PIPE & JOINT RACKING SYSTEM

CATALOG

PRODUCTION LINE
CONVEYING EQUIPMENT
WAREHOUSE SHELVES
WORKSTATION
Our Dynamic and flexible modular assembly system consisting of plastic coated steel pipes and metal joints, is flexible that it can be made into racks, trolleys, workstations, gravity flow racks and even light duty machine structures. The wide variety of available components make this system very flexible; it can be quickly designed and assembled to fit all your needs.
The pipe and joint product range is comprehensive and flexible, it can be combined in any way imaginable for efficient solutions.
### NUMBERING SYSTEM

#### Comprehensive Production from part manufacturing to assembly

<table>
<thead>
<tr>
<th>Classification</th>
<th>Item</th>
<th>Part No</th>
<th>Thickness</th>
<th>Weight (g/M)</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Normal Pipe</td>
<td>P2807-X</td>
<td>Ø28 x t 0.7</td>
<td>505</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESD Pipe</td>
<td>EP2807-X</td>
<td>Ø28 x t 0.7</td>
<td>505</td>
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<tr>
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<td></td>
<td>P2810-X</td>
<td>Ø28 x t 1.0</td>
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<td>EP2810-X</td>
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<td>P2814-X</td>
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<td>EP2814-X</td>
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<td>923</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td>P2820-X</td>
<td>Ø28 x t 2.0</td>
<td>1265</td>
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<td></td>
<td></td>
<td>EP2820-X</td>
<td>Ø28 x t 2.0</td>
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<td>Slide Pipe</td>
<td>CS2810-X</td>
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<td>EF2810-X</td>
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<td>S2812-2</td>
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*Standard Length = 4,000

#### NUMBERING SYSTEM

**Example:** Case of coated Pipe Ivory ø28 x t 1.0 is CP2810-i

<table>
<thead>
<tr>
<th>Pipes</th>
<th>Thickness</th>
<th>Color Code</th>
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<tbody>
<tr>
<td>CP = Coated Pipe</td>
<td>07 = t 0.7</td>
<td>W = White</td>
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<td>EP = Coated ESD Pipe</td>
<td>10 = t 1.0</td>
<td>I = Ivory</td>
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<td>CS = Normal Coated Slide Pipe</td>
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<td>ES = Coated ESD Slide Pipe</td>
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<td>EG = Deep Grey</td>
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<td>Y = Dark Grey</td>
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<tr>
<td>EF = Coated ESD Flat Pipe</td>
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<td>S = Sky Blue</td>
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<td>S = STS Pipe</td>
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<td>U = Blue</td>
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<tr>
<td></td>
<td></td>
<td>K = Dark Blue</td>
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<td></td>
<td></td>
<td>N = Green</td>
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<tr>
<td></td>
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<tr>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>GD = Gold</td>
</tr>
<tr>
<td></td>
<td></td>
<td>O = Orange</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A = Brown</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P = Pink</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R = Red</td>
</tr>
<tr>
<td></td>
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<td>B = Black</td>
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# Pipes

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<th>COLOR</th>
<th>STANDARD</th>
<th>CLASSIFICATION</th>
<th>COATED PIPE / D-COATED PIPE / ESD PIPE</th>
<th>POWDER COATED PIPE</th>
<th>SLIDE PIPE</th>
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<tr>
<td></td>
<td>COLOR CODE</td>
<td>ø28X0.7t</td>
<td>ø28X1.0t</td>
<td>ø28X1.4t</td>
<td>ø28X2.0t</td>
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<td>●</td>
<td>●</td>
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<td>●</td>
<td>●</td>
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<tr>
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<td>●</td>
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<td>●</td>
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<td>●</td>
<td>●</td>
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<td>●</td>
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<td>●</td>
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<tr>
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<td>R</td>
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<td>●</td>
<td>●</td>
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<td>BLACK</td>
<td>B</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>ESD PIPE</td>
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<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>B</td>
<td>●</td>
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<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

- Other colors available on request - Minimum purchase quantities may apply.
- Colors indicated are approximate - actual color samples available upon request.
PIPES
D-COAT PIPE

Comprehensive Production from part manufacturing to assembly

• FEATURES OF D-COAT PIPE

1. Steel pipe is coated with ABS. Then, the surface is coated again with the new material of PA ABS.

2. Compared to the conventional ABS coating pipe, D-Coat Pipe is outstanding in oil resistance and chemical resistance. In particular, salinity, rust preventative oil or cutting oil does not cause cracks or discoloration of the pipe.

3. This product comes in a variety of colors for use in various items or per company.

4. With outstanding durability, this pipe is easily processed. Rustproof coating inside the pipe provides superior corrosion resistance.

• CHEMICAL RESISTANCE OF COATING PIPE

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Test Method</th>
<th>Result</th>
<th></th>
<th>Result</th>
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<tbody>
<tr>
<td>Rust Preventative Oil</td>
<td>Coating</td>
<td>○</td>
<td>△</td>
<td>ABS COAT</td>
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<tr>
<td>Sodium Chloride (Sweat)</td>
<td>Coating</td>
<td>○</td>
<td>×</td>
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<tr>
<td>Brake Oil</td>
<td>Coating</td>
<td>○</td>
<td>×</td>
<td></td>
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<tr>
<td>UV Ray</td>
<td>Radiation</td>
<td>○</td>
<td>△</td>
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<tr>
<td>Cutting Oil</td>
<td>Coating</td>
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<td>×</td>
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<tr>
<td>Dishwashing Detergent</td>
<td>Coating</td>
<td>○</td>
<td>△</td>
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<td>Laundry Detergent</td>
<td>Coating</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Bathroom Detergent</td>
<td>Coating</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Methyl Ethyl Ketone</td>
<td>Deposition</td>
<td>×</td>
<td>×</td>
<td></td>
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<tr>
<td>Ethylene Glycol</td>
<td>Deposition</td>
<td>○</td>
<td>○</td>
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</table>

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Test Method</th>
<th>Result</th>
<th></th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission Oil</td>
<td>Coating</td>
<td>○</td>
<td>×</td>
<td>ABS COAT</td>
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<tr>
<td>Hair Spray</td>
<td>Coating</td>
<td>○</td>
<td>○</td>
<td></td>
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<tr>
<td>Permanent Solution</td>
<td>Coating</td>
<td>○</td>
<td>○</td>
<td></td>
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<tr>
<td>Pesticide</td>
<td>Coating</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Sterilizer</td>
<td>Coating</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Liquid Fertilizer</td>
<td>Coating</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Soybean Oil</td>
<td>Coating</td>
<td>○</td>
<td>×</td>
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<tr>
<td>Bleach</td>
<td>Coating</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Ethanol</td>
<td>Deposition</td>
<td>○</td>
<td>○</td>
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<tr>
<td>Toluene</td>
<td>Deposition</td>
<td>×</td>
<td>×</td>
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</table>

1. Test Condition—Test by depositing pipe in or coating it with the designated chemical for 30 days
2. Notes—○ : No change
   △ : Change was observed, but the pipe is still usable.
   X : Resin melted or crack occurred.
• THE ADVANTAGES OF STAINLESS PIPE

1. Environmental
   - Stainless pipe which is 100% recyclable

2. High Strength & Durability
   - Surface resistant to light abrasion or contact with metal tools

3. High Oil & Chemical Resistance
   - High resistance to oil, solvents, bleaches, etc.

4. Non-Flammable
   - Inherently non-flammable.

5. Conductive
   - Inherently conductive
METAL JOINTS

Comprehensive Production from part manufacturing to assembly
METAL JOINTS
FOR Ø28

Comprehensive Production from part manufacturing to assembly

H-1
- 72g/ea
- 240ea/box

H-1B
- 62g/ea
- 240ea/box

H-2
- 96g/ea
- 150ea/box

H-3
- 122g/ea
- 70ea/box

H-4
- 112g/ea
- 180ea/box

H-6
- 50g/ea
- 180ea/box

H-6B
- 40g/ea
- 180ea/box
METAL JOINTS FOR Ø28

H-7A
- 44g/ea
- 300ea/box

H-7B
- 54g/ea
- 300ea/box

H-7C
- 52g/ea
- 300ea/box

H-8
- 48g/ea
- 300ea/box

H-9
- 140g/ea
- 100ea/box

H-12
- 60g/ea
- 180ea/box

H-13A
- 60g/ea
- 140ea/box

H-13B
- 60g/ea
- 140ea/box

Comprehensive Production from part manufacturing to assembly
METAL JOINTS
FOR Ø28

Comprehensive Production from part manufacturing to assembly

H-14
- 60g/ea
- 200ea/box

H-15A
- 44g/ea
- 300ea/box

H-15B
- 38g/ea
- 300ea/box

H-16
- 50g/ea
- 300ea/box

H-17
- 54g/ea
- 200ea/box

H-18
- 64g/ea
- 200ea/box

H-24
- 94g/ea
- 150ea/box

H-34
- 100g/ea
- 150ea/box
METAL JOINTS
FOR Ø28

Comprehensive Production from part manufacturing to assembly

**H-44**
- 66g/ea
- 240ea/box

**H-45**
- 78g/ea
- 150ea/box

**H-90**
- 92g/ea
- 140ea/box

**H-103**
- 66g/ea
- 180ea/box

**H-104**
- 62g/ea
- 300ea/box

**H-110**
- 100g/ea
- 140ea/box

**H-160**
- 100g/ea
- 180ea/box
METAL JOINTS
FOR ø28

Comprehensive Production from part manufacturing to assembly

HJ-1
- H-01 (2)
- M0625/TN06 (1)

HJ-1B
- H-01B (2)
- M0625/TN06 (1)

HJ-2
- H-02 (1) / H-03 (1)
- M0625/TN06 (2)

HJ-3
- H-02 (2) / H-04 (1)
- M0625/TN06 (3)

HJ-4
- H-04 (2)
- M0625/TN06 (2)

HJ-5
- H-02 (4)
- M0625/TN06 (4)

HJ-6
- H-06 (2)
- M0625/TN06 (1)

HJ-6B
- H-06B (2)
- M0625/TN06 (1)

HJ-7
- H-07A (2) / H-07B (2)
- M0625/TN06 (2)

HJ-8
- H-08 (2)
- M0625/TN06 (1)
Comprehensive Production from part manufacturing to assembly

**HJ-9**
- H-09 (2)
- M0625/TN06 (1)

**HJ-10**
- H-10 (2)
- M0625/TN06 (1)

**HJ-11**
- H-11 (2)
- M0625/TN06 (1)

**HJ-12**
- H-12 (2)
- GAP-12 (1)
- M0625/TN06 (1)

**HJ-13**
- H-13A (1)/H-13B (1)
- M0625/TN06 (1)

**HJ-14**
- H-14 (2)/H-7B (4)
- M0625/TN06 (4)

**HJ-15**
- H-15A (1)/H-15B (1)
- M0615 (1), TN06 (1)

**HJ-16**
- H-16 (2)

**HJ-17**
- H-17 (2)/GAP-12 (1)
- M0625/TN06 (1)

**HJ-18**
- H-18 (2)/GAP-12 (2)
- M0625/TN06 (1)

**HJ-24**
- H-24 (2)/GAP-12 (1)
- M0625/TN06 (1)

**HJ-27**
- H-7C (2)/H-7B (2)
- M0625/TN06 (3)
METAL JOINTS
FOR Ø28

Comprehensive Production from part manufacturing to assembly

HJ-34
- H-34 (2)  M0625/TN06 (2)

HJ-44
- H-44 (2)  M0625/TN06 (1)

HJ-45
- H-45 (2)  M0625/TN06 (1)

HJ-90
- H-90 (2)  M0625/TN06 (2)

HJ-103
- H-103 (2)  M0625/TN06 (1)

HJ-104
- H-104 (2)  M0625/TN06 (1)

HJ-110
- H-110 (2)  M0625/TN06 (2)

HJ-160
- H-160 (2)  M0625/TN06 (2)
PLASTIC JOINTS

Comprehensive Production from part manufacturing to assembly
PLASTIC JOINTS

Comprehensive Production from part manufacturing to assembly

GAP-1

GAP-2A

GAP-2B

GAP-3

GAP-4C

GAP-5

GAP-6

GAP-7

GAP-8

GAP-10R

GAP-10L

5000ea/box 5.4g/ea
Comprehensive Production from part manufacturing to assembly

GAP-11

GAP-12

GAP-17

GAP-18

GAP-19

GAP-23

GAP-31

GAP-34

GAP-46

GAP-138S

PLASTIC JOINTS

700ea/box 35g/ea

500ea/box 21g/ea

1,000ea/box 8g/ea

2,000ea/box 6.5g/ea

250ea/box 18g/ea

600ea/box 16g/ea

600ea/box 14g/ea

2,000ea/box 4g/ea
Comprehensive Production from part manufacturing to assembly

ROLLER TRACKS

GP-40 Series
GP-60 Series
GP-80 Series
Mounting Brackets
Comprehensive Production from part manufacturing to assembly

**PLACON STANDARD LENGTH 3M / 4M**

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<thead>
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<th>PRODUCT CODE</th>
<th>BODY</th>
<th>ROLLER SIZE</th>
<th>ROLLER PITCH</th>
<th>PIN LENGTH</th>
<th>CAPACITY</th>
<th>PRODUCT WEIGHT</th>
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<td>350 Kg/m</td>
</tr>
<tr>
<td></td>
<td>GP-80M</td>
<td>STEEL</td>
<td>33</td>
<td>23</td>
<td>5</td>
<td>78</td>
<td>350 Kg/m</td>
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</tbody>
</table>

**ROLLER TRACK NUMBERING SYSTEM**

**GP 40 A**

- **SERIES**
- **ROLLE R TYPE**

**ROLLER COLOR**
- WH: WHITE
- BK: BLACK
- YL: YELLOW
ROLLER TRACKS

• 40 SERIES (STEEL)
  - GP-40A
  - GP-40B
  - GP-40B/ESD
  - GP-40B/Y
  - GP-40C
  - GP-40C/ESD

• 60 SERIES (STEEL)
  - GP-60B
  - GP-60B/ESD
  - GP-60S
  - GP-60S/ESD

• 80 SERIES (STEEL)
  - GP-80B
  - GP-80M
• MOUNTING BRACKETS (GP-40 Series)

GP-A Roller Mounting Bracket
- 80ea/box
- 130g/ea

GP-A-1 Roller Mounting Bracket
- 60ea/box
- 240g/ea

GP-A-L Roller Mounting Bracket/L
- 40ea/box
- 240g/ea

GP-A-R Roller Mounting Bracket/R
- 40ea/box
- 240g/ea

GP-B Roller Mounting Bracket/Tab Stop
- 60ea/box
- 154g/ea

GP-B-1 Roller Mounting Bracket/Tab Stop
- 50ea/box
- 162g/ea

GP-B-L Roller Mounting Bracket/L
- 30ea/box
- 240g/ea

GP-B-R Roller Mounting Bracket/R
- 30ea/box
- 240g/ea
• **MOUNTING BRACKETS (GP-40 Series)**

**GP-C Roller Track Union**
- 100 ea/box
- 120 g/ea

**GP-C-1 Roller Track Union/Center Support**
- 40 ea/box
- 174 g/ea

**GP-CN Roller Track Union**
- 70 ea/box
- 148 g/ea

**GP-D Roller Mounting Bracket/Drop Stop**
- 70 ea/box
- 150 g/ea

**GP-D-1 Roller Mounting Bracket/Drop Stop**
- 70 ea/box
- 150 g/ea

**GP-E Roller Mounting Bracket/Center Support**
- 150 ea/box
- 240 g/ea

**GP-EN Roller Mounting Bracket/Center Support**
- 40 ea/box
- 148 g/ea
• MOUNTING BRACKETS (GP-40 Series)

GP-F Roller Mounting Bracket
- 30ea/box
- 120g/ea

GP-G Roller Mounting Bracket/Tab Stop
- 50ea/box
- 150g/ea

GP-HN Roller Track Union
- 30ea/box
- 240g/ea

GP-HN-1 Roller Track Union
- 30ea/box
- 226g/ea

GP-HN-2 Roller Track Union
- 30ea/box
- 240g/ea

GP-L Roller Mounting Bracket /X
- 80ea/box
- 145g/ea

GP-J Adjustable to Slide Pipe Union
- 30ea/box
- 228g/ea
• MOUNTING BRACKETS (GP-60 Series)

GP-A60 Roller Mounting Bracket

GP-B60 Roller Mounting Bracket/Tab Stop

GP-C60 Roller Track Union

GP-CN60 Roller Track Union

GP-D60 Roller Mounting Bracket/Drop Stop

GP-E60 Roller Track Union/Center Support

GP-EN60 Roller Track Union/Center Support

GP-M60 Roller Mounting Bracket
• MOUNTING BRACKETS (GP-80 Series)

- **GP-A80 Roller Mounting Bracket**
- **GP-A80-R Roller Mounting Bracket/R**
- **GP-A80-L Roller Mounting Bracket/L**
- **GP-B80 Roller Mounting Bracket/Tab Stop**
- **GP-B80-R Roller Mounting Bracket/R**
- **GP-B80-L Roller Mounting Bracket/L**
- **GP-C80 Roller Track Union**
- **GP-C80-1 Roller Track Union**
- **GP-D80 Roller Mounting Bracket**
- **GP-E80 Roller Track Union**

- 20ea/box 240g/ea
- 60ea/box 240g/ea
- 90ea/box 240g/ea
- 150ea/box 90g/ea
Mounting Brackets (GP-80 Series)

GP-B80-R Roller Mounting Bracket/R
GP-A80-L Roller Mounting Bracket/L
GP-B80 Roller Mounting Bracket/Tab Stop

ACCESSORIES

Mounting Brackets (Slide Pipe Series)
Other
Name-Plate
Guide Rails
Leveling Feet
Plastic Channel
Threaded Inserts

Comprehensive Production from part manufacturing to assembly
• Slide Pipe Mounting Bracket

**GS-A Slide Pipe Mount**
- 100ea/box
- 114g/ea

**GS-B Slide Pipe Mount/Tap Stop**
- 50ea/box
- 132g/ea

**GS-C Slide Pipe Mount Guide Bracket**
- 50ea/box
- 126g/ea

**GS-B-1 Slide Pipe Mount/Tab Stop**
- 50ea/box
- 140g/ea

**GS-D Slide Pipe Mount/Drop Stop**
- 50ea/box
- 128g/ea

**GS-D-1 Slide Pipe Mount/Drop Stop**
- 70ea/box
- 240g/ea

**GS-HN Slide Pipe Mount**
- 50ea/box
- 156g/ea
ACCESSORIES

- Slide Pipe Mounting Bracket

**AD-SM Stanchion Mount Single**
- Quantity: 40 ea/box
- Weight: 178 g/ea

**AD-SM-1 Stanchion Mount Single**
- Quantity: 100 ea/box
- Weight: 240 g/ea

**CM-100 Caster Mount Strap**
- Quantity: 150 ea/box
- Weight: 102 g/ea

**CM-200 Caster Mount Strap**
- Quantity: 120 ea/box
- Weight: 120 g/ea

**CM-A Corner Metal**
- Quantity: 50 ea/box
- Weight: 72 g/ea

**CM-B Corner Metal**
- Quantity: 50 ea/box
- Weight: 110 g/ea

**CS28L Corner Support-L**
- Quantity: 20 ea/box
- Weight: 988 g/ea

**CS28R Corner Support-R**
- Quantity: 20 ea/box
- Weight: 988 g/ea

**EWS-A Entrance Work Stopper**
- Quantity: 300 ea/box
- Weight: 60 g/ea

**F-A Handle (Flat Type)**
- Quantity: 600 ea/box
- Weight: 22 g/ea
ACCESSORIES

• Other

FH-A Front Hual Ring-A

FH-B Front Hual Ring-B

GS-1014B Sleeve Hanger

HK28WA Pipe Rest

HK28WB Pipe Rest

HK28WC Pipe Rest

HK28YA Hanger Metal

LK28A Pipe Connector for ABS Pipe

LK28S Pipe Connector for SUS Pipe

MT-5100 Forklift Hook

FH-A Front Hual Ring-A

FH-B Front Hual Ring-B

GS-1014B Sleeve Hanger

HK28WA Pipe Rest

HK28WB Pipe Rest

HK28WC Pipe Rest

HK28YA Hanger Metal

LK28A Pipe Connector for ABS Pipe

LK28S Pipe Connector for SUS Pipe

MT-5100 Forklift Hook

• Other

FH-A Front Hual Ring-A

FH-B Front Hual Ring-B

GS-1014B Sleeve Hanger

HK28WA Pipe Rest

HK28WB Pipe Rest

HK28WC Pipe Rest

HK28YA Hanger Metal

LK28A Pipe Connector for ABS Pipe

LK28S Pipe Connector for SUS Pipe

MT-5100 Forklift Hook
### ACCESSORIES

**• Other**

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<tr>
<th>Product</th>
<th>Quantity/Box</th>
<th>Weight/ea</th>
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<tbody>
<tr>
<td>PC-A Base Lock Metal</td>
<td>150</td>
<td>82</td>
</tr>
<tr>
<td>PC-B Pipe Clamp (Single Mount)</td>
<td>400</td>
<td>20</td>
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<tr>
<td>PC-C Pipe Clamp (Double Mount)</td>
<td>200</td>
<td>26</td>
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<td>PC-D Pipe Lock Metal</td>
<td>200</td>
<td>126</td>
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<tr>
<td>PC-M Board Fixing</td>
<td>400</td>
<td>14</td>
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<td>PH-A Hanger (Pipe Hanging Metal)</td>
<td>1,000</td>
<td>8</td>
</tr>
<tr>
<td>R-A Handle (Round Type)-L400</td>
<td>600</td>
<td>22</td>
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<tr>
<td>OL-C Overlap Cap</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MT-5143 Gas Spring</td>
<td>100</td>
<td>223</td>
</tr>
<tr>
<td>MT-5148 Floor Lock (4&quot; / 5&quot; / 6&quot;)</td>
<td>100</td>
<td>223</td>
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• Other

TH50PA

TH50PB

BH-A

BH-B

RF-02

SG-28A
ACCESSORIES

• Other

<table>
<thead>
<tr>
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<th>LENGTH</th>
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<th>QTY</th>
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<tr>
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<td>30mm</td>
<td>100</td>
<td>12g</td>
<td>800</td>
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<td>LH-3015CS</td>
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<td>150</td>
<td>16g</td>
<td>600</td>
</tr>
<tr>
<td>LH-3020CS</td>
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<td>LH-3030CS</td>
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<td>300</td>
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<table>
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<th>QTY</th>
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</thead>
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<tr>
<td>LH-5010CL</td>
<td>55mm</td>
<td>100</td>
<td>22g</td>
<td>400</td>
</tr>
<tr>
<td>LH-5015CL</td>
<td></td>
<td>150</td>
<td>33g</td>
<td>300</td>
</tr>
<tr>
<td>LH-5020CL</td>
<td></td>
<td>200</td>
<td>44g</td>
<td>200</td>
</tr>
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<td>LH-5030CL</td>
<td></td>
<td>300</td>
<td>66g</td>
<td>100</td>
</tr>
</tbody>
</table>

- LH-3010CS
  - 300ea/box 12g/ea

- LH-5010CL
  - 400ea/box 22g/ea

- NP-0120
  - 3,000ea/box 6g/ea

- NP-0152
  - 2,500ea/box 12g/ea

- NP-0180
  - 1,000ea/box 20g/ea

- NP-0220
  - 700ea/box 30g/ea

- NP-0215
  - 700ea/box 48g/ea

- NP-0300
  - 700ea/box 50g/ea

- NP-0307
  - 300ea/box 84g/ea

- NP-0430
  - 100ea/box 170g/ea
### ACCESSORIES

#### Plastic Channel

![Plastic Channel Image]

- **Type:** Plastic Channel
- **(T-TYPE):**
- **(L-TYPE):**
- **PIPE COVER (IV, GR, GN):**

![3M Standards]

#### GUIDE RAILS

<table>
<thead>
<tr>
<th></th>
<th>RG-40A</th>
<th>RG-40B</th>
<th>RG-40C</th>
<th>RG-40E</th>
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<tbody>
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<td>Product</td>
<td>![Image]</td>
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<tr>
<td>Scale</td>
<td>![Image]</td>
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<td>![Image]</td>
</tr>
<tr>
<td>A</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>B</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
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<tr>
<td>C</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
</tbody>
</table>

**Types:**
- **(GUIDE RAIL TYPE-A):** 550g/M
- **(GUIDE RAIL TYPE-B):** 850g/M
- **(GUIDE RAIL TYPE-C):** 750g/M
- **(GUIDE RAIL TYPE-D):** 900g/M

3 M (Standard)
ACCESSORIES

• Adjuster

AD30PA  AD32WB  AD32WD

AD38RA  AD38RB  AD38WC

AD50RAN  AD50RAN-E  AD50RBN  AD50WA

AD50WC  AD55WB  AD55WC

• Threaded Insert

<table>
<thead>
<tr>
<th>INSERT NUT (1/2&quot;)</th>
<th>PRODUCT CODE</th>
<th>Q'ty / BOX</th>
<th>UNIT WEIGHT</th>
<th>Ø(x, x)</th>
<th>THICKNESS (PIPE ㎜)</th>
<th>PIPES (TUBING)</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TBI1207C</td>
<td>300</td>
<td>96g</td>
<td>25.4</td>
<td>10.7</td>
<td>FOR COATED PIPE</td>
<td></td>
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<tr>
<td></td>
<td>TBI1210C</td>
<td></td>
<td>68g</td>
<td>23.6</td>
<td>11.0</td>
<td></td>
<td></td>
</tr>
<tr>
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<td>TBI1220C</td>
<td></td>
<td>60g</td>
<td>21.6</td>
<td>12.0</td>
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<td></td>
<td>TBI1207S</td>
<td></td>
<td>95g</td>
<td>26.4</td>
<td>10.7</td>
<td>FOR STAINLESS PIPE</td>
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<tr>
<td></td>
<td>TBI1212S</td>
<td></td>
<td>85g</td>
<td>25.6</td>
<td>11.2</td>
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For Adjustable / Bolt Caster 2"

<table>
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<th>PRODUCT CODE</th>
<th>Q'ty / BOX</th>
<th>UNIT WEIGHT</th>
<th>Ø(x, x)</th>
<th>THICKNESS (PIPE ㎜)</th>
<th>PIPES (TUBING)</th>
<th>MODEL</th>
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<tbody>
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<td>73g</td>
<td>25.4</td>
<td>10.7</td>
<td>FOR COATED PIPE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TBM1210CL</td>
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<td>69g</td>
<td>23.6</td>
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<td></td>
<td>TBM1207SL</td>
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<td>77g</td>
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For Bolt Caster 3", 4"
### BOLT / NUT

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<th>Part No.</th>
<th>Item</th>
<th>Spec</th>
<th>Color</th>
<th>Usage</th>
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<td>TN06W</td>
<td>T-Nut</td>
<td>M6</td>
<td>White</td>
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<td>Metal Joint</td>
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<tr>
<td>TN06B</td>
<td>T-Nut</td>
<td>M6</td>
<td>Black</td>
<td></td>
<td>Caster Mount</td>
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<tr>
<td>NN08W</td>
<td>Nylon Nut</td>
<td>M8</td>
<td>White</td>
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### Fastener Type

<table>
<thead>
<tr>
<th>Fastener Type</th>
<th>Part No.</th>
<th>Item</th>
<th>Spec</th>
<th>Color</th>
<th>Usage</th>
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<td>M6x25</td>
<td>P 1.0</td>
<td>White</td>
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<td>Metal Joint</td>
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<tr>
<td>M0625B</td>
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<td>P 1.0</td>
<td>Black</td>
<td></td>
<td></td>
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<tr>
<td>M0630W</td>
<td>M6x30</td>
<td>P 1.0</td>
<td>White</td>
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<tr>
<td>M0630B</td>
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<td>P 1.0</td>
<td>Black</td>
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<tr>
<td>GM835Y</td>
<td>M8 Bolt</td>
<td>L35xP 1.25</td>
<td>White</td>
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<td>Caster Mount</td>
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<td>GM840Y</td>
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<td>L40xP 1.25</td>
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### Dimensions

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<th>C</th>
<th>D</th>
<th>E</th>
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<tbody>
<tr>
<td></td>
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<td>SWIVEL</td>
<td>WIDTH</td>
<td>DIAMETER</td>
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</table>
ACCESSORIES

• BOARD / SHEET

- PLAST WOOD
- PLY WOOD
- FOMICA BOARD
- POLYCARBONATES
- PLASTIC CORRUGATED
- PVC CLEAR CURTAIN
- ESD MAT
- ESD GRID CURTAIN
- ACRYLIC
- SPONGE (Softlon)
- EVA FOAM

• TOOLS

- Manual Pipe Cutter (1PJACC-194)
- Blade Saw For Coated Pipe (1PJACC-198)
- Blade Saw For Stainless Pipe (1PJACC-203)
Aluminum Pipe System

Comprehensive Production from part manufacturing to assembly
# Aluminum Pipe System

## Aluminum Product

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<thead>
<tr>
<th>TAL-4000</th>
<th>TAL-2088</th>
<th>TAL-2089</th>
<th>TAL-2090</th>
<th>TAL-2091</th>
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<td>TAL-1</td>
<td>TAL-2</td>
<td>TAL-3</td>
<td>TAL-4</td>
<td>TAL-5</td>
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<tr>
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<tr>
<td>TAL-6</td>
<td>TAL-7</td>
<td>TAL-8</td>
<td>TAL-9</td>
<td>TAL-10</td>
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<tr>
<td>TAL-11</td>
<td>TAL-12</td>
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<td>M8*40</td>
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<tr>
<td>TAL-2044C</td>
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<td>TAL-110</td>
<td>TBM1212AGO</td>
<td>TBM1212AO</td>
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Comprehensive Production from part manufacturing to assembly
CASTER

• **Light Duty Caster**

 Wheel Name: Nylon
 Wheel Center: None
 Bearing: None

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<thead>
<tr>
<th>D (Inch)</th>
<th>D (mm)</th>
<th>d (mm)</th>
<th>Z (mm)</th>
<th>W (mm)</th>
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<tbody>
<tr>
<td>2</td>
<td>50</td>
<td>6.3</td>
<td>25</td>
<td>20</td>
</tr>
<tr>
<td>2.5</td>
<td>65</td>
<td>6.3</td>
<td>25</td>
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</tr>
<tr>
<td>3</td>
<td>75</td>
<td>6.3</td>
<td>25</td>
<td>22</td>
</tr>
</tbody>
</table>

Chrome Housing with Swivel & Brake Threaded Stem

<table>
<thead>
<tr>
<th>D (Inch)</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>L (mm)</th>
<th>T (mm)</th>
<th>S (mm)</th>
<th>E (mm)</th>
<th>Load (Kgs/Pcs)</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>50</td>
<td>67</td>
<td>15</td>
<td>1/2 NF</td>
<td>21</td>
<td>18</td>
<td>40</td>
</tr>
<tr>
<td>2.5</td>
<td>65</td>
<td>84</td>
<td>15</td>
<td>1/2 NF</td>
<td>21</td>
<td>20</td>
<td>45</td>
</tr>
<tr>
<td>3</td>
<td>75</td>
<td>99</td>
<td>25</td>
<td>1/2 NF</td>
<td>21</td>
<td>28</td>
<td>50</td>
</tr>
</tbody>
</table>

Chrome Housing with Swivel & Brake Plate

<table>
<thead>
<tr>
<th>D (Inch)</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>A x B (mm)</th>
<th>X x Y (mm)</th>
<th>P (mm)</th>
<th>E (mm)</th>
<th>Load (Kgs/Pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>50</td>
<td>65</td>
<td>60 x 48</td>
<td>64 x 34</td>
<td>6.5</td>
<td>18</td>
<td>40</td>
</tr>
<tr>
<td>2.5</td>
<td>65</td>
<td>82</td>
<td>60 x 48</td>
<td>64 x 34</td>
<td>6.5</td>
<td>20</td>
<td>45</td>
</tr>
<tr>
<td>3</td>
<td>75</td>
<td>94</td>
<td>60 x 48</td>
<td>64 x 34</td>
<td>6.5</td>
<td>28</td>
<td>50</td>
</tr>
</tbody>
</table>

Chrome Housing with Fixed Plate

<table>
<thead>
<tr>
<th>D (Inch)</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>AxB (mm)</th>
<th>XxY (mm)</th>
<th>P (mm)</th>
<th>Load (Kgs/Pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>50</td>
<td>65</td>
<td>58 x 40</td>
<td>45 x 25</td>
<td>6.5</td>
<td>40</td>
</tr>
<tr>
<td>2.5</td>
<td>65</td>
<td>82</td>
<td>70 x 46</td>
<td>54 x 28</td>
<td>6.5</td>
<td>45</td>
</tr>
<tr>
<td>3</td>
<td>75</td>
<td>94</td>
<td>70 x 46</td>
<td>54 x 28</td>
<td>6.5</td>
<td>50</td>
</tr>
</tbody>
</table>

• Swivel/Bushing
• Brake/Bushing
• Swivel/Attaching
• Brake/Attaching
• Fix/Attaching
• **Light Duty Caster - Polyurethane Caster**

### Swivel & Brake Threaded Stem

<table>
<thead>
<tr>
<th>inch</th>
<th>Fitting Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2”</td>
<td>1/2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>mm</th>
<th>mm</th>
<th>mm</th>
<th>Kg</th>
<th>WHEEL</th>
<th>BEARING</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>44</td>
<td>72</td>
<td>35</td>
<td>PLY</td>
<td>Plain</td>
</tr>
</tbody>
</table>

### Swivel & Brake Threaded Stem

<table>
<thead>
<tr>
<th>inch</th>
<th>Fitting Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3”</td>
<td>1/2</td>
</tr>
<tr>
<td>4”</td>
<td>1/2</td>
</tr>
<tr>
<td>5”</td>
<td>1/2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>mm</th>
<th>mm</th>
<th>mm</th>
<th>mm</th>
<th>Kg</th>
<th>WHEEL</th>
<th>BEARING</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>34</td>
<td>107</td>
<td>100</td>
<td>PLY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>34</td>
<td>128</td>
<td>120</td>
<td>PLY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>32</td>
<td>128</td>
<td>150</td>
<td>PLY</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Swivel & Brake Plate

<table>
<thead>
<tr>
<th>inch</th>
<th>mm</th>
<th>mm</th>
<th>mm</th>
<th>Kg</th>
<th>WHEEL</th>
<th>BEARING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3”</td>
<td>32</td>
<td>73</td>
<td>104</td>
<td>100</td>
<td>76 to 73 x 45</td>
<td>PLY</td>
</tr>
<tr>
<td>4”</td>
<td>32</td>
<td>89</td>
<td>129</td>
<td>105</td>
<td>95 x 64</td>
<td>PLY</td>
</tr>
<tr>
<td>5”</td>
<td>32</td>
<td>101</td>
<td>156</td>
<td>115</td>
<td>95 x 64</td>
<td>PLY</td>
</tr>
</tbody>
</table>

### Fix Plate

<table>
<thead>
<tr>
<th>inch</th>
<th>mm</th>
<th>Kg</th>
<th>WHEEL</th>
<th>BEARING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3”</td>
<td>32</td>
<td>104</td>
<td>100</td>
<td>Ball</td>
</tr>
<tr>
<td>4”</td>
<td>32</td>
<td>129</td>
<td>105</td>
<td>Ball</td>
</tr>
<tr>
<td>5”</td>
<td>32</td>
<td>156</td>
<td>115</td>
<td>Ball</td>
</tr>
</tbody>
</table>
CASTER

• Light Duty Caster - Polyurethane Caster

PLATE TYPE (Low) 4-6 Inch

Swivel & Brake Plate

<table>
<thead>
<tr>
<th>Inch</th>
<th>Width</th>
<th>Depth</th>
<th>KG</th>
<th>Wheel Diameter</th>
<th>Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>38</td>
<td>82</td>
<td>137</td>
<td>200</td>
<td>PLY</td>
</tr>
<tr>
<td>5&quot;</td>
<td>40</td>
<td>90</td>
<td>165</td>
<td>250</td>
<td>Roller</td>
</tr>
<tr>
<td>6&quot;</td>
<td>44</td>
<td>108</td>
<td>190</td>
<td>270</td>
<td>PLY</td>
</tr>
</tbody>
</table>

Available in gray

• Swivel/Attaching
• Brake/Attaching

Fixed Plate

<table>
<thead>
<tr>
<th>Inch</th>
<th>Width</th>
<th>Depth</th>
<th>KG</th>
<th>Wheel Diameter</th>
<th>Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>38</td>
<td>X</td>
<td>137</td>
<td>200</td>
<td>PLY</td>
</tr>
<tr>
<td>5&quot;</td>
<td>40</td>
<td>X</td>
<td>165</td>
<td>250</td>
<td>Roller</td>
</tr>
<tr>
<td>6&quot;</td>
<td>44</td>
<td>X</td>
<td>190</td>
<td>270</td>
<td>PLY</td>
</tr>
</tbody>
</table>

Available in gray

• Fix/Attaching

PLATE TYPE (High) 4-6 Inch

Swivel & Brake Plate

<table>
<thead>
<tr>
<th>Inch</th>
<th>Width</th>
<th>Depth</th>
<th>KG</th>
<th>Wheel Diameter</th>
<th>Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>48</td>
<td>76</td>
<td>141</td>
<td>320</td>
<td>PLY</td>
</tr>
<tr>
<td>5&quot;</td>
<td>48</td>
<td>90</td>
<td>165</td>
<td>340</td>
<td>Ball</td>
</tr>
<tr>
<td>6&quot;</td>
<td>48</td>
<td>108</td>
<td>190</td>
<td>360</td>
<td>PLY</td>
</tr>
</tbody>
</table>

Available in gray

• Swivel/Attaching
• Brake/Attaching

Fixed Plate

<table>
<thead>
<tr>
<th>Inch</th>
<th>Width</th>
<th>Depth</th>
<th>KG</th>
<th>Wheel Diameter</th>
<th>Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>48</td>
<td>X</td>
<td>141</td>
<td>320</td>
<td>PLY</td>
</tr>
<tr>
<td>5&quot;</td>
<td>48</td>
<td>X</td>
<td>165</td>
<td>340</td>
<td>Ball</td>
</tr>
<tr>
<td>6&quot;</td>
<td>48</td>
<td>X</td>
<td>190</td>
<td>360</td>
<td>PLY</td>
</tr>
</tbody>
</table>

Available in gray

• Fix/Attaching
## Grey Rubber Caster

### Swivel & Brake Threaded Stem

<table>
<thead>
<tr>
<th>Inch</th>
<th>mm</th>
<th>mm</th>
<th>kg (max)</th>
<th>Threaded Stem Spec</th>
<th>KG</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>30</td>
<td>34</td>
<td>50</td>
<td>1/4&quot; x 20G</td>
<td>50</td>
</tr>
<tr>
<td>4&quot;</td>
<td>30</td>
<td>34</td>
<td>70</td>
<td>1/2&quot; UNF</td>
<td>70</td>
</tr>
<tr>
<td>5&quot;</td>
<td>30</td>
<td>32</td>
<td>100</td>
<td>1/2&quot; UNF</td>
<td>100</td>
</tr>
</tbody>
</table>

- **Swivel/Bushing**
- **Brake/Bushing**

### Swivel & Brake Plate

<table>
<thead>
<tr>
<th>Inch</th>
<th>mm</th>
<th>mm</th>
<th>mm</th>
<th>kg (max)</th>
<th>Bolt Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>30</td>
<td>34</td>
<td>107</td>
<td>50</td>
<td>9</td>
</tr>
<tr>
<td>4&quot;</td>
<td>30</td>
<td>34</td>
<td>128</td>
<td>70</td>
<td>9</td>
</tr>
<tr>
<td>5&quot;</td>
<td>30</td>
<td>32</td>
<td>152</td>
<td>100</td>
<td>9</td>
</tr>
</tbody>
</table>

- **Swivel/Attaching**
- **Brake/Attaching**

### Fixed Plate

<table>
<thead>
<tr>
<th>Inch</th>
<th>mm</th>
<th>mm</th>
<th>mm</th>
<th>kg (max)</th>
<th>Bolt Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>30</td>
<td>X</td>
<td>107</td>
<td>50</td>
<td>9</td>
</tr>
<tr>
<td>4&quot;</td>
<td>30</td>
<td>128</td>
<td>70</td>
<td>70</td>
<td>9</td>
</tr>
<tr>
<td>5&quot;</td>
<td>30</td>
<td>152</td>
<td>100</td>
<td>100</td>
<td>9</td>
</tr>
</tbody>
</table>

- **Fix/Attaching**
### Black Rubber Caster

#### Swivel & Brake Threaded Stem

<table>
<thead>
<tr>
<th>Inch</th>
<th>mm</th>
<th>mm</th>
<th>mm</th>
<th>Fitting Type</th>
<th>Threaded Stem Spec</th>
<th>KG kg(max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>25</td>
<td>34</td>
<td>107</td>
<td>1/2&quot; UNF</td>
<td>1/4&quot; x 20G</td>
<td>50</td>
</tr>
<tr>
<td>4&quot;</td>
<td>30</td>
<td>34</td>
<td>128</td>
<td></td>
<td></td>
<td>70</td>
</tr>
<tr>
<td>5&quot;</td>
<td>30</td>
<td>32</td>
<td>152</td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

#### Swivel & Brake Plate

<table>
<thead>
<tr>
<th>Inch</th>
<th>mm</th>
<th>mm</th>
<th>mm</th>
<th>KG kg(max)</th>
<th>Bolt Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>25</td>
<td>34</td>
<td>107</td>
<td>50</td>
<td>72 x 52 / 80 x 60</td>
</tr>
<tr>
<td>4&quot;</td>
<td>30</td>
<td>34</td>
<td>128</td>
<td>70</td>
<td>103 x 79</td>
</tr>
<tr>
<td>5&quot;</td>
<td>30</td>
<td>32</td>
<td>152</td>
<td>100</td>
<td>9</td>
</tr>
</tbody>
</table>

#### Fixed Plate

<table>
<thead>
<tr>
<th>Inch</th>
<th>mm</th>
<th>mm</th>
<th>mm</th>
<th>KG kg(max)</th>
<th>Bolt Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>25</td>
<td>X</td>
<td>107</td>
<td>50</td>
<td>72 x 52 / 80 x 60</td>
</tr>
<tr>
<td>4&quot;</td>
<td>30</td>
<td></td>
<td>128</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>5&quot;</td>
<td>30</td>
<td></td>
<td>152</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>
### ESD Caster

#### Swivel & Brake Threaded Stem

<table>
<thead>
<tr>
<th>inch</th>
<th>mm</th>
<th>mm</th>
<th>kg (max)</th>
<th>Threaded Stem Spec</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>30</td>
<td>34</td>
<td>107</td>
<td>1/2” UNF</td>
</tr>
<tr>
<td>4&quot;</td>
<td>30</td>
<td>34</td>
<td>128</td>
<td>1/4” x 20G</td>
</tr>
<tr>
<td>5&quot;</td>
<td>30</td>
<td>32</td>
<td>152</td>
<td></td>
</tr>
</tbody>
</table>

#### Swivel & Brake Plate

<table>
<thead>
<tr>
<th>inch</th>
<th>mm</th>
<th>kg (max)</th>
<th>Threaded Stem Spec</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>30</td>
<td>107</td>
<td>100</td>
</tr>
<tr>
<td>4&quot;</td>
<td>30</td>
<td>128</td>
<td>120</td>
</tr>
<tr>
<td>5&quot;</td>
<td>30</td>
<td>152</td>
<td>150</td>
</tr>
</tbody>
</table>

#### Fixed Plate

<table>
<thead>
<tr>
<th>inch</th>
<th>mm</th>
<th>kg (max)</th>
<th>Threaded Stem Spec</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>30</td>
<td>X</td>
<td>100</td>
</tr>
<tr>
<td>4&quot;</td>
<td>30</td>
<td>128</td>
<td>120</td>
</tr>
<tr>
<td>5&quot;</td>
<td>30</td>
<td>152</td>
<td>150</td>
</tr>
</tbody>
</table>
Comprehensive Production from part manufacturing to assembly
**WORK FLOW**

In order to manufacture and deliver transport trolleys, workstations and flow racks as per requirements, it is necessary to follow the sequence of operations listed below.

1. **CHECK (View)**
2. **DRAWING (Design)**
3. **CONFIRMATION (Check)**
4. **MANUFACTURE (Production)**
5. **DELIVERY**

**CALCULATION METHOD OF PIPE LENGTH**

How to calculate the length of a pipe is illustrated below. The following points have to be taken into consideration, the length of pipe to be inserted into the joint and the distance between joint centers. Based on this information the length of the pipe can be calculated.

- **Horizontal**: 800 - Length between the both centers
  - Calculating: -70 - Total length between each end of the joint
  - The Lengths: 730 - Pipe and each center of joint (35mm×2)

- **Vertical**: 530 - Length between the both centers
  - Calculating: -25 - Length between the end of pipe and the end of adjust
  - The Lengths: 522 - Length between the center and the surface of joint

![Diagram of pipe length calculation](image)
TECHNICAL SPECIFICATIONS

• STRUCTURE BREAKDOWN

01 The drawing shown indicates the pipe length and the arrangement of the selected joints.

02 Size of the structure:
800(Width) x 1000(Length) x 1200(Height)

("H" represents the actual length of pipe)

• STRENGTH

■ PIPES & JOINTS
Like other material such as steel, aluminium and steel pipe, the strength of a structure depends on the design and manufacturing techniques used. When producing structures using pipes it is critical that the correct design and material selection has been undertaken to ensure the construction of safe equipment that meets all designed requirements.

■ Maximum resist strength of Joints
Maximum resist strength of pipe attached with metal joints.

<table>
<thead>
<tr>
<th>Direction</th>
<th>COATED PIPES</th>
<th>STAINLESS PIPES</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>75kg</td>
<td>75kg</td>
</tr>
<tr>
<td>Y</td>
<td>85kg</td>
<td>85kg</td>
</tr>
</tbody>
</table>

■ Test Condition
Test Speed : 5mm/min
Temperature : 23°C
**TECHNICAL SPECIFICATIONS**

- **Maximum Loading of Pipes**

<table>
<thead>
<tr>
<th>d (m)</th>
<th>1</th>
<th>1.25</th>
<th>1.5</th>
<th>1.75</th>
<th>2</th>
<th>2.25</th>
<th>2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOAD</td>
<td>68kg</td>
<td>55kg</td>
<td>46kg</td>
<td>39kg</td>
<td>34kg</td>
<td>30kg</td>
<td>27kg</td>
</tr>
</tbody>
</table>

  - Test Condition
    - Tensile Speed: 5mm/min
    - Temperature: 23°C

- **Maximum Loading of Placons**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>φ</th>
<th>LENGTH</th>
<th>LOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>40TYPE</td>
<td>30φ</td>
<td>1,000mm</td>
<td>100 kgf</td>
</tr>
<tr>
<td>60TYPE</td>
<td>30φ</td>
<td></td>
<td>115 kgf</td>
</tr>
<tr>
<td>60TYPE</td>
<td>16φ</td>
<td></td>
<td>105 kgf</td>
</tr>
<tr>
<td>80TYPE B</td>
<td>35φ</td>
<td></td>
<td>150 kgf</td>
</tr>
<tr>
<td>80TYPE M</td>
<td>33φ</td>
<td></td>
<td>200 kgf</td>
</tr>
</tbody>
</table>

  - Test Condition
    - Tensile Speed: 5mm/min
    - Temperature: 23°C

- **Limits of Temperature for Actual Use**

  The temperature for actual use of ABS Resin utilized at PIPE & JOINT is limited within
  - The working temperature for the ABS coated tube in between -10 and +60 degree C. Direct heat or freezing conditions should be avoided.
Comprehensive Production from part manufacturing to assembly

APPLICATI

Automotive Industry
Electronic Industry
APPLICATIONS

01. STORE RACK  
02. DOOR RACK  
03. IN PANEL CART

04. GLOVE BOX CART  
05. IN PANEL CART  
06. MOVING CART FOR GLOVE BOX

07. MOVING CART FOR HEAD LINING  
08. RACK FOR PAINTED FENDER  
09. PACK FOR BRAKE PARTS

10. MOVING CART FOR DUCT  
11. MOVING CART FOR EVA  
12. PACK FOR LINE

13. LINE RACK  
14. MOVING CART FOR DOOR TRIM PICKING  
15. MOVING CART FOR DOOR LOCK
APPLICATIONS

16. MOVING CART FOR LCD
17. MOVING CART FOR LCD
18. OPEN CART

19. DRAWER-STYLE MOVING CART
20. VERTICAL OPEN-SHUT MOVING CART
21. OPEN-SHUT CART

22. MOVING CART FOR AGING
23. ASSEMBLING LINE
24. MOVING CART FOR PREVENTING DIRT

25. MOVING CART FOR AGING
26. MOVING CART FOR BOTTOM SASHI
27. MOVING CART FOR PCB

28. MOVING CART FOR PCB(INSERT BOX)
29. MOVING CART FOR PCB(INSERT BOX)
30. MOVING CART FOR LCD PANEL
Other Product

Uninterruptible Power Supply (UPS)

**SINGLE PHASE UPS**

- **A series**
  - ACE
  - SAE 600 - 1500VA

- **B series**
  - BRIGHT
  - SBC 600 - 2000VA

- **C series**
  - CHALLENGER
  - SCC 1-3k

- **D series**
  - DYNAMIC 1-3K
  - SDC 1k, 2k, 3k

- **C series**
  - CHALLENGER - RT
  - SCCRM 1-3k

- **D series**
  - DYNAMIC 6K, 10K
  - SDC 6k, 10k

**THREE PHASE UPS**

- **E series**
  - ENTERPRISE
  - 3EC 10K, 20K, 30K, 40K

- **F series**
  - FORCE 30-200K
  - 3FCM 30K, 50K, 100K, 200K

- **F series**
  - FORCE 10-400K
  - 3FCM 10-400K

- **G series**
  - GENIUS
  - 3GCT 10-250K

- **G series**
  - UPS-SP

**BATTERY**

- 12V 7.2AH
- 12V 12AH
- 12V 55AH
- 12V 100AH
- 12V 9AH
- 12V 22AH
- 12V 75AH
- 12V 200AH

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**THAI INDUSTECH**

*SERVICE EXCELLENCE WITH PROFESSIONALISM*