 3 WAY PIPE INTERSECTION



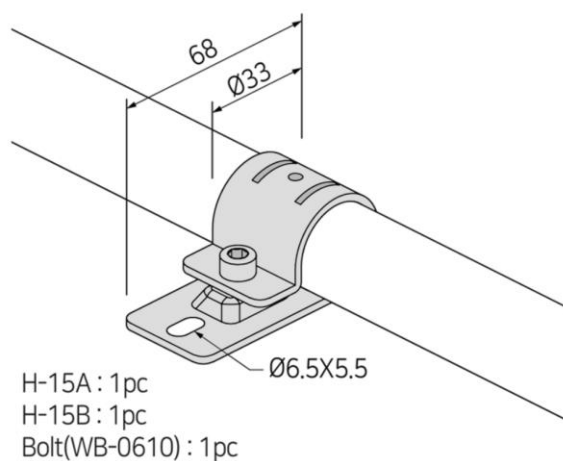
RADIUS JOINT TO FORM A BEND PIPE



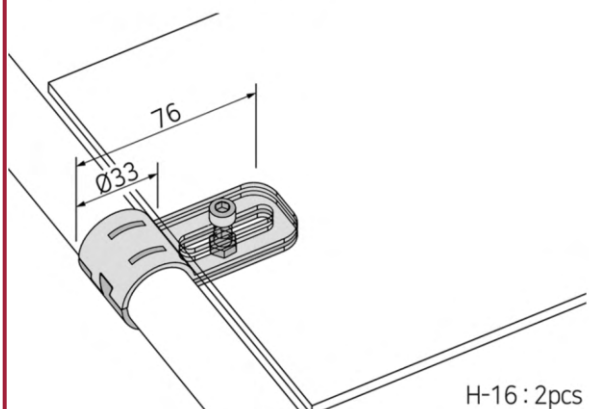
45 ° SUPPORT JOINT TO FORM AN ANGLE INTERSECTION



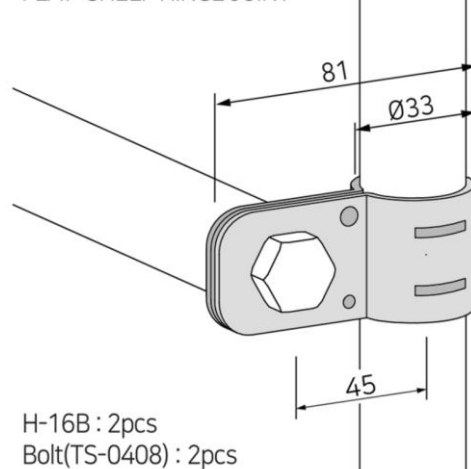
MOUNTING CLAMP



90 ° FLAT WITH SLOTTED JOINT TO CONNECT PIPE AND THE PLATE

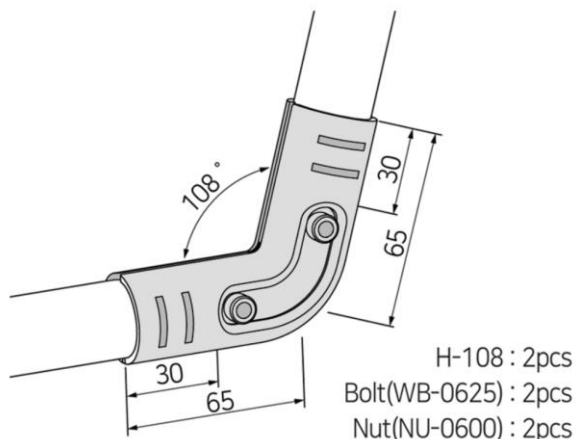


FLAT SHELF HINGE JOINT

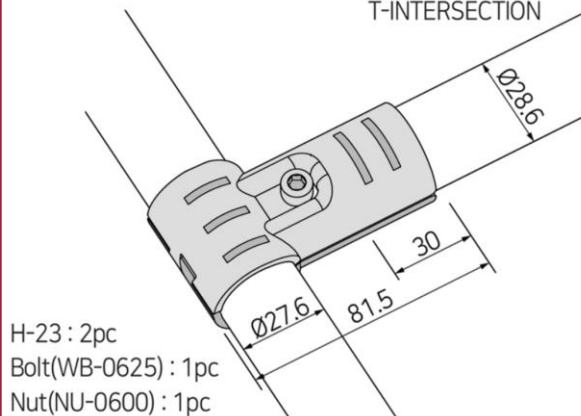


# Joints - Set

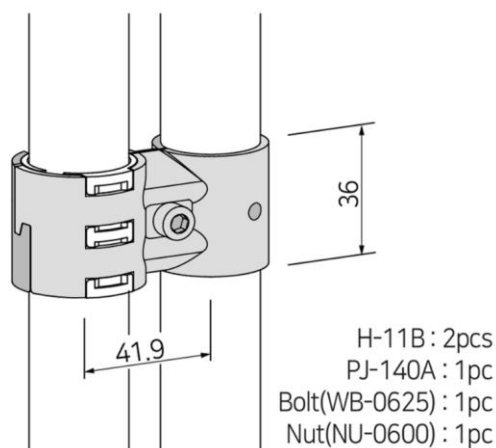
108 ° JOINT TO FORM AN ANGLE TO BEND PIPE



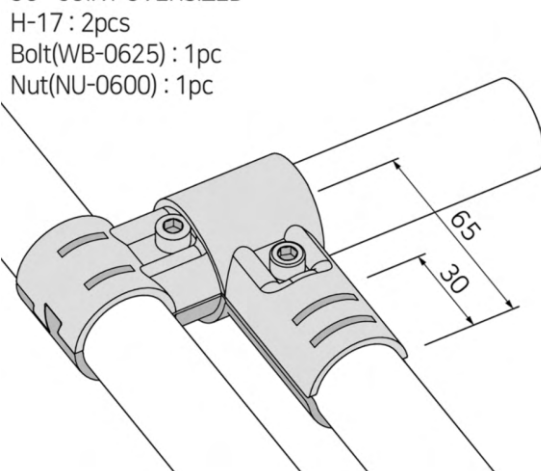
90 ° INTERCHANGEABLE JOINT  
(28mm/28.6mm) FOR CORNER OR  
T-INTERSECTION



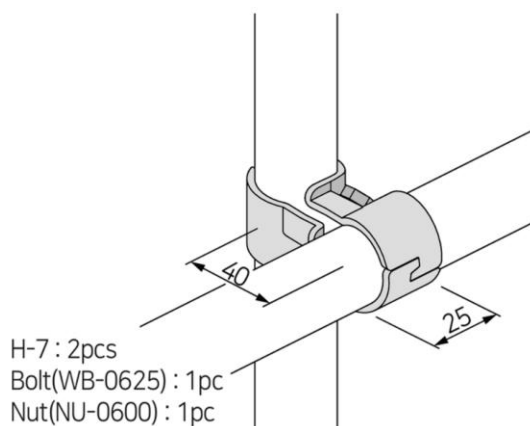
SINGLE HINGE JOINT TO CONNECT PARALLEL PIPE



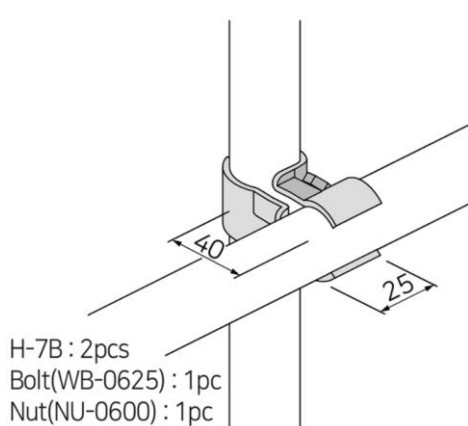
90 ° JOINT OVERSIZED



INTERSECT JOINT, DOUBLE LOCK TO  
FORM CROSS AND 2 WAY PIPE INTERSECTION

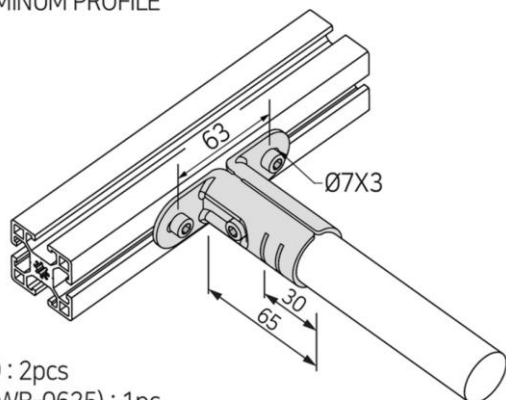


INTERSECT JOINT, SINGLE LOCK TO  
FORM CROSS AND 2 WAY PIPE INTERSECTION



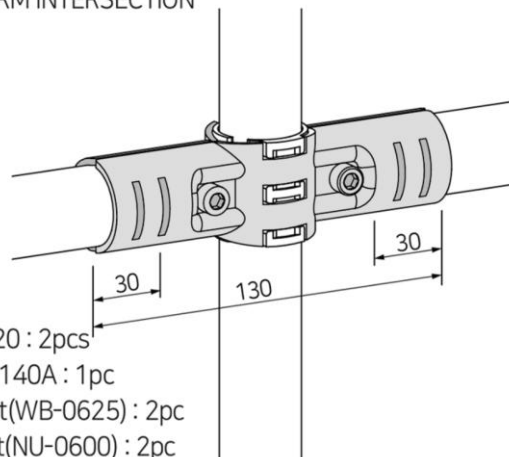
# Joints – Set

90 ° JOINT WITH FLAT END TO CONNECT ALUMINUM PROFILE



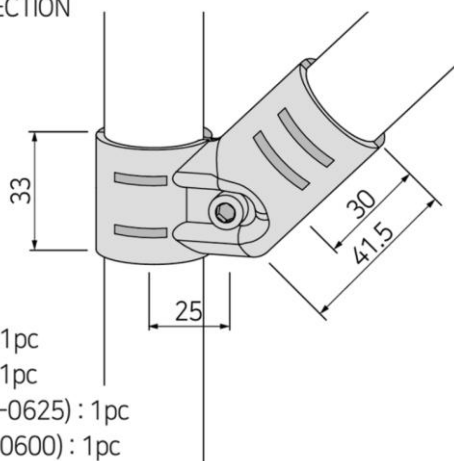
H-19 : 2pcs  
Bolt(WB-0625) : 1pc  
Nut(NU-0600) : 1pc

EXTENDER SUPPORT SWIVEL JOINT TO FORM INTERSECTION



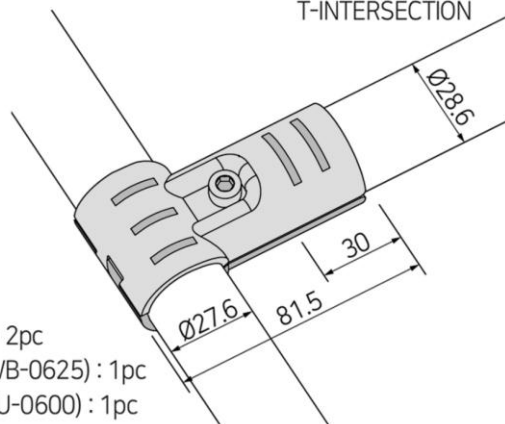
H-20 : 2pcs  
PJ-140A : 1pc  
Bolt(WB-0625) : 2pc  
Nut(NU-0600) : 2pc

45 ° SUPPORT JOINT TO FORM AN ANGLE INTERSECTION



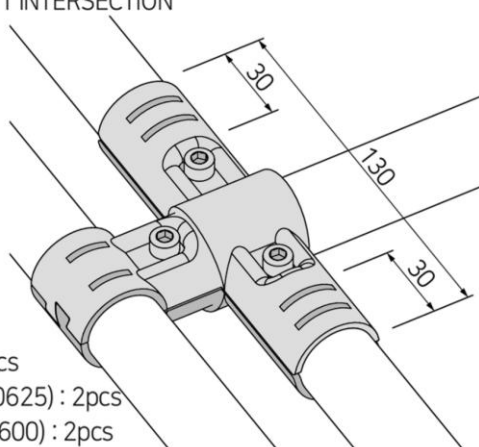
H-45A : 1pc  
H-45B : 1pc  
Bolt(WB-0625) : 1pc  
Nut(NU-0600) : 1pc

90 ° INTERCHANGEABLE JOINT (28mm/28.6mm) FOR CORNER OR T-INTERSECTION



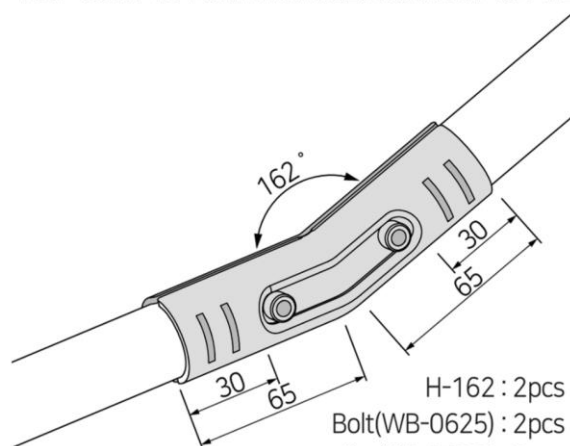
H-23 : 2pc  
Bolt(WB-0625) : 1pc  
Nut(NU-0600) : 1pc

EXTENDER SUPPORT OVERSIZED JOINT TO FORM T INTERSECTION



H-21 : 2pcs  
Bolt(WB-0625) : 2pcs  
Nut(NU-0600) : 2pcs

162 ° JOINT TO FORM AN ANGLE CONNECT TO PIPE



H-162 : 2pcs  
Bolt(WB-0625) : 2pcs  
Nut(NU-0600) : 2pcs



# Roller Track

Often used in modular racking, workstations, and material handling setups a track provides a path for materials to move along in a controlled and repeatable way. This is especially useful in Flow racks for FIFO (First-In, First-Out) systems using gravity-fed roller tracks, where materials slide down from one end to the other.

## Stock

---

*"Series refers to the outer width in Millimetre"*

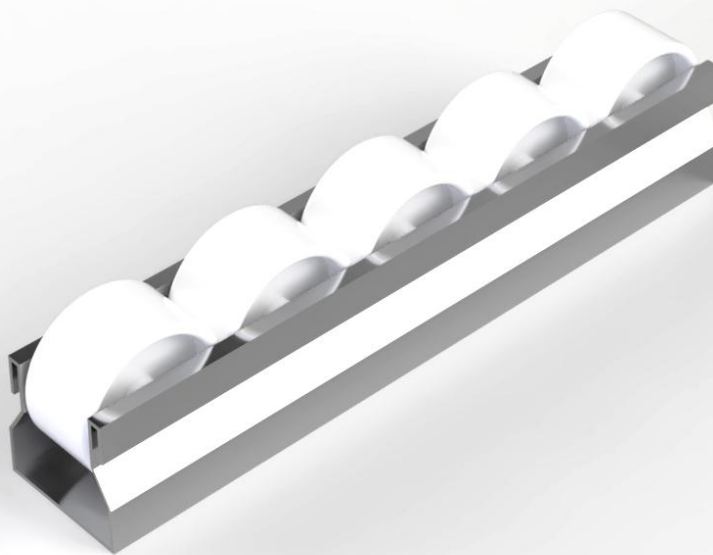
35 Series

40 Series

60 Series

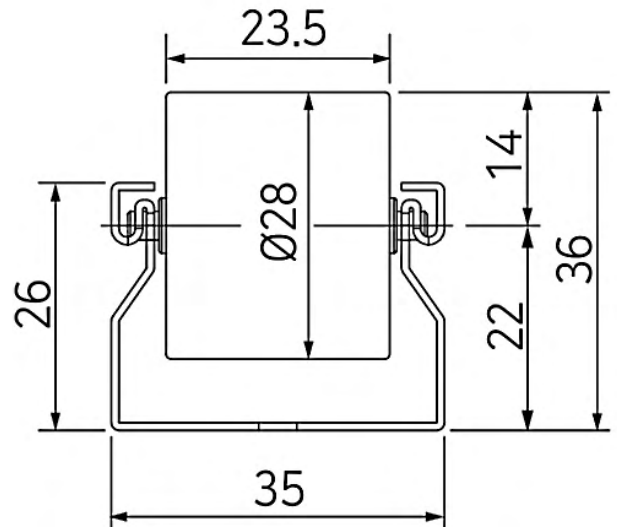
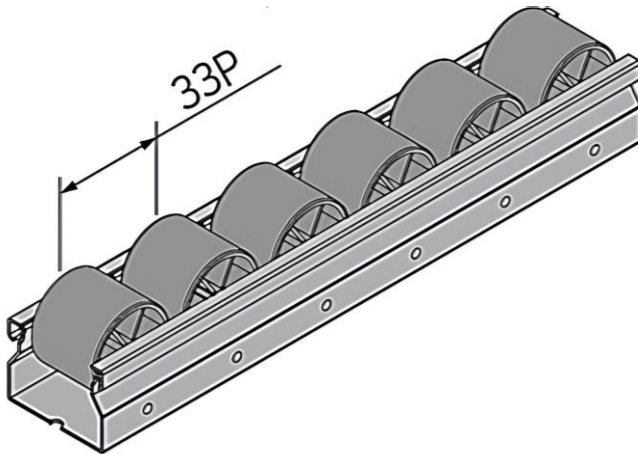
73 Series

80 Series

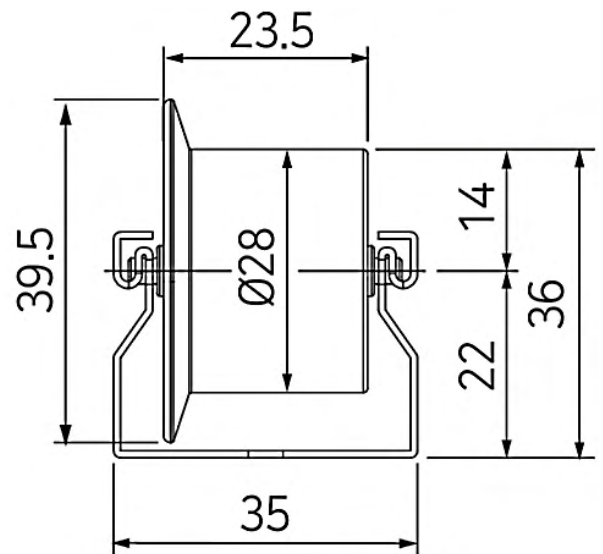
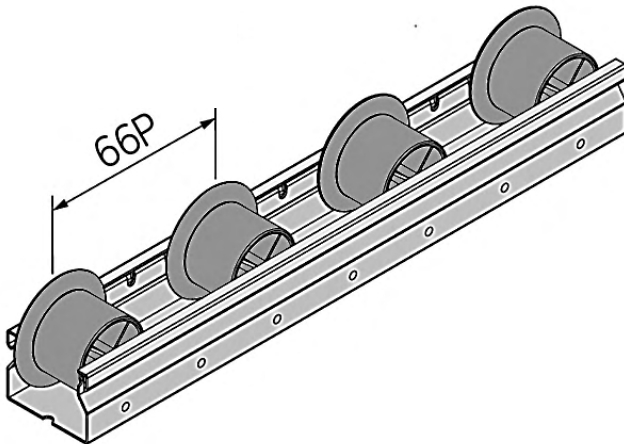


# 35 series

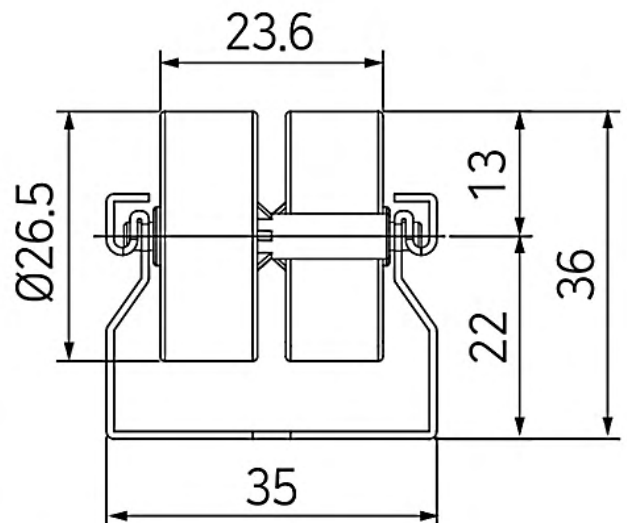
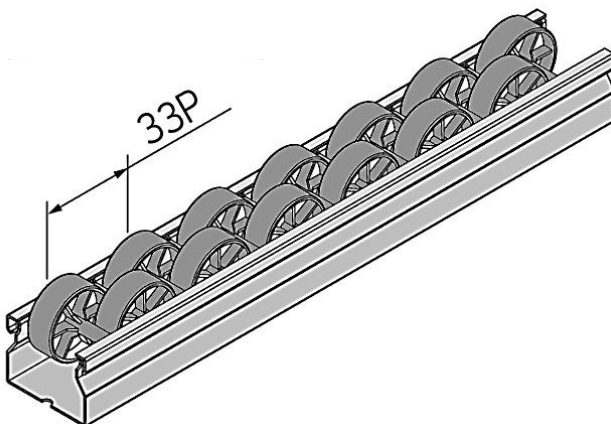
PL-351F-GM



PL-351G-GM

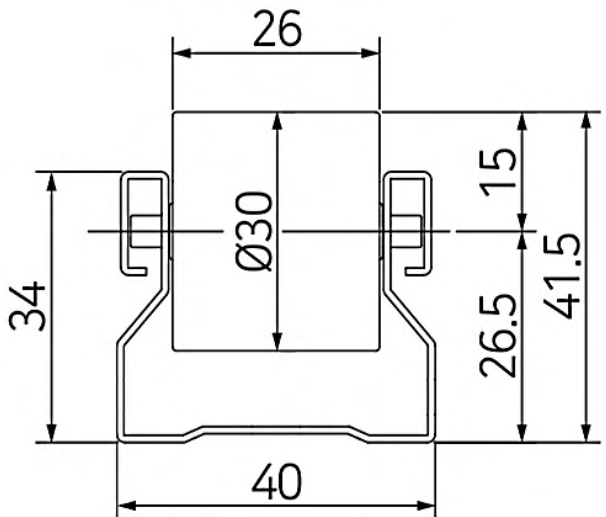
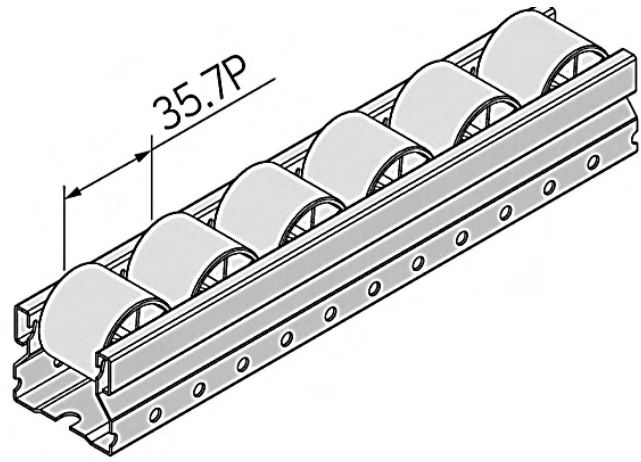


PL-351M-GM

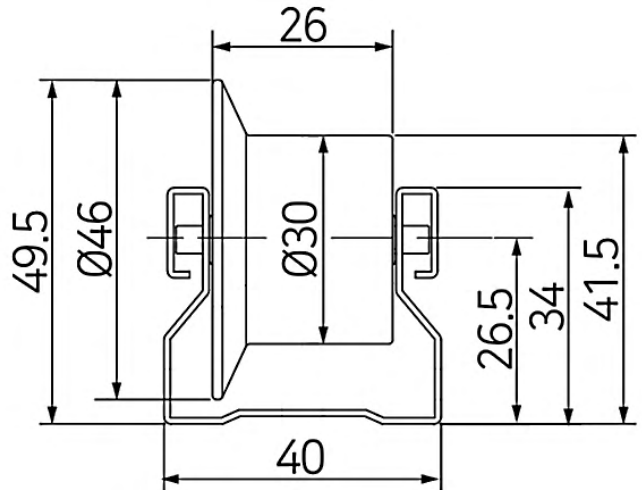
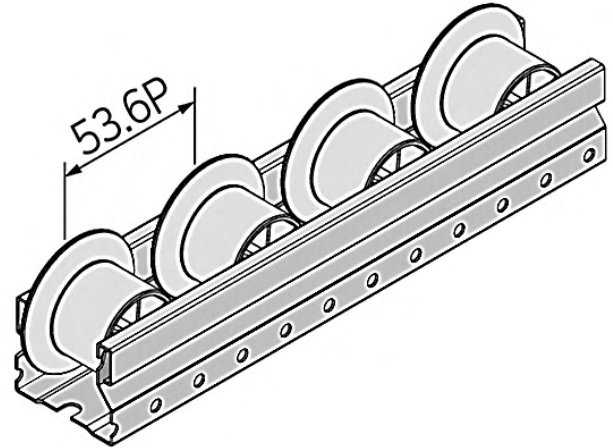


# 40 series

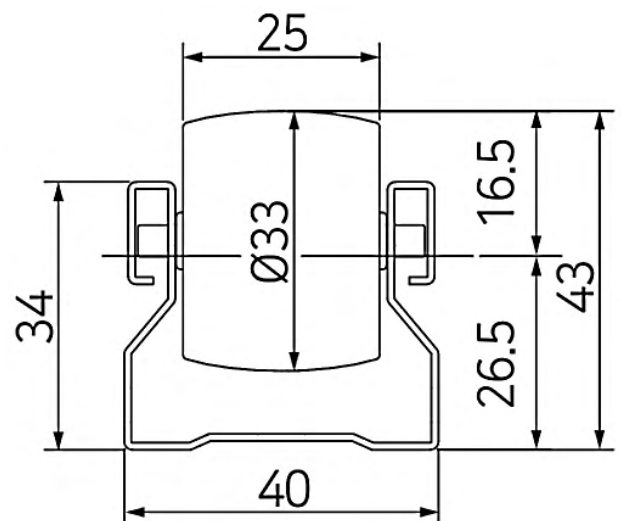
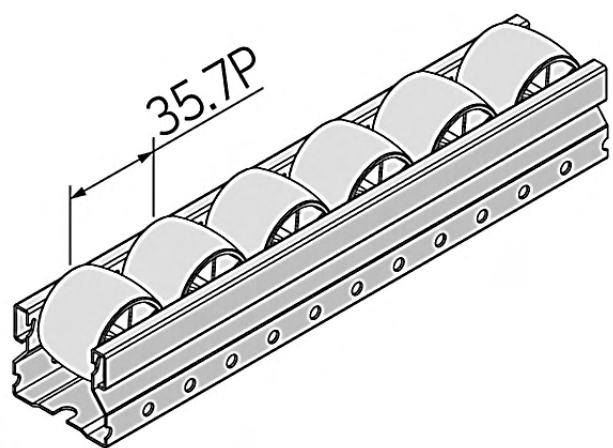
PL-401F-WM



PL-401G-WM

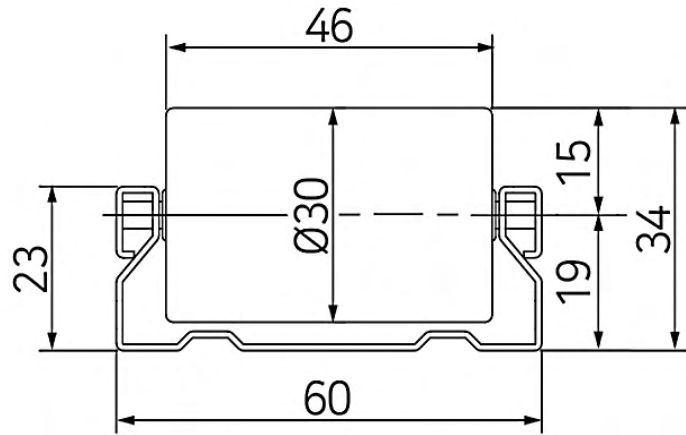
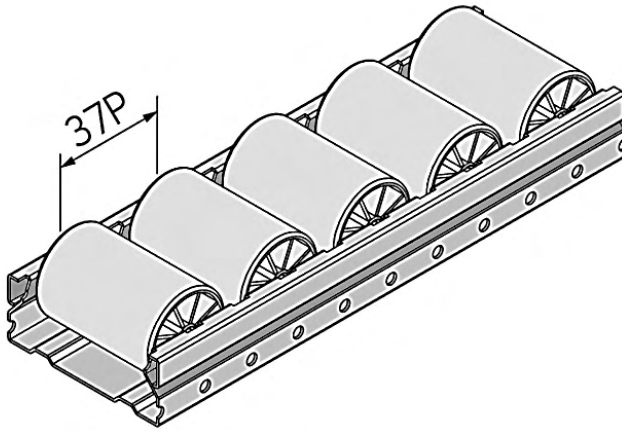


PL-401R-WL

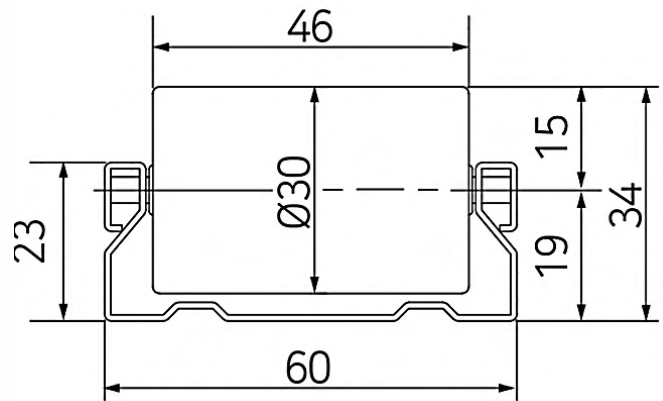
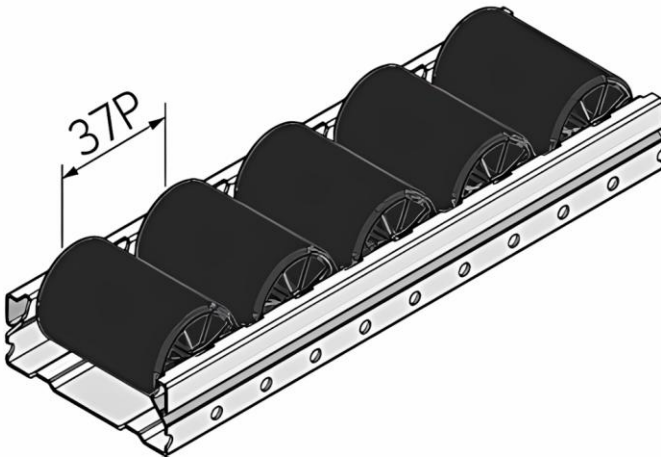


# 60 series

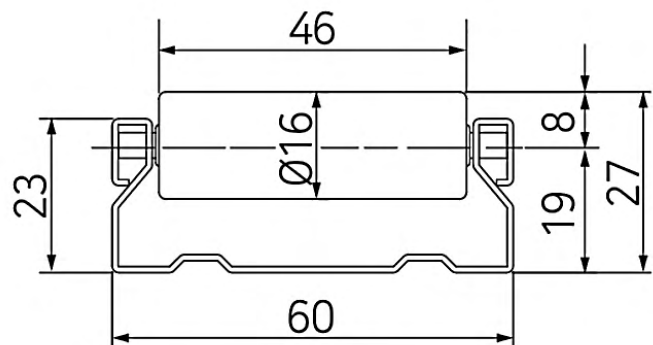
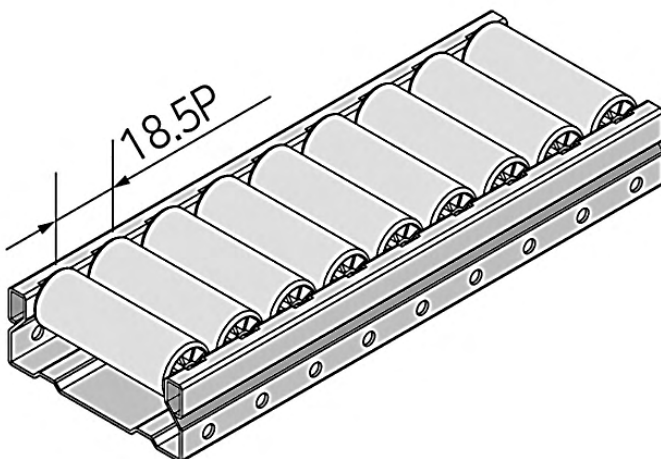
PL-601F-WM



PL-601G-EM



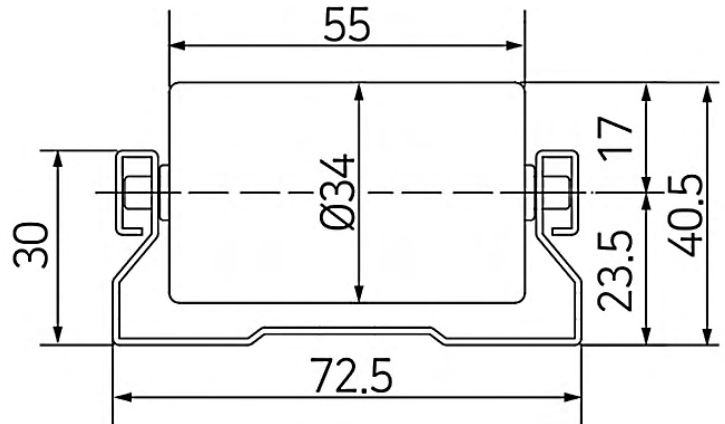
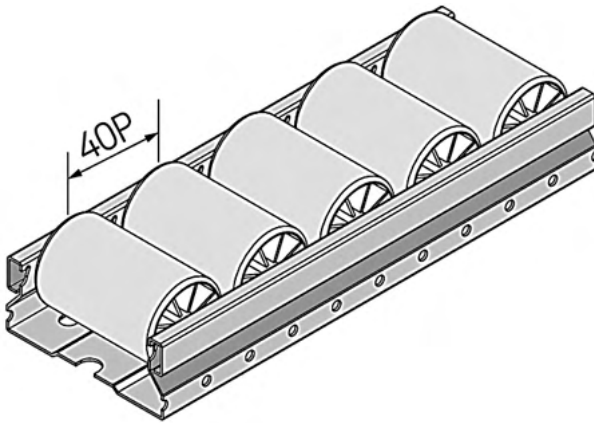
PL-601R-WS



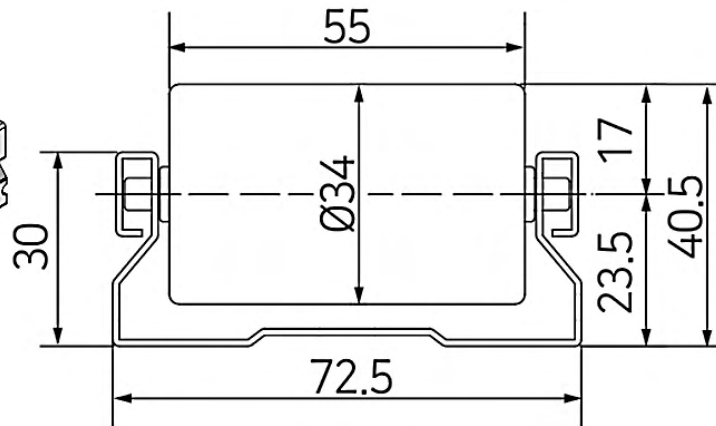
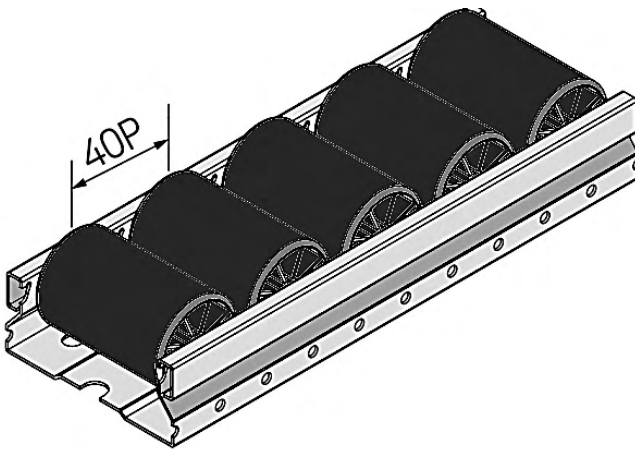


# 73 series

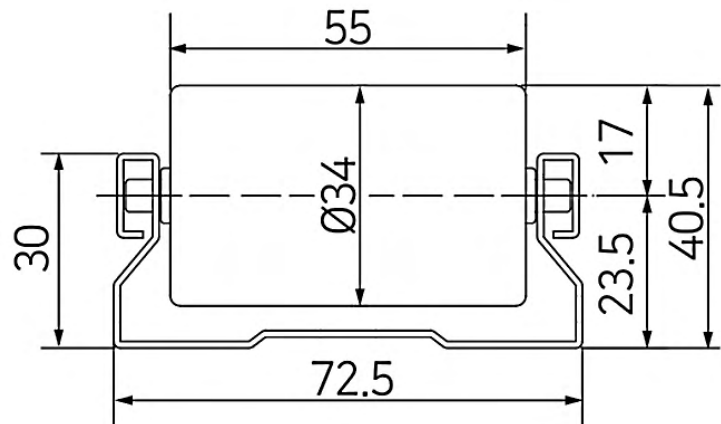
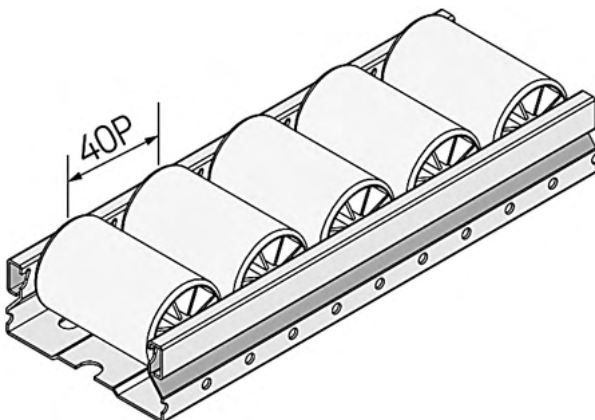
PL-731F-WL



PL-731F-EL

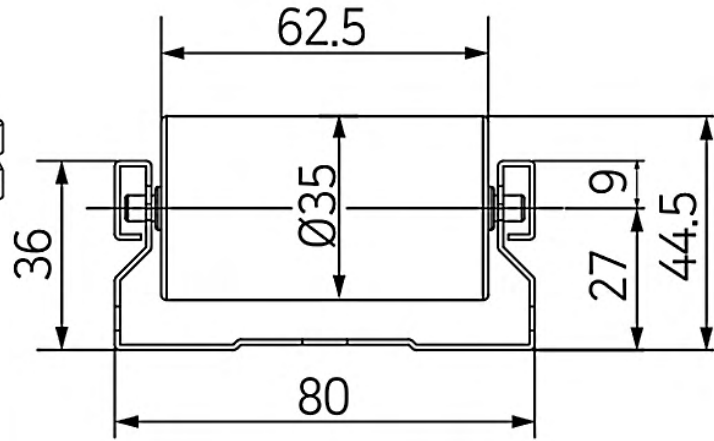
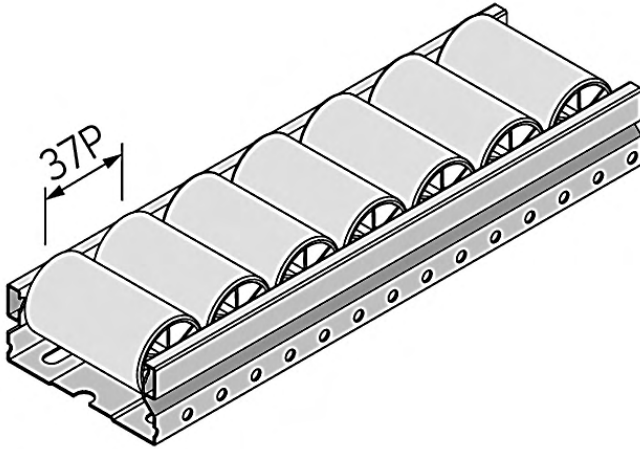


PL-731F-TL

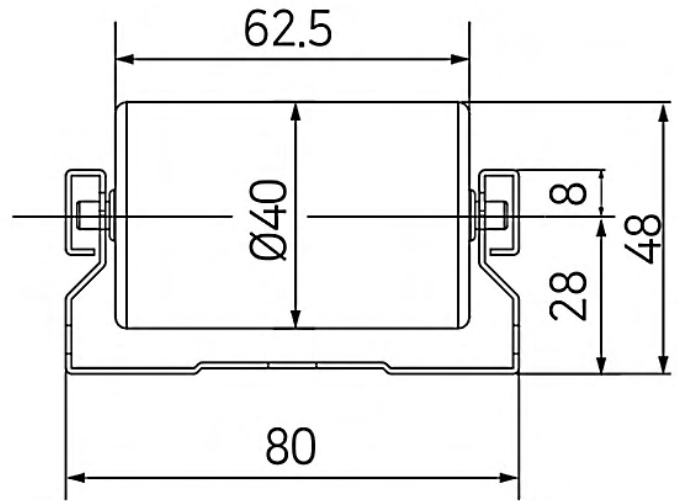
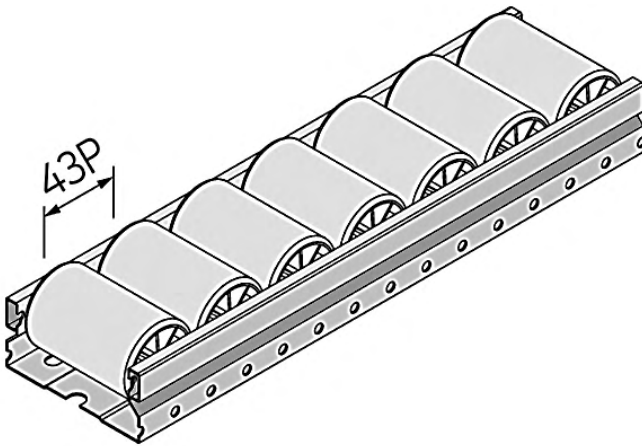


# 80 series

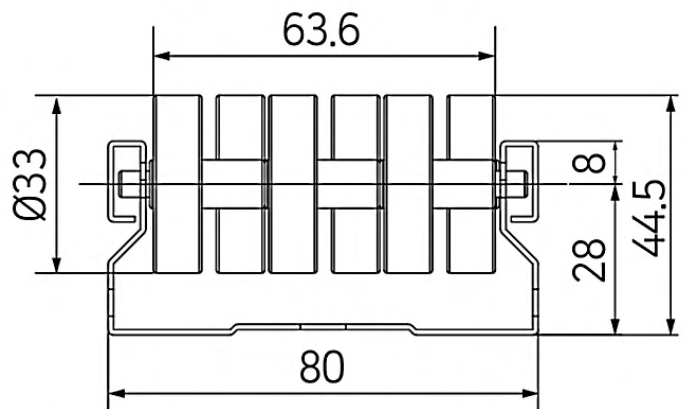
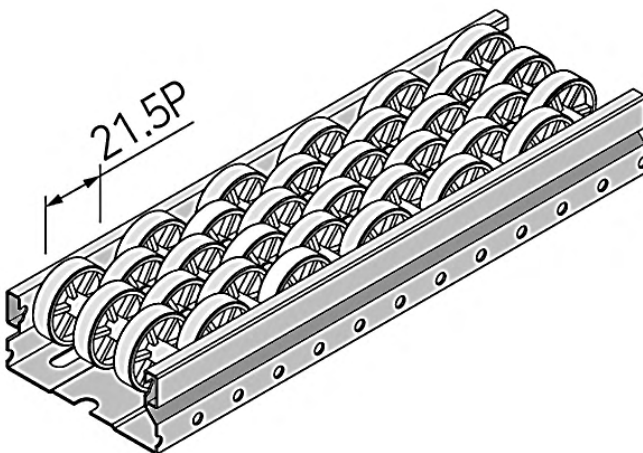
PL-801F-WL



PL-801F-WX



PL-801M-WL

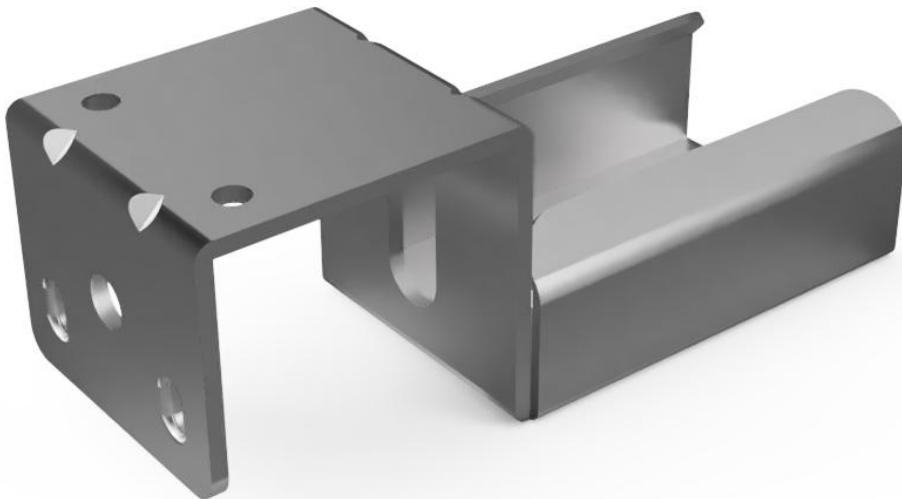


# Brackets

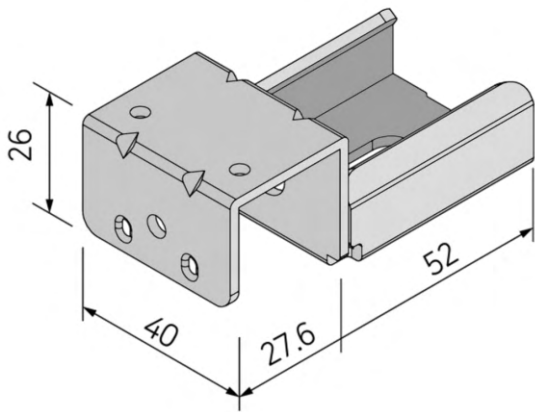
Brackets for the roller track ideal for manufacturing environments enhancing workflow reducing the need for human interaction. Assists in transportation of produce. They are directly compatible with their corresponding numbered roller track

## Stock

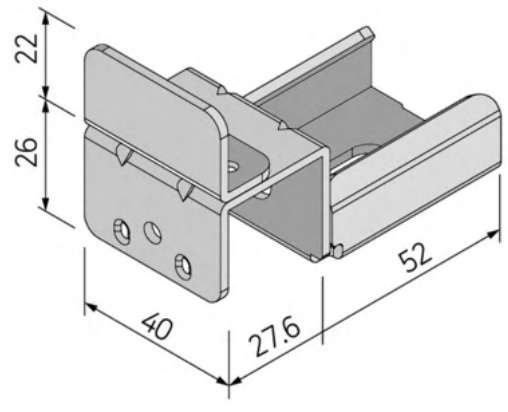
35 Series  
40 Series  
60 Series  
73 Series  
80 Series  
Pipe Mounts



# 35 series

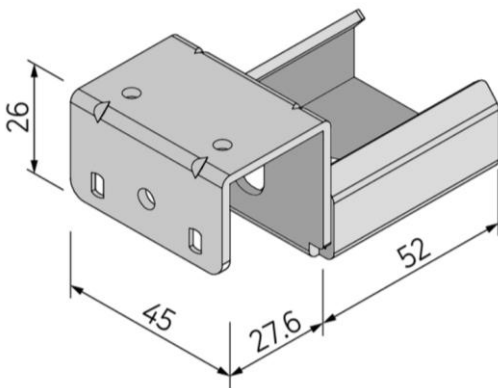


**PM-3510A**

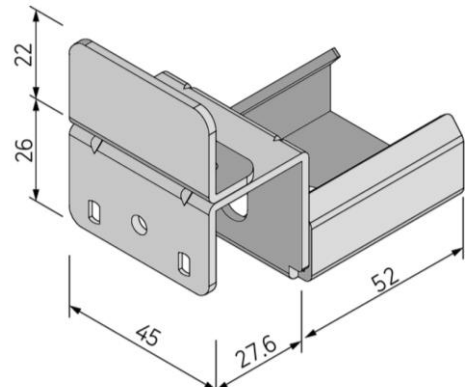


**PM-3510B**

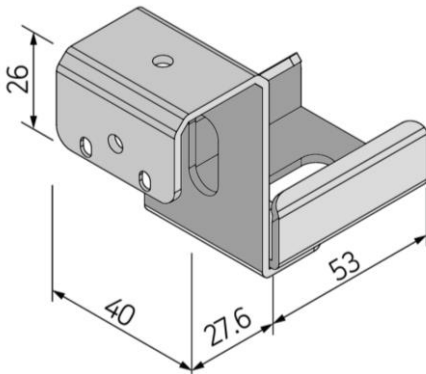
# 40 series



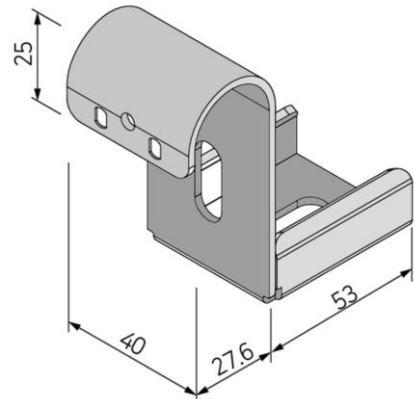
**PM-4010A**



**PM-4010B**



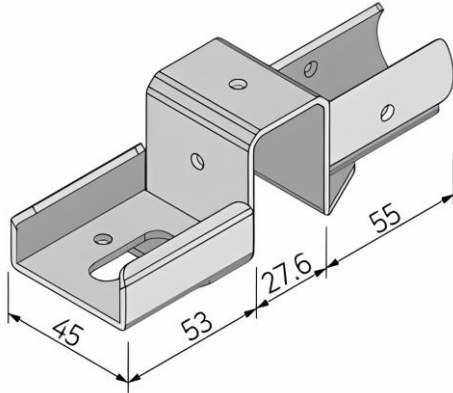
**PM-4010BW**



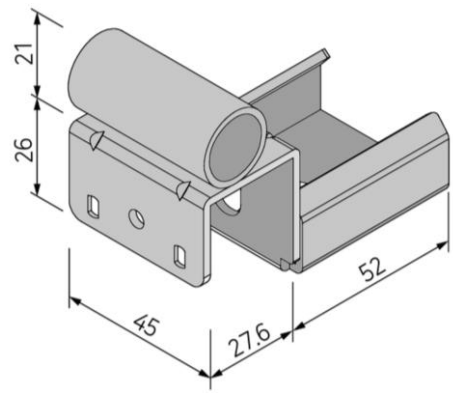
**PM-4010BR**



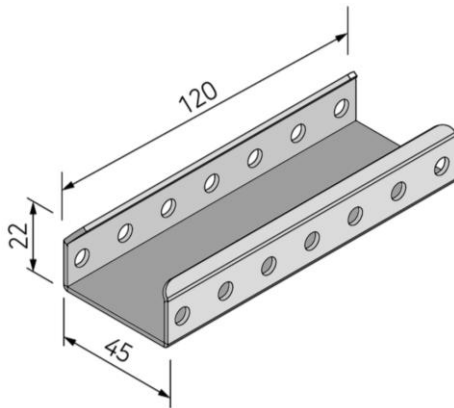
# 40 series



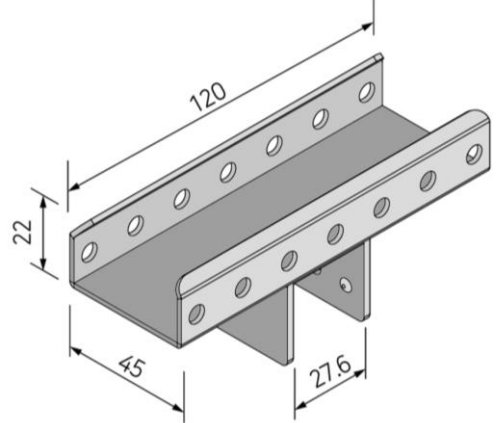
**PM-4010BS**



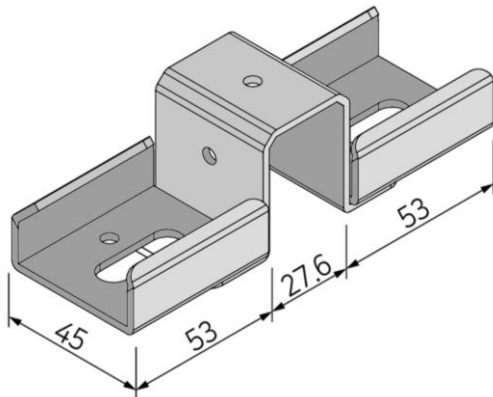
**PM-4010BP**



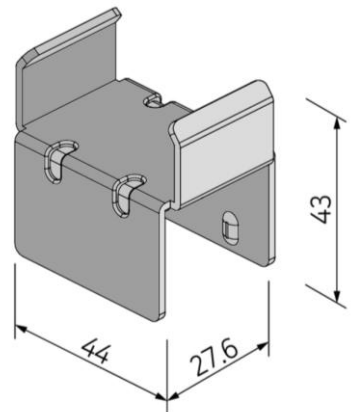
**PM-4010C**



**PM-4010D**

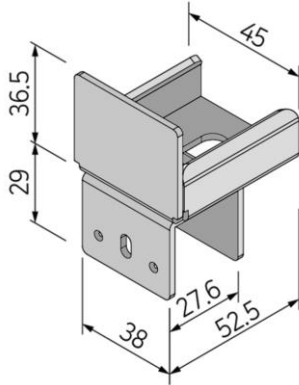


**PM-4010DA**

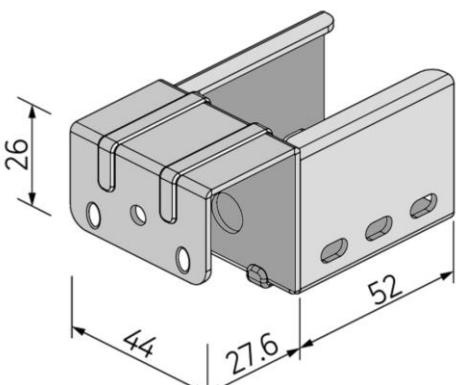


**PM-4010E**

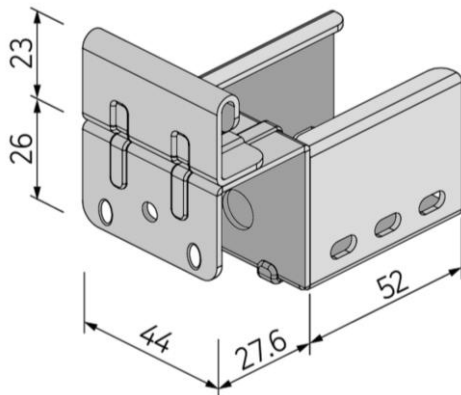
# 40 series



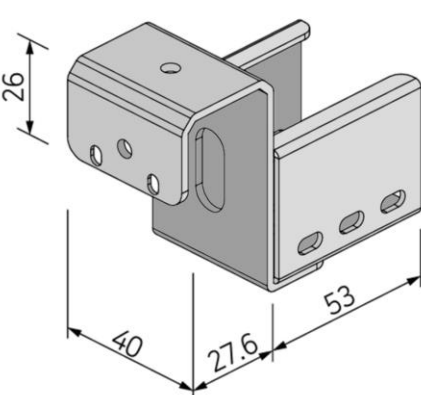
**PM-4010DA**



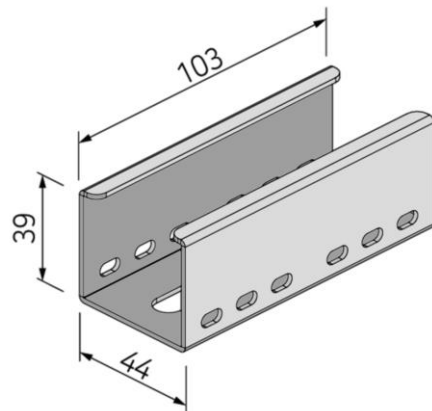
**PM-4011A**



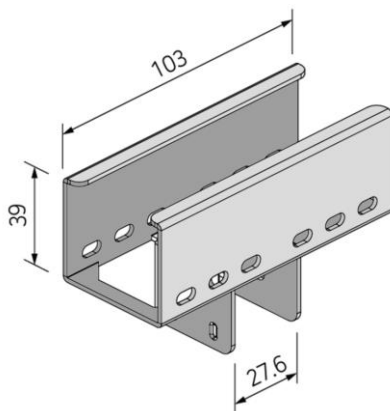
**PM-4011B**



**PM-4011BW**

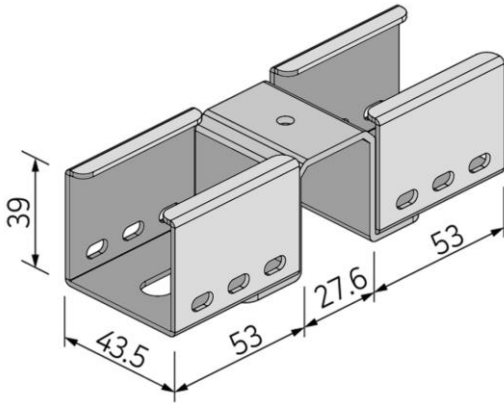


**PM-4011C**

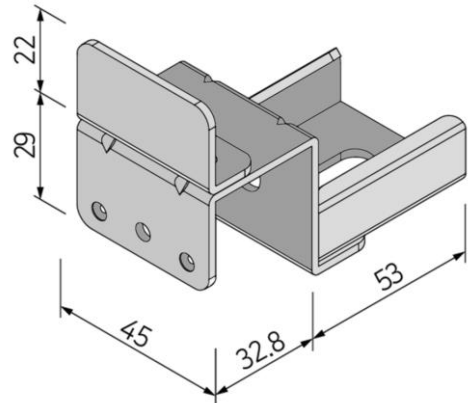


**PM-4011D**

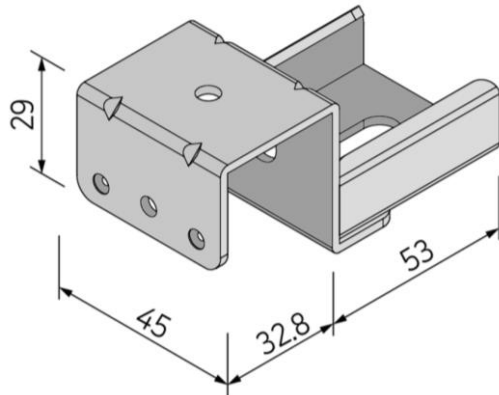
# 40 series



**PM-4011DA**

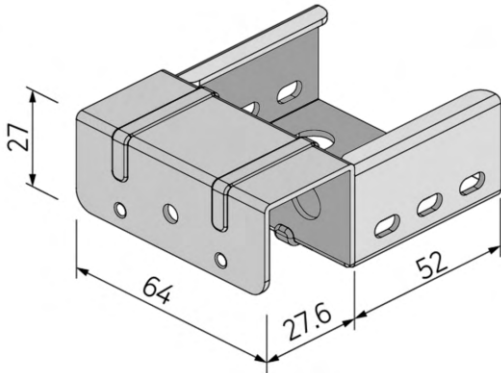


**PM-4012A**

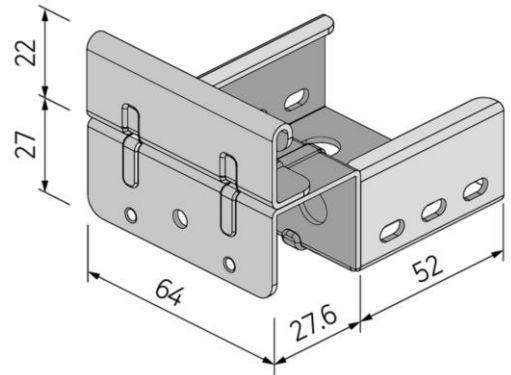


**PM-4012B**

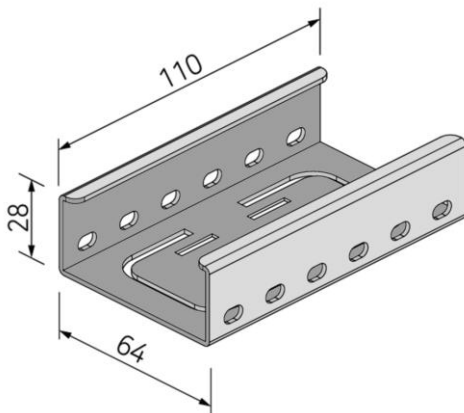
# 60 series



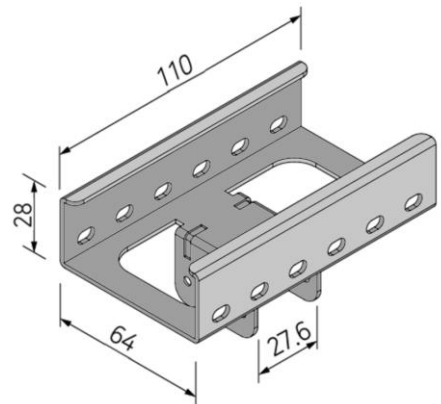
**PM-6010A**



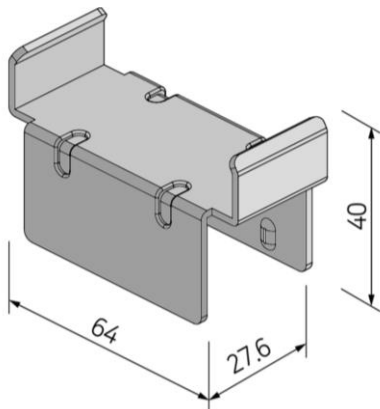
**PM-6010B**



**PM-6010C**



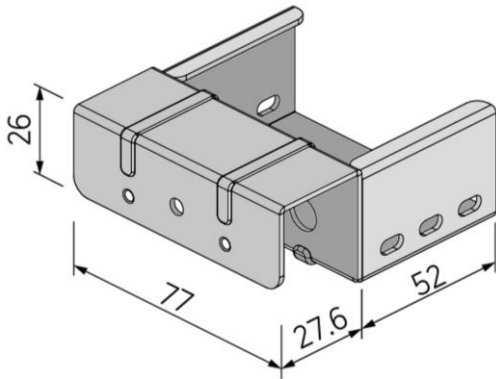
**PM-6010D**



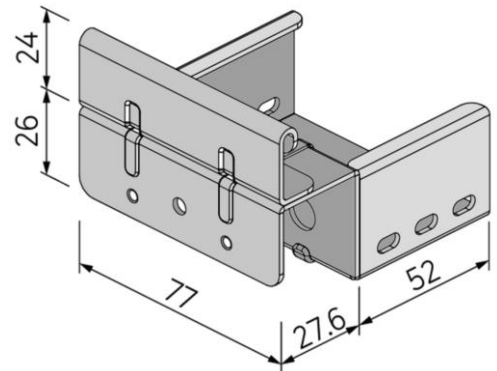
**PM-6010E**



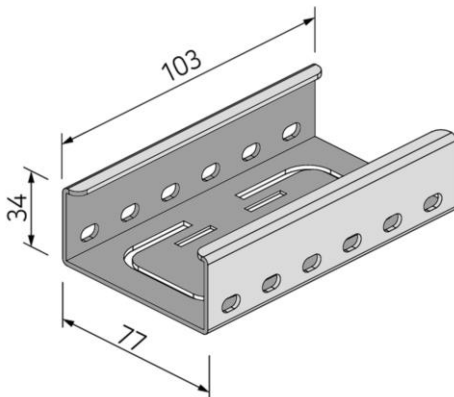
# 73 series



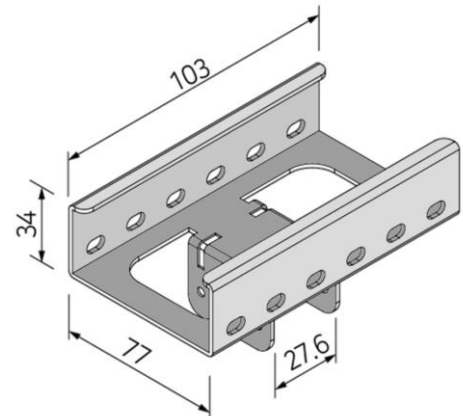
**PM-7310A**



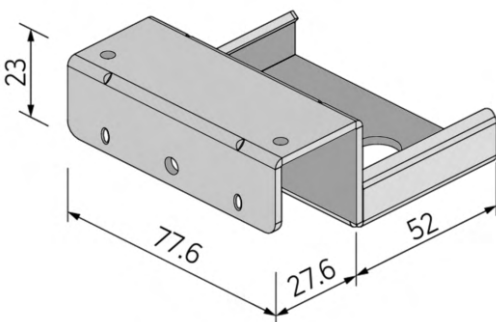
**PM-7311B**



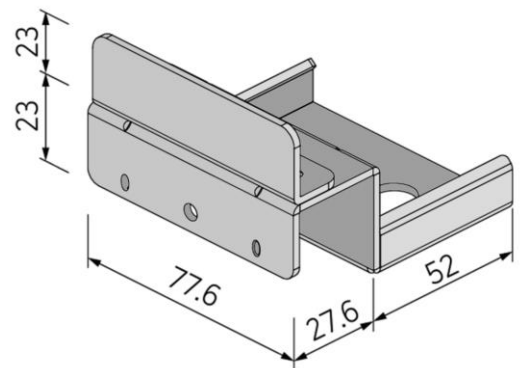
**PM-7311c**



**PM-7311D**

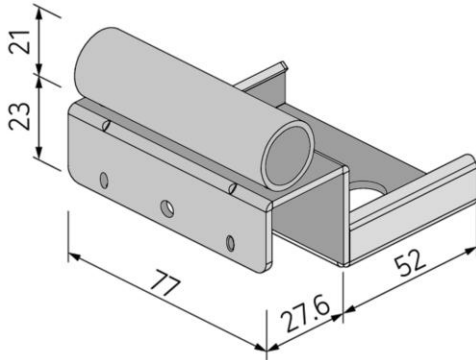


**PM-7310A**

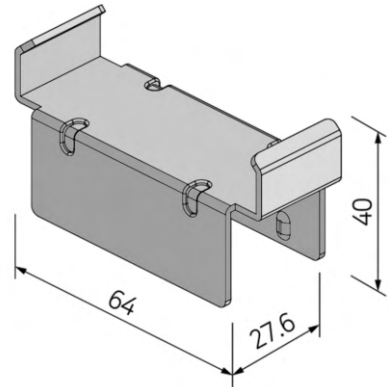


**PM-7310B**

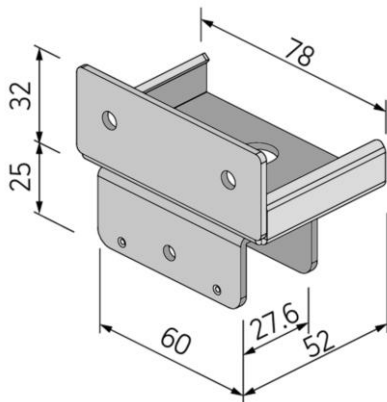
# 73 series



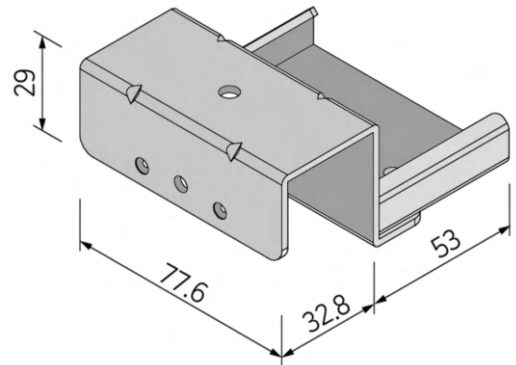
**PM-7310A**



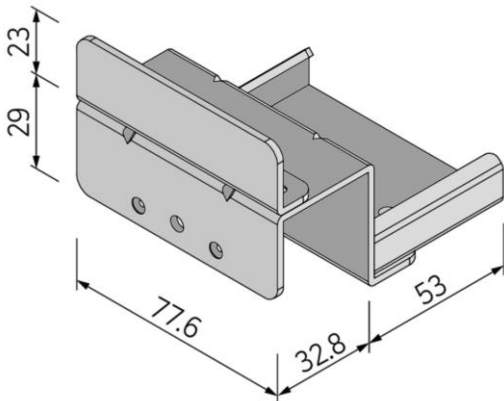
**PM-7310E**



**PM-7310X**

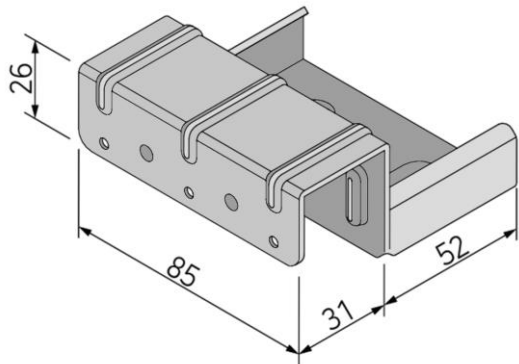


**PM-7312A**

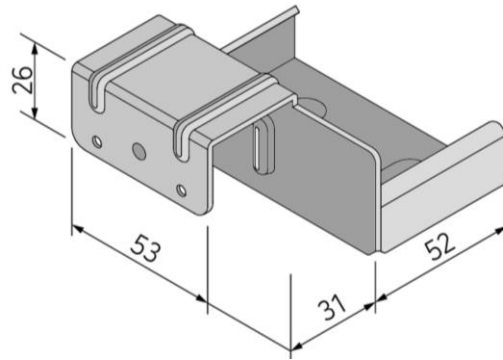


**PM-7312B**

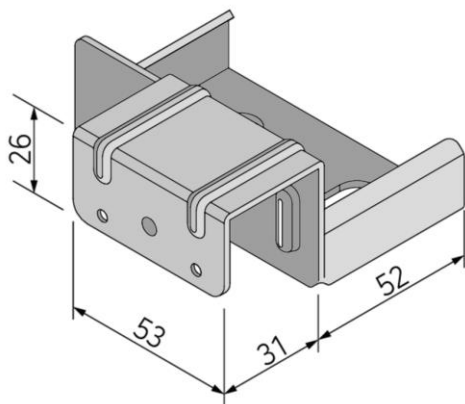
# 80 series



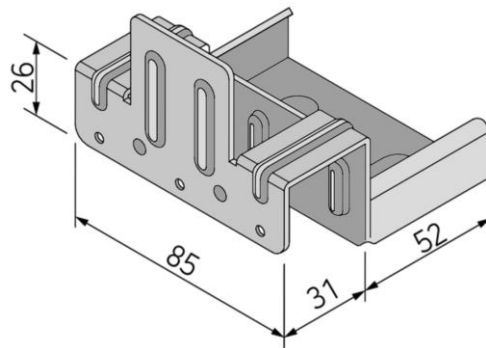
**PM-8010A**



**PM-8010R**

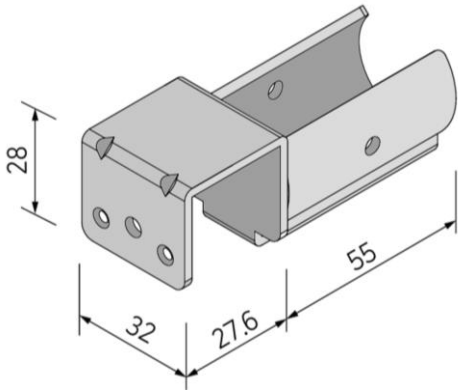


**PM-8010L**

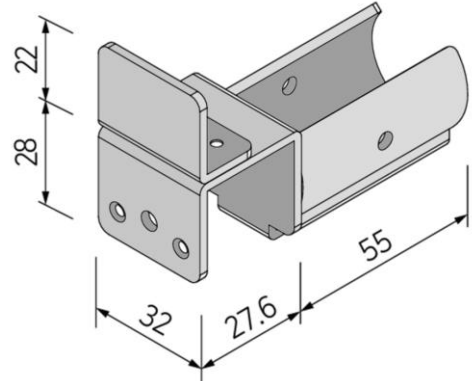


**PM-8010B**

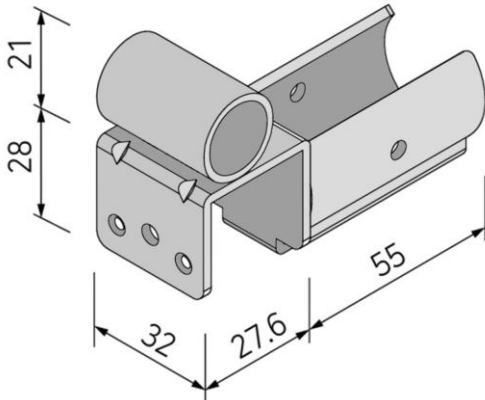
# Tube Mounts



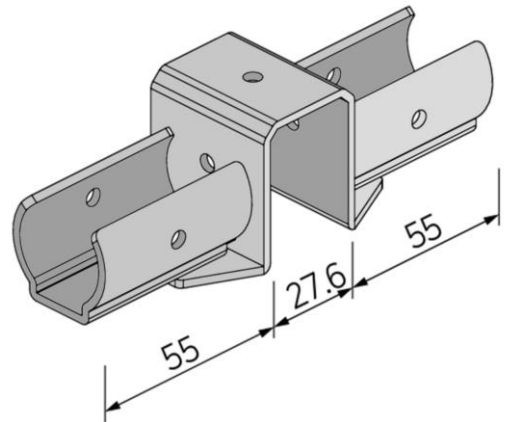
**SM-2810A**



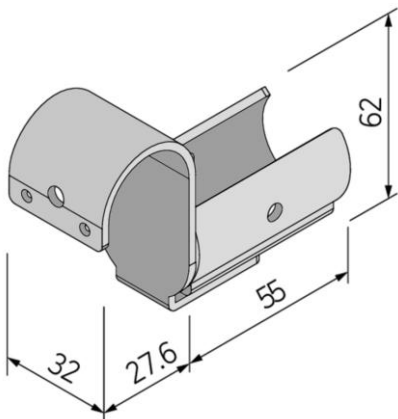
**SM-2810B**



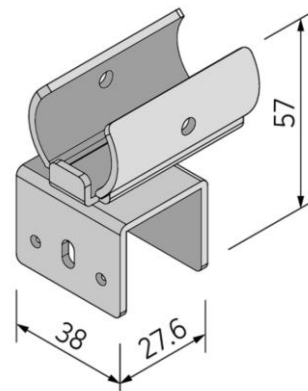
**SM-2810BP**



**SM-2810C**



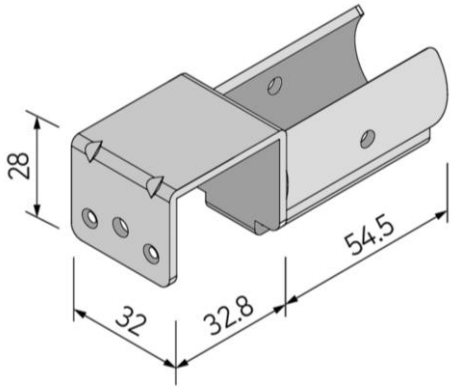
**SM-2810D**



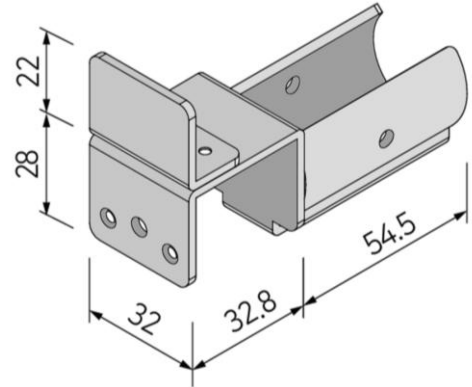
**SM-2810G**



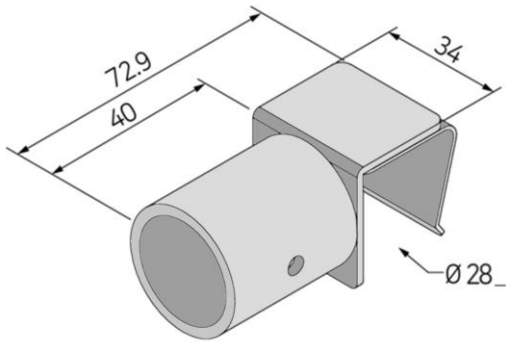
# Tube Mounts



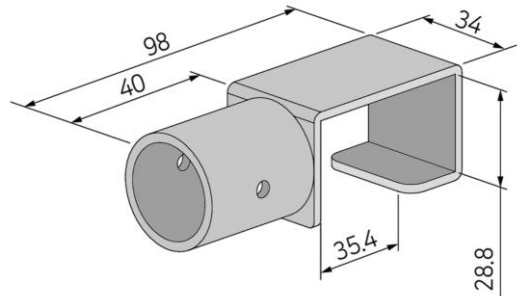
**SM-2812A**



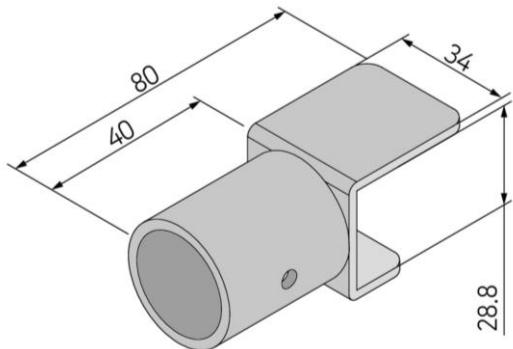
**SM-2812B**



**MT-5301**



**MT-5302**



**MT-5303**

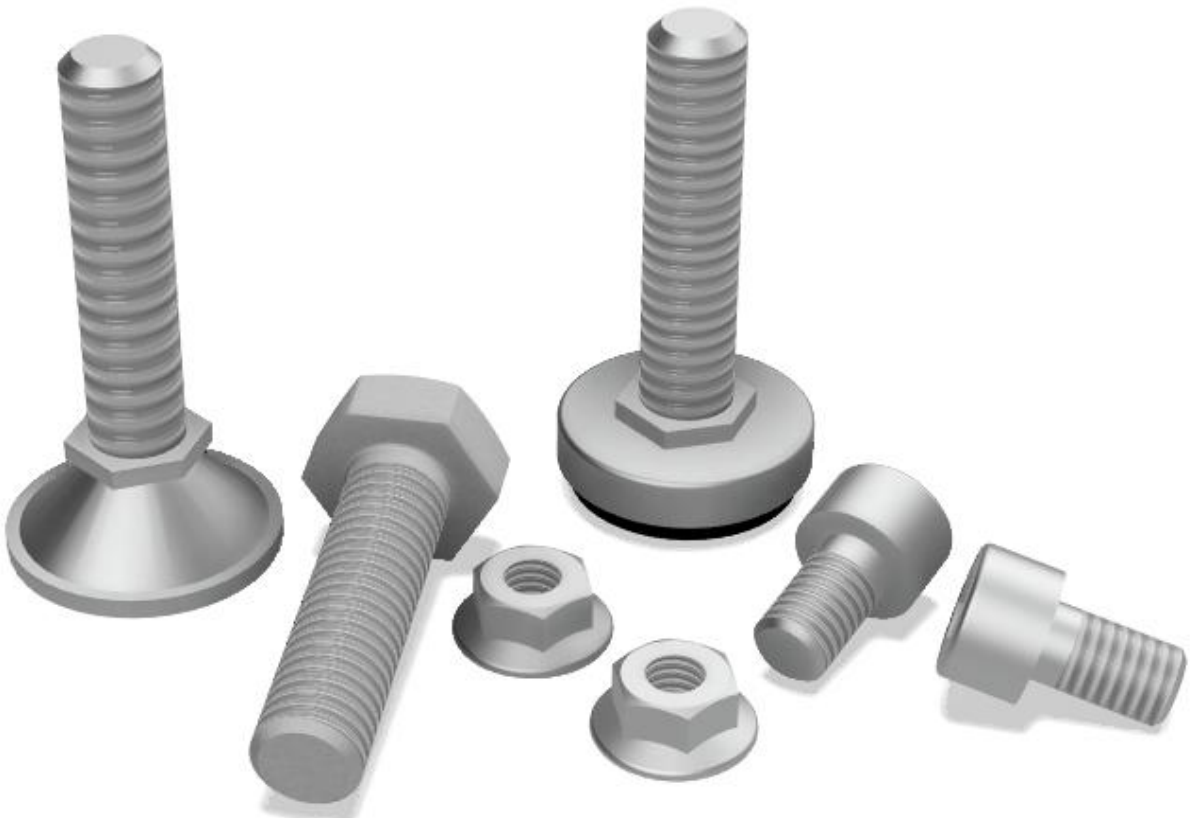
# Accessories

Complete Lean Tube offers a range of accessories such as levelling feet, casters, tow hooks, name plates, insert nuts, material surfaces, guide rails, and fasteners can be added or retrofitted as required. This allows for maximum flexibility in design modifications, upgrades, or maintenance to suit evolving operational needs.

## Stock

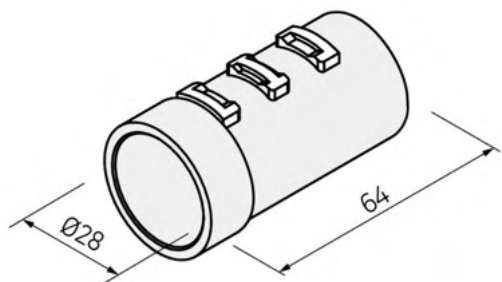
---

Accessories  
Tow Hooks  
Name Plates  
Insert nuts  
Material Surfaces  
Guide Rails  
Fasteners



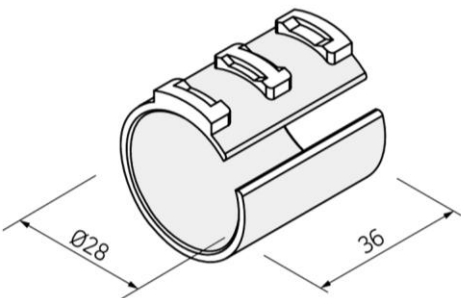
# Accessories

**PJ-140A**



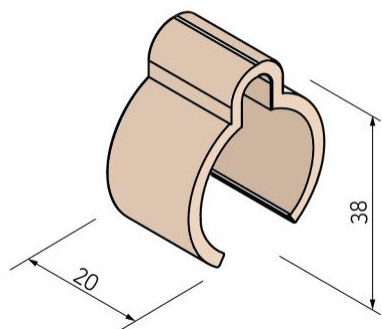
Plastic Joint Sleeve

**PJ-140S**



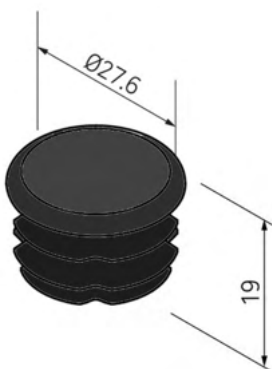
Plastic Joint Sleeve

**PJ-138B**



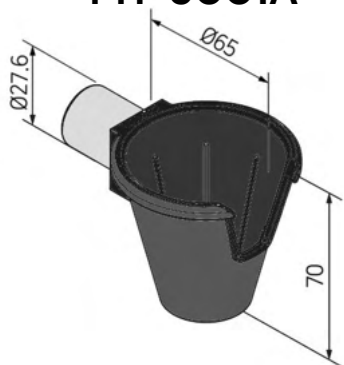
Name Plate Hanger

**PJ-110C**



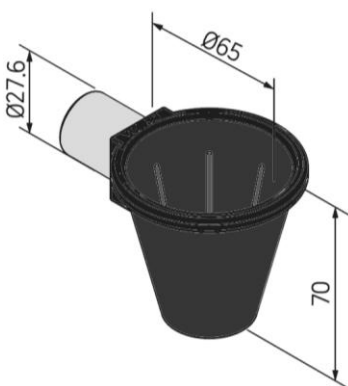
Pipe Inner Cap

**PH-5001A**



Tool Holder A

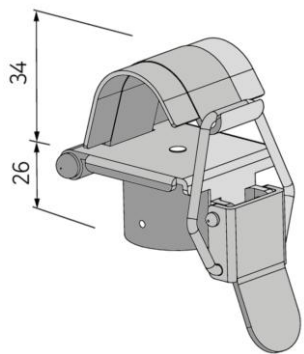
**PH-5001B**



Tool Holder B

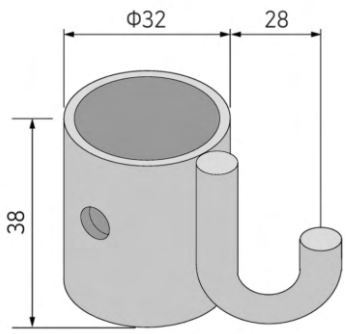
# Accessories

**MT-5126**



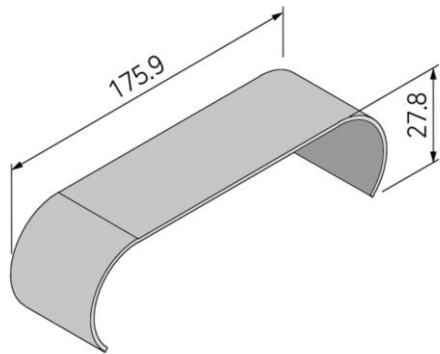
Lock Mount

**MT-5127**



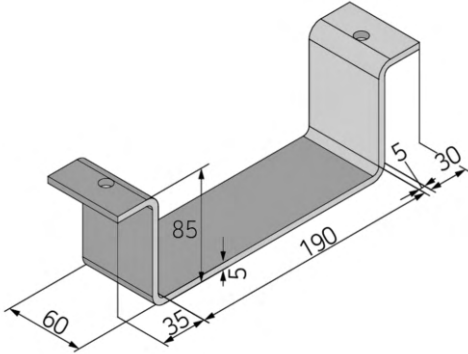
Hanger U-Type

**MS-4018SV**



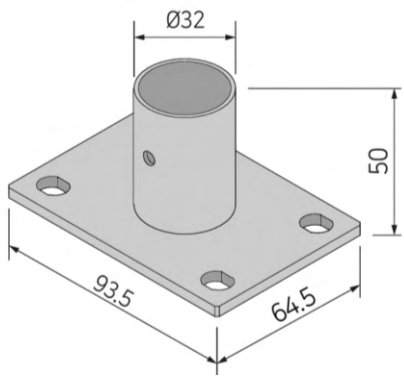
40" Middle Stopper

**MT-5100**



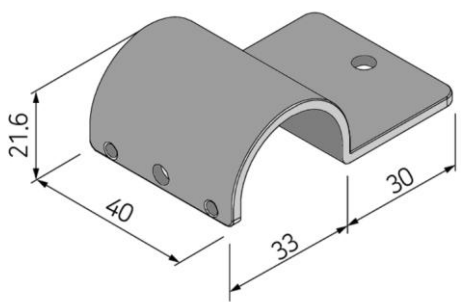
Forklift Hook

**MT-5121**



Stanchion Mount

**MT-3113**

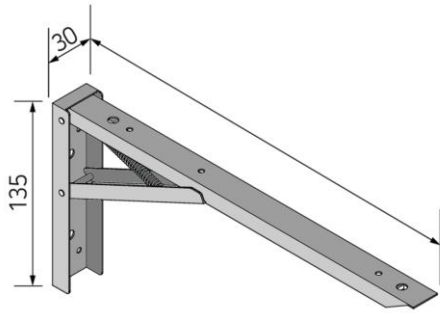


Board Fixing-A



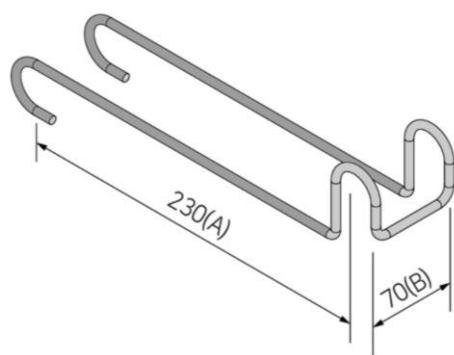
# Accessories

**FS-0200**



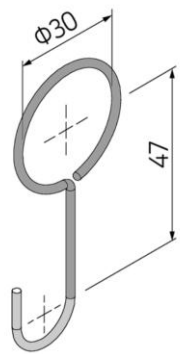
Folding Shelf Bracket

**WG-0230**



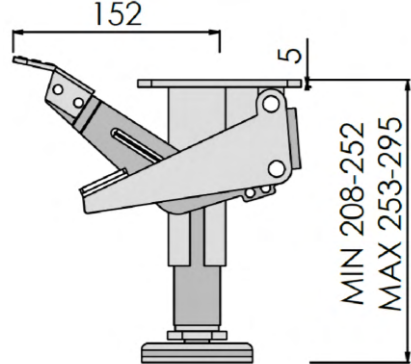
Wire Guide

**MT-5120**



Hanger Hook

**MT-5148**



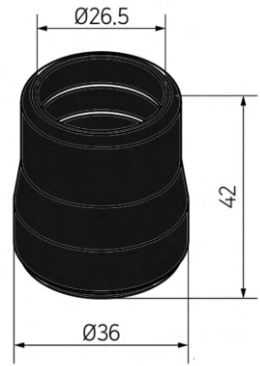
Floor Lock

**AC-3828RB**



Rubber Foot Cap

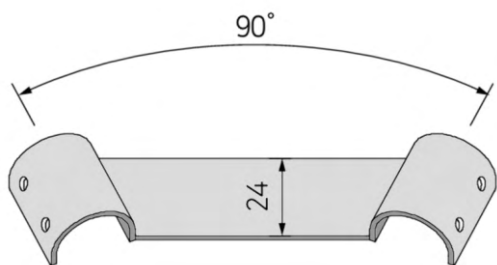
**AC-3829RB**



Rubber Foot Cap

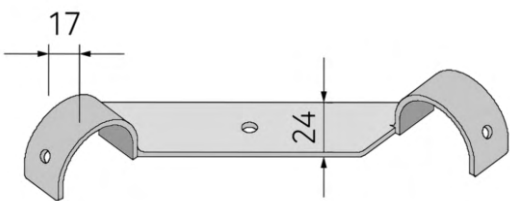
# Accessories

**MT-5116**



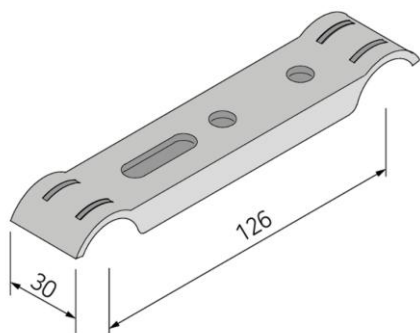
Board Bracket A

**MT-5117**



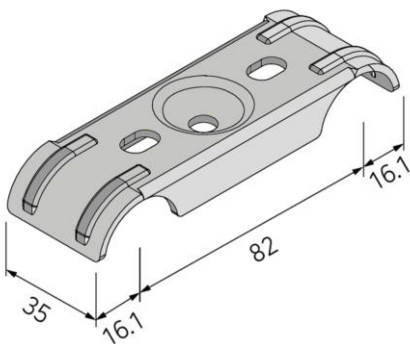
Board Bracket B

**MT-5109**



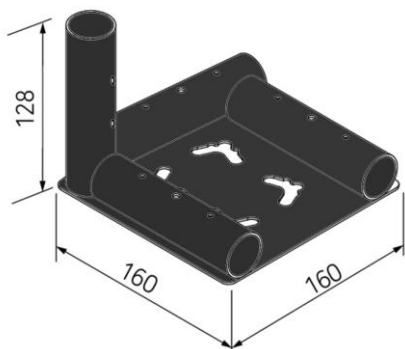
Caster Strap

**MT-5109W**



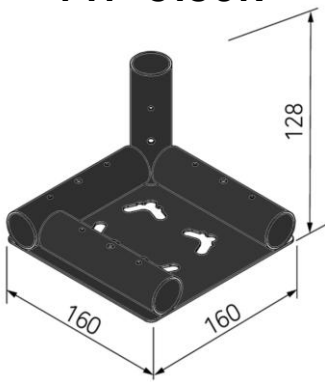
Caster Strap W

**MT-5139L**



Corner Plate Left

**MT-5139R**

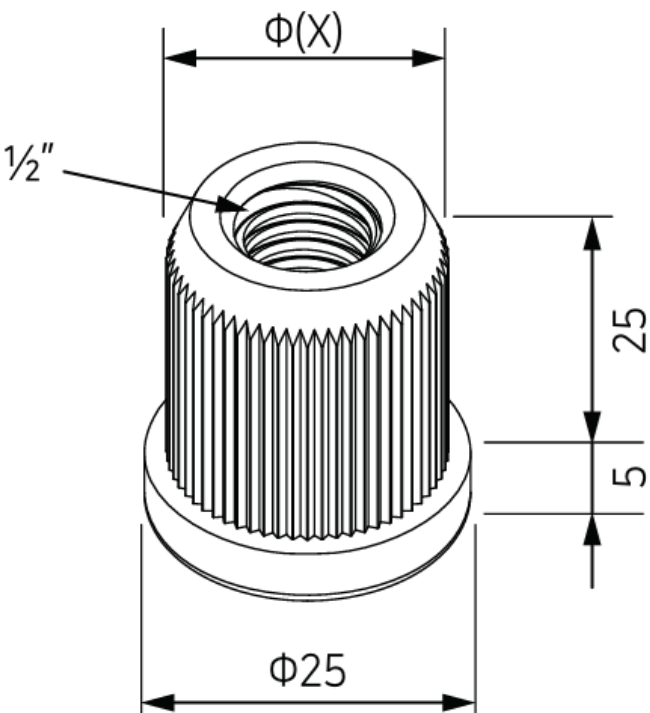


Corner Plate Right

# Insert Nuts

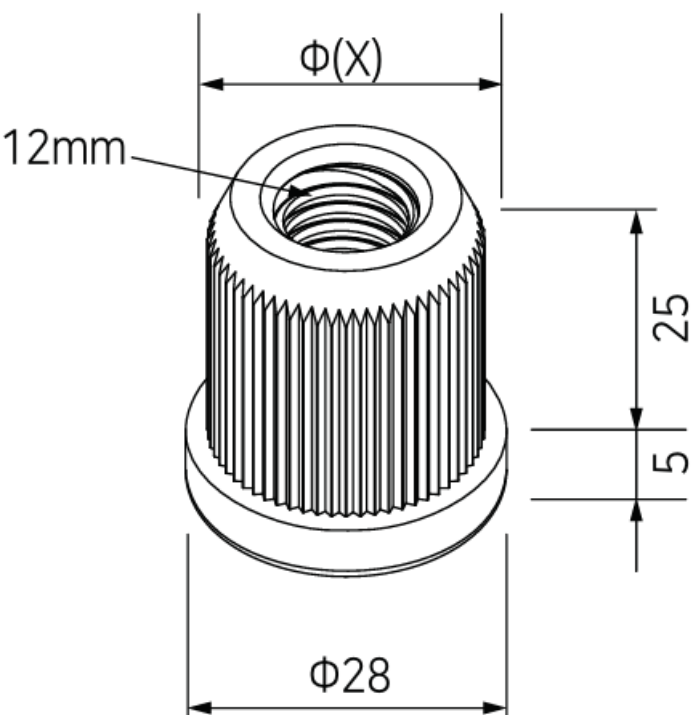
## IN-1210L

Thickness – 1.0/1.1  
Pipe Model  
LP1100/ST-1110



## IN-1211SM

Thickness – 1.0/1.1  
Pipe Model  
LP1100/ST-1110



# Material Surfaces

Work surfaces ranging from the strength and durability of stainless steel or the antistatic properties of the ESD mat, Complete Lean Tube offers a range of materials to suit your needs. For availability contact Complete Lean Tube for options.

Plywood

Stainless  
Steel

ESD Mat

Plastic

MDF

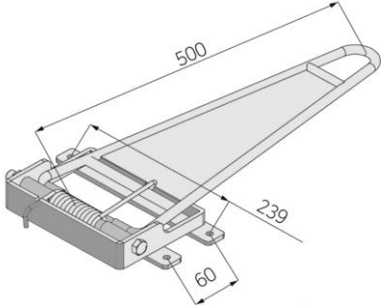
Melamine  
Faced  
Edged



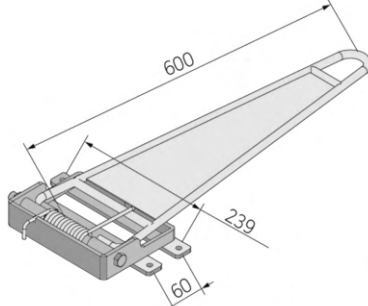


# Tow Hitch

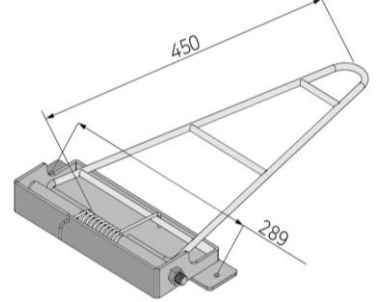
## Traction Arm



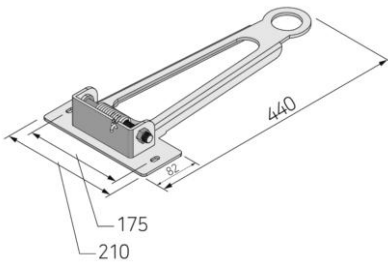
MT-5140A



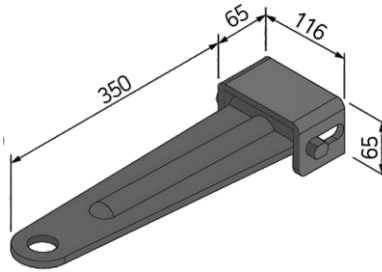
MT-5141A



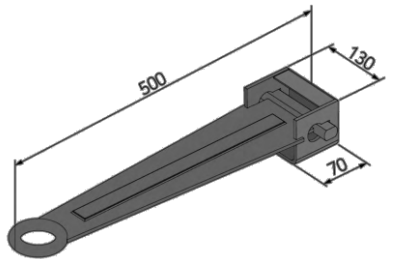
MT-5142B



MT-5149A

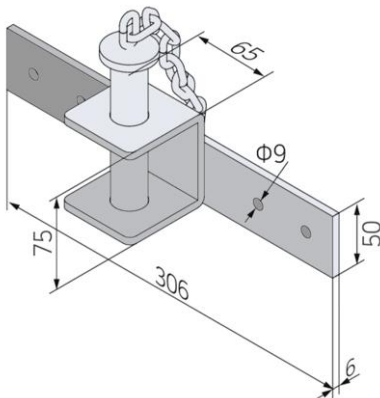


MT-5144B

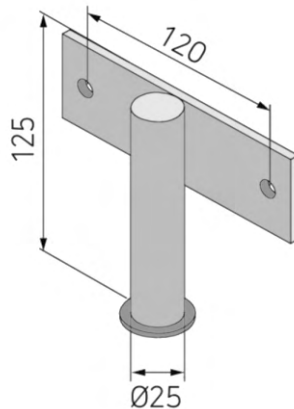


MT-5144C

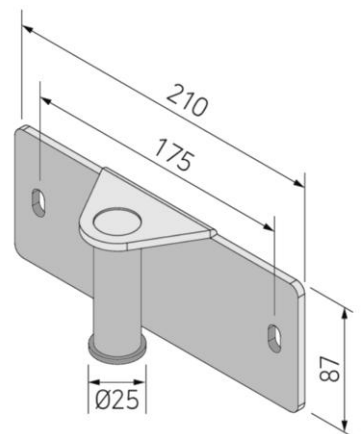
## Traction Hook



MT-5145A



MT-5143A/B



MT-5149B

# Height Adjustable Desks

Three lifting columns are available all compatible with the tube and joint system and can be customised to your specific needs with two elevation methods the Manual Hand Crank and Electric Hand Switch.

Standard Column



Heavy Duty Column



Linear Column



Manual Hand Crank

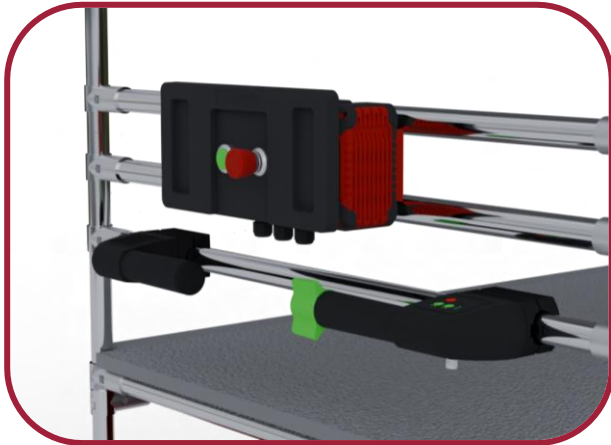
Electric Hand Switch



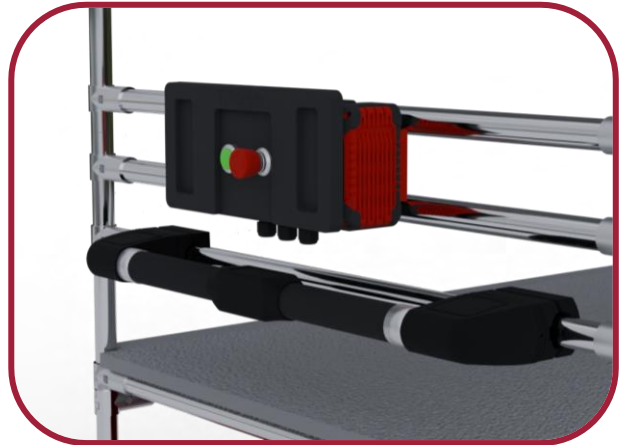
# E-Cart

The E-Cart is part of the E-Range offering two handle options, the EM500-S565U which features sensor handle technology and the EM500-1FG features a rotary joystick.

EM500-1FG

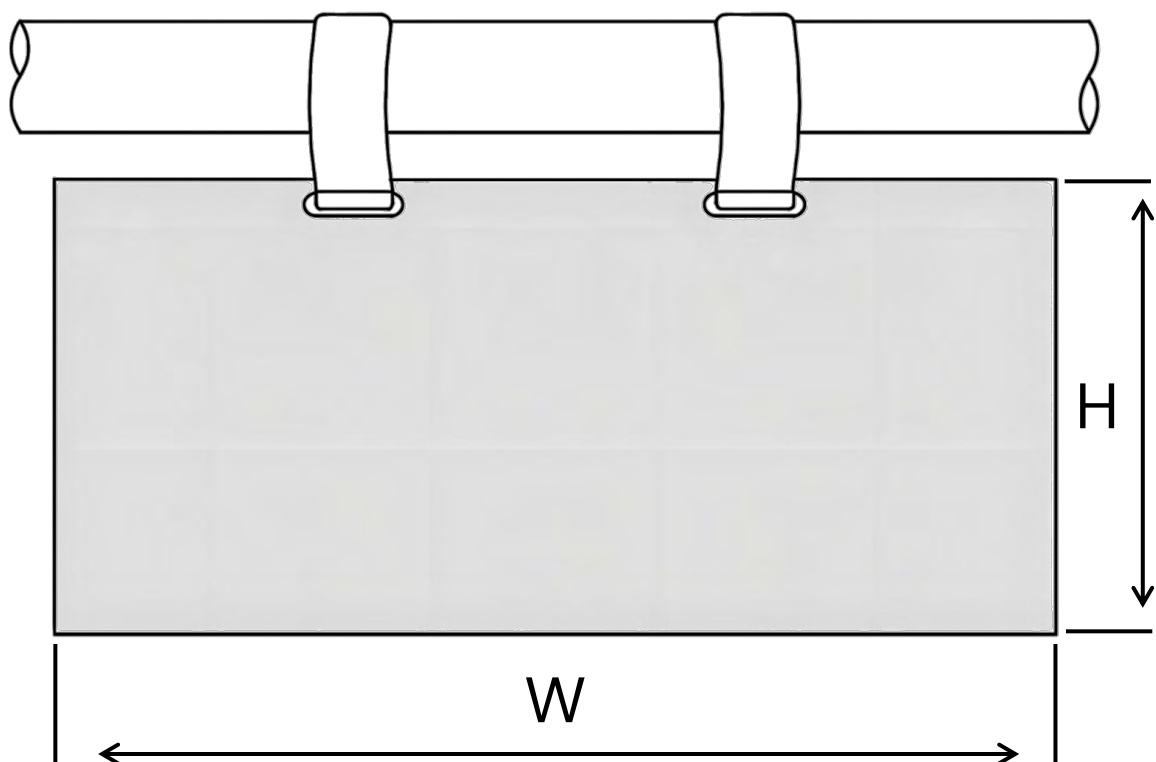


EM500-S565U



# Name Plates

Name plates available in a variety of sizes.





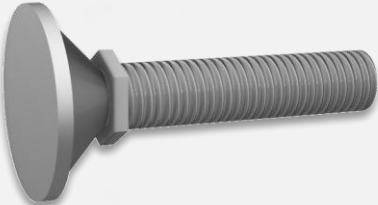
## Sizes

W (mm)	H (mm)
120	40
152	62
180	84
220	100
300	120
215	160
307	225
430	310

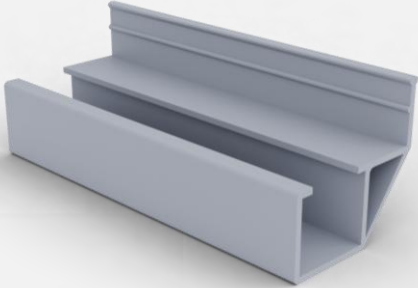
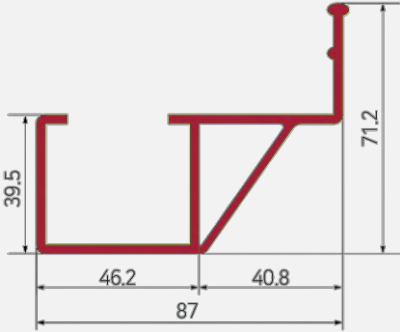
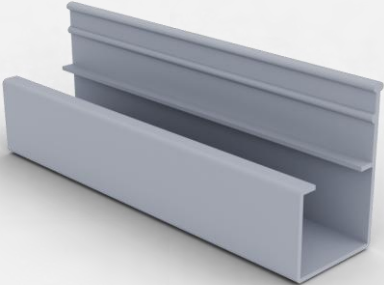
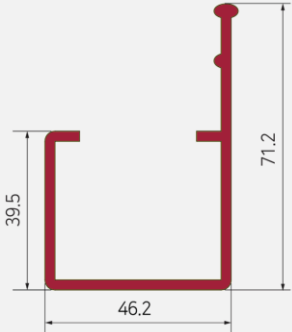


# Castors/Feet

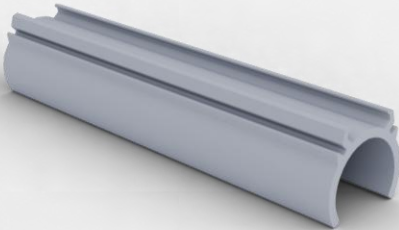
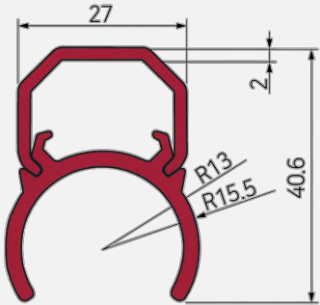
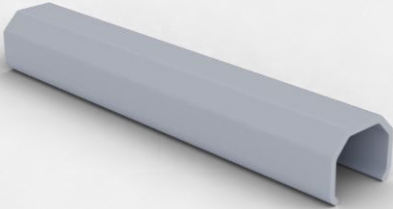
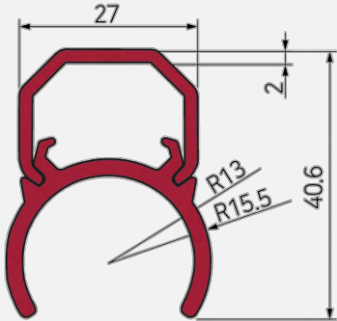
Item Code	Specification	Item Image
CT-703S	75mm Swivel 70kg (Per Castor)	
CT-703B	75mm Brake Swivel 70kg (Per Castor)	
CT-704S	100mm Swivel 80kg (Per Castor)	
CT-704B	100mm Brake Swivel 80kg (Per Castor)	

Item Code	Specification	Item Image
CT-715BH	Castor Plated, 125mm, Brake 200kg (Per Castor)	
CT-715SH	Castor Plated, 125mm, Swivel 200kg (Per Castor)	
CT-715RH	Castor Plated, 125mm, Fixed 200kg (Per Castor)	
AD-5012MSM	Foot Thread size - ½” Diameter - Φ32 Length - 50mm	
AD-3012IRM	Foot (Rubber) Thread Size - M12 Diameter - Φ33 Length --50mm	

# Guide Rails

Item Code	Item Image	Cross-section
Guide Rail Type A		
Guide Rail Type B		

# Cable Duct

Item Code	Item Image	Cross-section
Cable Duct A		
Cable Duct B		

# Fasteners

The lean tube system benefits from its simplicity utilising three main fasteners for system assembly.

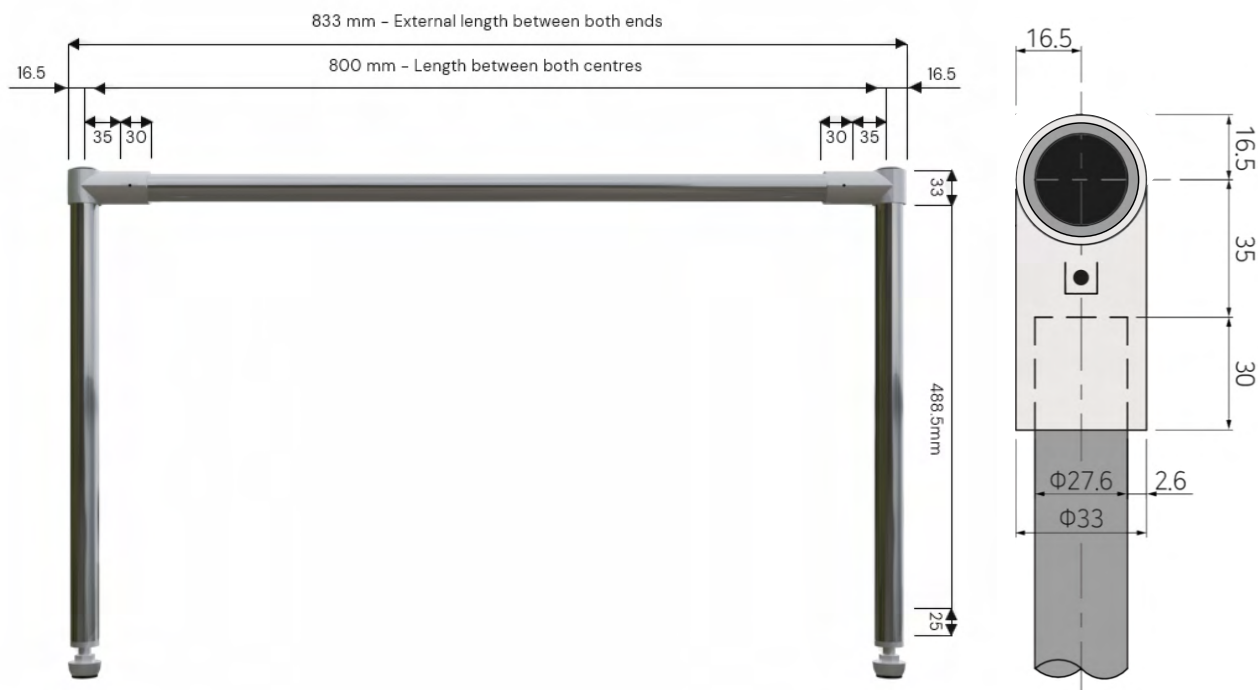
Component Code	Component Image	Available Components
Hexagon Socket Cap Head		M6 10/20/25
Hexagon Head Bolt		M8 35/40/45/60//70
Nut		T-Nut M6 Nylon Nut M8/M10/M12



# Technical Specifications

## Calculating Pipe Length

When calculating the length of a pipe the following points must be taken into consideration, the length of the pipe to be inserted into the joint and the distance between joint centres.



### Calculation method for horizontal pipes

$$\begin{array}{c} \text{Length between both centres} \longrightarrow 800 - 70 = 730 \longleftarrow \text{Length of pipe} \\ \uparrow \\ \text{Total length between ends of the pipe and each centre joint (35mm x 2)} \end{array}$$

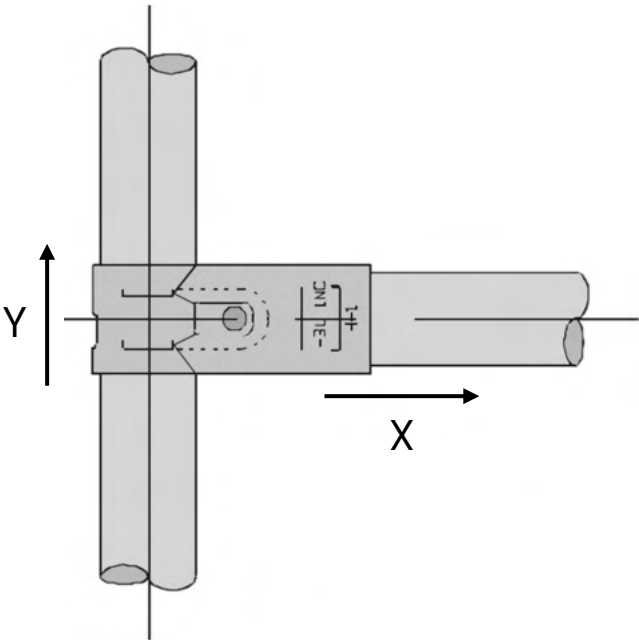
### Calculation method for vertical pipes

$$\begin{array}{c} \text{Length between both centres} \longrightarrow 530 - 25 + 16.5 = 522 \longleftarrow \text{Length of pipe} \\ \uparrow \qquad \qquad \qquad \uparrow \\ \text{Length between both centres, length between end of the pipe and adjuster} \quad \text{Length between centre and surface of joint} \end{array}$$

# Weight Capacities

## Maximum Load Capacity For Joints

The strength of a Complete Lean Tube structure depends on the quality of design and the assembly process ensuring all joints are tight and reinforcement is used when necessary.

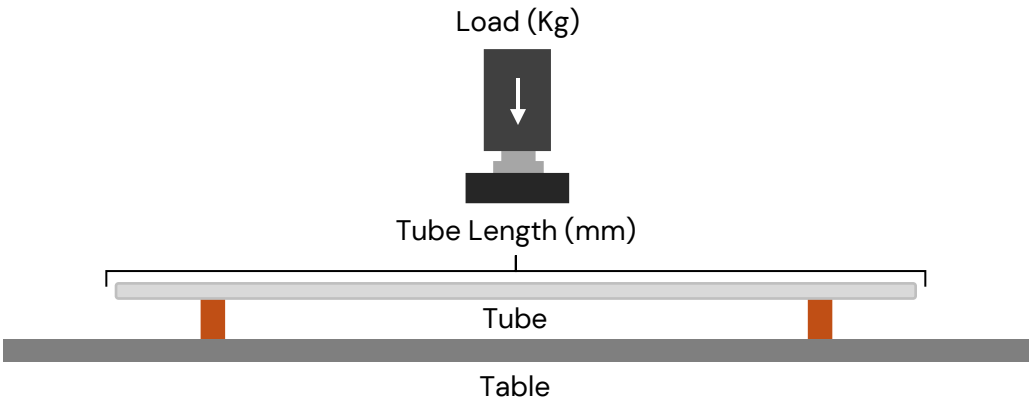


Direction of Force	Stainless Antistatic Tube	Plastic Coated Tube
X	75kg	75kg
Y	85kg	85kg

## Maximum Load Capacity For Tube

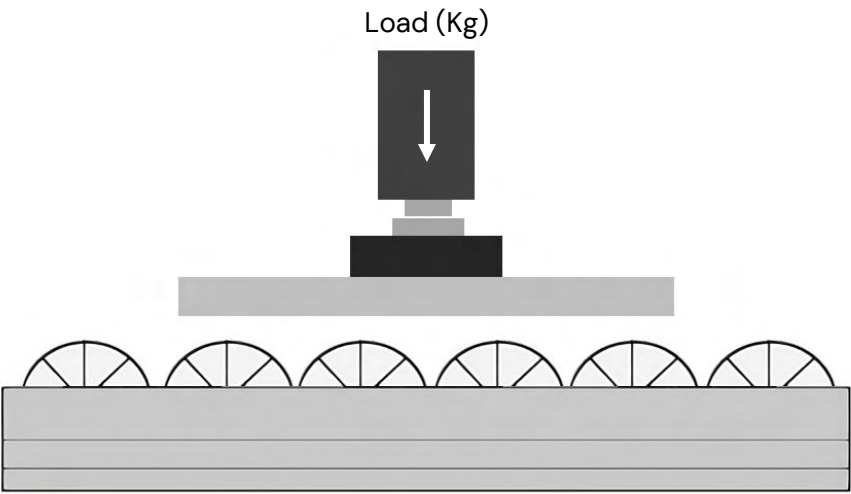
Testing for bending with a load range measured in (kg) at variable lengths.

Tube Code	450mm	1000mm	1500mm	1800mm
LP-1100	337.5	154.4	105.3	74.9
ST-1110	405	172.9	129.6	101.8



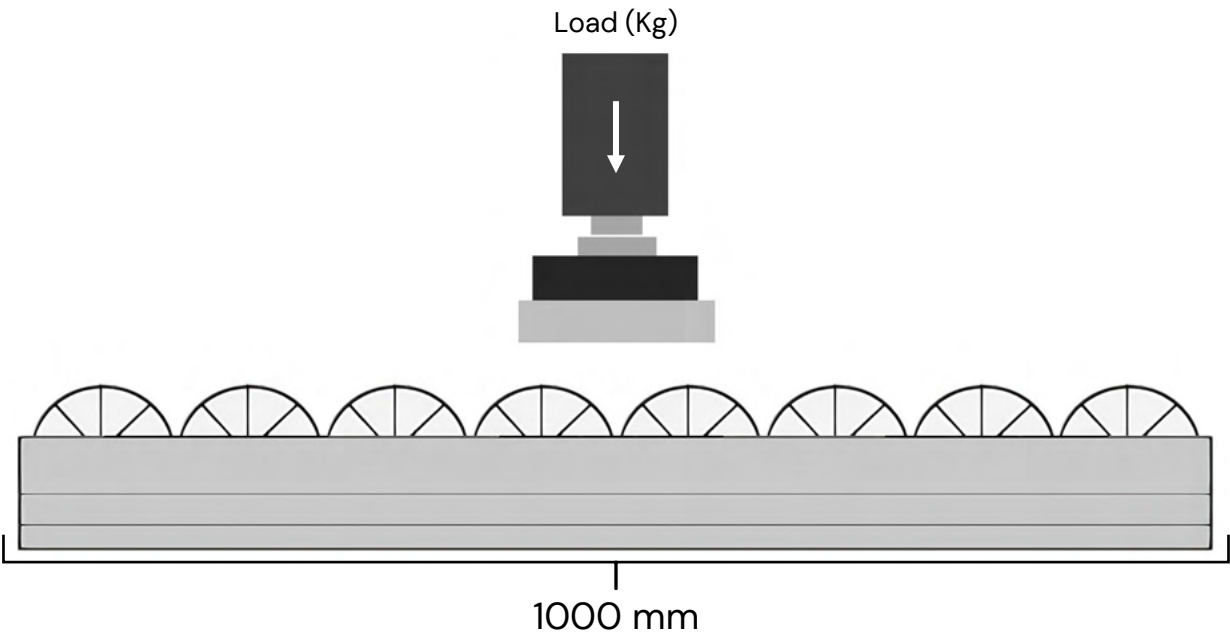
# Weight Capacities

## Maximum Load For Roller



Roller Series	Roller Load (kg)
35	115
40	190
60	270
73	285
80	315

## Maximum Load For Roller Track



Roller Series	Load Per 1000mm
35 series	81.4 (kg)
40 series	142 (kg)
60 series	77.4 (kg)
73 series	168.2 (kg)
80 series	227.2 (kg)



# Complete Lean Tube

Email: [sales@completeleantube.co.uk](mailto:sales@completeleantube.co.uk)

Telephone: 01949 358 758

Operating Hours: Mon to Fri 9am–5pm

Unit 6, Barbrey Business Park, Orston Lane, Bottesford,  
Nottingham, NG13 OGY

**MADE IN**  
**UK**