



# PRODUCT CATALOG

Volume 8



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Established since **1996**

## Company Information

**TTF MARKETING HOLDINGS SDN. BHD.** 199601053540 (407754-H) is a leading Racking Systems and Office Systems pioneer in Malaysia. In order to achieve world class standard of quality, we heavily invest into modern machineries and latest sophisticated technology.

Our full range product such as Light Duty Racking Systems, Medium Duty Racking Systems, Heavy Duty Racking Systems, Steel Platform, Mezzanine Floor, Selective Pallet Racking, Automated Storage & Retrieval System, Gondola Shelving and Office Systems to all the market segment such as industrial, warehouse, office, retail, hypermarket and residential use. With our dynamic strength and full coordination, **TTF GROUP** also introduce another added products named **KOMADA** Material Handling Equipment, **SAFER** Stainless Steel Convex Mirror, **IRON MAN** Pallet Mesh, **SHUTER MAN** Aluminium Ladder and **FiTO** Office Systems.

Our quality standard awarded ISO 9001 authentication certificate. We are confident that with our expertise, latest technology, research and development, we can fulfil our customer needs and requirement to continually improve the effectiveness of Quality Management Systems.



Johor Branch



Production Factory @ Rawang



## **Brand Mission**

Creating innovative storage & retrieval solutions that are "effective & efficient".

## **Brand Vision**

Everyone can afford our "effective & efficient" storage & retrieval solutions.

## **Brand Positioning**

An innovative end-to-end storage & retrieval solution provider.

## **Brand Promise**

Innovative storage & retrieval solutions that are "effective & efficient".

## **Brand Values**

1. Solution-driven
2. Think innovatively
3. Ownership
4. Respect
5. Effective & Efficient

## **S.T.E.M Philosophy**

Save Space, Time, Energy & Money.



Our production team ensures the highest level of quality control with the latest CAD application software for maximum safety. Recognizing the needs for reliable, efficient and cost-effective racking systems, **TTF Group** main objective is always focus on providing the ultimate service and product to both local and international client alike.

We constantly seek new and innovative design and technology to complement our present racking systems. Whether high-rise or multi-tier shelving or racking needs, **TTF** reputation as the market leader for material handling in Malaysia is well known. We understand the need to always be adaptable to current global and business challenges.

Aware of the need for maximum safety in storage and racking systems, **TTF** utilizes state-of-the-art robotic welding systems to ensure lifetime durability in all storage design applications. Our roll forming facility is complemented by state-of-the-art modern mould making machines, stamping machines and the latest epoxy powder coating technology for long-lasting durability and toughness. All racking and storage systems can be color-coded according to specific storage applications.

We use ultra-modern panel sawing machines to enhance accuracy and quality to cut plywood and HDF board. After the elaborate fabricating process, our qualified installation team will finalize the construction process that will ensure a smooth and effective system required by our client's warehouse and logistics solution needs.





As an endorsement of our product quality and accredited with ISO 9001:2000 status, we annually subject our products to a stringent SIRIM QAS compression test. All our racking shelves were subjected through extreme load tests and was given the highest SIRIM approval ratings. We are proud to say that our products are next to none in the competitive industry of racking systems.



## ISO 9001:2015 Quality Management System

Towards better commitment to continue improvement and recognition to be high quality products for our customers. We had been officially accredited with ISO 9001:2000 certificate in year 2005.



ISO 9001:2015 Intertek Standards



ISO 9001:2015 Intertek UKAS Management System

## FIRA British Standard

TTF status is the leading producer of high-quality racking system. A further booster when it was confirmed and awarded the industry's highest certificate. The FIRA awarded to TTF MARKETING HOLDINGS SDN. BHD. (407754-H) on propelling itself as the industry leader in the region.



Scan the QR code for **Video** in our facebook page.

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**Star**  
SMEBIZ

MONDAY 9 MAY 2016

talking about 9

## Space \$aving solutions

Rising land prices, coupled with growth in the logistics industry, mean that storage and space-saving solutions will continue to be in demand, says TTF Marketing Holdings.

REPORTS

WHEN manufacturers move their production plants overseas to China and Vietnam, they will need to ship their products back. And they would require proper warehousing and logistics management services to help with the distribution to local and overseas markets.

This means Malaysia has the potential to become a big logistics centre in the future, says Vincent Ng, marketing director of TTF Marketing Holdings, a company with more than 30 years of experience in the storage and racking systems industry.

"The increase in trade development initiatives in the country provides great growth potential in the sector, says Ng.

"Therefore, the storage and racking systems industry will still be growing," he says, adding that rising land prices ensure that space-saving solutions remain relevant, if not crucial.

TTF is one of the leading manufacturers and players suppliers of storage systems in the country. According to Ng, the company has 30% of the market share and is working towards generating additional 30% revenue within the year.

"We are targeting to be listed on Bursa Malaysia's Main Board in five years' time," adds Ng.

In the beginning, the company focused solely on storage and racking systems, but now it offers a wider range of products, including material handling equipment and metal and office furniture, to cater to market demands.

The products that TTF offers, including its high-bay rack system, medium-bay rack system and multi-tier rack system and material handling equipment, is ideal for maximising space usage. Additionally, the company offers a variety of storage bins and containers, not to mention retail-related equipment like shopping baskets, gondola shelving and cradles.

Their finished material handling equipment makes it convenient to ship goods around, while the TTF Office Changer offers 40 kinds of office furniture.

"From display racks and material handling equipment to steel platforms and furniture, we have them all in our showroom," says Ng.

He stresses that the company is committed to producing robust and reliable products, and they ensure this by putting them through rigorous field and lab component tests.

"We use our shipping product



Ng showing off the multi-tier racks at TTF's showroom in Taiwan.

claims to support up to 100kg, the claim is backed by strict certification.

"To offer customers quality and innovative products, we invest in the latest production machines and quality control, not forgetting product safety too.

"Our products comply with

international design standards and requirements to ensure the highest safety standards," says Ng, pointing out that the quality management system was presented with the ISO 9001:2008 certification certificate last year.

The company's motto is "ideal for space", and their aim is to

help save costs by providing innovative solutions to problems related to storage and space.

"For example, when our customers grow, there is a need for increased production, which means you need to expand the factory.

"But purchasing another piece of industrial land to build a factory is extremely expensive.

"This is where we come into the picture, by providing solutions that will help lower their expansion costs by maximising space," says Ng.

The price of industrial land has risen from RM20 to RM30 per sq ft in the last 10 years back when the company first started.

"Our investment will yield the size to understand the customer's needs before coming up with a clear plan drawing out the necessary materials and cost.

"Upon confirmation, production and installation can be done within a month's time," explains Ng.

For more information on the company, you can visit [www.ttf.com.my](http://www.ttf.com.my)



TTF won numerous award and recognition throughout the year, TTF has dedicated its growth and success from contribution of our innovative development team and continuous support of our valued customers.



**Product Excellence Awards 2016**  
*SME Platinum Business Awards*



**Excellent Eagle 2016**  
*Nanyang Golden Eagle Awards*



**Product and Service Excellence Awards 2016**  
*Sin Chew Business Excellent Awards*



**Most Influential Awards 2016 - 2017**  
*Asia Pacific Golden Crown Awards*



**Majlis Anugerah Majikan Terbaik KWSP Selangor 2017**



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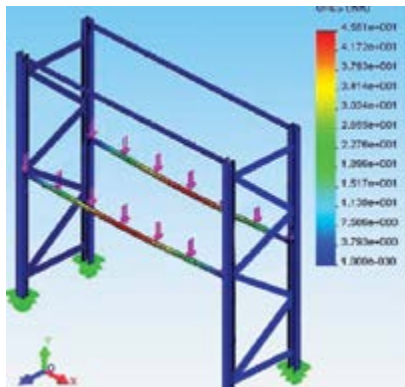
TTF stresses on high quality product and services to our customer. In the design and analysis process, high quality control and analysis is placed in the company's design and production. TTF invested a large capital stressing on CAD/CAE software to ensure the quality and continual improvement of the product.

TTF incorporates 3D modeling CAD for design and modeling capacity, reduces error in design and is easier to market. Also, this ensure the accuracy and quality in TTF's products.

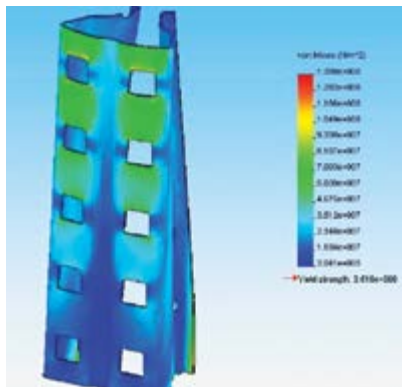
To ensure the quality of the products, TTF uses state-of-the-art computer-aided engineering (CAE) CosmosWorks to perform simulation and structural analysis. CosmosWorks incorporates the technology finite element analysis to study the factor of safety, deflection for the structure. Generally, finite element analysis is a method of simulating physical systems, in the area of :

- Static structural mechanics
- Motion kinematics and kinetics
- Heat dynamics
- Fluid dynamics
- Buckling analysis
- Frequency analysis
- Design optimization

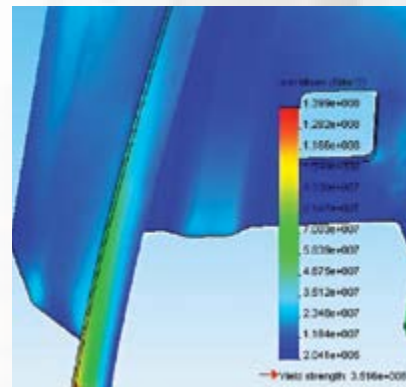
Finite element analysis breaks down the model into millions of discrete elements, and then performs calculation on each element to provide a fairly accurate simulation and forecast of the design done. The analysis is done with accurate moulding of the parts and assembly, and the loaded with the working load on the beams. Actual testing is done to validate against the analysis, and the result are found to be within 10% accuracy. The finite element analysis tool aids TTF are accurately stimulate and predict every design. The result is provides a quality product to our customers.



Racking design analysis done in finite element analysis to analyse the loading on the beams.

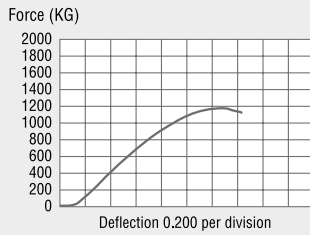


Finite element analysis done on the racking system to ensure the safety and quality of the product.

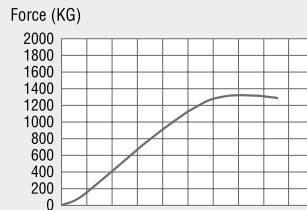


## Product Compression Test

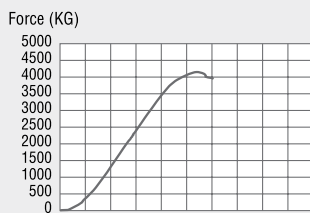
- Compression Test Adoption to ASTM D642



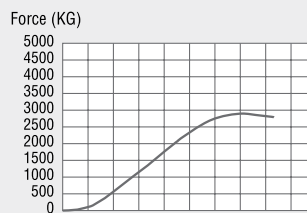
Product : Boltless Rack  
Size : 72"H x 24"D x 48"L  
Report No. : 2003MA0257  
Peak Force : 1188.8kg  
Deflection : 12.4mm



Product : Longspan Shelving Rack  
Size : 72"H x 24"D x 96"L  
Report No. : 2003MA0258  
Peak Force : 1326.3kg  
Deflection : 35.5mm



Product : Selective Pallet Rack  
Size : 1800H x 900D x 2446L (mm)  
Report No. : 2003MA0259  
Peak Force : 4159.6kg  
Deflection : 27.1mm



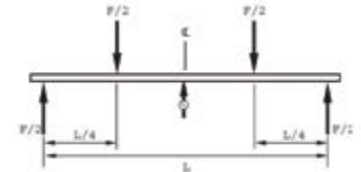
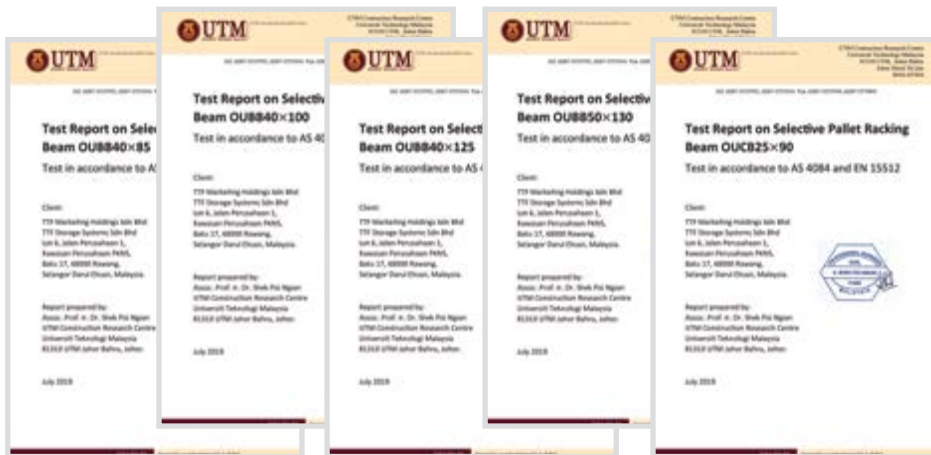
Product : Heavy Duty Shelving Rack  
Size : 1800H x 900D x 2446L (mm)  
Report No. : 2003MA0260  
Peak Force : 2899.3kg  
Deflection : 35.6mm





## UTM Test Report (product compression test)

- Compression Test Adoption to AS 4084 and EN 15512



Box Beam Test



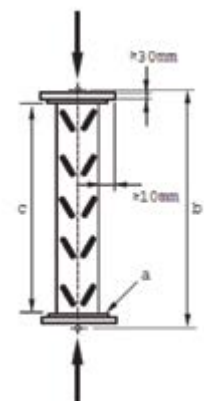
Box Beam OUBB 40 x 85



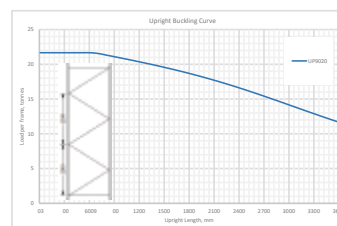
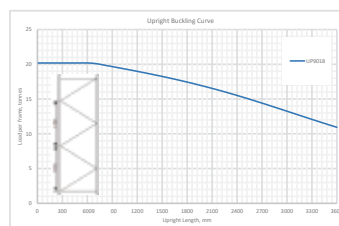
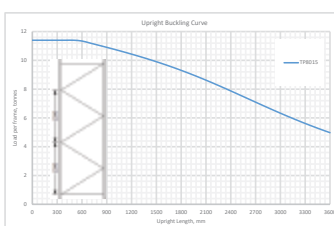
Box Beam OUBB 40 x 125



Box Beam OUBB 50 x 130



Upright Post Test



Test in accordance Australian Standard AS 4084 and European Standard EN 15512

At **TTF** we work closely with our customers and together work on our design standards to ensure maximum safety and effectiveness. Products from **TTF** complies with international design standards and requirement such as :

- Australian cold formed structures code (AS 1538-1998)
- Australian standard for steel storage racking (AS 4084-2012)
- RMI 1980 industrial steel storage racks.
- British standards 5950 PT5 1985 code of practice for the design of cold rolled section in steel.

Australian Standard®

**Steel Storage Racking  
AS 4084-2012**

Australian Standard®

**Steel Storage Racking  
Commentary Supplement  
to AS 4084-2012**



## Safety and Health

In **TTF** we promote safe working practices and as a supplier of products that has significant safety implications, we work closely with our customers to minimize accidents.

It's true to say that you will never see a rack installation looking like the Leaning Tower of Pisa. Racks are either vertical or they fall over, and racks falling over is something that everybody wants to avoid. As a manufacturer, **TTF** is always striving to promote safe working practices and ensure that we design, produce and install our products to the highest safety standards.

In addition, there is the Occupational Safety and Health Act 1994 (OSHA) that place personnel responsibility upon within the law an eliminate unsafe practices. Employers must provide a safe working environment, and employees must act in such a manner to ensure his or her safety and that of their workers.





**Before**



Know How + Know What + Know When + Know Where  
+ Know Who + Know Why =

 **TTF RACK**<sup>TM</sup>  
IDEAL FOR SPACE

**After**













## Overseas Exhibitions







# LIGHT DUTY RACKING SYSTEMS

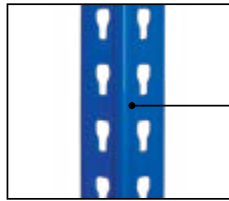
pg.18 - pg.45

## IDEAL FOR SPACE



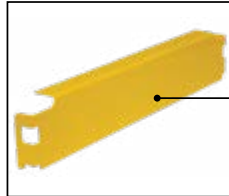
## Angle Post with Rib (AP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



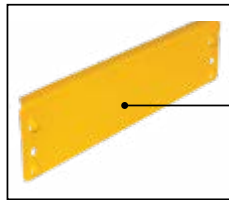
## Center Support (CLS)

To support center of decking material and against longitudinal deflection.



## Standard Beam (TRB)

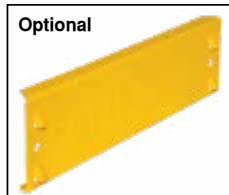
To provide ultimate strength and stability.



## Optional

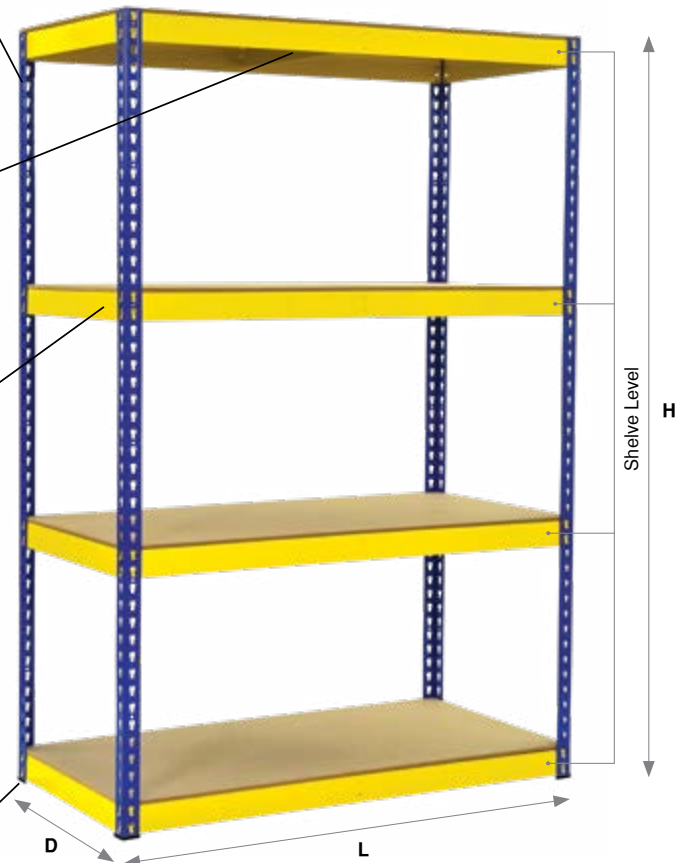
## Twin Rivet C Beam (TRC)

To provide ultimate strength and stability.



## AP Slim Stopper

Prevent floor scratching.



**Dimension:** Height x Depth x Length x Shelf Level x Decking Material

|                       |                                                   |    |    |    |    |                     |    |     |     |     |     |    |    |
|-----------------------|---------------------------------------------------|----|----|----|----|---------------------|----|-----|-----|-----|-----|----|----|
| Height (in.)          | 30                                                | 36 | 48 | 60 | 72 | 84                  | 96 | 108 | 120 | 132 | 144 |    |    |
| Depth (in.)           | 12                                                | 16 | 18 | 24 | 30 | 36                  | 42 | 48  |     |     |     |    |    |
| Length (in.)          | 12                                                | 16 | 18 | 24 | 30 | 36                  | 42 | 48  | 54  | 60  | 72  | 84 | 96 |
| Shelve Level          | 2                                                 | 3  | 4  | 5  | 6  | Customize available |    |     |     |     |     |    |    |
| Decking Material      | High Density Fiber Board                          |    |    |    |    |                     |    |     |     |     |     |    |    |
| Loading Capacity (kg) | 100 kg - 400 kg UDL / level                       |    |    |    |    |                     |    |     |     |     |     |    |    |
| Colour                | <div><div></div> Beam <div></div> Frame Set</div> |    |    |    |    |                     |    |     |     |     |     |    |    |

The **TTF Boltless Rack** minimizes setup time and offers a vast selection of heavy to light racking system requirements. Easy and fast to install and dismantle, **TTF Boltless Rack** can be applied to existing racking systems for increased cost savings in warehouse storage systems.



Scan the QR code for **Demo Video** in our facebook page.

[Click here](#)



Scan the QR code for **Installation Video** in our facebook page.

[Click here](#)

Sirim Test Report: 2003MA0257











## Related Products



Boltless Rack + Multi Tool Box



Boltless Workbench

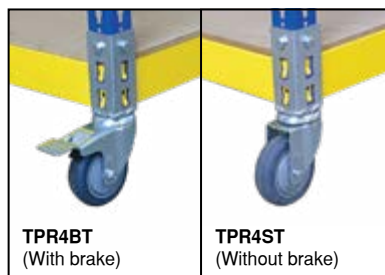


Boltless Hamper Rack



Trolley Boltless Rack

### AP Castor Wheel

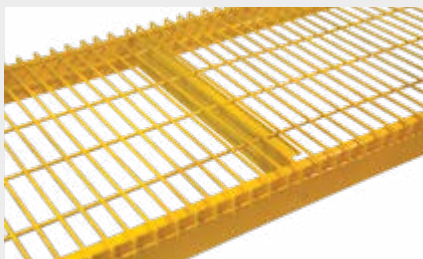


Pigeon Hole Boltless Rack

## Decking Material



Metal Shelf



Mesh Decking



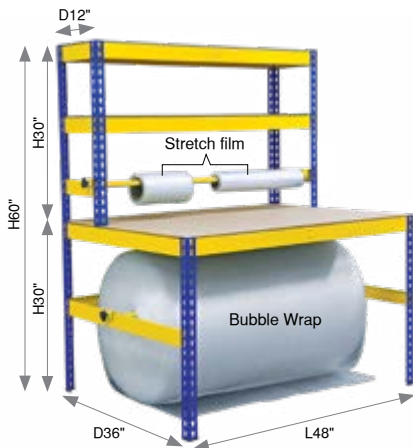
HDF Board / Plywood

We have different sizes and version of **Boltless Rack Packing Tables** suitable for all your needs. It is designed for warehouse, shipping / packing depts. **TTF Boltless Rack Packing Tables** are made from high-quality materials, and they are guaranteed to offer the user a long-lasting performance.



Scan the QR code  
for Installation Video  
in our facebook page.

[Click here](#)



**Type A**

|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| <b>Code</b>        | BRPT(3030)3648-A                                                                                 |
| <b>Description</b> | H30" / 60" x (D12" x L48" x 2 Levels) + (D36" x L48" x 1 Level) x 8mm HDF C/W round pipe & APSS. |



**Type B**

|                    |                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------|
| <b>Code</b>        | BRPT(1236)3048-B                                                                              |
| <b>Description</b> | H12" / 36" / 48" x [(D12" x L48") + (D30" x L48") x 1 Level] x 8mm HDF C/W round pipe & APSS. |



**Type C**

|                    |                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------|
| <b>Code</b>        | BRPT(1236)3648-C                                                                             |
| <b>Description</b> | H12" / 36" / 48" x (D12" x L48") + (D36" x L48") x 1 Level] x 8mm HDF C/W round pipe & APSS. |



**Type D**

|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| <b>Code</b>        | BRPT(3636)3648-D                                                                                 |
| <b>Description</b> | H36" / 72" x (D12" x L48" x 2 Levels) + (D36" x L48" x 1 Level) x 8mm HDF C/W round pipe & APSS. |



**Type E**

|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| <b>Code</b>        | BRPT(3636)3648-E                                                                                 |
| <b>Description</b> | H36" / 72" x (D12" x L48" x 1 Level) + (D36" x L48" x 2 Levels) x 8mm HDF C/W round pipe & APSS. |



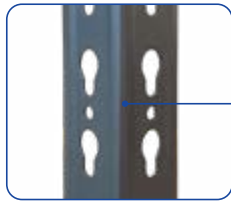
**Type F**

|                    |                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------|
| <b>Code</b>        | BRPT(3636)3648-F                                                                        |
| <b>Description</b> | H36" / 72" x [(D12" x L48") + (D36" x L48") x 1 Level] x 8mm HDF C/W round pipe & APSS. |



## Angle Post with Rib (EP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



## Center Support (ELS)

To support center of decking material and against longitudinal deflection.



## Beam (EHB)

To provide ultimate strength and stability.



## AP Slim Stopper (APSS)

Protect floor from damaged.



Offer a various choice of sizes. Our **E-Boltless Rack** have decking materials made of HDF board offering various shelving application. It come with imperial (in.) measurement.

## Dimension:

Height x Depth x Length x Shelf Levels x Decking Material

|                       |                             |    |    |    |    |
|-----------------------|-----------------------------|----|----|----|----|
| Height (in.)          | 36                          | 48 | 60 | 72 | 84 |
| Depth (in.)           | 12                          | 16 | 18 | 24 |    |
| Length (in.)          | 36                          | 48 | 60 |    |    |
| Shelf Level           | 3                           | 4  | 5  |    |    |
| Decking Material      | High Density Fiber Board    |    |    |    |    |
| Loading Capacity (kg) | 250 kg - 300 kg UDL / level |    |    |    |    |
| Colour                | Matte Black                 |    |    |    |    |



# E-Boltless Rack Packing Table



**Type A**

| Code        | EBRPT (1236)3648-A                                                                         |
|-------------|--------------------------------------------------------------------------------------------|
| Description | H12" / 36" / 48" (D12" x L48") + (D36" x L48") x 1 Level) x 8mm HDF C/W round pipe & APSS. |

**Type B**

| Code        | EBRPT (3636)3648-B                                                     |
|-------------|------------------------------------------------------------------------|
| Description | H36" / 72" x (D12" x L48" x 2 Levels) x 8mm HDF C/W round pipe & APSS. |

**Type C**

| Code        | EBRPT (3648)3648-C                                                                                     |
|-------------|--------------------------------------------------------------------------------------------------------|
| Description | H36" / 48" / 84" x (D12" x L48" x 2 Levels) + (D36" x L48" x 1 Level) x 8mm HDF C/W round pipe & APSS. |



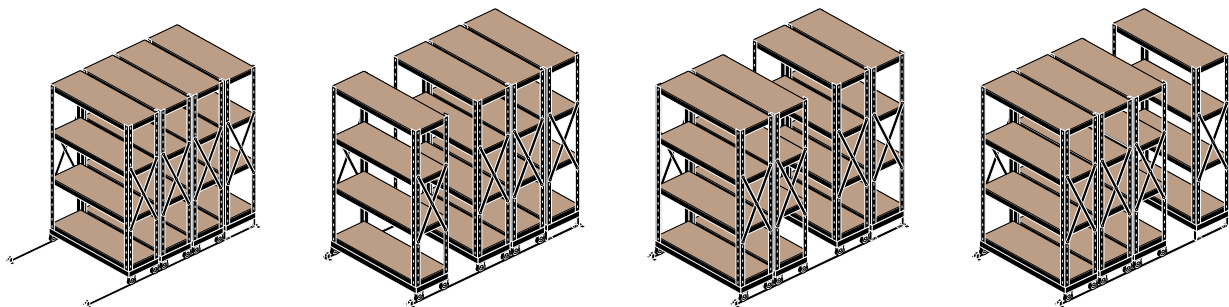
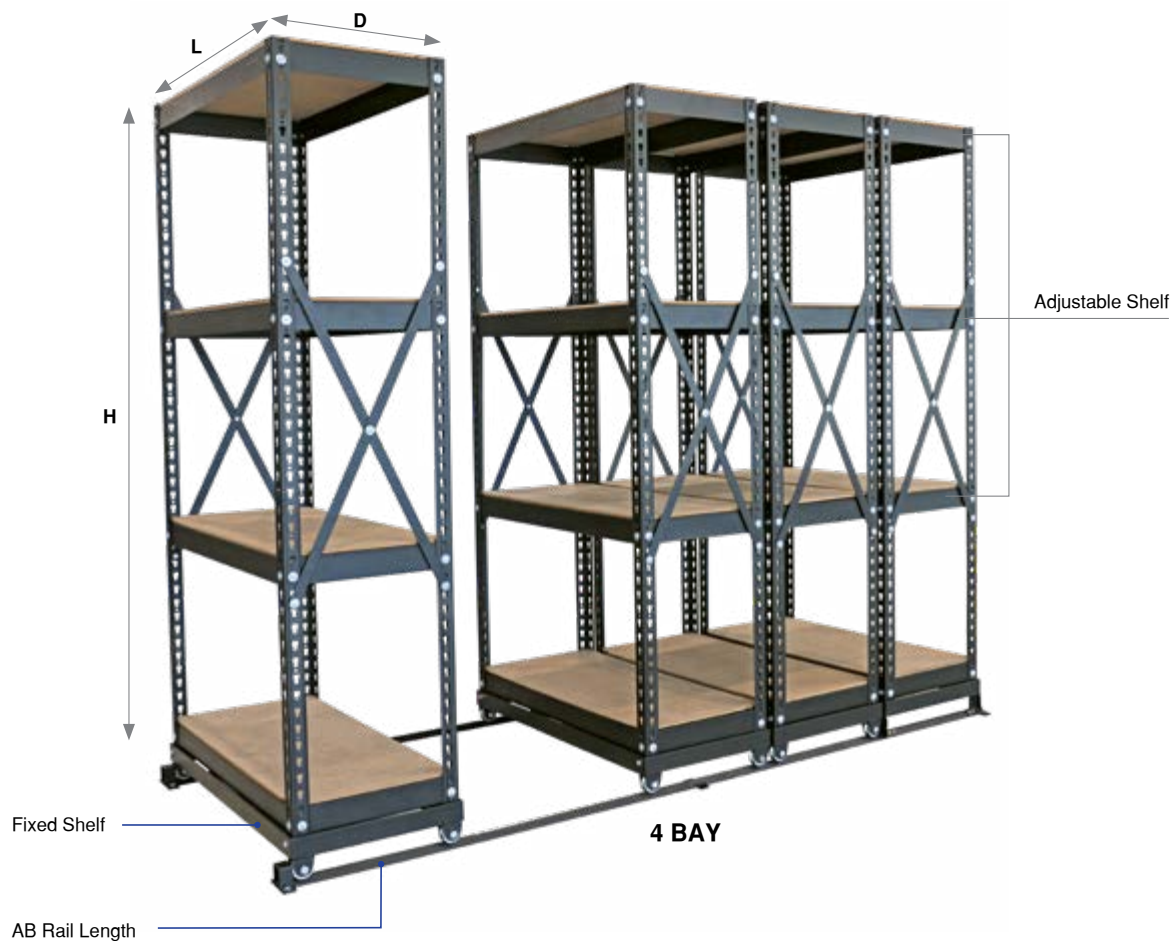
**Type D**

| Code        | EBRPT (3636)3648-D                                                                               |
|-------------|--------------------------------------------------------------------------------------------------|
| Description | H36" / 72" x (D12" x L48" x 1 Level) + (D36" x L48" x 2 Levels) x 8mm HDF C/W round pipe & APSS. |

**Type E**

| Code        | EBRPT (3636)3648-E                                                                      |
|-------------|-----------------------------------------------------------------------------------------|
| Description | H36" / 72" x [(D12" x L48") + (D36" x L48") x 1 Level] x 8mm HDF C/W round pipe & APSS. |





## Mobile Boltless Rack

- This systems maximize existing storage space.
- Eliminating aisles and compact several boltless rack into a much smaller amount of space.
- The systems provide highest possible density for storing files and other documentary.
- Every single bay come with 3 pieces adjustable shelve.



Scan the QR code  
for Demo Video in  
our facebook page.

[Click here](#)

## Dimension:

Height x Depth x Bay x Length x Shelf Levels x Decking Material

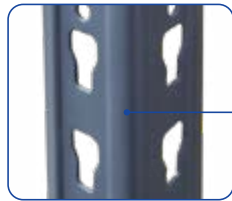
|                            |    |                            |     |     |
|----------------------------|----|----------------------------|-----|-----|
| Height (in.)               | 72 | 84                         | 96  |     |
| Depth (in.)                | 16 | 18                         | 24  |     |
| AB Rail Total Length (in.) |    |                            |     |     |
| Bay                        | 4  | 98                         | 106 | 131 |
|                            | 5  | 116                        | 126 | 156 |
|                            | 6  | 133                        | 146 | 182 |
| Length (in.)               |    | 36                         |     |     |
| Shelf Level                |    | 3 (adjustable) + 1 (fixed) |     |     |
| Decking Material           |    | High Density Fiber Board   |     |     |
| Loading Capacity (kg)      |    | Max. 300 kg/bay            |     |     |
| Colour                     |    | <div></div> Matte Black    |     |     |





## Angle Post (RAP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



## Center Support (RLS)

To support center of decking material and against longitudinal deflection.



## Beam (RHB)

With total of 6 "Bending Rib" design to provide ultimate strength and stability. Premium gray colour matte paint provide scratch resistant.



## Double Eagle Claw Hook

Double Eagle Claw Hook with enhance of strength and further improvement from existing Boltless Rack "Eagle Hook".



## AP Slim Stopper (APSS)

Protect floor from damaged.



**Rakku Boltless Rack (ラック)** our new design of rack are further development from our existing Boltless Rack concept, come with various choice of sizes. TTF **Rakku Boltless Rack (ラック)** is designed for shop and retail usage. They have decking materials made of HDF board. It come with (mm) measurement.

TTF **Rakku Boltless Rack (ラック)** is semi-customizable due to various size available, you can find a configuration that fits the specific layout of your shop. Whether it's small TTF **Rakku Boltless Rack** unit or large, TTF **Rakku Boltless Rack** will definitely help with increased vertical space usage, you can eventually achieve S.T.E.M philosophy.

**Dimension:** Height x Depth x Length x Shelve Levels x Decking Material

|                       |                             |      |      |      |      |
|-----------------------|-----------------------------|------|------|------|------|
| Height (mm)           | 1828                        | 2130 | 2435 | 3040 |      |
| Depth (mm)            | 300                         | 400  | 450  | 600  |      |
| Length (mm)           | 900                         | 1200 | 1500 | 1800 | 2400 |
| Shelve Level          | 2                           | 3    | 4    | 5    | 6    |
| Decking Material      | High Density Fiber Board    |      |      |      |      |
| Loading Capacity (kg) | 100 kg - 400 kg UDL / level |      |      |      |      |
| Colour                | Matte Dark Grey             |      |      |      |      |



# Boltless Rack C/W Top Flooring



**TTF** innovative **Boltless Rack** system is applied in our c/w top flooring racking system. Lightning quick installation means increased storage capacity and maximizing space. This system creates another level of storage and saves additional warehouse costs. Highly stable, the **Boltless Rack c/w Top Flooring** is the ultimate solution to more room and more savings. **TTF Boltless Rack** systems are highly-adaptive to a multitude of applications. From mezzanine floors to aquarium display racks for exhibitions, our **Boltless Rack c/w Top Flooring** system is the ultimate chameleon to suit customer needs.



Scan the QR code  
for Product Video in  
our facebook page.

[Click here](#)







## Boltless Rack C/W Top Flooring



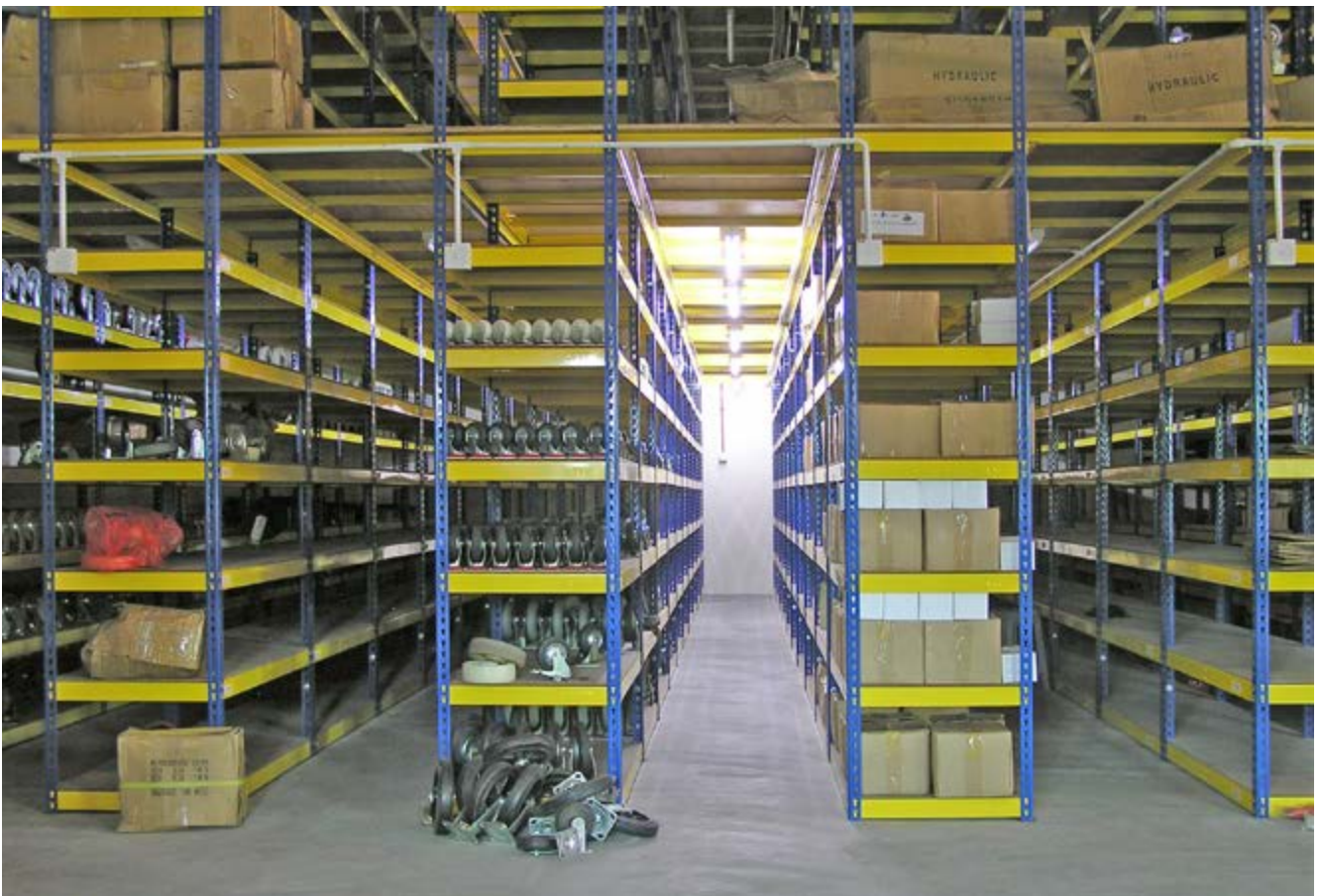


## Multi-tier Storage Racking System



**TTF** innovative **Multi-tier Storage Racking System** is a 2-in-1 solution in today's world where space is a premium. Perfect for commercial or industrial locations, the design optimizes vertical space and offers instant access to stock handling. The system is a rack supported structure with versatile multi-tier application.

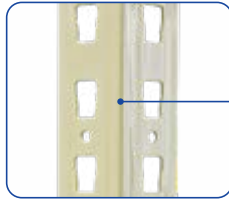






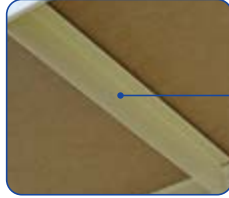
## Angle Post (KP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



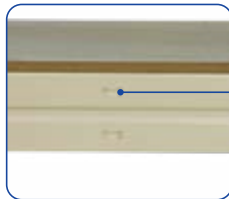
## Center Support (KLS)

To support center of decking material and against longitudinal deflection.



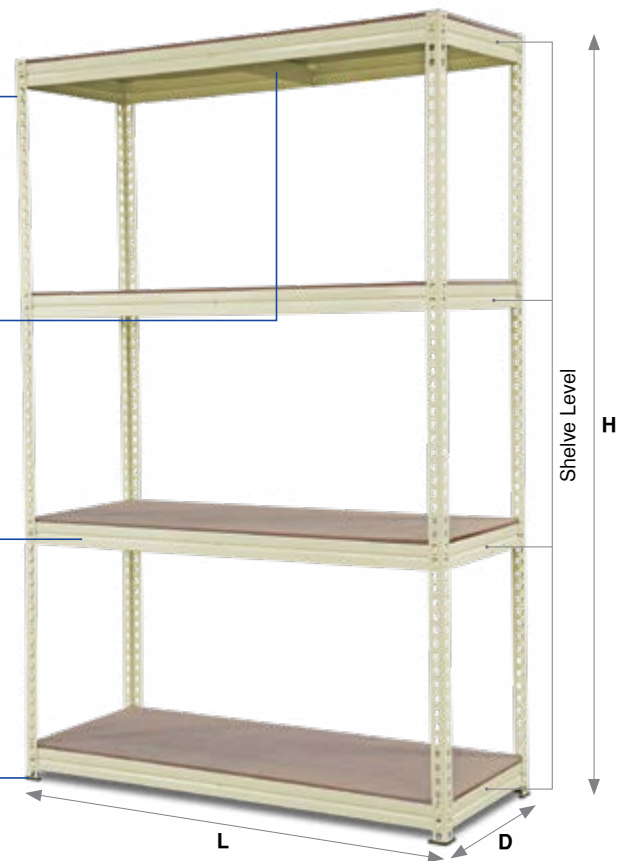
## Beam (KHB)

To provide ultimate strength and stability.



## AP Slim Stopper (APSS)

Prevent floor from scratching.



The **TTF Kaizen Rack** offers simple shelving applications for optimum cost efficient. Our **Kaizen Rack** have decking materials made of HDF board offering various shelving application.

**Dimension:** Height x Depth x Length x Shelve Levels x Decking Material

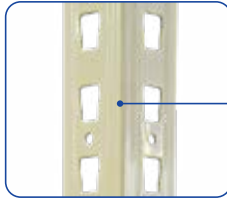
|                       |                              |      |      |                       |      |
|-----------------------|------------------------------|------|------|-----------------------|------|
| Height (mm)           | 1800                         | 2100 | 2400 |                       |      |
| Depth (mm)            | 300                          | 450  | 600  |                       |      |
| Length (mm)           | 300                          | 450  | 600  | 900                   | 1200 |
| Shelve Level          | 4                            | 5    | 6    | (Customize available) |      |
| Decking Material      | High Density Fiber Board     |      |      |                       |      |
| Loading Capacity (kg) | Max load. 150 kg UDL / level |      |      |                       |      |
| Colour                | Beige                        |      |      |                       |      |



# Kaizen Metal Rack

## Angle Post (KP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



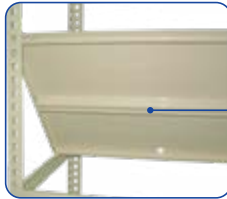
## Center Support (KLS)

To support center of decking material and against longitudinal deflection.



## Metal Shelve Plate (MSP)

An another option of decking material.



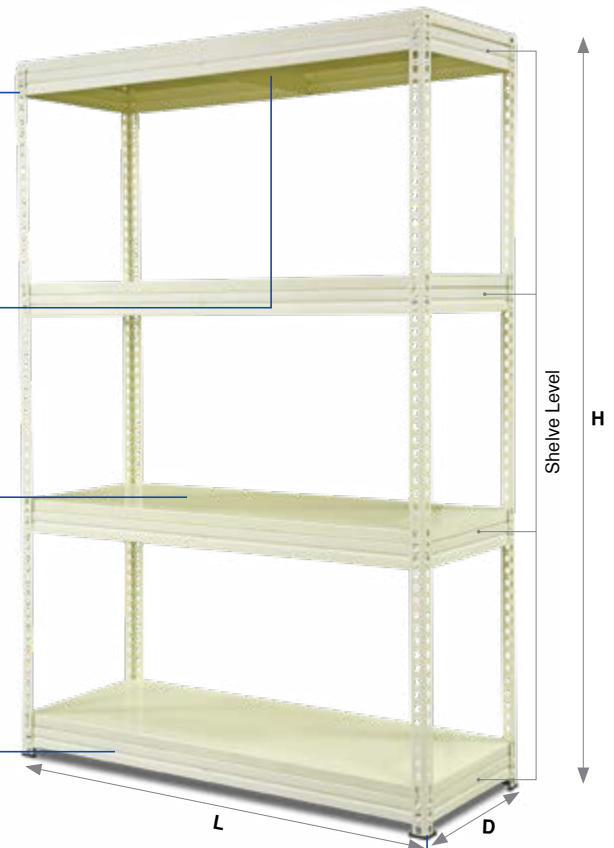
## Beam (KHB)

To provide ultimate strength and stability.



## AP Slim Stopper (APSS)

Prevent floor from scratching.



With a loading capacity of 150kg uniformly distributive load (UDL), **TTF Kaizen Metal Rack** was designed as a light duty shelving system. Each shelf is finish with anti-rust epoxy powder coating.

**Dimension:** Height x Depth x Length x Shelf Levels x Decking Material

|                       |                              |      |      |                       |  |
|-----------------------|------------------------------|------|------|-----------------------|--|
| Height (mm)           | 1800                         | 2100 | 2400 |                       |  |
| Depth (mm)            | 450                          | 600  |      |                       |  |
| Length (mm)           | 900                          | 1200 |      |                       |  |
| Shelf Level           | 4                            | 5    | 6    | (Customize available) |  |
| Decking Material      | Metal Shelf Plate            |      |      |                       |  |
| Loading Capacity (kg) | Max load. 150 kg UDL / level |      |      |                       |  |
| Colour                | <div></div> Beige            |      |      |                       |  |





## Angle Post

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.

## Center Support

To support center of decking material and against longitudinal deflection.

## DP Joint

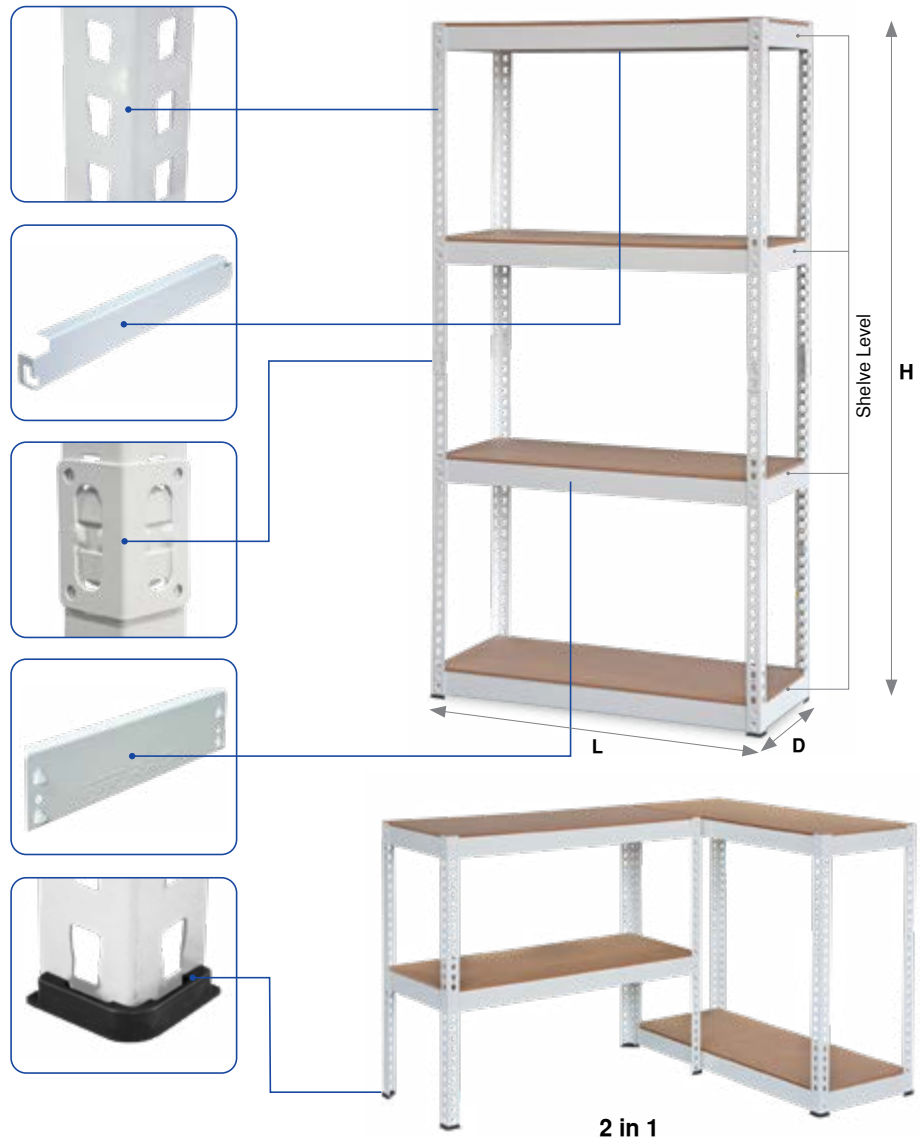
Joint the Angle Post to become individual rack.

## Beam

To provide ultimate strength and stability.

## Bottom Stopper

Protect floor from damaged.



2 in 1

**Dimension:** Height x Depth x Length x Shelf Levels x Decking Material

| Model                          | Dimension (mm)<br>Height x Depth x Length | Shelf<br>Level | Decking Material            | Loading Capacity  | Colour                 |
|--------------------------------|-------------------------------------------|----------------|-----------------------------|-------------------|------------------------|
| <b>FB51236LG</b>               | 1710 x 300 x 900                          | 4              | High Density<br>Fiber Board | 80 kg UDL/ level  | Light Grey             |
| <b>FB51436</b>                 | 1710 x 350 x 900                          |                |                             |                   | White Black Red L.Grey |
| <b>FB51448LG</b>               | 1710 x 350 x 1200                         |                |                             |                   | Light Grey Black       |
| <b>FB51430 (Standard Rack)</b> | 1530 x 350 x 750                          |                |                             |                   | Beam Angle Post        |
| <b>FB571224BK</b>              | 1450 x 300 x 600                          |                |                             | 100 kg UDL/ level | Black                  |

Remarks : FB51236LG and FB51448LG limited to light grey colour only.

The **TTF D.I.Y. Colour Rack** and TTF Standard Rack design is available in fiber board shelves. It is quick and easy installation with a TTF Boltless Rack concept system makes it easy for home and office usage. The **TTF D.I.Y. Colour Rack** and TTF Standard Rack is supplied in one (1) carton box for convenient and transportation.



All come in one (1) carton box



TTF Standard Rack  
(FB51430)





## Angle Post Upper Stopper

Sharp edges and pointed corners are protected.



## Angle Post

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



## Joint Bracket

Joint part of angle post to become individual rack.



## Metal Shelf

Metal type decking, alternative for place with high humidity.



## Beam

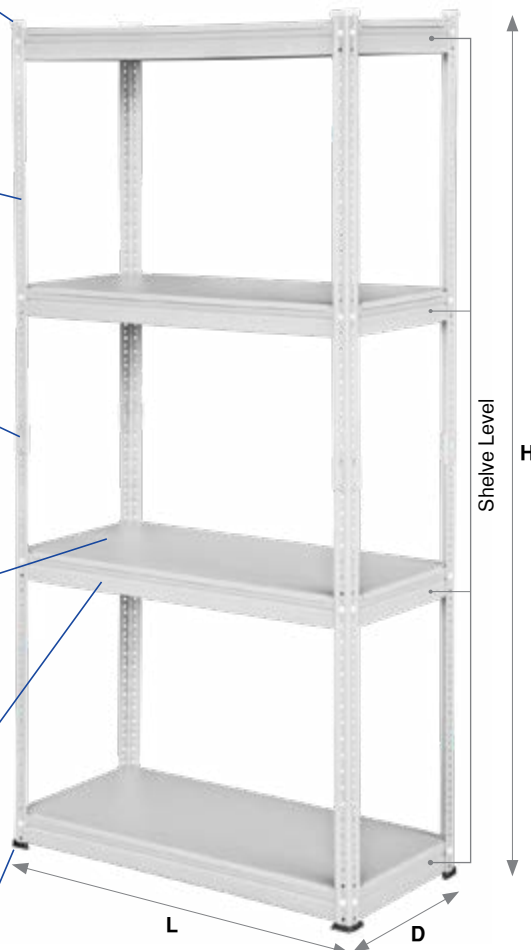
To provide ultimate strength and stability.



## Safety Pin and Bottom Stopper

Safety Pin: Used for attaching beam to provide extra security for locking beam purpose.

Bottom Stopper: Protect floor from damaged.



With a loading capacity of 80kg uniformly distributive load (UDL), TTF **InStyle Rack** was designed as a light duty shelving system. Each shelf is finish with anti-rust epoxy powder coating.

### Dimension:

Height x Depth x Length x Shelve Levels x Decking Material

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model            | <b>ISR 661432</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Dimension (mm)   | 1680 (H) x 350 (D) x 800 (L)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Shelve Level     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Decking Material | Metal Shelve Plate                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Loading Capacity | 80 kg UDL / Level                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Colour           | <div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: black; margin-right: 5px;"></div> Black           <div style="width: 15px; height: 15px; background-color: white; margin: 0 10px; border: 1px solid black;"></div> White           <div style="width: 15px; height: 15px; background-color: darkgrey; margin-left: 10px; border: 1px solid black;"></div> Dark Grey         </div> |



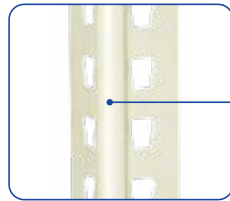
[illegible]

38



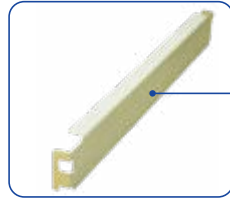
## Angle Post (SP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



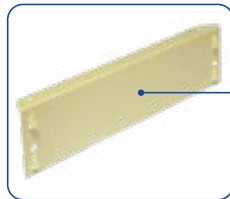
## Center Support (SLS)

To support center of decking material and against longitudinal deflection.



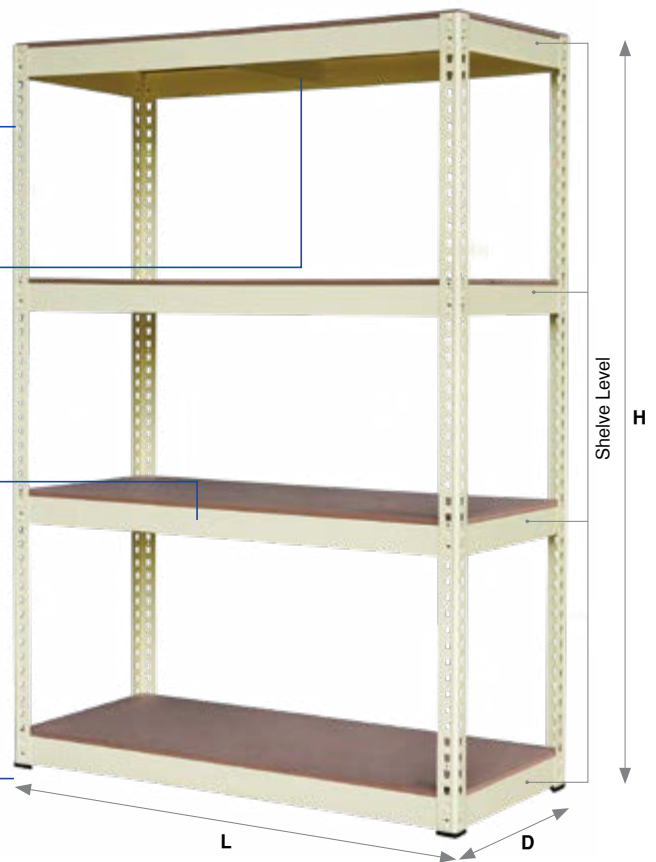
## Beam (SHB)

To provide ultimate strength and stability.



## AP Slim Stopper (APSS)

Protect floor from damaged.



The **TTF Simple Rack / Vital Rack** offers simple shelving applications for optimum cost efficient. Our **Simple Rack / Vital Rack** have decking materials made of HDF board offering various shelving application.

## Dimension:

Height x Depth x Length x Shelf Levels x Decking Material

|                       |                          |      |      |                       |      |      |
|-----------------------|--------------------------|------|------|-----------------------|------|------|
| Height (mm)           | 910                      | 1210 | 1510 | 1810                  | 2110 | 2410 |
| Depth (mm)            | 300                      | 450  | 600  |                       |      |      |
| Length (mm)           | 300                      | 450  | 600  | 900                   | 1200 |      |
| Shelf Level           | 4                        | 5    | 6    | (Available customize) |      |      |
| Decking Material      | High Density Fiber Board |      |      |                       |      |      |
| Loading Capacity (kg) | 200 kg UDL / level       |      |      |                       |      |      |
| Colour                | Beige                    |      |      |                       |      |      |



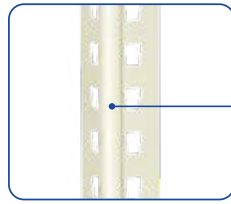
Simple / Vital Rack with Metal Shelving Plate (MSP)





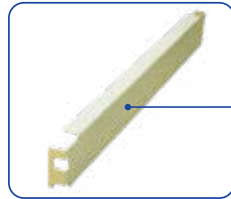
## Angle Post (SP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



## Center Support (SLS)

To support center of decking material and against longitudinal deflection.

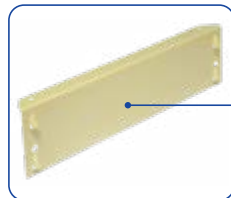


## Metal Shelf (MSP)



## Beam (SHB)

To provide ultimate strength and stability.



## AP Slim Stopper (APSS)

Protect floor from damaged.



With a loading capacity of 200kg uniformly distributive load (UDL), **TTF Simple Metal Rack** was designed as a light duty shelving system. Each shelf is finish with anti-rust epoxy powder coating.

Dimension: Height x Depth x Length x Shelf Levels x Decking Material

|                       |                             |      |      |                       |      |      |
|-----------------------|-----------------------------|------|------|-----------------------|------|------|
| Height (mm)           | 910                         | 1210 | 1510 | 1810                  | 2110 | 2410 |
| Depth (mm)            | 450                         | 600  |      |                       |      |      |
| Length (mm)           | 900                         | 1200 |      |                       |      |      |
| Shelve Level          | 4                           | 5    | 6    | (Customize available) |      |      |
| Decking Material      | Metal Shelf Plate           |      |      |                       |      |      |
| Loading Capacity (kg) | 150 kg - 200 kg UDL / level |      |      |                       |      |      |
| Colour                | Beige                       |      |      |                       |      |      |

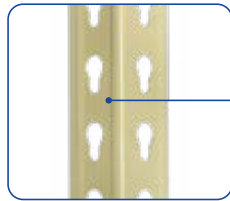






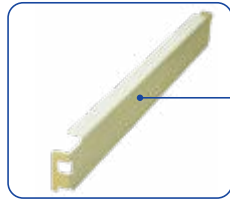
## Angle Post (EP)

Reinforced with "Curvy Rib" to increase loading capacity and rigidity.



## Center Support (ELS)

To support center of decking material and against longitudinal deflection.



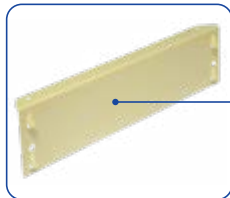
## EP Joint Bracket (EPJ)

Joint the Angle Post to extend racking height.



## Beam (EHB)

To provide ultimate strength and stability.



## AP Slim Stopper (APSS)

Protect floor from damaged.



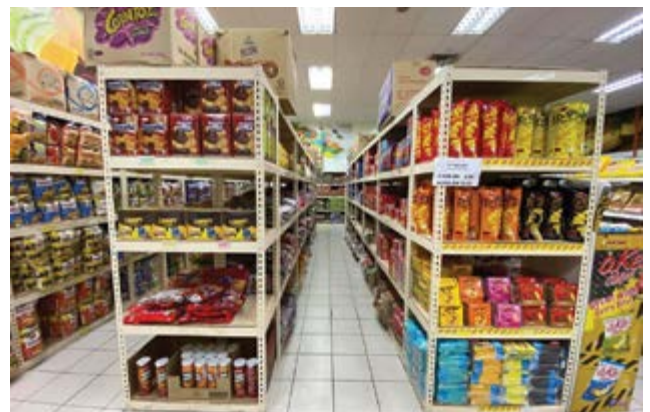
**Dimension:** Height x Depth x Length x Shelf Level x Decking Material

|                       |                             |    |    |                       |    |    |    |    |    |    |
|-----------------------|-----------------------------|----|----|-----------------------|----|----|----|----|----|----|
| Height (in.)          | 60                          | 72 | 84 | 96                    |    |    |    |    |    |    |
| Depth (in.)           | 12                          | 16 | 18 | 24                    | 30 |    |    |    |    |    |
| Length (in.)          | 12                          | 16 | 18 | 24                    | 30 | 36 | 48 | 60 | 72 | 96 |
| Shelve Level          | 4                           | 5  | 6  | (Customize available) |    |    |    |    |    |    |
| Decking Material      | High Density Fiber Board    |    |    |                       |    |    |    |    |    |    |
| Loading Capacity (kg) | 200 kg UDL / level          |    |    |                       |    |    |    |    |    |    |
| Colour                | <div><div></div>Beige</div> |    |    |                       |    |    |    |    |    |    |

The **TTF Econ Rack** offers a various choice of sizes. Our **Econ Rack** have decking materials made of HDF Board offering various shelving application. It comes with imperial (In.) measurement.



Econ Rack with Metal Shelving Plate (MSP)

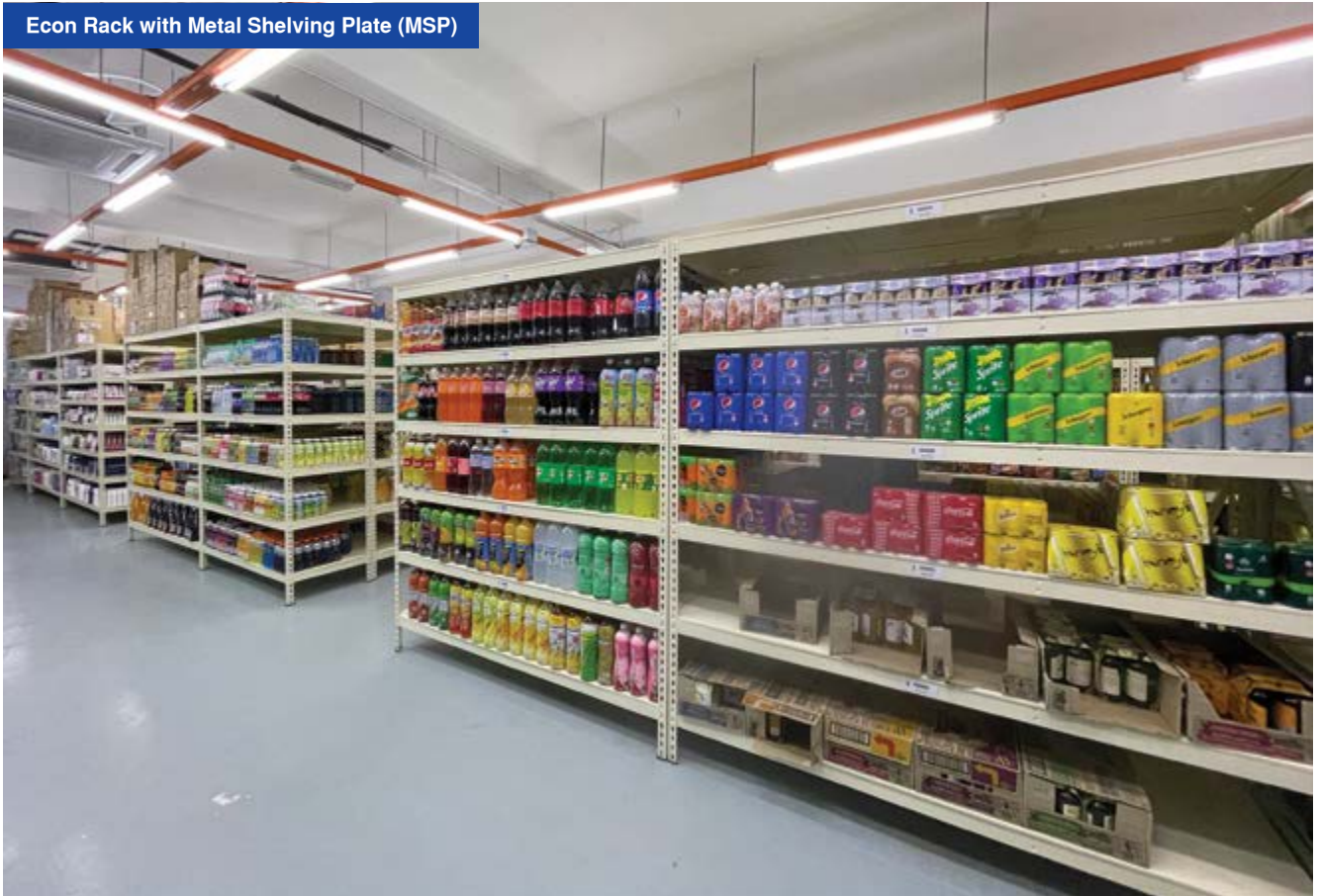


Econ Rack with Metal Shelving Plate (MSP)





Econ Rack with Metal Shelving Plate (MSP)





# MEDIUM DUTY RACKING SYSTEMS

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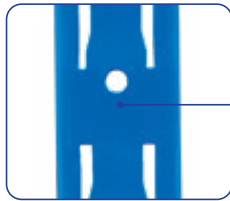
## IDEAL FOR SPACE





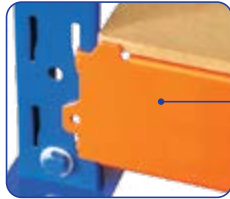
## Post (IP)

Vertical component of rack which horizontal and diagonal brace are tighten with bolt and nut and beams are attached.



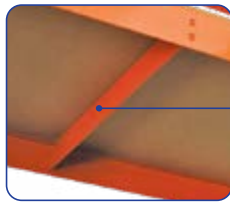
## C-Beam (IHC)

To provide ultimate strength and stability.



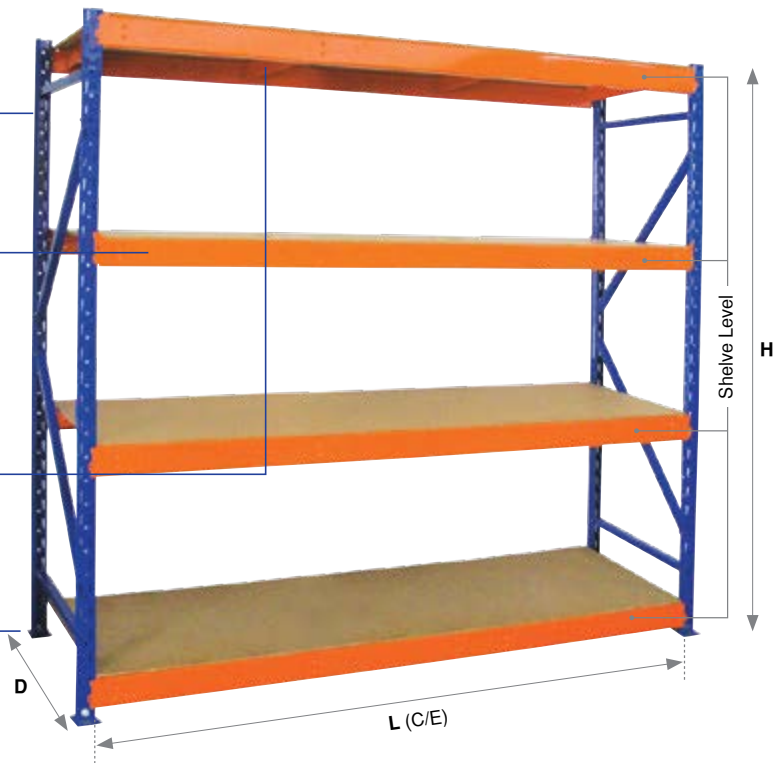
## Center Support (ILS)

To support center of decking material and against longitudinal deflection.



## Base Plate (IBP)

Standard base plate for racking post.



**Dimension:** Height x Depth x Length x Shelve Level x Decking Material

|                       |                                                                                          |      |      |      |      |                       |      |      |      |                                                                                                 |      |      |      |      |      |      |      |
|-----------------------|------------------------------------------------------------------------------------------|------|------|------|------|-----------------------|------|------|------|-------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|
| Height (mm)           | 1200                                                                                     | 1500 | 1800 | 2100 | 2400 | 2700                  | 3000 | 3300 | 3600 | 3900                                                                                            | 4200 | 4500 | 4800 | 5100 | 5400 | 5700 | 6000 |
| Depth (mm)            | 450                                                                                      | 600  | 750  | 900  | 1200 |                       |      |      |      |                                                                                                 |      |      |      |      |      |      |      |
| Length (mm)           | 1200                                                                                     | 1500 | 1800 | 2100 | 2400 |                       |      |      |      |                                                                                                 |      |      |      |      |      |      |      |
| Shelve Level          | 2                                                                                        | 3    | 4    | 5    | 6    | (Available customize) |      |      |      |                                                                                                 |      |      |      |      |      |      |      |
| Decking Material      | 12 mm thickness HDF Board / Plywood / Metal Shelving Plate                               |      |      |      |      |                       |      |      |      |                                                                                                 |      |      |      |      |      |      |      |
| Loading Capacity (kg) | 500 kg UDL / level                                                                       |      |      |      |      |                       |      |      |      |                                                                                                 |      |      |      |      |      |      |      |
| Colour                |  Beam |      |      |      |      |                       |      |      |      |  Frame Set |      |      |      |      |      |      |      |

**TTF Ideal Longspan Shelving** is design for fast access and maximizing minimal storage capacity, the system is a versatile solution to a vast majority of businesses. From medium-sized to large loads and items, **TTF Ideal Longspan Shelving System** is purpose-built according to client requirements. Long lasting epoxy finish increases

lifespan of durable rack system. With a UDL capacity of between 500 kg ~ 1000 kg, **TTF Ideal Longspan Shelving System** has option for an endless list of storage needs. The system is extremely reliable and offers a save, and sturdy storage environment.



Scan the QR code  
for Installation Video  
in our facebook page.

[Click here](#)

**Ideal Longspan Shelving Mezzanine Floor**



**Sliding Gate**



**Decking Material: Orange Ideal Metal Shelving (OIMS)**





Ideal Longspan Shelving Mezzanine Floor





# HEAVY DUTY RACKING SYSTEMS

Page 51- 93

## IDEAL FOR SPACE



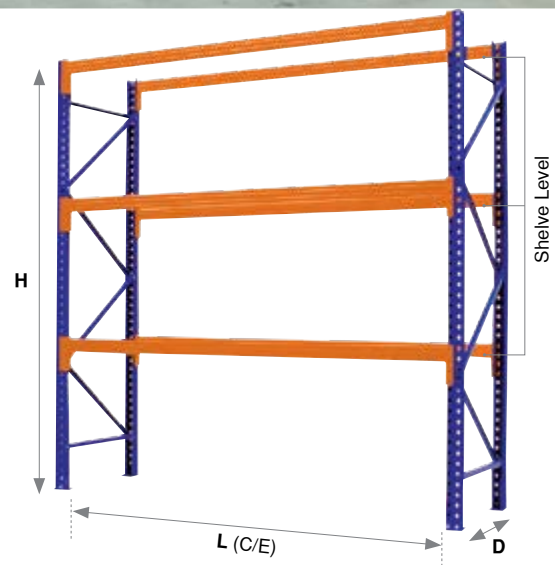




**TTF Selective Pallet Racking System** is constantly in demand by all warehousing facilities requiring palletized storage and handling. The system allows instantaneous access to store articles without incurring load crushing.

The **TTF Selective Pallet Racking System** offers an excellent stock rotation function and only uses 40% of warehouse floor space. With a maximum uniformly distributive load (UDL), the **TTF Selective Pallet Racking System** is able to withstand loads from 1000kg ~ 3000kg. Effective, economical and flexible, **TTF Selective Pallet Racking System** is the solution to increase warehouse productivity.

The **TTF Selective Pallet Racking System** can be setup in single and double-sided runs to suit all forklift and hand pallet trucks. Depending on aisle width and maximum load height, **TTF Selective Pallet Racking System** offers a low start-up solution. The **TTF Selective Pallet Racking System** is packed with features for maximum versatility. With features like drum stoppers and frame guards, the system meets strict safety requirements of today's modern warehouse.



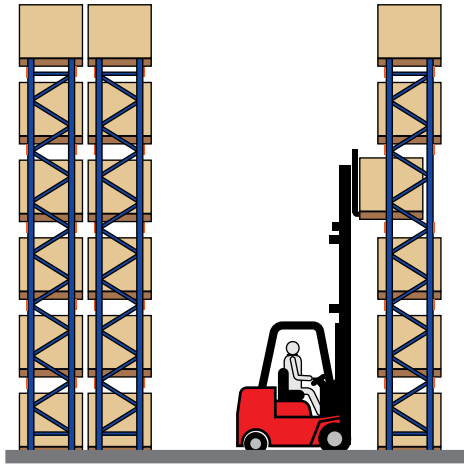
Scan the QR code  
for Product Video  
in our facebook page.

[Click here](#)

**Dimension:** Height x Depth x Length x Shelve Level x Bay (W/O Plywood)

|                       |                                                                                                                                                                                         |      |      |      |      |                       |      |                                                                                               |      |      |      |      |      |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|-----------------------|------|-----------------------------------------------------------------------------------------------|------|------|------|------|------|
| Height (mm)           | 900                                                                                                                                                                                     | 1200 | 1500 | 1800 | 2100 | 2400                  | 2700 | 3000                                                                                          | 3300 | 3600 | 3900 | 4200 | 4500 |
|                       | 4800                                                                                                                                                                                    | 5100 | 5400 | 5700 | 6000 | 6300                  | 6600 | 6900                                                                                          | 7200 | 7500 |      |      |      |
| Depth (mm)            | 450                                                                                                                                                                                     | 600  | 750  | 900  | 1000 | 1200                  | 1500 |                                                                                               |      |      |      |      |      |
| Length (mm) C/E       | 900                                                                                                                                                                                     | 1200 | 1350 | 1500 | 1800 | 2100                  | 2400 | 2700                                                                                          | 3000 | 3300 | 3600 |      |      |
| Shelve Level          | 2                                                                                                                                                                                       | 3    | 4    | 5    | 6    | (Available customize) |      |                                                                                               |      |      |      |      |      |
| Decking Material      | Bay (Without Plywood)                                                                                                                                                                   |      |      |      |      |                       |      |                                                                                               |      |      |      |      |      |
| Loading Capacity (kg) | 1000 kg - 3000 kg UDL / level                                                                                                                                                           |      |      |      |      |                       |      |                                                                                               |      |      |      |      |      |
| Colour                | Beam   (optional) |      |      |      |      |                       |      |  Frame Set |      |      |      |      |      |

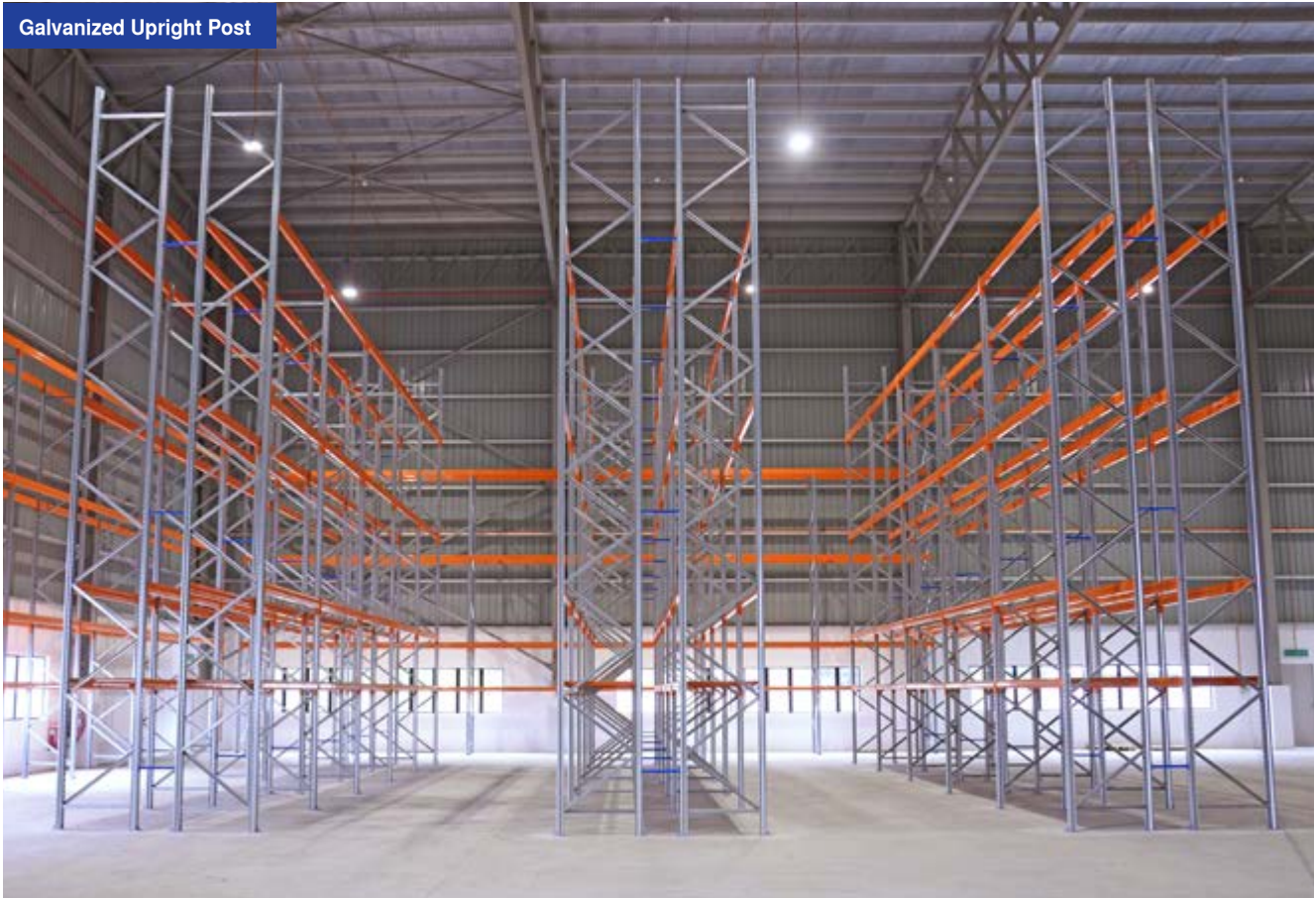






# Selective Pallet Racking System

Galvanized Upright Post



Galvanized Upright Post



Mesh Decking





Matte Dark Gray Upright Post

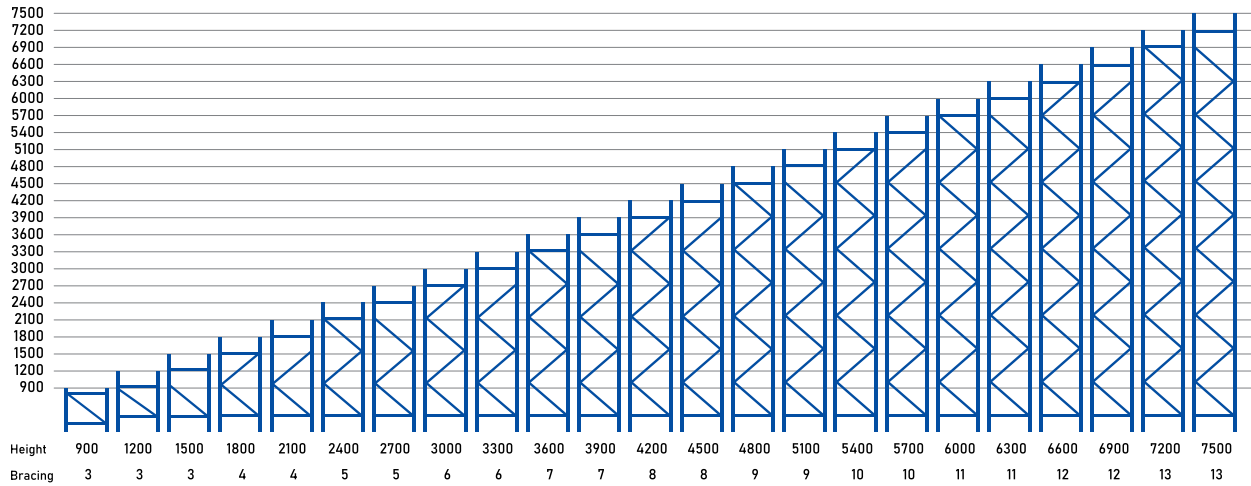




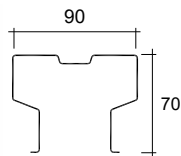
## Selective Pallet Racking System



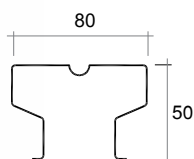
## Heavy Duty Frame Set Height (mm)



## Upright Post

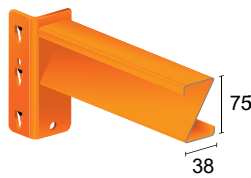


**UP 90x70**

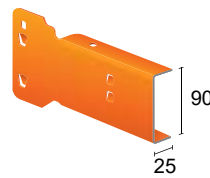


**TP 80x50**

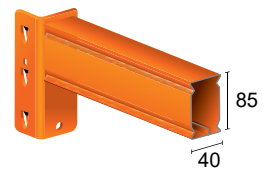
## Box Beam Profile



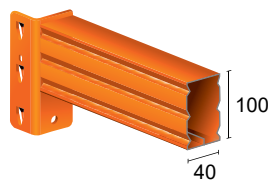
**OUZB 38x75**



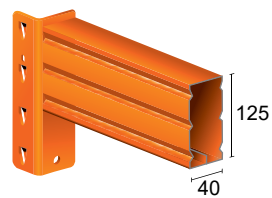
**OUCB 25x90**



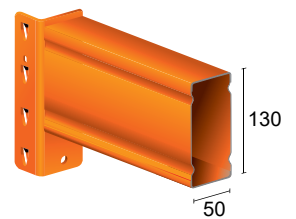
**OUBB 40x85**



**OUBB 40x100**

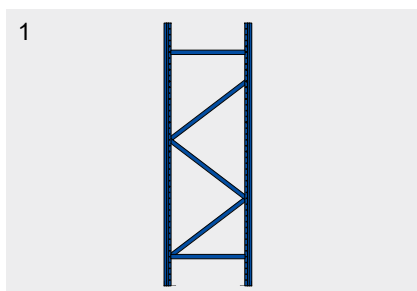
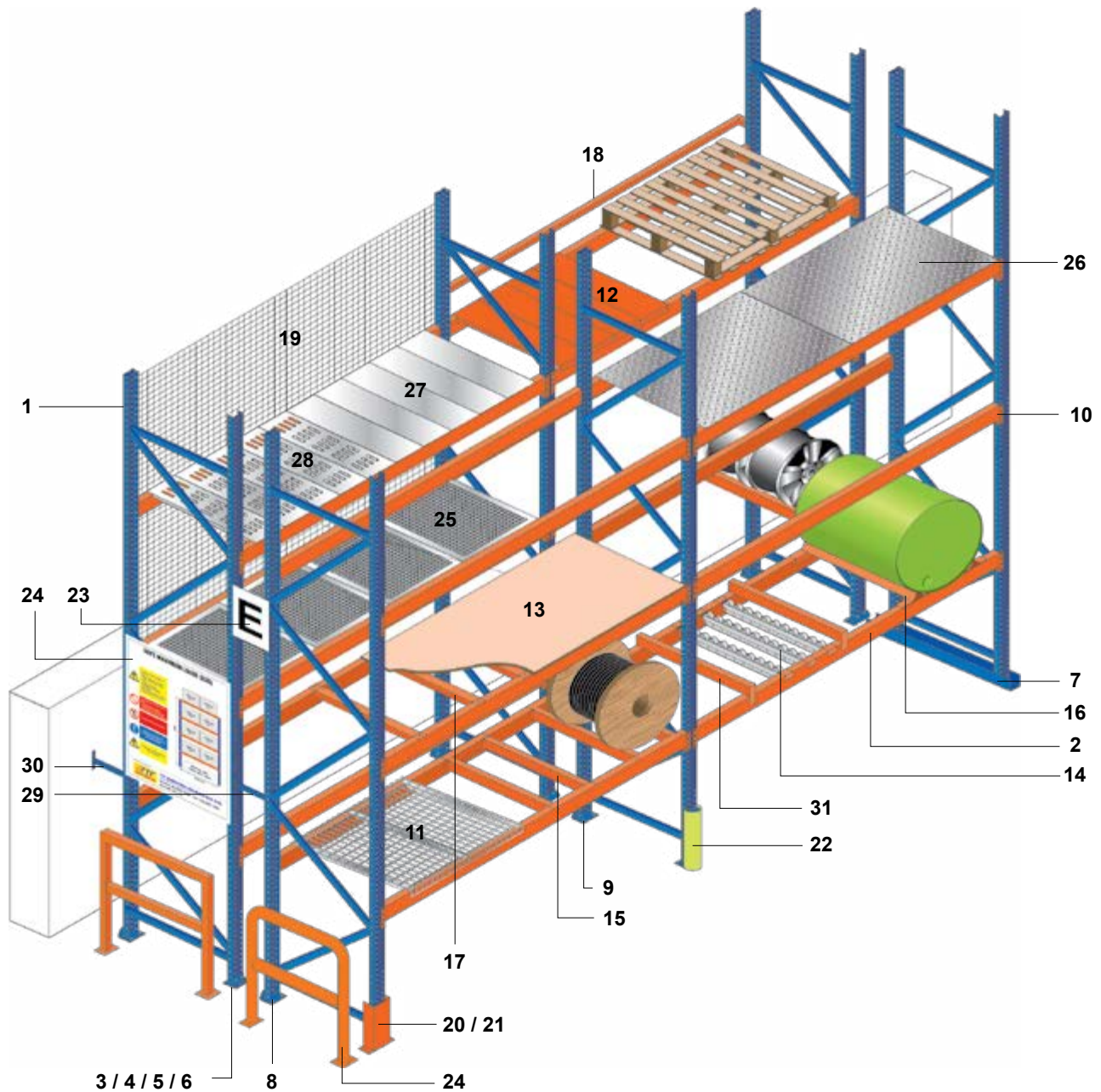


**OUBB 40x125**

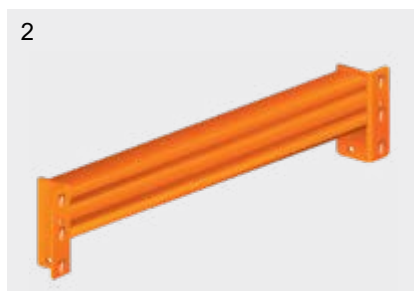


**OUBB 50x130**





UP Frame Set



Box Beam



UBP Base Plate

4



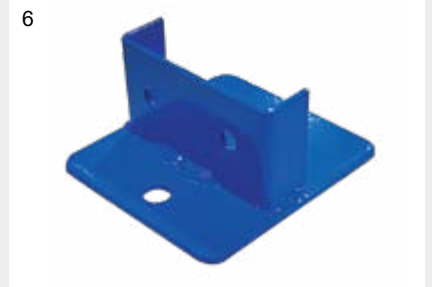
TBP Base Plate

5



HBP Base Plate

6



CBP Base Plate

7



C-Channel Base Plate

8



Levelling Plate

9



PJ Anchor

10



Safety Pin

11



Mesh Decking

12



Heavy Duty Metal Shelf

13



HDF Board / Plywood / Cement Board

14



Placon Roller

15



Sport Rim Stopper

16



Drum Stopper

17



Heavy Duty Center Support

18

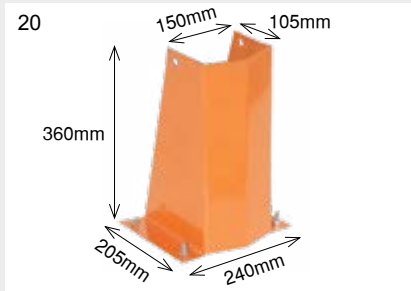


Pallet Stopper

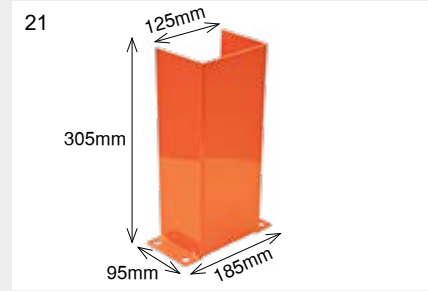




Mesh Fencing



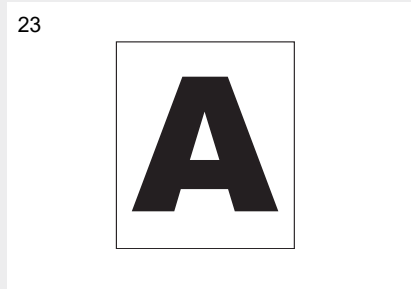
O Frame Guard (Type A)



O Frame Guard (Type B)



Rack Armour



Row Sign



Safe Load Notice



Steel Grating



Chequer Plate



Metal Floor Plain



Perforated Metal Floor Plain



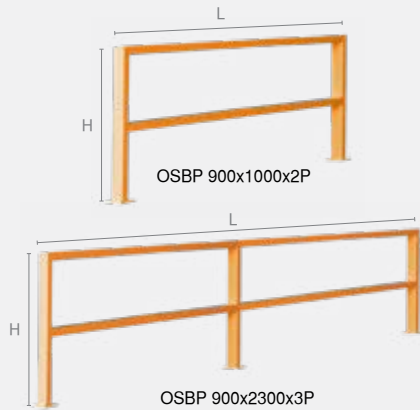
Frame Joint



Wall Joint

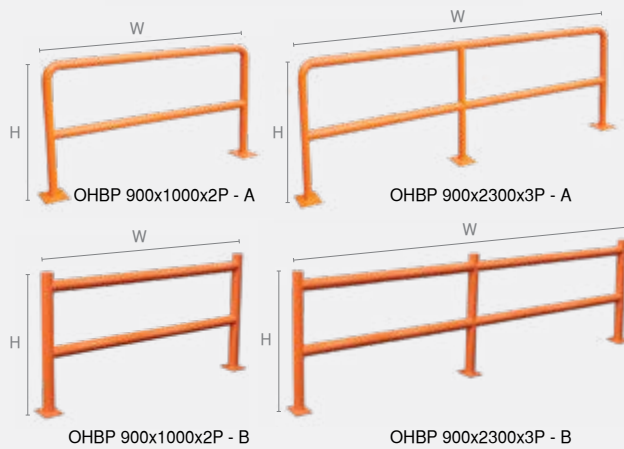


Heavy Duty Divider



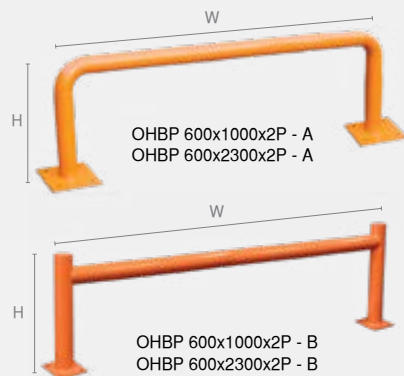
## Standard Barrier Protector

| Product code         | OSBP 900x1000x2P | OSBP 900x2300x3P |
|----------------------|------------------|------------------|
| Dimension H x L (mm) | 900 x 1000       | 900 x 2300       |
| SHS size (mm)        | 50 x 50          |                  |
| No. of Pole          | 2                | 3                |



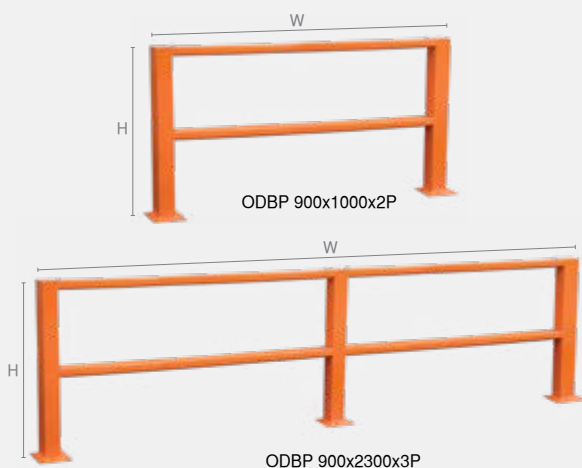
## Heavy Duty Barrier Protector

| Product code         | OHBP 900x1000x2P |   | OHBP 900x2300x3P |   |
|----------------------|------------------|---|------------------|---|
| Type                 | A                | B | A                | B |
| Dimension H x L (mm) | 900 x 1000       |   | 900 x 2300       |   |
| Pipe Diameter (mm)   | Ø75              |   |                  |   |
| No. of Pole          | 2                |   | 3                |   |



## Barrier Protector

| Product code         | OHBP 600x1000x2P |   | OHBP 600x2300x2P |   |
|----------------------|------------------|---|------------------|---|
| Type                 | A                | B | A                | B |
| Dimension H x L (mm) | 600 x 1000       |   | 600 x 2300       |   |
| Pipe Diameter (mm)   | Ø75              |   |                  |   |
| No. of Pole          | 2                |   |                  |   |



## Detachable Barrier Protector

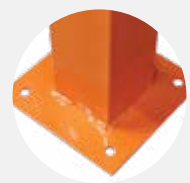
| Product code         | ODBP 900x1000x2P | ODBP 900x2300x3P |
|----------------------|------------------|------------------|
| Dimension H x L (mm) | 900 x 1000       | 900 x 2300       |
| SHS size (mm)        | 100 x 100        |                  |
| No. of Pole          | 2                | 3                |



**Post OP 100100900**  
Size: 100 x 100 x 900



**Lip Channel OLC 40100**  
Size: 40 x 100 x 800 / 1000







Specifically constructed and designed for tough loads between 1000kg ~ 3000kg UDL, heavy capacity warehouses can now look towards our range of **Heavy Duty Shelving System**. Our own innovation, the box beam increase loading capacity of the **Heavy Duty Shelving System**, the versatility of the box beam bracket enables easy installation and dismantling according to customer application.



Scan the QR code  
for Product Video  
in our facebook page.

[Click here](#)



**Dimension:** Height x Depth x Length x Shelf Level x Decking Material

|                       |                                                       |      |      |      |      |                       |      |                                             |      |      |      |      |      |
|-----------------------|-------------------------------------------------------|------|------|------|------|-----------------------|------|---------------------------------------------|------|------|------|------|------|
| Height (mm)           | 900                                                   | 1200 | 1500 | 1800 | 2100 | 2400                  | 2700 | 3000                                        | 3300 | 3600 | 3900 | 4200 | 4500 |
|                       | 4800                                                  | 5100 | 5400 | 5700 | 6000 | 6300                  | 6600 | 6900                                        | 7200 | 7500 |      |      |      |
| Depth (mm)            | 450                                                   | 600  | 750  | 900  | 1000 | 1200                  | 1500 |                                             |      |      |      |      |      |
| Length (mm) C/E       | 900                                                   | 1200 | 1350 | 1500 | 1800 | 2100                  | 2400 | 2700                                        | 3000 | 3300 | 3600 |      |      |
| Shelve Level          | 2                                                     | 3    | 4    | 5    | 6    | (available customize) |      |                                             |      |      |      |      |      |
| Decking Material      | 12mm High Density Fiber Board / Pywood / Metal Shelve |      |      |      |      |                       |      |                                             |      |      |      |      |      |
| Loading Capacity (kg) | 1000 kg - 3000 kg UDL / level                         |      |      |      |      |                       |      |                                             |      |      |      |      |      |
| Colour                | Beam <div><div></div><div></div><div></div></div>     |      |      |      |      |                       |      | Frame Set <div><div></div><div></div></div> |      |      |      |      |      |









**TTF Twin-bay Racking System** was conceptualized as a cost saving system. With the application of our unique bracing system, the **Twin-bay Racking System** offers double the storage capacity and warehouse storage efficiency. The **Twin-bay Racking System** is made to withstand loads between 1000 kg ~ 3000 kg UDL.



Scan the QR code  
for Product Video  
in our facebook page.

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Multi-tier Twin-bay C/W Top Flooring





## Twin-bay Racking System









# Narrow Aisle Racking System

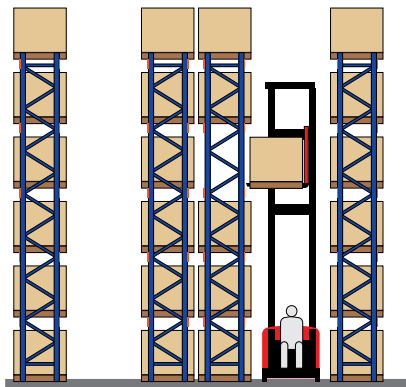


**TTF Narrow Aisle Racking System** provides high density storage while still allow individual access to all pallets. It's serve by special designed handling equipment: combination order pickers and turret truck or stacker cranes. It's needed to manoeuvre in the narrow aisle between the racks and aisle are marginally wider than the special truck, thus it guided along the aisle and do not turn to retrieve or deposit a pallet. The mast or fork head rotates to left or right as required. These system come into their own where only a limited floor space but store a large volume of stock and pallet.



**Combination Order Picker & Turret Truck**







Due to high-emphasis on safety required throughout racking systems, **TTF** have developed the **Double Deep Racking System**. **TTF Double Deep Racking System** was designed to store 2 pallets deep or 4 pallets deep in a double entry rack to suit most warehousing conditions. With a floor utilization capacity of 60%, this system offers optional storage accessories for awkward and non-standard loads. It gives 50% immediate accessibility and an average stock rotation performance.

Scan the QR code for **Product Video** in our facebook page.



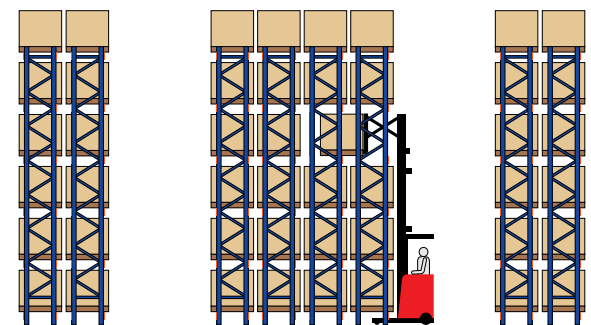
English ver.  
[Click here](#)



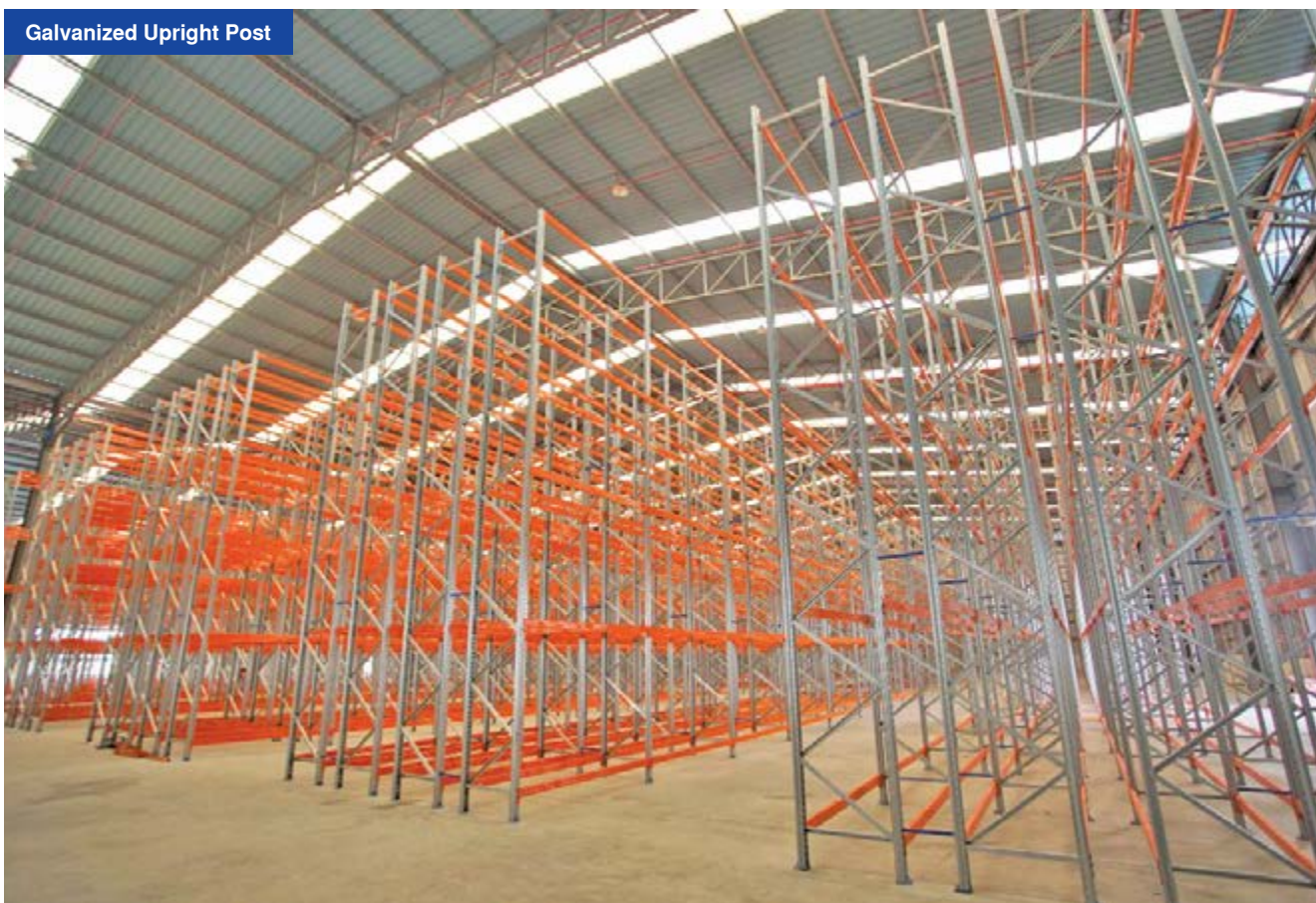
Chinese ver.  
[Click here](#)





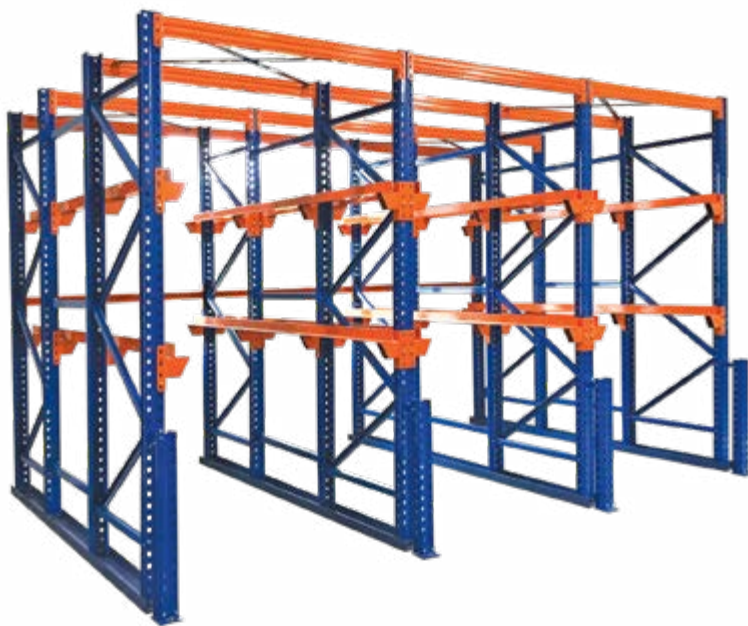


Galvanized Upright Post



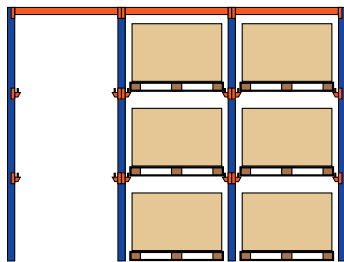


# Drive-in Racking System

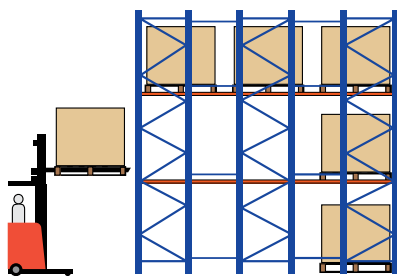


**TTF Drive-in Racking System** allows long term storage of same size goods. The design allows forklift trucks to be driven right into the centre of the block between any uprights on the front face for pallet retrieval. This is made possible because the design does not need cross beams that will block entry. The pallets are supported on the front to back edges by continuous rails cantilevered from the upright at each pallet level. Stock rotation is poor with a floor utilization capacity of 65%. Again, **TTF** versatility in fabricating rack systems according to customer required specifications make the **Drive-in Racking System** a formidable business solution. All safety aspects and product load specifications are formulated by 3D CAD software to suit customer's need.





FRONT VIEW



SIDE VIEW



#### Drive-in Racking C/W Top Flooring







**TTF** innovative **Heavy Duty Shelving C/W Mezzanine Floor** is a 2-in-1 solution in today's world where space is a premium. Perfect for commercial or industrial locations, the design optimizes vertical space and offers instant access to stock handling. The system is a rack supported structure with versatile multi-tier application. The mezzanine floor system gives industry leaders an option to add an additional floor for staff upgrade and storage needs.







Multi-tier C/W Top Flooring



Mesh Fencing



Perforated Metal Floor Plain

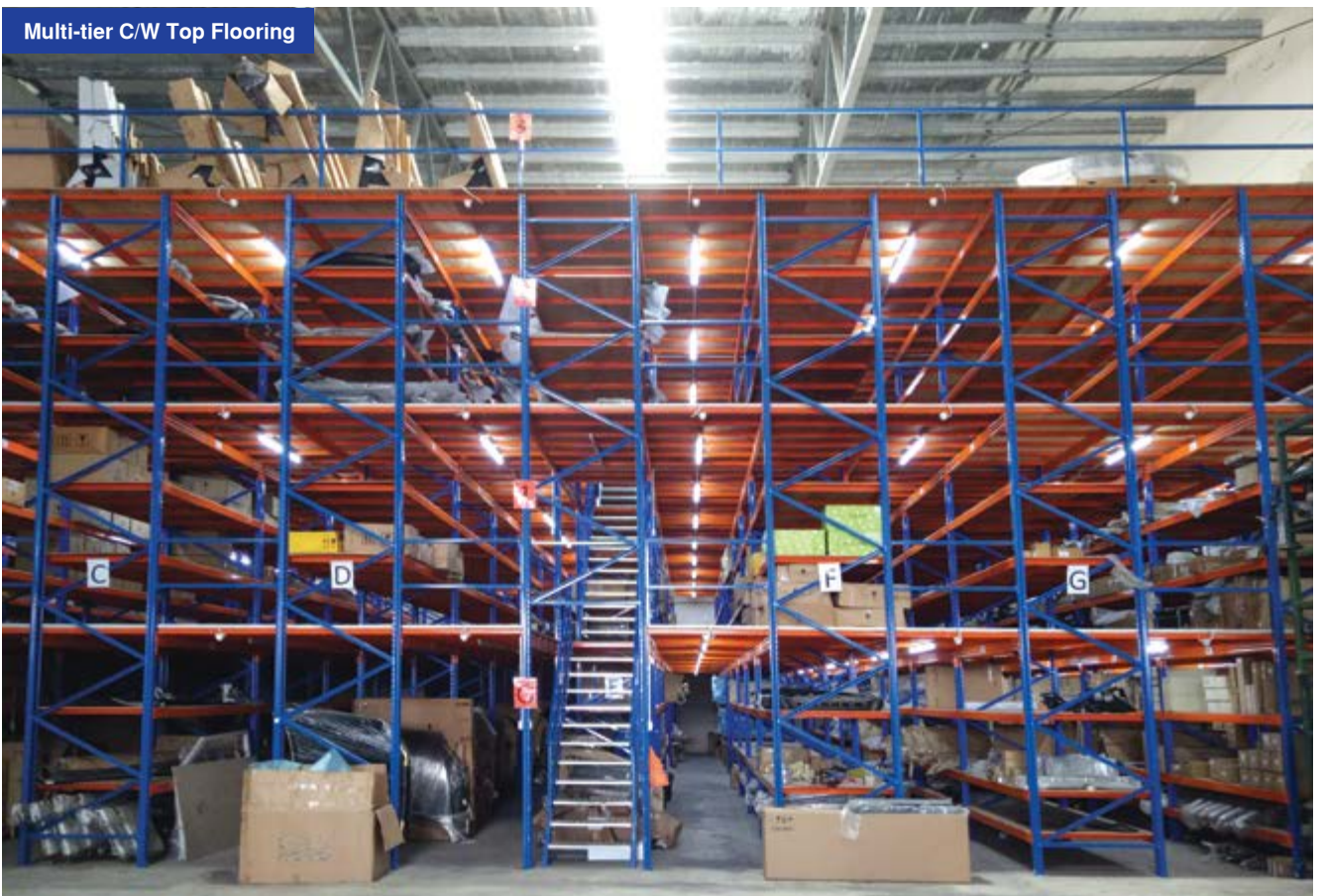




Multi-tier C/W Top Flooring



Multi-tier C/W Top Flooring





## Heavy Duty Shelving C/W Mezzanine Floor

Steel Grating



Metal Floor Plain



Plywood / HDF Board



Cement Board



Perforated Metal Floor Plain



Steel Grating



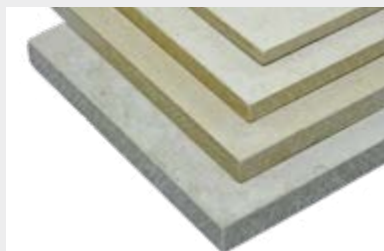




## Decking Material



HDF Board / Plywood



Cement Board



Metal Floor Plain



Perforated Metal Floor Plain

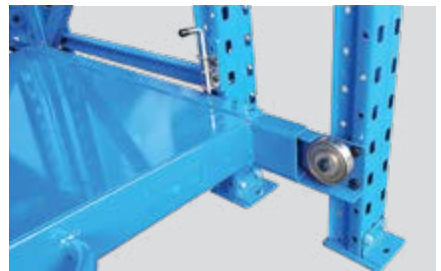


Steel Grating



Chequered Plate





**TTF Mould Tool Rack** are perfect for storing heavy goods such as modules, motor and tools. The mould tool racks have one-way pullout shelf along with sheet base panel for making the warehousing much simpler. Each rack loading capacity 800kg UDL / level.



Scan the QR code  
for **Product Video** in  
our facebook page.

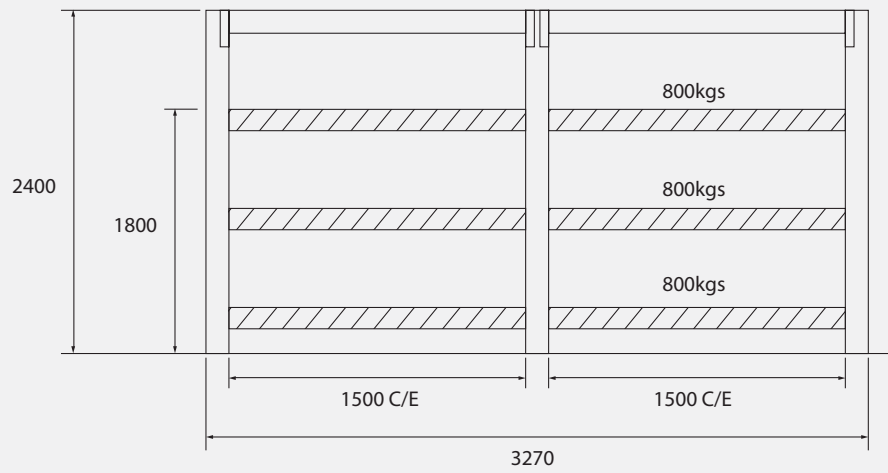
[Click here](#)

**Dimension:** Height x Depth x Length x Shelf Levels

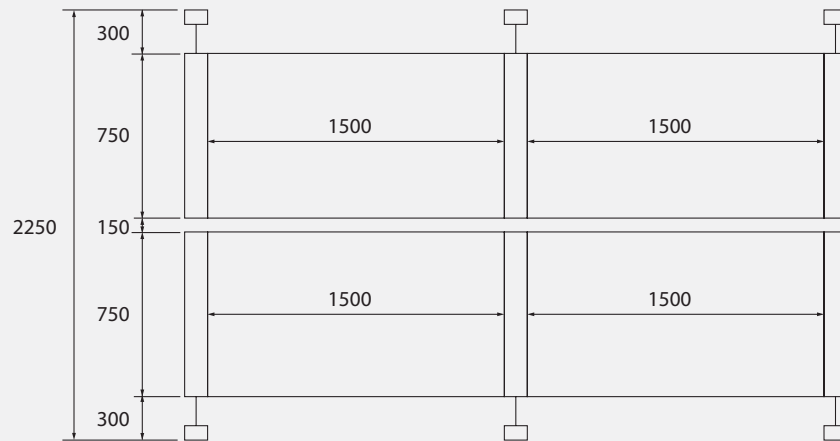
|                        |                                                                                                                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height (mm)            | 800 / 2400                                                                                                                                                                                                                                                            |
| Depth (mm)             | 750 + 300 x 2 unit back to back                                                                                                                                                                                                                                       |
| Length (mm) C/E        | 1500                                                                                                                                                                                                                                                                  |
| Movable Shelf (mm)     | 770 x 1490 (3 Movable)                                                                                                                                                                                                                                                |
| Shelf Level            | 4                                                                                                                                                                                                                                                                     |
| Rack Outer Depth (mm)  | 2250                                                                                                                                                                                                                                                                  |
| Rack Outer Length (mm) | 3270                                                                                                                                                                                                                                                                  |
| Loading Capacity (kg)  | 800 kg UDL / level                                                                                                                                                                                                                                                    |
| Colour                 | <div style="display: inline-block; width: 15px; height: 15px; background-color: blue; margin-right: 5px;"></div> Frame Set <div style="display: inline-block; width: 15px; height: 15px; background-color: orange; margin-left: 10px; margin-right: 5px;"></div> Beam |

**Size available in customized.**

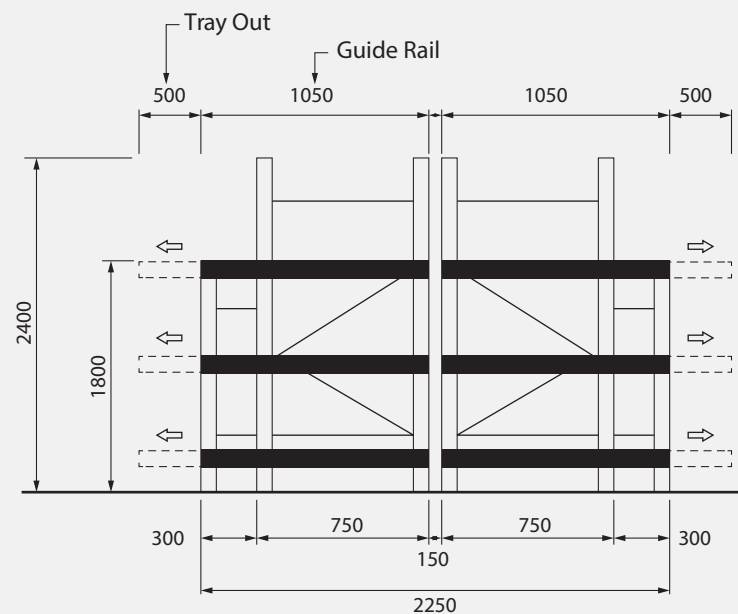
FRONT VIEW



TOP VIEW



SIDE VIEW







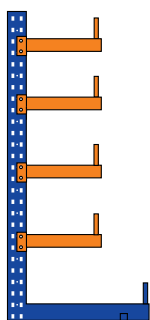
**Dimension:** Height x Width x Arm Length x Level

|                       |                                                                                             |      |      |                                                                                         |      |      |      |
|-----------------------|---------------------------------------------------------------------------------------------|------|------|-----------------------------------------------------------------------------------------|------|------|------|
| Height (mm)           | 1800                                                                                        | 2100 | 2400 | 2700                                                                                    | 3000 | 3300 | 3600 |
| Depth (mm)            | 700                                                                                         | 800  | 950  | 1000                                                                                    | 1100 | 1200 |      |
| Length (mm)           | 600                                                                                         | 750  | 900  | 1200                                                                                    |      |      |      |
| Loading Capacity (kg) | 100 kg - 500 kg UDL / level                                                                 |      |      |                                                                                         |      |      |      |
| Colour                |  Bracing |      |      |  Arm |      |      |      |

Remarks: medium duty specifications

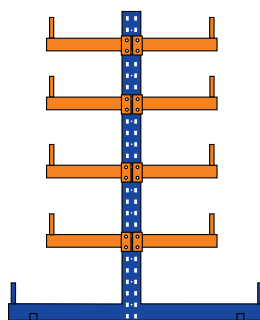
This system allows storage of long-length stock and is perfect for outdoor or indoor of goods facilities and work sites. **TTF Cantilever** accommodates the need for quick and easy height and width positioning of goods. A flexible solution for both double-sided and wall access applications, the system is an economical solution for storing long bars, wood, tubes, pipes and etc. Permanent stopper on storage arms ensure easy loading and safe goods storage. The cantilever arms can be placed at suitable levels for maximum utilization of vertical space.

SIDE VIEW



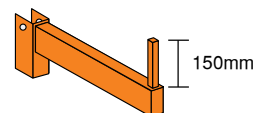
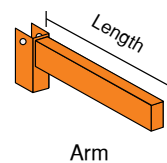
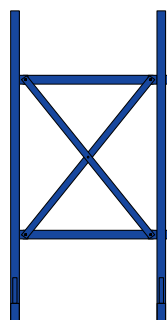
Single Sided

SIDE VIEW



Double Sided

FRONT VIEW



Arm with Stopper



Heavy Duty Cantilever C/W Top Flooring



Heavy Duty Cantilever Mezzanine



Medium Duty Single Sided Cantilever  
(100kg - 500kg)



Cantilever C/W Metal Shelving  
Plate with Divider



Universal Beam Heavy Duty Single Sided Cantilever  
(1000kg above)





**TTF Racking System Mezzanine Floor** was designed with simplicity and efficiency in mind. The Racking System Mezzanine Floor is made-up of SHS column and box beam type primary beam for life time safety and peace of mind. The system is ideal for maximum space usage to increase company profitability. Easily installed and dismantled without the need for on-site welding.





Multi-tier Mezzanine C/W Top Flooring



Multi-tier Mezzanine C/W Top Flooring







**TTF Truss System Mezzanine Floor** was designed with simplicity and efficiency in mind. The **Truss System Mezzanine Floor** is made-up of SHS column and Truss type support beam for life time safety and peace of mind. The system is ideal for maximum space usage to increase company profitability. Easily installed and dismantled without the need for on-site welding.



Multi-tier Truss System



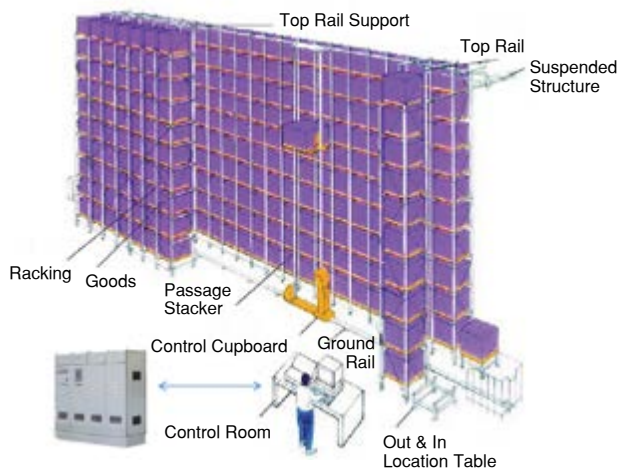
Decking material: Perforated Metal Floor Plain





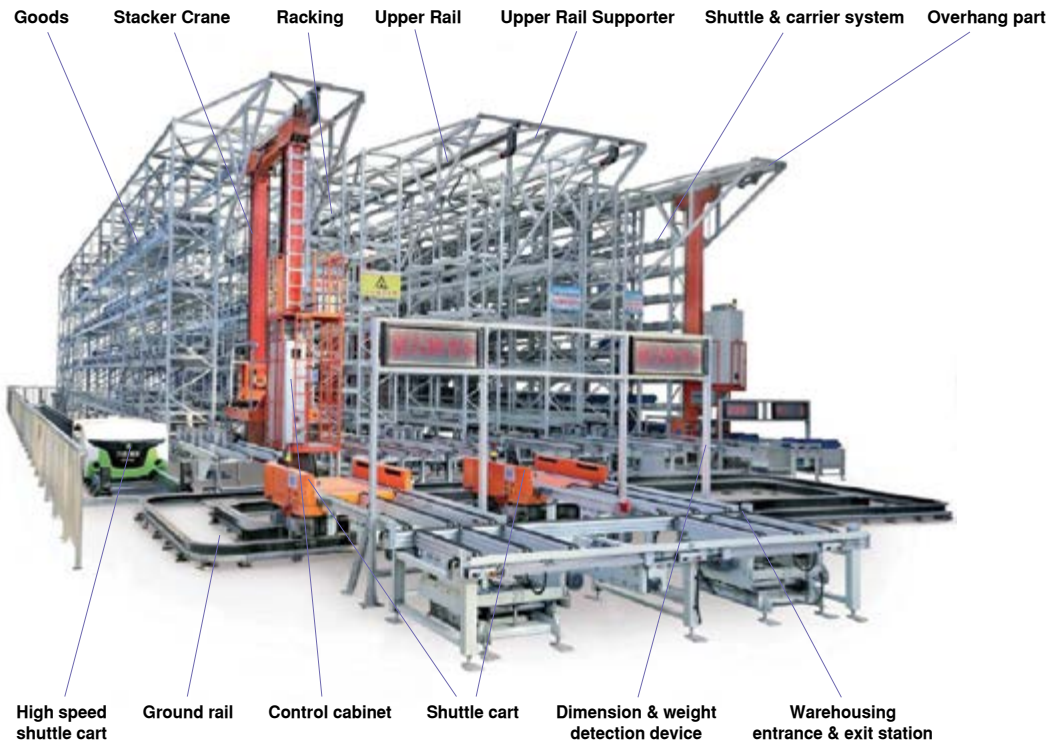


**TTF AS/RS System** consists of assembly racking and welding racking. Complimented by passage stackers, conveyor system and computer control system, it guarantees the fullest space utilization, handling mechanization and storage management modernization.





## Custom Design System



### Planning Stage

Custom design for warehouse layout and spacing optimization blueprint by site visits and technical discussions.

### Designing Stage

ASRS components technical selection by engineers in engineering division to meet customer requirements.

### Manufacturing Stage

Manufacturing of selected components according to configured mode and design drawings.

### Installation Stage

Assemble, install & debug of mechanical structure and electrical control system at customer site.

### After Sales Stage

Technical support / services at site and remote online maintenance by professional engineers at your requests.

## Design Highlights



### Racking System

- Optimized sectional design
- High quality steel material
- Pitch adjustable 75mm upright
- Strengthen by bolts & nuts
- High intensity & good stability
- Epoxy powder coated surface



### Stacker System

- Operation control mode - Computer monitoring & controlling system
- Operator schema - Online auto / Manual / Maintenance mode
- Auto address mode - Laser / Rolling / Barcode addressing / Communication mode - Infrared / Wireless



### Stacker Crane

- Single / Double mast structure
- Stable & reliable operation
- Vector frequency driver
- Encoder position controlling
- Real time tracing of pallets
- Touch screen easy operation



### Conveyor System

- Roller conveyor
- Chain conveyor
- Lift & transfer conveyor
- Palletizing conveyor
- Depalletizing conveyor
- AVG lane conveyor
- Shuttle lane conveyor

## ASRS Concept Structure

- Beams/ Bracket type racking with high steel quality for whole assembly structure.
- Steel pallet to load goods with strong loading capacity and better rigidity.
- Main components of racking being manufactured in high precision production.
- Installation done by certified engineers and technicians at site.

## ASRS Benefit Highlights

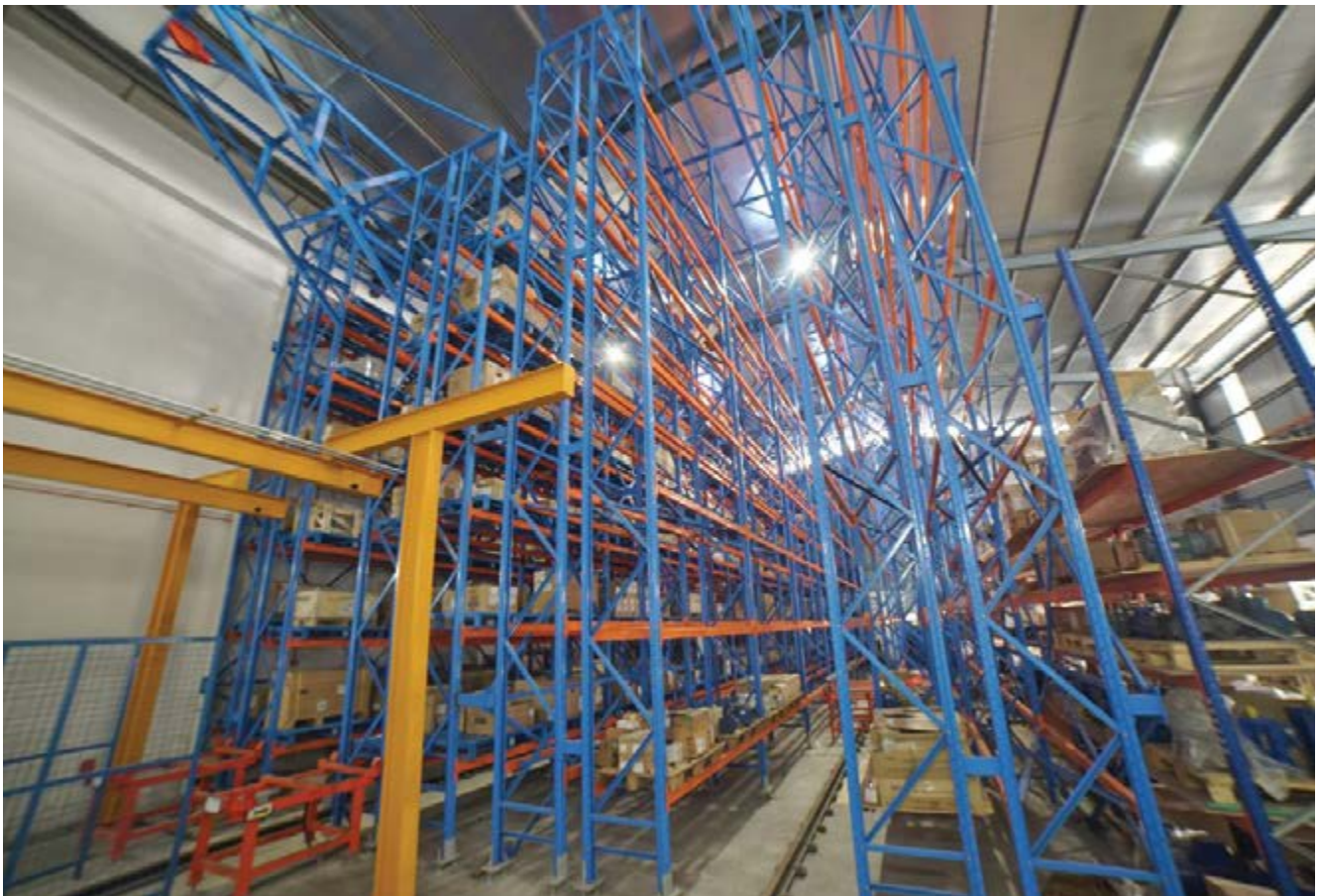
- ✓ High storage density degree vs space.
- ✓ Increased variety of goods stored.
- ✓ Micro warehouse cells stock check.
- ✓ Maximum store space utilization.
- ✓ High rise warehouse structure.
- ✓ Minimum land space utilization.
- ✓ High automatic operational speed.
- ✓ Minimum manual stock handling tasks.
- ✓ Minimum stock damages and losses.
- ✓ Application for Industry 4.0 implementation.
- ✓ Interface syncing with mainframe ERP / SAP.
- ✓ Auto database logs and ISO reporting formats.
- ✓ Real time inventory management.
- ✓ Increased inventory stock accuracy.
- ✓ Increased warehouse overall efficiency.
- ✓ Short ROI period of approximately 2 to 3 years.
- ✓ High rate of increased operation efficiency.
- ✓ Skilled workers development via technology.



Scan the QR code for **Product Video** in our facebook page.

[Click here](#)











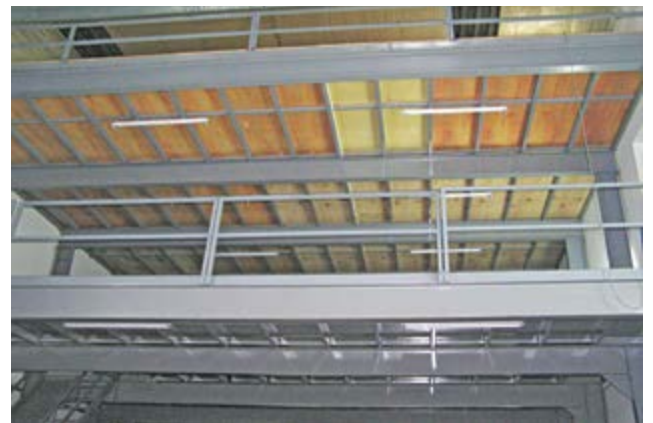


With an extremely popular trend of utilizing critical space by architects and builders, **TTF Steel Platform** provides the missing link to space-saving puzzles. Extremely strong and meeting all building safety requirements, the Steel Platform is a popular choice for many applications in permanent warehousing, medium scale factories and even amusement park application. Our **Steel Platform** design is built with a solid universal beam that is longer, requiring less column supports. Top flooring can be made of plywood or mild steel plate.





Chequer Plate





Multi-tier Steel Platform System



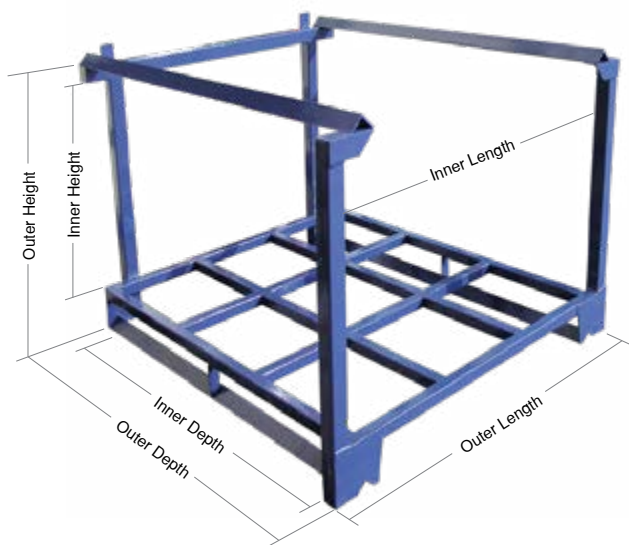
# PALLET TAINERS & STORAGE BOXES

Page 95 - 105

## IDEAL FOR SPACE







Loading capacity: 1000kg / 1500kg



Detachable Pallet Cages  
Loading capacity: 1000kg

**TTF Pallet Cages** is specially designed to withstand the load of medium weight loading items.

| Product Code | Dimension Inner H x D x L (mm) | Dimension Outer H x D x L (mm) | Post                          | Base                                                                 | Guide Rail                        | Front Plate       | Finishing    | Loading Capacity (kgs) | Colour & Decking Material | Stackable |
|--------------|--------------------------------|--------------------------------|-------------------------------|----------------------------------------------------------------------|-----------------------------------|-------------------|--------------|------------------------|---------------------------|-----------|
| <b>PC 1</b>  | 1400 x 1050 x 1250             | 1640 x 1100 x 1350             | 1.9mm thickness x 50x50mm SHS | 1.6mm thickness x 38x38mm SHS<br>or<br>1.6mm thickness x 50x50mm SHS | 4mm thickness x 50x50mm Angle Bar | 3mm thickness MSP | Glossy Paint | 1000 or 1500           | Available Customise       | Max. 3    |
| <b>PC 2</b>  | 1800 x 1050 x 1250             | 2040 x 1100 x 1350             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 3</b>  | 1400 x 1200 x 1200             | 1640 x 1250 x 1300             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 4</b>  | 1800 x 1200 x 1200             | 2040 x 1250 x 1300             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 5</b>  | 1400 x 1300 x 1300             | 1640 x 1350 x 1400             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 6</b>  | 1800 x 1300 x 1300             | 2040 x 1350 x 1400             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 7</b>  | 1000 x 1150 x 1250             | 1240 x 1200 x 1350             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 8</b>  | 1200 x 1150 x 1250             | 1440 x 1200 x 1350             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 9</b>  | 1000 x 1150 x 1350             | 1240 x 1200 x 1450             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 10</b> | 1200 x 1150 x 1350             | 1440 x 1200 x 1450             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 11</b> | 1000 x 1150 x 1450             | 1240 x 1200 x 1550             |                               |                                                                      |                                   |                   |              |                        |                           |           |
| <b>PC 12</b> | 1200 x 1150 x 1450             | 1440 x 1200 x 1550             |                               |                                                                      |                                   |                   |              |                        |                           |           |

Special size available on request.





1000 - 1500kgs / unit

**Special made**  
Design for stack 4 pallet cages.







**Iron Man Pallet Mesh** is handy, convenient, cost efficient in the sense that they are portable, durable, collapsible, stackable, prevent costly product being easily damaged associated with bulk stacking and provide product identification with increase stock control efficiency. In addition, it also provide us better space utilization and promote better material flow cum handling.

| Code                  | PM 3 | PM 5 | PM 7 | PM 9 |
|-----------------------|------|------|------|------|
| Height (mm)           | 650  | 840  | 900  | 1000 |
| Width (mm)            | 600  | 805  | 1000 | 1200 |
| Length (mm)           | 805  | 1000 | 1200 | 1400 |
| Loading capacity (kg) | 800  | 1200 | 1500 | 1000 |
| Number of layer       | 4    |      |      |      |
| Pitch (mm)            | 50   |      |      |      |
| Wire diameter (mm)    | 6.0  |      |      |      |
| Legs height (mm)      | 100  |      |      |      |
| Volume M <sup>3</sup> | 0.22 | 0.52 | 0.84 | 1.36 |



## Product Features



Rectangle ear lock



3mm thickness metal clamp



Emboss logo on leg



Reinforce steel wired in u-channel beam enhance stability.



Edge folded metal plate



Nestable



## Accessories



**Pallet Mesh Top Cover**

**PMTc 3** 610(W) x 805(L) mm  
**PMTc 5** 805(W) x 1005(L) mm  
**PMTc 7** 1010(W) x 1205(L) mm  
**PMTc 9** 1210(W) x 1405(L) mm



**Fitting of heavy duty castor wheel**



**Stackable**



TTF Multi Tool Box are the ideal way to store small fiddly components in a neat orderly manner, the **Multi Tool Box** can be fitted by attachment plastic pin to stocked on top of one another, available in 6 sizes for different application.



|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Code      | <b>MTB 1188</b>                                                                     |
| Size (mm) | 60H x 92W x 130L                                                                    |
| Colours   |  |



|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Code      | <b>MTB 1288</b>                                                                     |
| Size (mm) | 82H x 120W x 180L                                                                   |
| Colours   |  |



|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Code      | <b>MTB 1588</b>                                                                     |
| Size (mm) | 120H x 150W x 250L                                                                  |
| Colours   |  |



|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Code      | <b>MTB 1600</b>                                                                     |
| Size (mm) | 135H x 200W x 300L                                                                  |
| Colours   |  |

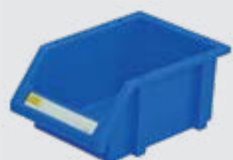


|           |                                                                                       |
|-----------|---------------------------------------------------------------------------------------|
| Code      | <b>MTB 1688</b>                                                                       |
| Size (mm) | 140H x 245W x 355L                                                                    |
| Colours   |  |



|           |                                                                                       |
|-----------|---------------------------------------------------------------------------------------|
| Code      | <b>MTB 1988</b>                                                                       |
| Size (mm) | 175H x 295W x 480L                                                                    |
| Colours   |  |

**Material made:**  
Polypropylene Comopolymer



|           |                                                                                       |
|-----------|---------------------------------------------------------------------------------------|
| Code      | <b>MTBK 1200</b>                                                                      |
| Size (mm) | 85H x 123W x 180L                                                                     |
| Colours   |  |



|           |                                                                                       |
|-----------|---------------------------------------------------------------------------------------|
| Code      | <b>MTBK 1500</b>                                                                      |
| Size (mm) | 125H x 158W x 260L                                                                    |
| Colours   |  |

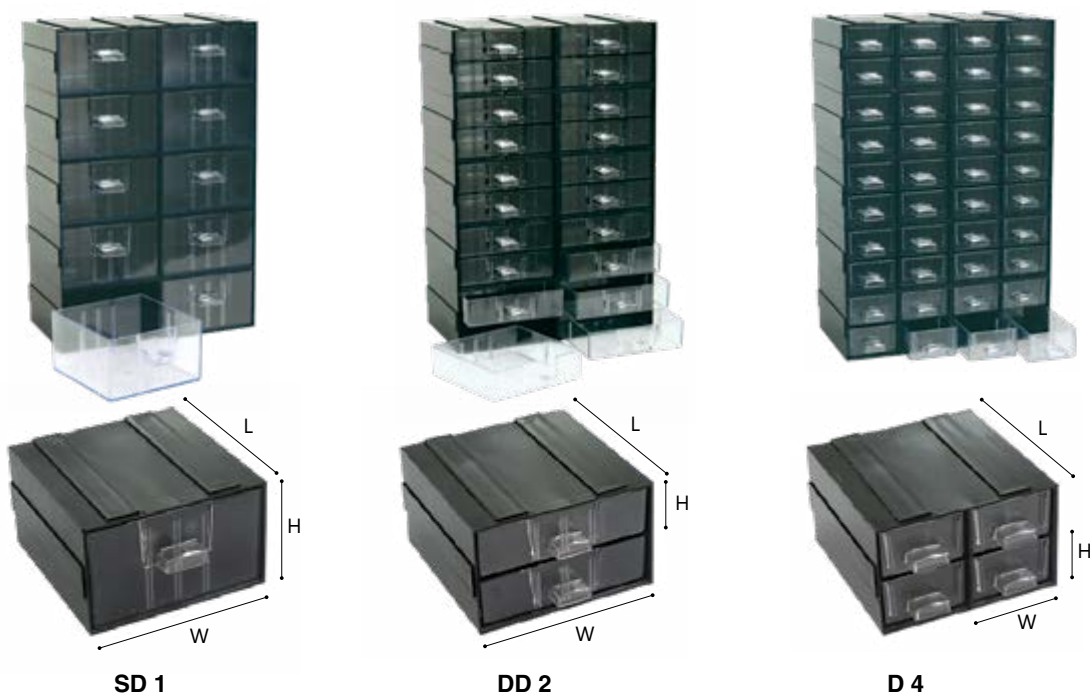
**Material made:**  
Polypropylene Homopolymer (SM6331)  
& Impact Copolymer (EPC40R)





Trolley Boltless Rack + Multi Tool Box





**TTF Multi Box** is perfect for loose items like screws, pins and etc. Its is available in 4 sizes for easy organization of small parts.

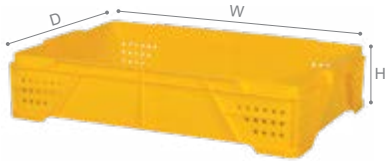
| Product Code                    | <b>SD 1</b>    | <b>DD 2</b>    | <b>D 4</b>    |
|---------------------------------|----------------|----------------|---------------|
| Drawer Size H x W x L (mm)      | 80 x 139 x 144 | 39 x 138 x 138 | 39 x 68 x 138 |
| Overall Box Size H x W x L (mm) | 89 x 145 x 150 |                |               |
| Colours                         | Black          |                |               |
| Material                        | ABS & PS       |                |               |

## Storage Carton Box



It is understandable that particularly in a company, amount of files could be massive and if without proper arrangement and storage, it will be kind a troublesome when there's a need to find back certain files. Hence, **TTF Storage Carton Box** with 2 sizes best cater and resolve such problem as the files are stored neatly in different boxes based on types of documents. In other words, it helps in 'segregating' and 'categorizing' files for easier storing and taking of files needed. With this, the working productivity could possibly achieved with minimal time wastage.

| Product Code          | <b>SCB 2932</b>    | <b>SCB 3333</b> |
|-----------------------|--------------------|-----------------|
| H x W x L (mm)        | 310 x 330 x 410    | 310 x 360 x 465 |
| Loading Capacity (kg) | 12                 | 15              |
| Arch File Size (mm)   | Arch File Quantity |                 |
| 70 x 280 x 290        | 5pcs               | 6pcs            |
| 70 x 280 x 350        | 4pcs               | 6pcs            |



## PB1001 YW

125H x 610W x 410D mm

 Yellow



## PB1001 LG

125H x 610W x 410D mm

 Light Grey



## PB1002 YW

(Stackable Food Grade Tray)

80H x 525W x 400D mm

 Yellow



## PB1003 YW

(Stackable Food Grade Tray)

95H x 525W x 400D mm

 Yellow



## PB1006 LG

(Industrial Stackable Tray Lid)

30H x 900W x 344D mm

 Light Grey

*PB1007LG & PB1007YW use.*



## PB1006 YW

30H x 900W x 344D mm

 Yellow

*PB1007LG & PB1007YW use.*



## PB1004 YW

(Stackable Food Grade Tray)

150H x 525W x 400D mm

 Yellow



## PB1007 LG

124H x 890W x 320D mm

 Light Grey



## PB1007 YW

124H x 890W x 320D (mm)

 Yellow



## PB1005

(Stackable Food Grade Tray Lid)

30H x 520W x 395D mm

 Translucent

*PB1002YW, PB1003YW & PB1004YW use.*



## TPM1121 YW

(Cake Tray 95mm)

100H x 265W x 400L mm

 Yellow



## TPM1122 YW

(Cake Tray 75mm)

80H x 265W x 400L (mm)

 Yellow



## TPM1123 YW

(Cake Tray 115mm)

120H x 400W x 530L mm

 Yellow



## TPM1124 YW

(Cake Tray 150mm)

153H x 400W x 530L mm

 Yellow



## TPM1125 RD

(Bun Tray)

140H x 542W x 638L (mm)

 Red

Material made : Polypropylene





## TPM1126 YW

(Cake Tray 95mm)  
95H x 365W x 495L mm

Yellow



## TPM1127 YW

(Cake Tray 75mm)  
75H x 365W x 495L (mm)

Yellow



## TPM1128 YW

(Cake Tray 55mm)  
55H x 365W x 495L (mm)

Yellow



## TPM1129 YW

(Cake Tray Cover)  
21H x 400W x 530L mm

Yellow



## TPM1120 YW

(Cake Tray Cover)  
30H x 265W x 400L mm

Yellow

## Industrial Container



## PB1016 YW

115H x 370W x 250D mm

Yellow



## PB1016 BK

115H x 370W x 250D mm

Black



## PB1018 YW

215H x 570W x 360D mm

Yellow



## PB1017 BK

190H x 490W x 350D mm

Black



## PB1017 YW

190H x 490W x 350D mm

Yellow



## PB1018 BK

215H x 570W x 360D mm

Black



## PB1019 YW

360H x 630W x 435D mm

Yellow

Material made : Polypropylene



## PB1019 LG

360H x 630W x 435D mm

Light Grey



## PB1020 YW

320H x 620W x 430D mm

Yellow



**PB1020LG**

320H x 620W x 430D mm

Light Grey



**PB1021YW**

145H x 355W x 245D mm

Yellow



**PB1021BK**

145H x 355W x 245D mm

Black



**PB1022YW**

180H x 490W x 360D mm

Yellow

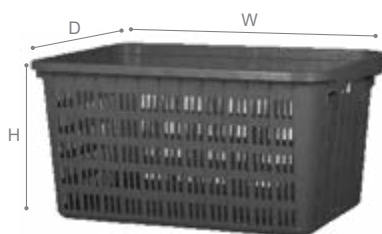


**PB1022BK**

180H x 490W x 360D mm

Black

## Industrial Basket



**PB1008BK**

390H x 780W x 540D mm

Black



**PB1009BK**

170H x 435W x 325D mm

Black



**PB1010BK**

330H x 585W x 365D mm

Black



**PB1010YW**

330H x 585W x 365D mm

Yellow



**PB1010LG**

330H x 585W x 365D (mm)

Light Grey





**PB1011LG**

360H x 610W x 430D mm

Light Grey



**PB1012BK**

415H x 690W x 485D mm

Black



**PB1012LG**

415H x 690W x 485D mm

Light Grey



**PB1013BK**

410H x 780W x 555D mm

Black



**PB1014BK**

600H x 900W x 650D mm

Black



**PB1015LG**

315H x 575W x 400D mm

Light Grey



**PB1015YW**

315H x 575W x 400D mm

Yellow



**PB1023BK**

240H x 410W x 310D mm

Black



**PB1023LG**

240H x 410W x 310D mm

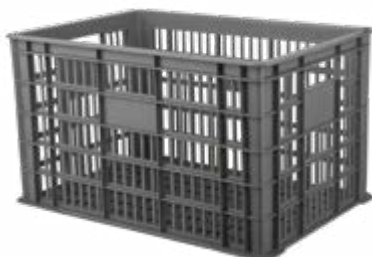
Light Grey



**PB1024BK**

296H x 522W x 363D mm

Black



**PB1024LG**

296H x 522W x 363D mm

Light Grey



**E1840BK**

420H x 700W x 490D mm

Black

Material made : Polypropylene

# RETAIL DISPLAY & EQUIPMENTS

Page 107 - 130

## IDEAL FOR SPACE







Island Gondola



Wall Gondola



End Gondola

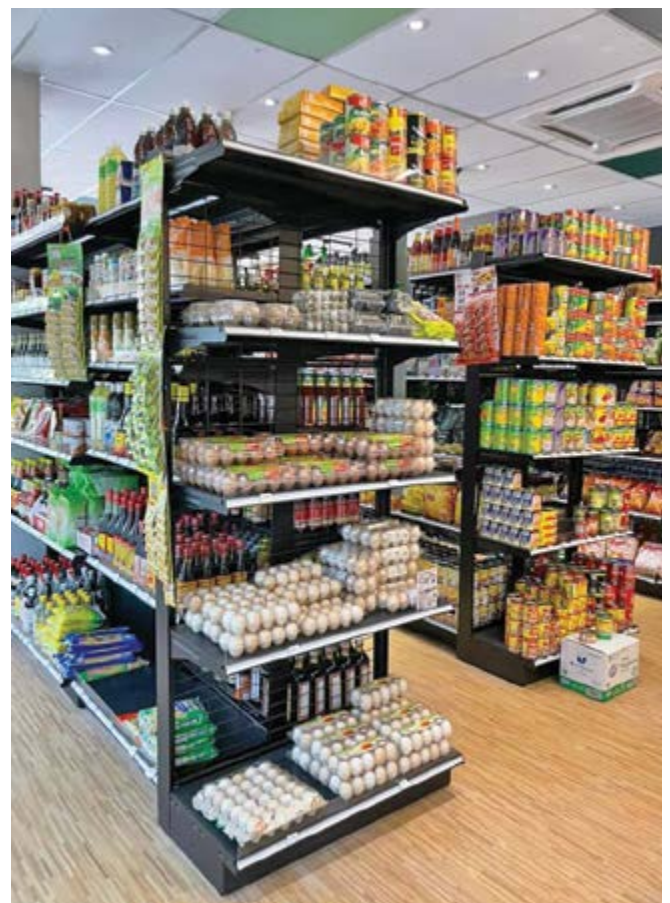
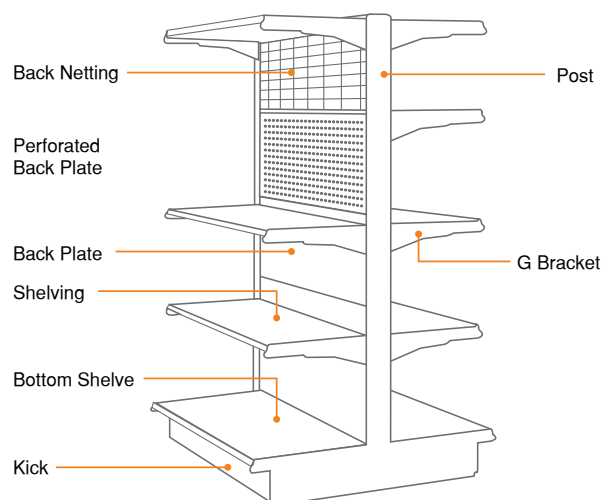


(White Colour)

**TTF** has embarked on producing extremely functional gondolas for display of fast-moving consumer goods (FMCG). Made of durable metal plates, can function with the addition of **TTF** designed gondola basket to suit the needs of supermarket facilities.

|                       |                                                                            |      |      |      |      |
|-----------------------|----------------------------------------------------------------------------|------|------|------|------|
| Height (mm)           | 1192                                                                       | 1492 | 1792 | 2092 | 2392 |
| Depth (mm)            | 342 (Shelving) , 400 (Bottom Shelf)                                        |      |      |      |      |
| Length (mm)           | 905 , 1210 (dimension of shelf exclude upright)                            |      |      |      |      |
| Back Cover            | Metal Plate / Metal Perforated / Netting                                   |      |      |      |      |
| Decking Material      | Metal Shelving Plate                                                       |      |      |      |      |
| Loading Capacity (kg) | 60kg UDL / Shelf                                                           |      |      |      |      |
| Colour                | <input type="checkbox"/> White , <input checked="" type="checkbox"/> Black |      |      |      |      |



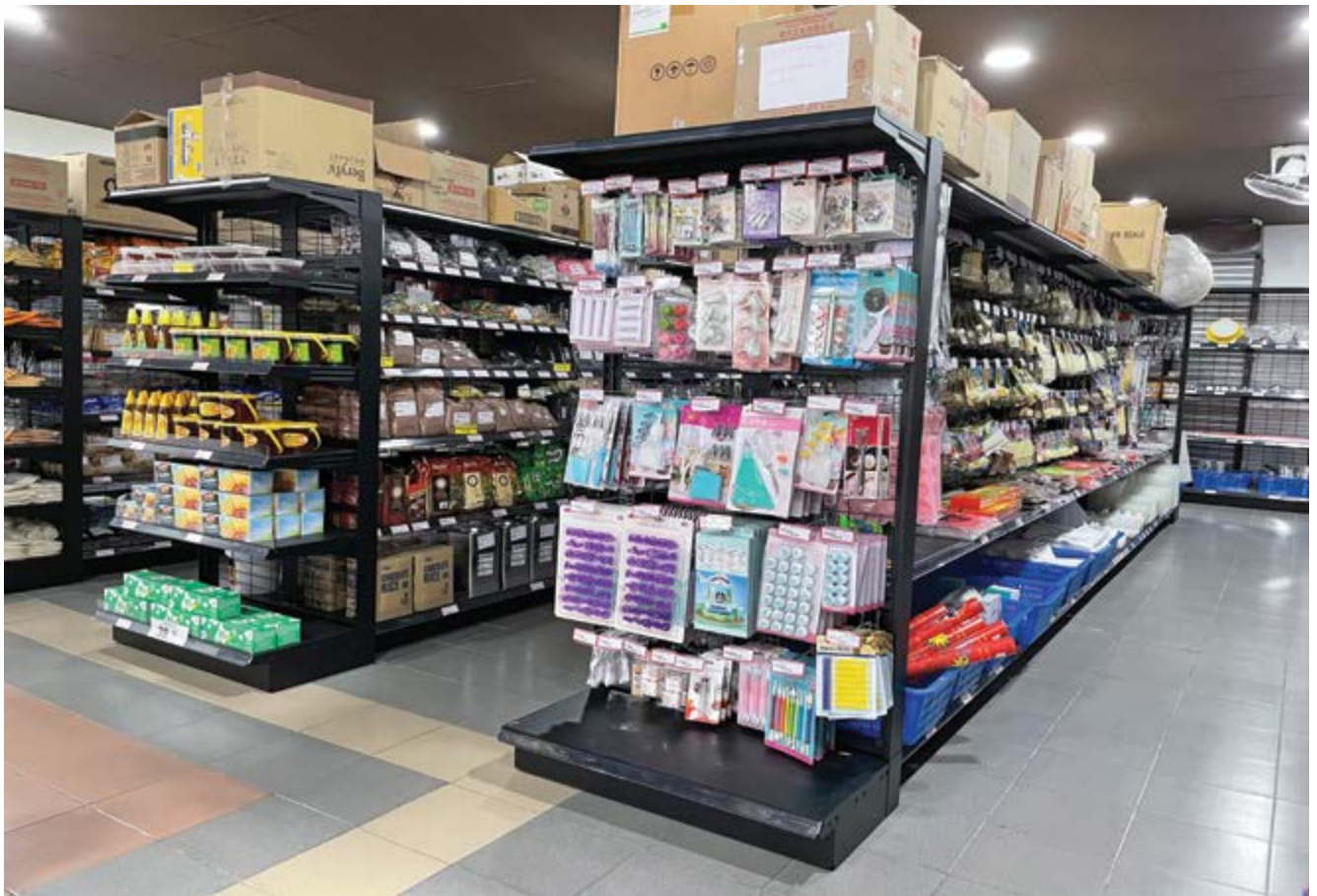




## Gondola Shelving System











**TTF** has embarked on producing extremely functional gondolas for display of fast-moving consumer goods (FMCG). Made of durable metal plates, can function with the addition of **TTF** designed gondola basket to suit the needs of supermarket facilities.

|                       |                                                                            |      |      |      |      |
|-----------------------|----------------------------------------------------------------------------|------|------|------|------|
| Height (mm)           | 1192                                                                       | 1492 | 1792 | 2092 | 2392 |
| Depth (mm)            | 245 (Shelving) , 245 (Bottom Shelf)                                        |      |      |      |      |
| Length (mm)           | 605 , 905 , 1210 (dimension of shelf exclude upright)                      |      |      |      |      |
| Back Cover            | Metal Plate / Metal Perforated / Netting                                   |      |      |      |      |
| Decking Material      | Metal Shelving Plate                                                       |      |      |      |      |
| Loading Capacity (kg) | 60kg UDL / Shelf                                                           |      |      |      |      |
| Colour                | <input type="checkbox"/> White , <input checked="" type="checkbox"/> Black |      |      |      |      |





## Mini Gondola Shelving System







## Fixtures & Accessories



### Light Box Header 900

LBH900WH • 145H x 350D x 900L (mm) • White

### Light Box Header 1200

LBH1200WH • 145H x 350D x 1200L (mm) • White

### Single Book Shelf 900

BS900x1WH • 225H x 130D x 900L (mm) • White

### Single Book Shelf 1200

BS1200x1WH • 225H x 130D x 1200L (mm) • White

### Double Book Shelf 900

BS900x2WH • 320H x 205D x 900L (mm) • White

### Double Book Shelf 1200

BS1200x2WH • 320H x 205D x 1200L mm • White

### Triple Book Shelf 900

BS900x3WH • 410H x 275D x 900L (mm) • White

### Triple Book Shelf 1200

BS1200x3WH • 410H x 275D x 1200L (mm) • White



**Perforated Back Plate**



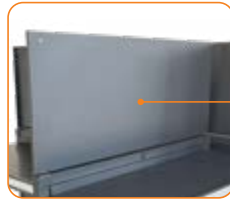
**Gondola Side Mesh with Bracket**

GSM • 1100H x 130D x 460L (mm) • White



## 4 Way Advertising Plate c/w U Clip (Optional)

Code: FWA300640-BK  
Size: H300 x L640mm



## 4 Way Frame

Code: FWF1500635-BK  
Size: H1500 x W635mm



## 4 Way G Bracket

Code: FWGB-BK



## Shelving-mini

Code: S1024M-BK



**TTF 4 Way Gondola** attractively showcase a lot of product without monopolizing your valuable sales floor space.

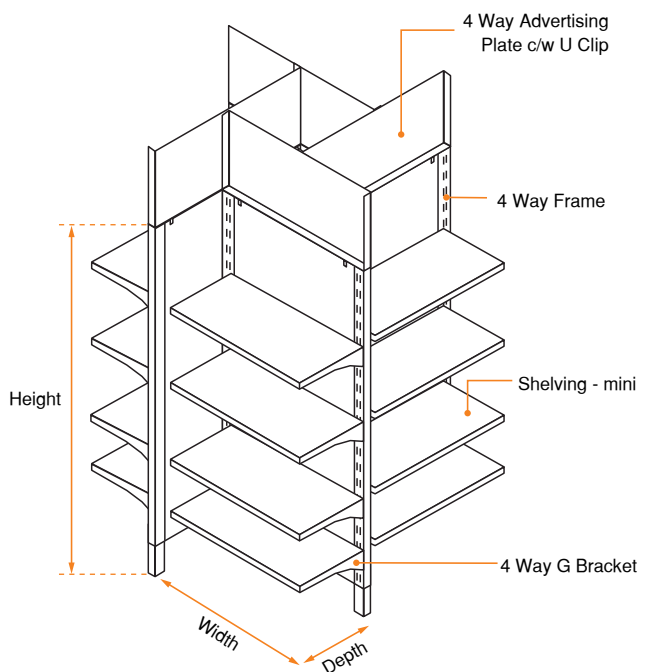
These 4 Way Gondola's efficiently showcase similar or different products in proximity to one another, while the 360 degree design engages your customers.

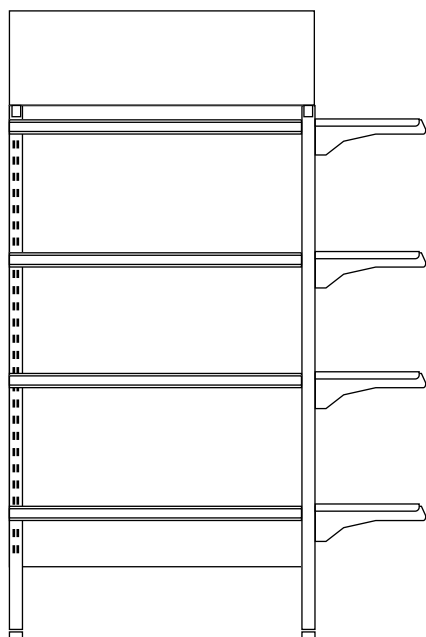
|                       |                                          |
|-----------------------|------------------------------------------|
| Height (mm)           | 1500                                     |
| Width (mm)            | 600 (shelving)                           |
| Depth (mm)            | 245 (dimension of shelf exclude upright) |
| Back Cover            | Metal Plate                              |
| Decking Material      | Metal Shelving Plate                     |
| Loading Capacity (kg) | 60kg UDL / Shelf                         |
| Colour                | ■ Black , □ White                        |



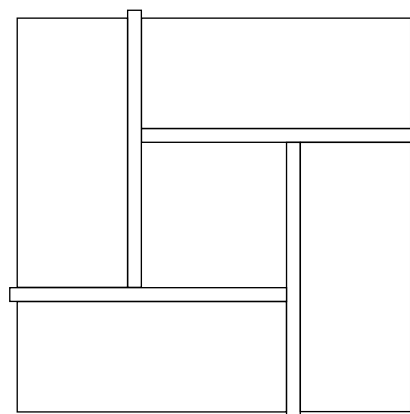
Scan the QR code for **Product Video** in our facebook page.

[Click here](#)





FRONT / SIDE VIEW



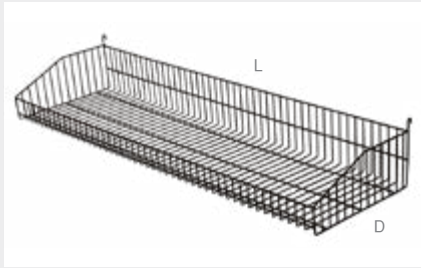
TOP VIEW





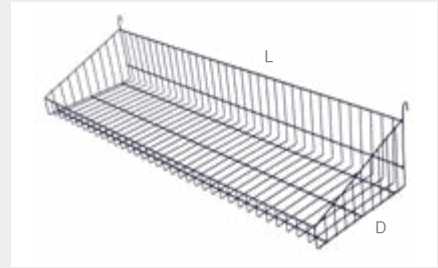
## Gondola Basket

**GB3** • 345D x 911L (mm) • White • Black  
**GB4** • 345D x 1211L (mm) • White • Black



## Gondola Basket

**GB3A** • 345D x 911L (mm) • Black • White  
**GB4A** • 345D x 1211L (mm) • Black • White



## Mini Gondola Basket

**MGB3** • 260D x 900L (mm) • Black • White  
**MGB4** • 260D x 1200L (mm) • Black • White



## Chrome Bar Bracket

**CHLB** • Chrome Left Bar Bracket  
**CHRB** • Chrome Right Bar Bracket



## Chrome Bar

**CHB 600** • 25H x 12.5W x 600L (mm)  
**CHB 900** • 25H x 12.5W x 900L (mm)  
**CHB 1200** • 25H x 12.5W x 1200L (mm)



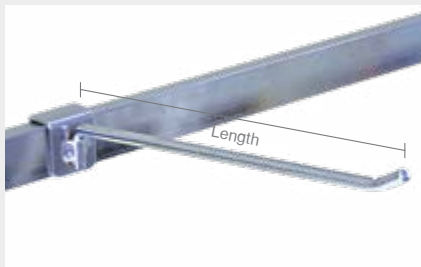
## Chrome Bar Bracket - AA

**CHLB-AA** • Chrome Left Bracket (L)  
**CHRB-AA** • Chrome Right Bracket (R)



## Chrome Bar Bracket with Screw

**CHLB-AAS** • Chrome Left Bar Bracket with Screw (L)  
**CHRB-AAS** • Chrome Left Bar Bracket with Screw (R)



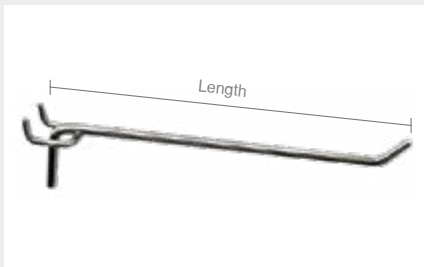
## Chrome Single Bar Hook

**CHSH** • Length (In.) 6", 8", 10", 12"



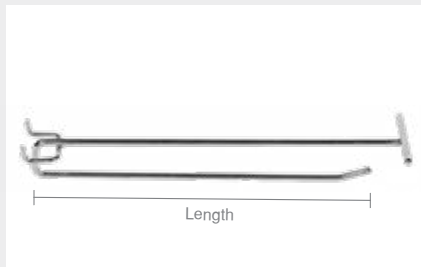
## Chrome Double Bar Hook

**CHDH** • Length (In.) 6", 8", 10", 12"



## Chrome Pry Hook

**CHPH** • Length (In.) 4", 6", 8", 10", 12"



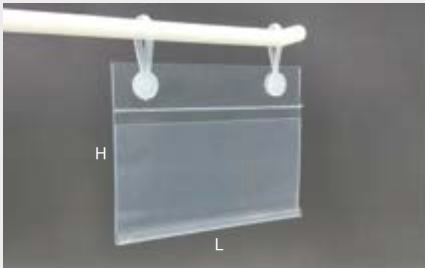
## Chrome Pry Double Hook

**CHPDH** • Length (In.) 6", 8", 10", 12"



## PVC Ticket Holder

**TH60** • 39H x 60L (mm)



#### PVC Price Tag Label Holder

**TH80H** • 60H x 80L (mm)  
**TH100H** • 60H x 100L (mm)



#### Wire Divider

**WD3** • 50H x 890L (mm)  
**WD4** • 50H x 1190L (mm)



#### Plastic Divider

**PD2** • 50H x 598L (mm)  
**PD3** • 50H x 895L (mm)  
**PD4** • 50H x 1195L (mm)



#### Data Strip

**DTS2** • 42H x 598L (mm) • Black • White  
**DTS3** • 42H x 895L (mm) • Black • White  
**DTS4** • 42H x 1195L (mm) • Black • White



#### Display Hook Lock

**DHL5WH** • Inner Diameter 5 (mm) • White  
**DHL5RD** • Inner Diameter 5 (mm) • Red  
**DHL6WH** • Inner Diameter 6 (mm) • White  
**DHL6RD** • Inner Diameter 6 (mm) • Red



#### Display Hook Magnetic Key

**DHMK**



#### A5 Table Poster Sign Holder

**A5S** • Frame Size 210 x 148.5 (mm) • Adjustable Height 300 - 600 (mm) • White Frame



#### A4 Table Poster Sign Holder

**A4S** • Frame Size 210 x 297 (mm) • Adjustable Height 300 - 600 (mm) • White Frame



#### A3 Table Poster Sign Holder

**A3S** • Frame Size 297 x 420 (mm) • Adjustable Height 300 - 600 (mm) • White Frame



#### A4 Basket Sign

**A4BS** • Frame Size 210 x 297 (mm) • Pole Length Extendable from 300 - 500mm • Aluminium + Spring material • White Frame



#### Sign Card Display Clip Holder

**CP01C** • 110H (mm)  
**CP02C** • 160H (mm)



#### Table PVC Sign Card Display Clip Holder

**CP03T** • 100H (mm)  
**CP04T** • 150H (mm)





**Table Metal Sign Card Display Clip Holder**

CP05T • Adjustable Height 370 - 600 (mm)



**Magnetic Price Tag Holder**

CP06M • 45H x 70W (mm)



**Magnetic Poster Display Clip L-Holder**

CP07M • Adjustable Height 375 - 645 (mm)



**Table Poster Display T-Holder**

CP08T • Adjustable Height 470 - 740 (mm)



**Magnetic Poster Display Clip T-Holder**

CP09M • Adjustable Height 220 - 820 (mm)



**Poster Display Clip T-Holder**

CP10C • Adjustable Height 220 - 860 (mm)



**Sign Card C/W Display Clip**

CP11C • Height 150 (mm) • Yellow • Red • White • Black



**Sign Card Display Clip Holder**

CP12C • Height 180 (mm) • Yellow • Red • White • Black



**L-Type Floor Stand Poster Display**

LS • Adjustable Height 1346 - 2489 (mm)



**Vege Basket**

B1523 • 200H x 590W x 380D (mm) • Green



**Stretch Film (Grade A)**

SF (Regular) • 500H (mm) • 2.4kgs  
MSF (Mini) • 100H (mm) • 330g



**Wire Rod Data Holder**

DTF3 WR • Length 870 (mm) • White  
DTF4 WR • Length 1180 (mm) • White



### Vege Rack with 6 Basket

**VGR6B** • 2090H x 830D x 1220L (mm)  
• Remarks: Included 6pcs green basket + 4 pcs swivel castor c/w 75 mm PP wheel



### Square Tower Stand

**STS** • 1200H x 350D x 350W (mm)  
• 5 Layer • Black



### PVC Promotion Counter

**PPTC**  
Graphic size (mm)  
Header 290H x 795W  
Front panel 800H x 810W  
Side panel 800H x 390W  
Back panel 800H x 100W



### Aluminium Zig Zag Brochure Stand

**ZBS** • Height: 1530 (mm) •  
(6 Display in A4 size)



### Eco Bunting Stand

**EBS** • Height 7' (Adjustable)



### Poster Stand

**PS** • Silver & Black



### Tripod Bunting Stand

**TBS** • Height 7' (Adjustable)



### 1.5m Pine Wood Easel Stand

**EWES 1.5** • H1500 x D710 x L580 (mm) Adjustable 485 - 945 (mm)



### Adjustable Height Double Sided Poster Stand

**ADPS 02**  
Quick & easy to assemble  
Adjustable height up to 2 meter  
It can use as poster board display & menu board. It can be used as a mini backdrop



### PVC snap clip bar 800mm with hanging chain

**PSCB 800**  
• Length 800 (mm) • Translucence



### Steel Hanging Chain 250mm

**SHC 250**  
• Length 250 (mm)



### Lift Stick 30mm

**LS 30**  
• Diameter Ø30 (mm)

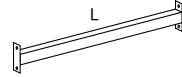


# Minso Wall Wooden Display Rack w/o Back Cover



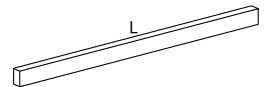
## JCBB-M812ZP

Code : JCBB Screw  
M8 x 12mm (ZP)



## Minso Frame Joint

Code : WDR-FJ870-BK  
Size (mm) : L870  
Code : WDR-FJ1170-BK  
Size (mm) : L1170



## Minso Square Bar

Code : WDR-SB880-BK  
Size (mm) : L880  
Code : WDR-SB1180-BK  
Size (mm) : L1180



Pitching  
adjustable:  
25mm

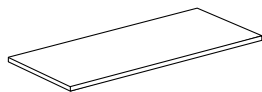
## Minso Rectangle Frame

Code : WDR-RF1500355-BK  
Size (mm) : H1500 x W355  
Code : WDR-RF1800355-BK  
Size (mm) : H1800 x W355  
Code : WDR-RF2100355-BK  
Size (mm) : H2100 x W355  
Code : WDR-RF2400355BK  
Size (mm) : H2400 x W355



## Minso Teeth Bracket

Code : WDR-TB-BK



## 16mm Melamine Board

Code : 16MB 295895  
Size (mm) : 295 x 895  
Code : 16MB 2951195  
Size (mm) : 295 x 1195  
Colour : TTF Light Brown



## SWL32-M825

Code : Screw Leg  
OD32 x M8 x 25  
(20 line)

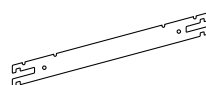
**Loading capacity: 60kg / Level**

## Optional



## Minso Shelving

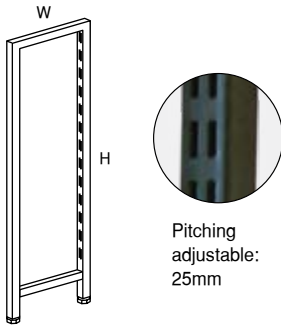
Code : WDR-S250896-BK  
Size (mm) : W250 x L896  
Code : WDR-S2501196-BK  
Size (mm) : W250 x L1196



## Minso Flat Bracket

Code : WDR-FB-BK

# Minso Wall Wooden Display Rack with Back Plate



## Minso Rectangle Frame

Code : WDR-RF1500355-BK

Size (mm) : H1500 x W355

Code : WDR-RF1800355-BK

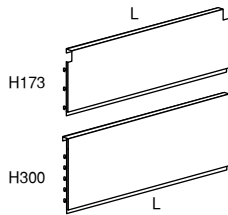
Size (mm) : H1800 x W355

Code : WDR-RF2100355-BK

Size (mm) : H2100 x W355

Code : WDR-RF2400355BK

Size (mm) : H2400 x W355



## Minso Back Plate

Code : WDR-BP1731188-BK

Size (mm) : H173 x L1188

Code : WDR-BP3001188-BK

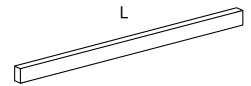
Size (mm) : H300 x L1188

Code : WDR-BP173888-BK

Size (mm) : H173 x L888

Code : WDR-BP300888-BK

Size (mm) : H300 x L888



## Minso Square Bar

Code : WDR-SB880-BK

Size (mm) : L880

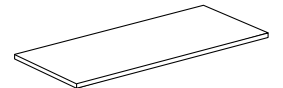
Code : WDR-SB1180-BK

Size (mm) : L1180



## Minso Teeth Bracket

Code : WDR-TB-BK



## 16mm Melamine Board

Code : 16MB 295895

Size (mm) : 295 x 895

Code : 16MB 2951195

Size (mm) : 295 x 1195

Colour : TTF Light Brown



## SWL32-M825

Code : Screw Leg

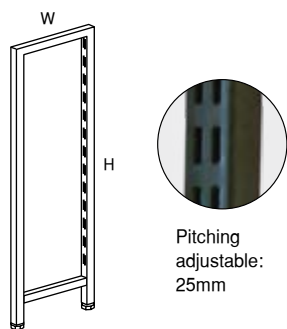
OD32 x M8 x 25

(20 line)

**Loading capacity: 60kg / Level**



# Minso Wall Metal Display Rack with Back Plate



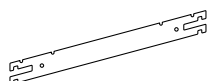
## Minso Rectangle Frame

Code : WDR-RF1500355-BK  
Size (mm) : H1500 x W355

Code : WDR-RF1800355-BK  
Size (mm) : H1800 x W355

Code : WDR-RF2100355-BK  
Size (mm) : H2100 x W355

Code : WDR-RF2400355BK  
Size (mm) : H2400 x W355



## Minso Flat Bracket

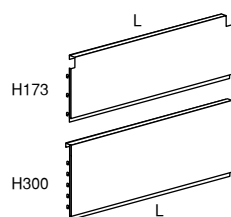
Code : WDR-FB-BK



## Minso Shelving

Code : WDR-S2501196-BK  
Size (mm) : W250 x L1196

Code : WDR-S250896-BK  
Size (mm) : W250 x L896



## Minso Back Plate

Code : WDR-BP1731188-BK  
Size (mm) : H173 x L1188

Code : WDR-BP3001188-BK  
Size (mm) : H300 x L1188

Code : WDR-BP173888-BK  
Size (mm) : H173 x L888

Code : WDR-BP300888-BK  
Size (mm) : H300 x L888

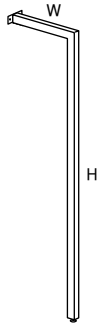


## SWL32-M825

Code : Screw Leg  
OD32 x M8 x 25  
(20 line)

**Loading capacity: 60kg / Level**

# Minso L Wall Wooden Display Rack Empty Back



## Minso L Stand

Code : WDR-LS2100355-BK  
Size (mm) : H2100 x W355  
Code : WDR-LS2400355-BK  
Size (mm) : H2400 x W355  
Code : WDR-LS2700355-BK  
Size (mm) : H2700 x W355  
Code : WDR-LS3000355-BK  
Size (mm) : H3000 x W355



Pitching  
adjustable:  
25mm



## Minso G Bracket

Code : WDR-GBL-BK (Left)  
Code : WDR-GBR-BK (Right)



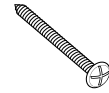
## SWL32-M825

Code : Screw Leg  
OD32 x M8 x 25 (20 line)



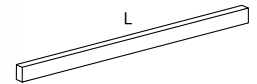
## PVC Wall Plug

Code : PVCWP



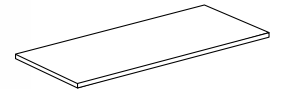
## Tapping Screw Flat Head M10x50

Code : TSFH1050



## Minso Square Bar

Code : WDR-SB880-BK  
Size (mm) : L880  
Code : WDR-SB1180-BK  
Size (mm) : L1180



## 16mm Melamine Board

Code : 16MB 295895  
Size (mm) : 295 x 895  
Code : 16MB 2951195  
Size (mm) : 295 x 1195  
Colour : TTF Light Brown



**Loading capacity: 60kg / Level**



# Minso Island Wooden Display Rack

**Minso Back Plate Half**  
(WDR-BPH)

**Minso Frame**  
(WDR-F)



Pitching adjustable: 25mm

**Minso Square Bar**  
(WDR-SB)

**Minso Bottom**  
(WDR-B)

**Minso Advertising Plate c/w U Clip**  
(WDR-A)

**Minso G Bracket**  
(WDR-GB)

**16mm Melamine Board**  
(16MB)

**Minso Back Netting Full**  
(WDR-BNF)

**Minso Cabinet**  
(WDR-C)

**Screw Leg**  
(SWL32-M825)



**Loading capacity: 60kg / Level**

## Minso Island Wooden Display Rack with Back Plate

**Minso Back Plate**  
(WDR-BP)

**Minso Frame c/w Plate**  
(WDR-FP)



Pitching adjustable: 25mm

**Minso Square Bar**  
(WDR-SB)

**16mm Melamine Board**  
(16MB)

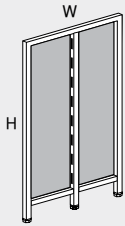
**Minso G Bracket**  
(WDR-GB)

**Screw Leg**  
(SWL32-M825)



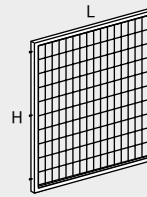
**Loading capacity: 60kg / Level**

## Minso Island Wooden Display Rack Parts List



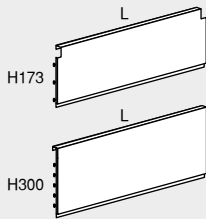
### Minso Frame c/w Plate

Code : WDR-FP1500690-BK  
Size (mm) : H1500 x W690  
Code : WDR-FP1800690-BK  
Size (mm) : H1800 x W690



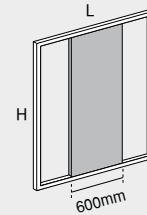
### Minso Back Netting Full

Code : WDR-BNF14001170-BK  
Size (mm) : H1400 x L1170  
Code : WDR-BNF17001170-BK  
Size (mm) : H1700 x L1170



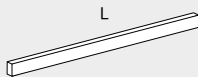
### Minso Back Plate

Code : WDR-BP1731188-BK  
Size (mm) : H173 x L1188  
Code : WDR-BP3001188-BK  
Size (mm) : H300 x L1188  
Code : WDR-BP173888-BK  
Size (mm) : H173 x L888  
Code : WDR-BP300888-BK  
Size (mm) : H300 x L888



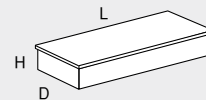
### Minso Back Plate Half

Code : WDR-BPH14001170-BK  
Size (mm) : H1400 x L1170



### Minso Square Bar

Code : WDR-SB650-BK  
Size (mm) : L650  
Code : WDR-SB880-BK  
Size (mm) : L880  
Code : WDR-SB1180-BK  
Size (mm) : L1180



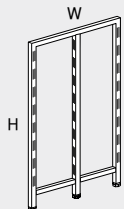
### Minso Bottom

Code : WDR-B150330660  
Size (mm) : H150 x D330 x L660  
Code : WDR-B1503301165  
Size (mm) : H150 x D330 x L1165



### SWL32-M825

Code : Screw Leg OD32 x M8 x 25  
(20 line)



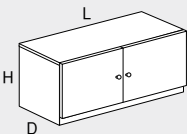
### Minso Frame

Code : WDR-F1500690-BK  
Size (mm) : H1500 x W690  
Code : WDR-F1800690-BK  
Size (mm) : H1800 x W690  
Code : WDR-F2100690-BK  
Size (mm) : H2100 x W690  
Code : WDR-F2400690-BK  
Size (mm) : H2400 x W690



### 16mm Melamine Board

Code : 16MB 295664  
Size (mm) : 295 x 664  
Code : 16MB 295895  
Size (mm) : 295 x 895  
Code : 16MB 2951195  
Size (mm) : 295 x 1195  
Colour : TTF Light Brown



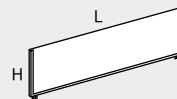
### Minso Cabinet

Code : WDR-C400335660  
Size (mm) : H400 x D330 x L660  
Code : WDR-C4003351165  
Size (mm) : H400 x D330 x L1165



### Minso G Bracket

Code : WDR-GBL-BK (Left)  
Code : WDR-GBR-BK (Right)



### Minso Advertising Plate c/w U Clip

Code : WDR-A2031160-BK  
Size (mm) : H203 x L1160

## Optional



### Minso Shelving

Code : WDR-S2501196  
Size (mm) : W250 x L1196  
Code : WDR-S250896  
Size (mm) : W250 x L896



### Minso Flat Bracket

Code : WDR-FB-BK





# Shopping Trolley



150 litre



125 litre



100 litre



20 litre

| Product Code     | ST150YW          | ST125YW          | ST100YW         | ST20YW          |
|------------------|------------------|------------------|-----------------|-----------------|
| Capacity (litre) | 150              | 125              | 100             | 20              |
| Size HxWxL (mm)  | 1020 x 560 x 970 | 1010 x 560 x 920 | 985 x 490 x 825 | 620 x 300 x 480 |
| Colour           | Yellow           |                  |                 |                 |



| Product Code     | SH125A           |
|------------------|------------------|
| Capacity (litre) | 125              |
| Size HxWxL (mm)  | 1020 x 560 x 890 |
| Colour           | Red              |



## Shopping Basket with Roller

**RB02DG** • 395H x 400W x 580L (mm) • 45 Litre • Dark Grey

**RB02RD** • 395H x 400W x 580L (mm) • 45 Litre • Red

**RB02YW** • 395H x 400W x 580L (mm) • 45 Litre • Yellow

**RB02BU** • 395H x 400W x 580L (mm) • 45 Litre • Blue



## Shopping Basket Trolley

**SPBT** • 1020H x 472W x 472L (mm)  
\*without shopping basket



## Shopping Basket

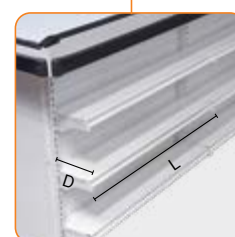
**SPB GN** • 260H x 340W x 483L (mm) • Green  
**SPB BU** • 260H x 340W x 483L (mm) • Blue



| Description  | Cashier Counter |           | Side Table |
|--------------|-----------------|-----------|------------|
| Product Code | CT1500-BK       | CT6490-BK | CT8655-BK  |
| Height (mm)  | 890             | 640       | 865        |
| Depth (mm)   | 550             | 450       | 500        |
| Length (mm)  | 1500            | 900       | 550        |
| Colour       | Black           |           |            |



| Description  | Cashier Counter 900H x 1800L C/W 6 Shelf |               | Side Table 900H x 550L  |           |
|--------------|------------------------------------------|---------------|-------------------------|-----------|
| Product Code | CT90180W6S-WH                            | CT90180W6S-BK | CT9055-WH               | CT9055-BK |
| Height (mm)  | 900                                      |               | 900                     |           |
| Depth (mm)   | 550                                      |               | 500                     |           |
| Length (mm)  | 1800                                     |               | 550                     |           |
| Colour       | White                                    | Black         | White                   | Black     |
| Remarks      | Come with 6 shelf                        |               | Side Table without door |           |



Shelf size 140D x 835L mm



CT1160B-WH



CT1800B-WH



CT560B-WH



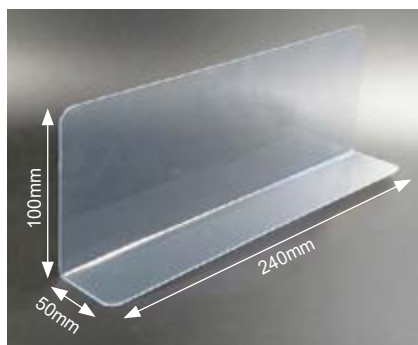
(Front)



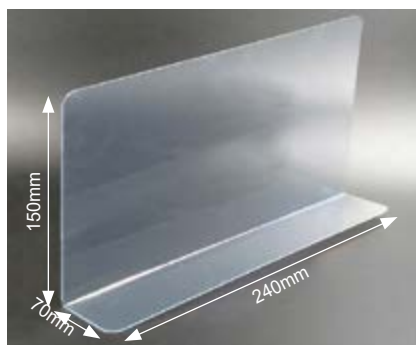
(Back)

| Description  | Cashier Counter                |            | Side Table |
|--------------|--------------------------------|------------|------------|
| Product Code | CT1800B-WH                     | CT1160B-WH | CT560B-WH  |
| Height (mm)  | 770                            | 770        | 770        |
| Depth (mm)   | 550                            | 550        | 450        |
| Length (mm)  | 1780                           | 1160       | 550        |
| Colour       | <input type="checkbox"/> White |            |            |

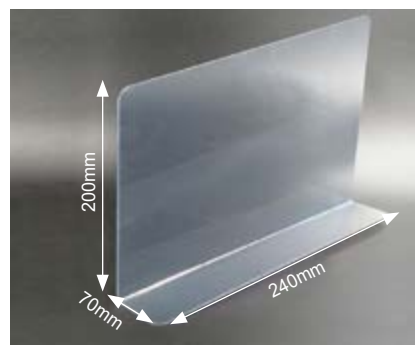
## PVC Display Divider



**PD100** • 100H x 50W x 240L (mm)



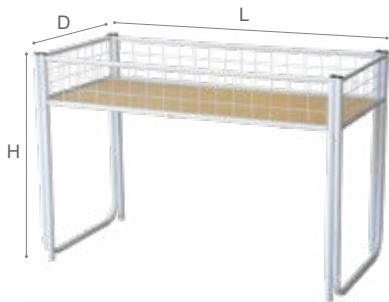
**PD150** • 150H x 70W x 240L (mm)



**PD200** • 200H x 70W x 240L (mm)

## Offer Bin 1 Layer

OB1L • 815H x 590D x 1220L (mm)  
Black | White



## Offer Bin 2 Layer

OB2L • 815H x 590D x 1220L (mm)  
Black | White



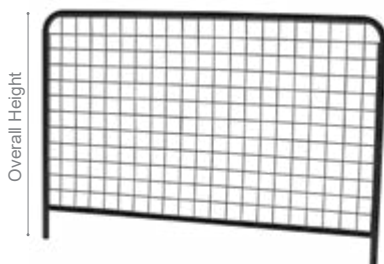
## Offer Bin 3 Layer

OB3L • 1310H x 590D x 1220L (mm)  
Black | White



## Offer Bin Netting

OBN • 750H x 1165L (mm)  
Overall Height 840 (mm)  
Black | White



## Adjustable Offer Bin 3

AOB3 • 800H x 610D x 1220L (mm)  
Black | White



## Zip Canvas

ZC • 813H x 610D x 1219L (mm)  
Red | Dark Blue | Orange

Colour: ■ ■ ■



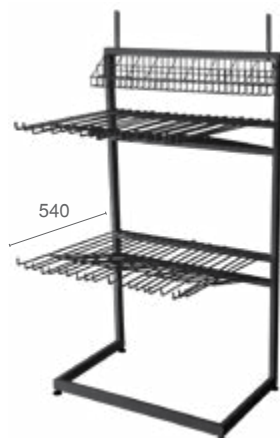
## A Wrapping Paper Stand

AWPS-BK • 1250H x 380D x 600L (mm)  
Black



## E Wrapping Paper Stand

EWPS-BK • 1240H x 450D x 715L (mm)  
Black



## Mini Promo Bin

MPB • 800H x 300D x 300L (mm)  
Black





## Full Netting Bin

FNB • 800H x 610D x 610L (mm)  
Black



## Umbrella Stand

US-BK • 730H x 300D x 335L (mm)  
Black



## Magazine Rack

MR2 • 1290H x 390D x 914L (mm)  
Black | White



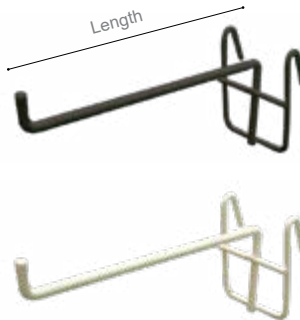
## Newspaper Stand

NPS-BK • 1380H x 355D x 450L (mm)  
Black



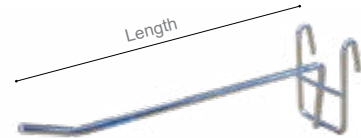
## Epoxy Netting Hook

NH 2A / 4A / 6A / 8A / 10A / 12A  
Length: 2", 4", 6", 8", 10", 12"  
Black | White



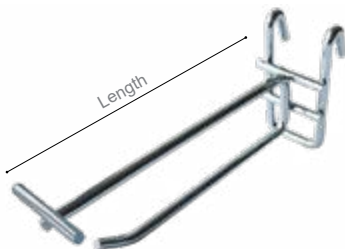
## Chrome Netting Hook

CHNH 4 / 6 / 8 / 10 / 12  
Length: 4", 6", 8", 10", 12"



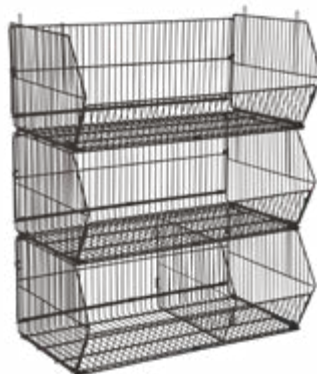
## Chrome Netting Double Hook

CHNDH • Length (in) 4, 6, 8, 10, 12



## Stackable Basket

SB2 • 350H x 450D x 610L (mm)  
SB3 • 350H x 450D x 910L (mm)  
SB4 • 350H x 450D x 1220L (mm)  
Black | White



## Stackable Basket Tray c/w Wheel

SB2T • 400D x 630L (mm)  
SB3T • 400D x 935L (mm)  
SB4T • 400D x 1240L (mm)  
Black | White



### Candy Basket (foldable)

CBF3 • 370H x 570D x 905L (mm)  
CBF4 • 370H x 570D x 1210L (mm)



### Candy Basket Divider

CBD • 360H x 550L (mm)

### Stackable Basket Divider

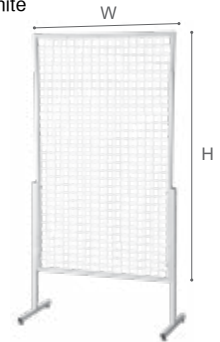
SBD • 340H x 420L (mm)  
Black | White



### Wire Mesh with Stand

|                               |                      |
|-------------------------------|----------------------|
| WMS 1.5 x 6B • 1.5' x 6' (ft) | WMS 3 x 6B • 3' x 6' |
| WMS 2 x 4B • 2' x 4'          | WMS 3 x 7B • 3' x 7' |
| WMS 2 x 5B • 2' x 5'          | WMS 4 x 4B • 4' x 4' |
| WMS 2 x 6B • 2' x 6'          | WMS 4 x 5B • 4' x 5' |
| WMS 3 x 4B • 3' x 4'          | WMS 4 x 6B • 4' x 6' |
| WMS 3 x 5B • 3' x 5'          | WMS 4 x 7B • 4' x 7' |

Black | White



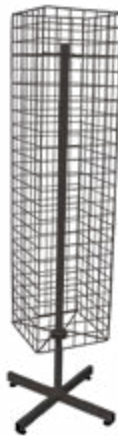
### Broom Rack

BMR • 1330H x 510D x 1000L (mm)  
Black



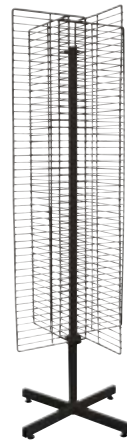
### 4 Way Stand

4WS • 1580H x 305D x 305L (mm)  
Black



### X Stand

XS • 1570H x 300D x 300L (mm)  
Black



### Book Stand Square

BKS-BK • 1600H x 610D x 610L (mm)  
Black



### Brochure Stand

BCS-BK • 1600H x 230D x 230L (mm)  
Black



### 7-tier Hook Stand

7HS • 1620H (mm)  
Black | White





# MATERIAL HANDLING EQUIPMENTS

Page 132 - 168

## IDEAL FOR SPACE



# METAL PLATFORM TROLLEY

## 200KG



| Product      |                | Platform Trolley without Handle        | Fixed Handle Platform Trolley | Foldable Handle Platform Trolley |
|--------------|----------------|----------------------------------------|-------------------------------|----------------------------------|
| Product code |                | KMT 104                                | KMT 114                       | KMT 134                          |
| Dimension    | mm             | 480W x 740L x 145H                     | 480W x 740L x 845H            | 480W x 740L x 845H               |
| Capacity     | kg             | 200                                    |                               |                                  |
| Castor wheel | mm             | Ø100 Grey TPR wheel 2 swivel & 2 rigid |                               |                                  |
| Net Weight   | kg             | 8                                      | 11.6                          | 11.6                             |
| Measurement  | m <sup>3</sup> | 0.046                                  | 0.046                         | 0.046                            |



| Product      |                | 2 Shelf 1 Handle Trolley               | 2 Shelf 2 Handle Trolley | 3 Shelf 1 Handle Trolley |
|--------------|----------------|----------------------------------------|--------------------------|--------------------------|
| Product code |                | KMT 214                                | KMT 224                  | KMT 314                  |
| Dimension    | mm             | 480W x 740L x 895H                     | 480W x 740L x 895H       | 480W x 740L x 905H       |
| Capacity     | kg             | 200                                    |                          |                          |
| Castor wheel | mm             | Ø100 Grey TPR wheel 2 swivel & 2 rigid |                          |                          |
| Net Weight   | kg             | 19                                     | 19                       | 24.5                     |
| Measurement  | m <sup>3</sup> | 0.051                                  | 0.051                    | 0.06                     |



| Product      |                | 3 Shelf 2 Handle Trolley               | 2 Shelf Trolley with Ledge | 3 Shelf Trolley with Ledge |
|--------------|----------------|----------------------------------------|----------------------------|----------------------------|
| Product code |                | KMT 324                                | KMT 254                    | KMT 354                    |
| Dimension    | mm             | 480W x 740L x 905H                     | 480W x 740L x 895H         | 480W x 740L x 905H         |
| Capacity     | kg             | 200                                    |                            |                            |
| Castor wheel | mm             | Ø100 Grey TPR wheel 2 swivel & 2 rigid |                            |                            |
| Net Weight   | kg             | 24.5                                   | 20.5                       | 27                         |
| Measurement  | m <sup>3</sup> | 0.05                                   | 0.088                      | 0.117                      |



## METAL PLATFORM TROLLEY

# 200KG



10)



11)

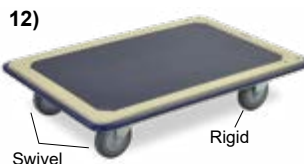
| Product      |    | Full Iron Net Trolley                    | 2 Shelf Trolley with Iron Net |
|--------------|----|------------------------------------------|-------------------------------|
| Product code |    | KMT 174                                  | KMT 274                       |
| Dimension    | mm | 480W x 740L x 850H                       | 480W x 740L x 1050H           |
| Capacity     | kg | 200                                      |                               |
| Castor wheel | mm | Ø100mm Grey TPR wheel 2 swivel & 2 rigid |                               |
| Net weight   | kg | 20                                       | 27.6                          |
| Measurement  | m³ | 0.068                                    | 0.083                         |

## METAL PLATFORM TROLLEY

# 300KG



Reinforced Double U Steel Bar to strengthen platform solidity.



12)

Swivel

Rigid



13)



14)

| Product      |    | Platform Trolley without Handle          | Fixed Handle Platform Trolley | Foldable Handle Platform Trolley |
|--------------|----|------------------------------------------|-------------------------------|----------------------------------|
| Product code |    | KMT 105                                  | KMT 115                       | KMT 135                          |
| Dimension    | mm | 590W x 890L x 180H                       | 590W x 890L x 840H            | 590W x 890L x 840H               |
| Capacity     | kg | 300                                      |                               |                                  |
| Castor wheel | mm | Ø125mm Grey TPR wheel 2 swivel & 2 rigid |                               |                                  |
| Net weight   | kg | 15.5                                     | 19                            | 19                               |
| Measurement  | m³ | 0.074                                    | 0.074                         | 0.074                            |

### ACCESSORIES



**KBS 05**  
Platform Trolley Brake System



15)



16)



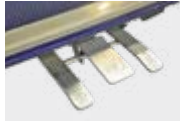
17)

| Product      |    | 2 Shelf 1 Handle Trolley                 | 2 Shelf 2 Handle Trolley | 3 Shelf 1 Handle Trolley |
|--------------|----|------------------------------------------|--------------------------|--------------------------|
| Product code |    | KMT 215                                  | KMT 225                  | KMT 315                  |
| Dimension    | mm | 590W x 890L x 945H                       | 590W x 890L x 945H       | 590W x 890L x 965H       |
| Capacity     | kg | 300                                      |                          |                          |
| Castor wheel | mm | Ø125mm grey TPR wheel 2 swivel & 2 rigid |                          |                          |
| Net weight   | kg | 31                                       | 31                       | 42                       |
| Measurement  | m³ | 0.097                                    | 0.097                    | 0.111                    |

## METAL PLATFORM TROLLEY

# 300KG

### ACCESSORIES



**KBS 05**  
Platform Trolley Brake  
System



18)



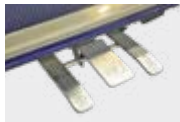
19)



20)

| Product      |                | 3 Shelf 2 Handle Trolley                 | 2 Shelf Trolley with Ledge | 3 Shelf Trolley with Ledge |
|--------------|----------------|------------------------------------------|----------------------------|----------------------------|
| Product code |                | <b>KMT 325</b>                           | <b>KMT 255</b>             | <b>KMT 355</b>             |
| Dimension    | mm             | 590W x 890L x 965H                       | 590W x 890L x 945H         | 590W x 890L x 965H         |
| Capacity     | kg             | 300                                      |                            |                            |
| Castor wheel | mm             | Ø125mm grey TPR wheel 2 swivel & 2 rigid |                            |                            |
| Net weight   | kg             | 42                                       | 32.5                       | 44.5                       |
| Measurement  | m <sup>3</sup> | 0.111                                    | 0.15                       | 0.194                      |

### ACCESSORIES



**KBS 05**  
Platform Trolley Brake  
System



21)



22)



23)



24)

| Product      |                | Full Iron Net Trolley                    | Platform Trolley with Side Rail | 2 Shelf Trolley with Cage | 2 Shelf Trolley with Iron Net |
|--------------|----------------|------------------------------------------|---------------------------------|---------------------------|-------------------------------|
| Product code |                | <b>KMT 175</b>                           | <b>KMT 185</b>                  | <b>KMT 285</b>            | <b>KMT 275</b>                |
| Dimension    | mm             | 590W x 890L x 920H                       | 590W x 890L x 880H              | 590W x 890L x 945H        | 590W x 890L x 1100H           |
| Capacity     | kg             | 300                                      |                                 |                           |                               |
| Castor wheel | mm             | Ø125mm grey TPR wheel 2 swivel & 2 rigid |                                 |                           |                               |
| Net weight   | kg             | 30                                       | 22.4                            | 31                        | 40                            |
| Measurement  | m <sup>3</sup> | 0.1                                      | 0.087                           | 0.097                     | 0.112                         |

## METAL PLATFORM TROLLEY

# 400KG



25)

Swivel

Rigid



26)



27)

| Product      |                | 1 Fixed Handle Platform Trolley          | 2 Fixed Handle Platform Trolley | Foldable Handle Platform Trolley |
|--------------|----------------|------------------------------------------|---------------------------------|----------------------------------|
| Product code |                | <b>KMT 116</b>                           | <b>KMT 126A</b>                 | <b>KMT 136</b>                   |
| Dimension    | mm             | 770W x 1235L x 815H                      | 790W x 1250L x 815H             | 770W x 1235L x 815H              |
| Capacity     | kg             | 400                                      |                                 |                                  |
| Castor wheel | mm             | Ø150mm grey TPR wheel 2 swivel & 2 rigid |                                 |                                  |
| Net weight   | kg             | 39.5                                     | 47.2                            | 43                               |
| Measurement  | m <sup>3</sup> | 0.138                                    | 0.198                           | 0.19                             |



## METAL PLATFORM TROLLEY 400KG



| Product      |                | Full Iron Net Trolley                  | Platform Trolley with Side Rail | Platform Trolley with End Gate |
|--------------|----------------|----------------------------------------|---------------------------------|--------------------------------|
| Product code |                | KMT 176                                | KMT 186                         | KMT 196                        |
| Dimension    | mm             | 770W x 1235L x 970H                    | 770W x 1235L x 845H             | 770W x 1235L x 1270H           |
| Capacity     | kg             | 400                                    |                                 |                                |
| Castor wheel | mm             | Ø150 Grey TPR wheel 2 swivel & 2 rigid |                                 |                                |
| Net weight   | kg             | 48                                     | 45.5                            | 43                             |
| Measurement  | m <sup>3</sup> | 0.20                                   | 0.20                            | 0.20                           |

## METAL PLATFORM TROLLEY 500KG



| Product      |                | 1 Fixed Handle Platform Trolley        | 2 Fixed Handle Platform Trolley | Foldable Handle Platform Trolley |
|--------------|----------------|----------------------------------------|---------------------------------|----------------------------------|
| Product code |                | KMT 118                                | KMT 128A                        | KMT 138                          |
| Dimension    | mm             | 770W x 1235L x 850H                    | 790W x 1250L x 860H             | 770W x 1235L x 875H              |
| Capacity     | kg             | 500                                    |                                 |                                  |
| Castor wheel | mm             | Ø200 Grey TPR wheel 2 swivel & 2 rigid |                                 |                                  |
| Net weight   | kg             | 42.5                                   | 49                              | 46                               |
| Measurement  | m <sup>3</sup> | 0.138                                  | 0.198                           | 0.19                             |

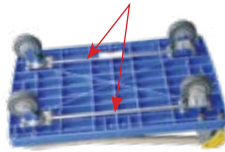


| Product      |                | Full Iron Net Trolley                    | Platform Trolley with Side Rail | Platform Trolley with End Gate |
|--------------|----------------|------------------------------------------|---------------------------------|--------------------------------|
| Product code |                | KMT 178                                  | KMT 188                         | KMT 198                        |
| Dimension    | mm             | 770W x 1235L x 1030H                     | 770W x 1235L x 905H             | 770W x 1235L x 1330H           |
| Capacity     | kg             | 500                                      |                                 |                                |
| Castor wheel | mm             | Ø200mm Grey TPR wheel 2 swivel & 2 rigid |                                 |                                |
| Net weight   | kg             | 57                                       | 53.5                            | 51                             |
| Measurement  | m <sup>3</sup> | 0.20                                     | 0.20                            | 0.20                           |

## PVC PLATFORM TROLLEY

# 150KG-200KG

Reinforced steel bar  
underside to strengthen  
platform solidness.



**LOAD CAPACITY**  
Enhance to  
**200KG**



| Product      |    | Foldable Handle PVC Platform Trolley     | PVC 2 Shelf 1 Handle Trolley |
|--------------|----|------------------------------------------|------------------------------|
| Product code |    | <b>KPT 134</b>                           | <b>KPT 214</b>               |
| Dimension    | mm | 455W x 710L x 880H                       | 455W x 710L x 930H           |
| Capacity     | kg | 200                                      | 150                          |
| Castor wheel | mm | Ø100mm Grey TPR wheel 2 swivel & 2 rigid |                              |
| Net weight   | kg | 10.2                                     | 14.2                         |
| Measurement  | m³ | 0.05                                     | 0.066                        |

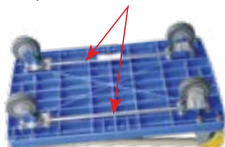


| Product      |    | PVC 2 Shelf 2 Handle Trolley             | PVC 3 Shelf 1 Handle Trolley | PVC 3 Shelf 2 Handle Trolley |
|--------------|----|------------------------------------------|------------------------------|------------------------------|
| Product code |    | <b>KPT 224</b>                           | <b>KPT 314</b>               | <b>KPT 324</b>               |
| Dimension    | mm | 455W x 710L x 930H                       | 455W x 710L x 950H           | 455W x 710L x 950H           |
| Capacity     | kg | 150                                      |                              |                              |
| Castor wheel | mm | Ø100mm Grey TPR wheel 2 swivel & 2 rigid |                              |                              |
| Net weight   | kg | 14.2                                     | 17.7                         | 17.7                         |
| Measurement  | m³ | 0.066                                    | 0.077                        | 0.077                        |

## PVC PLATFORM TROLLEY

# 300KG - 350KG

Reinforced **steel** bar  
underside to strengthen  
platform solidness.



**LOAD CAPACITY**  
Enhance to  
**350KG**



| Product      |    | Foldable Handle PVC Platform Trolley     | PVC 2 Shelf 1 Handle Trolley |
|--------------|----|------------------------------------------|------------------------------|
| Product code |    | <b>KPT 135</b>                           | <b>KPT 215</b>               |
| Dimension    | mm | 609W x 914L x 860H                       | 609W x 914L x 960H           |
| Capacity     | kg | 350                                      | 300                          |
| Castor wheel | mm | Ø125mm Grey TPR wheel 2 swivel & 2 rigid |                              |
| Net weight   | kg | 15.2                                     | 20.8                         |
| Measurement  | m³ | 0.091                                    | 0.12                         |



## PVC PLATFORM TROLLEY

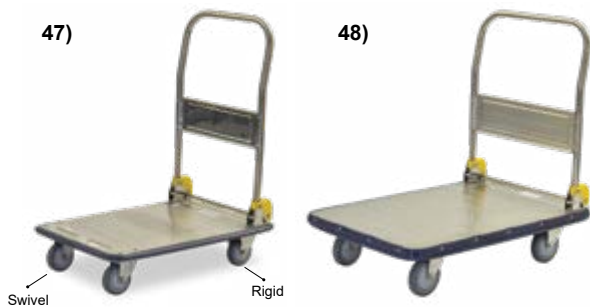
### 300KG - 350KG



| Product      |                | PVC 2 Shelf 2 Handle Trolley             | PVC 3 Shelf 1 Handle Trolley | PVC 3 Shelf 2 Handle Trolley |
|--------------|----------------|------------------------------------------|------------------------------|------------------------------|
| Product code |                | <b>KPT 225</b>                           | <b>KPT 315</b>               | <b>KPT 325</b>               |
| Dimension    | mm             | 609W x 914L x 960H                       | 609W x 914L x 980H           | 609W x 914L x 980H           |
| Capacity     | kg             | 300                                      |                              |                              |
| Castor wheel | mm             | Ø125mm Grey TPR wheel 2 swivel & 2 rigid |                              |                              |
| Net weight   | kg             | 20.8                                     | 26.8                         | 26.8                         |
| Measurement  | m <sup>3</sup> | 0.12                                     | 0.146                        | 0.146                        |

## STAINLESS STEEL PLATFORM TROLLEY

### 200KG - 350KG



| Product      |                | Stainless Steel Platform Trolley                                |                                                                 |
|--------------|----------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| Product code |                | <b>KST 134</b>                                                  | <b>KST 135</b>                                                  |
| Dimension    | mm             | 480W x 735L x 855H                                              | 575W x 870L x 855H                                              |
| Capacity     | kg             | 200                                                             | 350                                                             |
| Castor wheel | mm             | Ø100mm Grey TPR wheel 2 swivel & 2 rigid stainless steel castor | Ø125mm Grey TPR wheel 2 swivel & 2 rigid stainless steel castor |
| Net weight   | kg             | 11.6                                                            | 16.7                                                            |
| Measurement  | m <sup>3</sup> | 0.043                                                           | 0.068                                                           |

## ALUMINIUM EXPANDABLE TROLLEY

### 100KG - 150KG



| Product      |                | Aluminium Expandable Trolley             | 2 Wheels Aluminium Hand Truck |                     |
|--------------|----------------|------------------------------------------|-------------------------------|---------------------|
| Product code |                | <b>KAT 414</b>                           | <b>KAT 316</b>                | <b>KAT 326</b>      |
| Dimension    | mm             | 420W x 720L x 830H                       | 415W x 400L x 1100H           | 415W x 400L x 1100H |
| Capacity     | kg             | 150                                      | 100                           | 120                 |
| Castor wheel | mm             | Ø100mm Grey TPR wheel 2 swivel & 2 rigid | Ø150mm black rubber wheel     |                     |
| Net weight   | kg             | 8.5                                      | 7                             | 7.3                 |
| Meas.        | m <sup>3</sup> | 0.054                                    | 0.06                          | 0.06                |

#### Komada Foldable Hand Truck

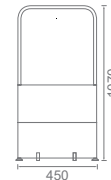
|                    |                     |
|--------------------|---------------------|
| Product code       | <b>FT 5MS</b>       |
| Dimension (mm)     | 390W x 400L x 1000H |
| Foldable size (mm) | 390W x 50L x 630H   |
| Capacity (kg)      | 70                  |
| Material made      | Aluminium alloy     |

## FOOT STOOL 100KG

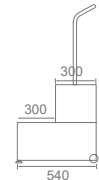
53)



| Product                 |     | Foot Stool       |
|-------------------------|-----|------------------|
| Product code            |     | <b>2SS</b>       |
| Overall height          | mm  | 1070             |
| Width                   | mm  | 450              |
| Overall platform length | mm  | 540              |
| Overall platform height | mm  | 500              |
| Castor wheel            | in. | Ø3" rigid castor |
| Capacity                | kg  | 100              |



FRONT VIEW



SIDE VIEW



## TOOL CABINET TROLLEY

54)



| Product             |    | Tool Cabinet Trolley                              |
|---------------------|----|---------------------------------------------------|
| Product code        |    | <b>TBC 3005</b>                                   |
| Overall             | mm | 665W x 465D x 850H                                |
| Overall with castor | mm | 665W x 465D x 1005H                               |
| Drawer Sx5          | mm | 575W x 395D x 65H                                 |
| Drawer Lx2          | mm | 575W x 395D x 145H                                |
| Castor              | mm | PP Wheel, 2 Swivel<br>2 Rigid, 1 Swivel & 1 Brake |
| Load capacity       | kg | 170                                               |
| Colour              |    | Red                                               |

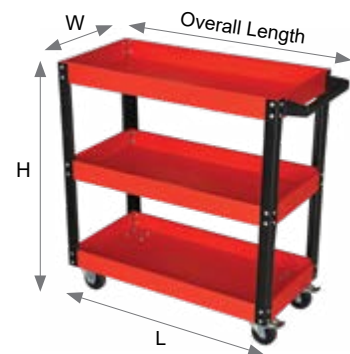
55)



| Product             |    | Tool Cabinet Trolley                              |
|---------------------|----|---------------------------------------------------|
| Product code        |    | <b>TBC 3007</b>                                   |
| Overall             | mm | 665W x 465D x 850H                                |
| Overall with castor | mm | 665W x 465D x 1005H                               |
| Drawer Sx3          | mm | 575W x 395D x 65H                                 |
| Drawer Lx2          | mm | 575W x 395D x 145H                                |
| Castor              | mm | PP Wheel, 2 Swivel<br>2 Rigid, 1 Swivel & 1 Brake |
| Load capacity       | kg | 170                                               |
| Colour              |    | Red                                               |

Product colours depends on stock.

56)



| Product        |    | 3-tier Tool Cart     |
|----------------|----|----------------------|
| Product code   |    | <b>TC 302</b>        |
| Dimension      | mm | 345W x 700L x 760H   |
| Overall length | mm | 775 (include handle) |
| Capacity       | kg | 150                  |

## ELASTIC POLE

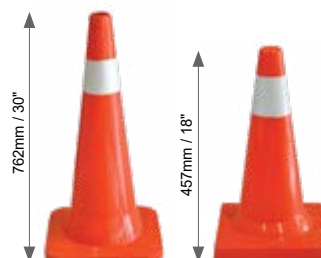


57)

### Komada Elastic Pole

|               |              |
|---------------|--------------|
| Product code  | : <b>ETP</b> |
| Diameter (mm) | : Ø80        |
| Height (mm)   | : 780        |

## SAFETY CONE



58)

### Komada Safety Cone

|              |                |
|--------------|----------------|
| Product code | : <b>SC 18</b> |
| Height (mm)  | : 457          |

|              |                |
|--------------|----------------|
| Product code | : <b>SC 30</b> |
| Height (mm)  | : 762          |



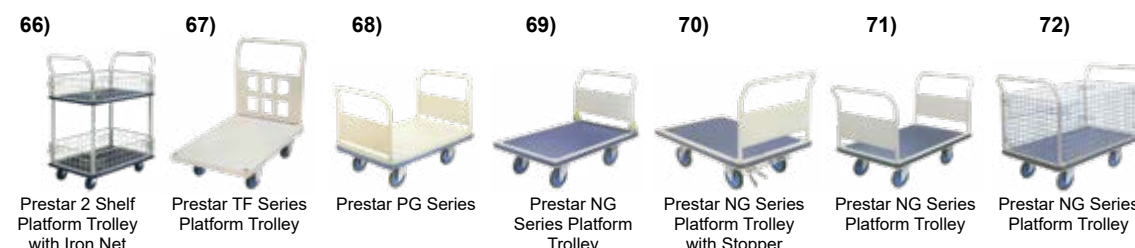
## Metal Trolley



| Product code |    | NB 101 (F)      | NB S101 (F)     | NB 104          | NB 114          | NB 105          | NB 115          | NB 107          |
|--------------|----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| W x L x H    | mm | 480 x 740 x 895 | 480 x 740 x 895 | 480 x 740 x 850 | 480 x 740 x 850 | 480 x 740 x 850 | 480 x 740 x 850 | 480 x 740 x 890 |
| Capacity     | kg | 150             | 150             | 150             | 150             | 150             | 150             | 150             |

| Product code |    | NF 301 (F)      | NF S301 (F)     | NF 304          | NF 314          | NF 305          | NF 315          | NF 307          |
|--------------|----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| W x L x H    | mm | 610 x 910 x 900 | 610 x 910 x 900 | 610 x 910 x 950 | 610 x 910 x 950 | 610 x 805 x 970 | 610 x 910 x 970 | 610 x 910 x 900 |
| Capacity     | kg | 300             | 300             | 300             | 300             | 300             | 300             | 300             |

## Metal Trolley



| Product code |    | NB 127          | TF 402          | PG 502           | NG 401 (F)       | NG S401 (F)      | NG 403           | NG 407           |
|--------------|----|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|
| W x L x H    | mm | 440 x 680 x 985 | 600 x 855 x 855 | 775 x 1160 x 860 | 790 x 1100 x 845 | 790 x 1100 x 845 | 790 x 1050 x 830 | 750 x 1200 x 950 |
| Capacity     | kg | 150             | 400             | 600              | 400              | 400              | 400              | 400              |

| Product code |    | NF 327           | TF 403          | PG 503           | NG 402           | NG S402          |
|--------------|----|------------------|-----------------|------------------|------------------|------------------|
| W x L x H    | mm | 610 x 910 x 1070 | 600 x 900 x 895 | 775 x 1225 x 860 | 790 x 1240 x 830 | 790 x 1240 x 830 |
| Capacity     | kg | 300              | 400             | 600              | 400              | 400              |

Remarks: (F) = Foldable Handle

## PVC Trolley



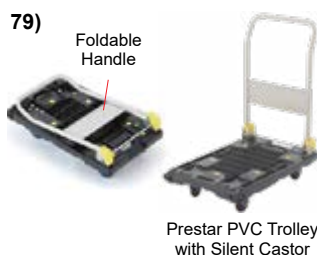
| Product code |    | PB 100G     | PB 101G         | PB S101G | PB 104G         | PB 105G         | PB 114G         | PB 115G         |
|--------------|----|-------------|-----------------|----------|-----------------|-----------------|-----------------|-----------------|
| W x L x H    | mm | 455W x 710L | 455 x 710 x 905 |          | 455 x 710 x 860 | 455 x 710 x 865 | 455 x 710 x 860 | 455 x 710 x 865 |
| Capacity     | kg | 150         | 150             |          | 150             | 150             | 150             | 150             |

| Product code |    | PF 300G     | PF 301G         | PF S301G | PF 304G         | PF 305G         | PF 314G         | PF 315G         |
|--------------|----|-------------|-----------------|----------|-----------------|-----------------|-----------------|-----------------|
| W x L x H    | mm | 600W x 900L | 600 x 900 x 905 |          | 600 x 900 x 950 | 600 x 900 x 970 | 600 x 900 x 950 | 600 x 900 x 970 |
| Capacity     | kg | 300         | 300             |          | 300             | 300             | 300             | 300             |

S - Stopper

150kg - 4" castor wheel, 300kg - 400kg - 5" castor wheel, 600kg - 8" castor wheel

## PVC Trolley



Prestar PVC Trolley with Silent Castor

## Slim Cart



Prestar 4 Wheel Slim Cart

Prestar 6 Wheel Slim Cart

Prestar 6 Wheel Slim Cart with Shelf

| Product code |    | PM 201 P        | 4SNS303           | 6SC503            | 6SC503-WS         |
|--------------|----|-----------------|-------------------|-------------------|-------------------|
| W x L x H    | mm | 790 x 505 x 900 | 480 x 1020 x 1650 | 445 x 1277 x 1500 | 445 x 1277 x 1500 |
| Capacity     | kg | 200             | 300               | 500               | 500               |
| Remarks      |    | -               | With brake        | Without brake     | Without brake     |

## Work Tainer



| Product code |     | WTP110-80         |
|--------------|-----|-------------------|
| W x L x H    | mm  | 800 x 1100 x 1700 |
| Capacity     | kg  | 500               |
| Castor wheel | in. | Ø6" rubber wheel  |
| N.W.         | kg  | 54                |

\* Materials & specifications are subject to change without prior notice.

## SLIM CART 350KG



| Product            |     | 6 Wheel Nestable Slim Cart with Brake                 | 6 Wheel Slim Cart with Brake                          |
|--------------------|-----|-------------------------------------------------------|-------------------------------------------------------|
| Product code       |     | <b>NC501-BS</b>                                       | <b>ND503-BS</b>                                       |
| External dimension | mm  | 430W x 1290L x 1550H                                  | 425W x 1300L x 1510H                                  |
| Internal dimension | mm  | 420W x 1125L x 1300H                                  | 420W x 1165L x 1300H                                  |
| Castor wheel       | in. | 4 x Ø4" swivel (front & back), 2 x Ø5" rigid (middle) | 4 x Ø4" swivel (front & back), 2 x Ø5" rigid (middle) |
| Capacity           | kg  | 350                                                   | 350                                                   |

## WORK TAINER 500KG



| Product      |    | Work Tainer                                 | Work Tainer with Swinging Door |
|--------------|----|---------------------------------------------|--------------------------------|
| Product code |    | <b>SWT 500PR</b>                            | <b>STD 500PR</b>               |
| Dimension    | mm | 790W x 1080L x 1700H                        | 790W x 1080L x 1700H           |
| Capacity     | kg | 500                                         | 500                            |
| Castor wheel |    | Ø150mm press rubber 2 swivel & 2 side brake |                                |
| Net weight   | kg | 49                                          | 66                             |

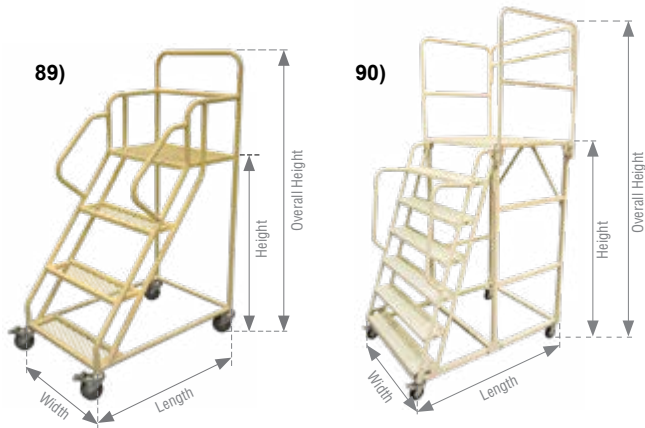
### Komada Work Tainer Shelf

Product code : **WTS 7201100**  
 Dimension (mm) : 720W x 1100L  
 Capacity (kg) : 50



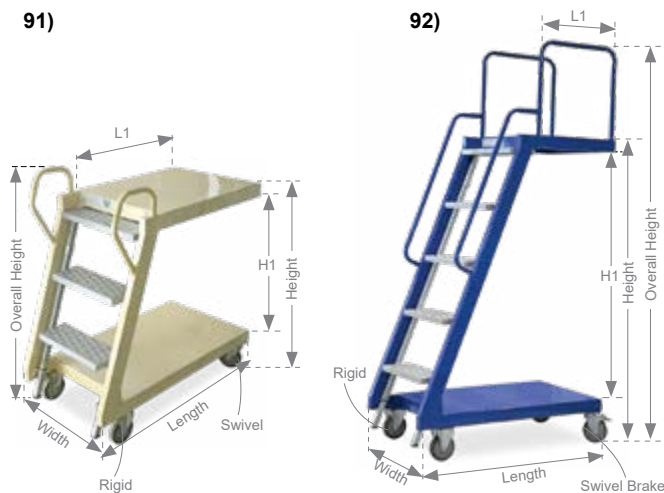


## PLATFORM ORDER PICKER 300KG



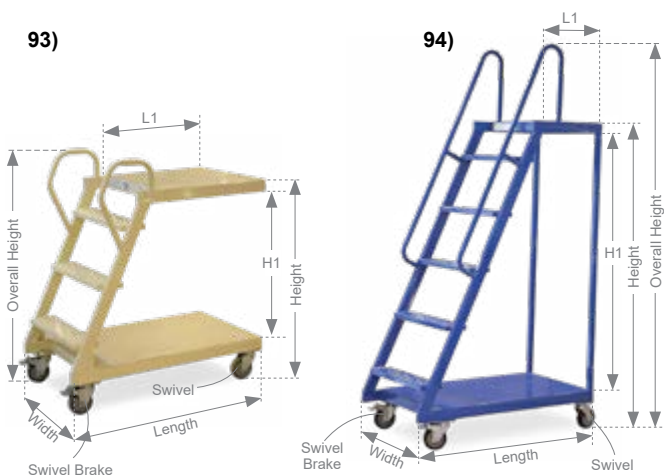
| Product code   |                | POP 4M                            | POP 7                          |
|----------------|----------------|-----------------------------------|--------------------------------|
| Width          | mm             | 630                               | 965                            |
| Length         | mm             | 970                               | 1310                           |
| Height         | mm             | 985                               | 1605                           |
| Overall height | mm             | 1485<br>(include castor wheel)    | 2400<br>(include castor wheel) |
| Ladder step    |                | 4                                 | 7                              |
| Castor wheel   | in.            | Ø4" castor wheel 2 swivel 2 rigid |                                |
| Capacity       | kg             | 300                               | 300                            |
| Net weight     | kg             | 22                                | 64                             |
| Measurement    | m <sup>3</sup> | 0.91                              | 0.32                           |

## LADDER TROLLEY



| Product        |     | Ladder Trolley                                           |              |
|----------------|-----|----------------------------------------------------------|--------------|
| Product code   |     | LT 3                                                     | LT 5         |
| Width          | mm  | 560                                                      | 560          |
| Length         | mm  | 1070                                                     | 1070         |
| Height         | mm  | 1025                                                     | 1578         |
| Overall height | mm  | 1150                                                     | 2030         |
| H1             | mm  | 730                                                      | 1285         |
| L1             | mm  | 710                                                      | 480          |
| Net weight     | kg  | 41                                                       | 46           |
| Colour         |     | Beige                                                    | Blue         |
| Ladder step    |     | 3                                                        | 5            |
| Finishing      |     | Epoxy powder coating<br>Electronic zinc plating (ladder) |              |
| Castor wheel   | in. | Ø5" rigid / swivel / swivel brake                        |              |
| Capacity       | kg  | 80 (Top)                                                 | 60 (Top)     |
|                |     | 220 (Bottom)                                             | 240 (Bottom) |

## PICKING TROLLEY



| Product        |     | Picking Trolley           |      |
|----------------|-----|---------------------------|------|
| Product code   |     | SK 3                      | SK 5 |
| Width          | mm  | 510                       | 510  |
| Length         | mm  | 920                       | 1020 |
| Height         | mm  | 890                       | 1505 |
| Overall height | mm  | 1020                      | 1862 |
| H1             | mm  | 650                       | 1270 |
| L1             | mm  | 510                       | 320  |
| Net weight     | kg  | 30                        | 36   |
| Colour         |     | Beige                     | Blue |
| Ladder step    |     | 3                         | 5    |
| Finishing      |     | Epoxy powder coating      |      |
| Castor wheel   | in. | Ø4" swivel / swivel brake |      |
| Capacity       | kg  | 50 (Top), 200 (Bottom)    |      |

## PICKER CART

95)



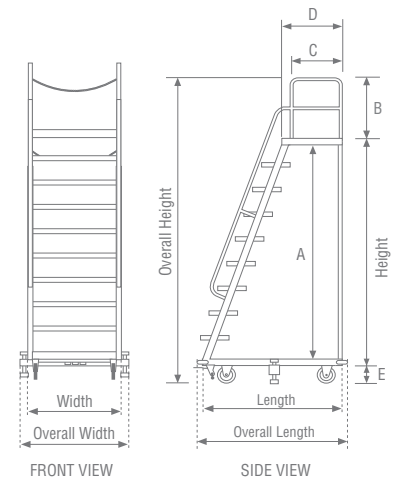
Without extended foot bar



With extended foot bar



| Product code   |     | PC BS 6                     | PC BS 7 | PC BS 8           | PC BS 9 | PC BS 10 | PC BS 11 |
|----------------|-----|-----------------------------|---------|-------------------|---------|----------|----------|
| Ladder step    |     | 6                           | 7       | 8                 | 9       | 10       | 11       |
| Width          | mm  | 765                         |         |                   |         |          |          |
| Overall width  | mm  | 805                         | 805     | 870               | 875     | 880      | 880      |
| Length         | mm  | 1220                        | 1310    | 1425              | 1530    | 1615     | 1702     |
| Overall length | mm  | 1270                        | 1355    | 1465              | 1575    | 1665     | 1750     |
| Height         | mm  | 1685                        | 1985    | 2283              | 2600    | 2885     | 3205     |
| Overall height | mm  | 2750                        | 3050    | 3350              | 3660    | 3940     | 4260     |
| A              | mm  | 1555                        | 1850    | 2150              | 2460    | 2740     | 3065     |
| B              | mm  | 895                         |         |                   |         |          |          |
| C              | mm  | 555                         |         |                   |         |          |          |
| D              | mm  | 680                         | 660     | 660               | 660     | 660      | 660      |
| E              | mm  | 160                         |         |                   |         |          |          |
| Castor wheel   | in. | Ø5" rigid / swivel brake    |         |                   |         |          |          |
| Finishing      |     | Epoxy powder coating        |         |                   |         |          |          |
| Colour         |     | Blue                        |         |                   |         |          |          |
| Capacity       | kg  | 100kg (Top), 200kg (Bottom) |         |                   |         |          |          |
| Remarks        |     | W/O extended foot           |         | C/W extended foot |         |          |          |



Extended foot bar enhance stability.



Double brake system functioned by to step on.



PVC bumper helps to prevent damage.



Safety chain.



## CASTOR WHEEL



| Product code    |     | KMD 4R-TPR                    | KMD 5R-TPR                    | KMD 6R-TPR                    | KMD 8R-TPR                    | KMD 6S-PR                         |
|-----------------|-----|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------------|
| Description     | in. | 4" KMD TPR wheel rigid castor | 5" KMD TPR wheel rigid castor | 6" KMD TPR wheel rigid castor | 8" KMD TPR wheel rigid castor | 6" KMD press rubber swivel castor |
| Dimension       | mm  | Ø100 x 32 x 124 (H)           | Ø125 x 32 x 155 (H)           | Ø150 x 50 x 193 (H)           | Ø200 x 50 x 240 (H)           | Ø150 x 36 x 190 (H)               |
| Load weight/pcs | kg  | 80                            | 110                           | 300                           | 350                           | 200                               |



| Product code    |     | KMD 4S-TPR                     | KMD 5S-TPR                     | KMD 6S-TPR                     | KMD 8S-TPR                     | KMD 6B-PR                             |
|-----------------|-----|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------------|
| Description     | in. | 4" KMD TPR wheel swivel castor | 5" KMD TPR wheel swivel castor | 6" KMD TPR wheel swivel castor | 8" KMD TPR wheel swivel castor | 6" KMD press rubber side brake castor |
| Dimension       | mm  | Ø100 x 32 x 124 (H)            | Ø125 x 32 x 155 (H)            | Ø150 x 50 x 193 (H)            | Ø200 x 50 x 240 (H)            | Ø150 x 36 x 190 (H)                   |
| Load weight/pcs | kg  | 80                             | 110                            | 300                            | 350                            | 200                                   |



| Product code    |     | HR4R                                    | HR4SB                                        | PP4S                   | PP4R               | PP4B               | TPY4HF                                            | TPY4BHF                          |
|-----------------|-----|-----------------------------------------|----------------------------------------------|------------------------|--------------------|--------------------|---------------------------------------------------|----------------------------------|
| Description     | in. | 4" Black Hard Rubber Wheel Rigid Castor | 4" Black Hard Rubber Wheel Side Brake Castor | 4" Swivel PP Castor    | 4" Rigid PP Castor | 4" Brake PP Castor | 4" Hole Fitting TPY Castor                        | 4" Brake Hole Fitting TPY Castor |
| Load weight/pcs | kg  | 50                                      | 50                                           | 70                     | 70                 | 70                 | 80                                                | 80                               |
| Remarks         |     | 3 Tier Tool Cart use.                   |                                              | PP nylon wheel castor. |                    |                    | POP4M Order Picker & Shopping Trolley SH125A use. |                                  |



| Product code    |     | GPU4HF                     | GPU5HF                     | MHSC4S-RPU                   | MHSC4R-RPU                  | MHSC4B-RPU                  | MHSC5S-RPU                               | MHSC5R-RPU                              | MHSC5B-RPU                              |
|-----------------|-----|----------------------------|----------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------------------|-----------------------------------------|-----------------------------------------|
| Description     | in. | 4" hole fitting GPU castor | 5" hole fitting GPU castor | 4" MHSC swivel red PU castor | 4" MHSC rigid red PU castor | 4" MHSC brake red PU castor | 5" MHSC swivel medium duty red PU castor | 5" MHSC rigid medium duty red PU castor | 5" MHSC brake medium duty red PU castor |
| Load weight/pcs | kg  | 80                         | 100                        | 220                          | 220                         | 220                         | 250                                      | 250                                     | 250                                     |
| Remarks         |     | Shopping trolley use.      |                            |                              | Pallet mesh & trolley use.  |                             |                                          |                                         |                                         |



| Thermoplastic Grey Rubber Wheel Castor |     |                                  |                              |                              |                                |                              |                              |
|----------------------------------------|-----|----------------------------------|------------------------------|------------------------------|--------------------------------|------------------------------|------------------------------|
| Product code                           |     | ETHOS4S                          | ETHOS4R                      | ETHOS4B                      | ETHOS5S                        | ETHOS5R                      | ETHOS5B                      |
| Description                            | in. | 4" swivel ETHOS<br>TPR castor    | 4" rigid ETHOS<br>TPR castor | 4" brake ETHOS<br>TPR castor | 5" swivel ETHOS<br>TPR castor  | 5" rigid ETHOS<br>TPR castor | 5" brake ETHOS<br>TPR castor |
| Load weight/pcs                        | kg  | 110                              | 110                          | 110                          | 130                            | 130                          | 130                          |
| Remarks                                |     | Picking trolley SK 3 & SK 5 use. |                              |                              | Ladder trolley LT 3 & LT5 use. |                              |                              |

## CASTOR WHEEL



| Product code    |     | BR5S                          | BR5R                         | BR5B                         | BER5R                               | BER5B                               | KMT5S-HBP                               | KMT5R-HBP                 |
|-----------------|-----|-------------------------------|------------------------------|------------------------------|-------------------------------------|-------------------------------------|-----------------------------------------|---------------------------|
| Description     | in. | 5" swivel black rubber castor | 5" rigid black rubber castor | 5" brake black rubber castor | 5" rigid blue elastic rubber castor | 5" brake blue elastic rubber castor | 5" swivel castor TPR wheel              | 5" rigid castor TPR wheel |
| Load weight/pcs | kg  | 80                            | 80                           | 80                           | 130                                 | 130                                 | 110                                     | 110                       |
| Remarks         |     | -                             |                              |                              |                                     | Picker cart use.                    | HBP 300 (300kg plastic hand truck) use. |                           |



### Cast Iron Red Polyurethane (PU) Wheel Castor (Pallet Mesh use)

| Product code    |     | CI5S                          | CI5R                         | CI5B                         | CI6S                          | CI6R                         | CI6B                         |
|-----------------|-----|-------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|
| Description     | in. | 5" swivel cast iron PU castor | 5" rigid cast iron PU castor | 5" brake cast iron PU castor | 6" swivel cast iron PU castor | 6" rigid cast iron PU castor | 6" brake cast iron PU castor |
| Load weight/pcs | kg  | 250                           | 250                          | 250                          | 300                           | 300                          | 300                          |



### GLOBE Heavy Duty PP Wheel Castor (Pallet Mesh & Trolley use)

| Product code    |     | GE6S-PP                              | GE6R-PP                             | GE6B-PP                             | GE8S-PP                              | GE8R-PP                             | GE8B-PP                             |
|-----------------|-----|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|
| Description     | in. | 6" GLOBE swivel heavy duty PP castor | 6" GLOBE rigid heavy duty PP castor | 6" GLOBE brake heavy duty PP castor | 8" GLOBE swivel heavy duty PP castor | 8" GLOBE rigid heavy duty PP castor | 8" GLOBE brake heavy duty PP castor |
| Load weight/pcs | kg  | 300                                  | 300                                 | 300                                 | 400                                  | 400                                 | 400                                 |



| Product code    |     | PW2T                                                          | PW2TB                            | PW2RS1                            | PW/50/P#                            | GR2HF                       | GR2BHF                            | GR3TSF                                          |
|-----------------|-----|---------------------------------------------------------------|----------------------------------|-----------------------------------|-------------------------------------|-----------------------------|-----------------------------------|-------------------------------------------------|
| Description     | in. | 2" PVC wheel with thread                                      | 2" PVC wheel with thread & brake | 2" PVC wheel with 1" round socket | 2" PVC wheel (without round socket) | 2" grey rubber hole fitting | 2" brake grey rubber hole fitting | 3" grey rubber wheel castor thread stem fitting |
| Load weight/pcs | kg  | 30                                                            | 30                               | 30                                | 30                                  | 35                          | 35                                | 20                                              |
| Remarks         |     | 4WS, XS, CDS, EWPS, AWPS, MR2, T-Stand, NPS, US, SB Tray use. |                                  |                                   | OB1L, OB2L, OB3L use.               | Stackable basket tray use.  |                                   | Shopping basket trolley use.                    |

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#### Load Wheel c/w Bearing

| Product code | Description (mm)        | Load weight (kg) |
|--------------|-------------------------|------------------|
| LPU6595B     | Load PU wheel 65 x 95L  | 800              |
| LPU8060B     | Load PU wheel 80 x 60L  | 800              |
| LPU8075B     | Load PU Wheel 80 x 75L  | 750 / 800        |
| LPU8093B-RD  | Load PU wheel 80 x 93L  | 800              |
| LPU80100B    | Load PU wheel 80 x 100L | 800              |

Hand pallet truck use.

154)

#### Steering Wheel c/w Bearing

| Product code | Description (mm)            | Load weight (kg) |
|--------------|-----------------------------|------------------|
| SPU15050B    | Steering PU wheel 150 x 50L | 800              |
| SPU18050B    | Steering PU wheel 180 x 50L | 800              |
| SPU18060B    | Steering PU wheel 180 x 60L | 800              |
| SPU18070B    | Steering PU wheel 180 x 70L | 800              |
| SPU20050B    | Steering PU wheel 200 x 50L | 800              |

Hand pallet truck use.



# FULLY POWERED HAND PALLET TRUCK



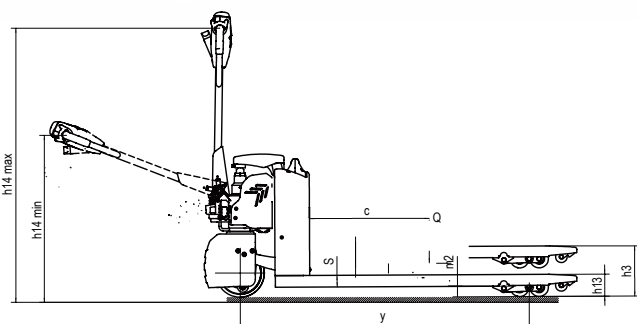
CBD20-E operating handle



CBD15-E operating handle



The special fixed structure is used to raise the battery to prevent collision.



| Product code                                       |       | CBD15-E               |       | CBD20-E |       |       |  |
|----------------------------------------------------|-------|-----------------------|-------|---------|-------|-------|--|
| Drive type                                         |       | Electric              |       |         |       |       |  |
| Manner of operation                                |       | Tramp type            |       |         |       |       |  |
| Load capacity (Q)                                  | kg    | 1500                  |       | 2000    |       |       |  |
| Load centre (c)                                    | mm    | 600                   |       |         |       |       |  |
| Distance between fork backrest and front (x)       | mm    | 944                   |       |         |       |       |  |
| Wheel base (y)                                     | mm    | 1243                  |       |         |       |       |  |
| Service weight (without battery)                   | mm    | 137                   |       | 146     |       |       |  |
| Tire material                                      |       | PU                    |       |         |       |       |  |
| Driving wheel                                      | mm    | Ø210 x 70             |       |         |       |       |  |
| Bearing wheel                                      | mm    | Ø80 x 60              |       |         |       |       |  |
| Qty of wheel, Front / Rear (x=driving wheel)       |       | 1x/4                  |       |         |       |       |  |
| Tread (b11)                                        | mm    | 535                   |       |         |       |       |  |
| Lifting height (h3)                                | mm    | 200                   |       |         |       |       |  |
| Height of handle in operation position (h14)       | mm    | 740/1160              |       |         |       |       |  |
| Lowered fork height (h13)                          | mm    | 85                    |       |         |       |       |  |
| Overall length (l1)                                | mm    | 1603                  |       |         |       |       |  |
| Body length (l2)                                   | mm    | 453                   |       |         |       |       |  |
| Overall width (b1 / b2)                            | mm    | 685                   |       |         |       |       |  |
| Fork size (s/e/l)                                  | mm    | 50/150/1150           |       |         |       |       |  |
| Fork width (b5)                                    | mm    | 685                   |       |         |       |       |  |
| Ground clearance under mast (m2)                   | mm    | 35                    |       |         |       |       |  |
| Aisle width for pallets 1000*1200 crossways (Ast)  | mm    | 1804                  |       |         |       |       |  |
| Aisle width for pallets 1000*1200 lengthways (Ast) | mm    | 1854                  |       |         |       |       |  |
| Turning radius                                     | Wa    | 1398                  |       |         |       |       |  |
| Driving speed (load/unload)                        | km/h  | 4.2/4.5               |       |         |       |       |  |
| Maximum gradeability (load/unload)                 | %     | 5/10                  |       |         |       |       |  |
| Brake type                                         |       | Electromagnetic brake |       |         |       |       |  |
| Drive motor                                        | kW    | 0.75                  |       |         |       |       |  |
| Lift motor                                         | kW    | 0.8                   |       |         |       |       |  |
| Battery (according to DIN 43531/35/36)             |       | No                    |       |         |       |       |  |
| Battery voltage / rate capacity                    | V/Ah  | 24/20                 | 24/30 | 24/40   | 48/15 | 48/20 |  |
| Battery weight (±5%)                               | kg    | 5.5                   | 7.0   | 8.2     | 7.0   | 8.2   |  |
| Type of drive control                              |       | DC                    |       |         |       |       |  |
| Noise level                                        | dB(A) | ≤70                   |       |         |       |       |  |
| Steering type                                      |       | Mechanical            |       |         |       |       |  |

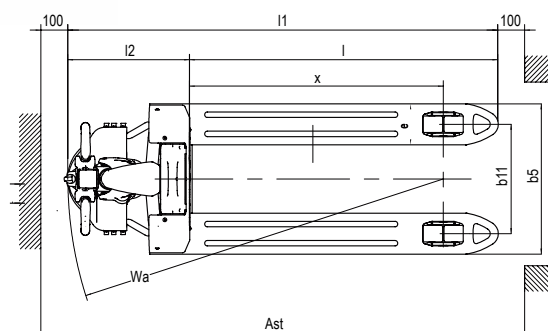
Product colours depends on stock: red / yellow.



CBD15-E

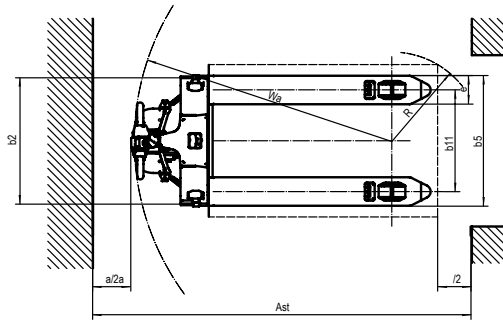
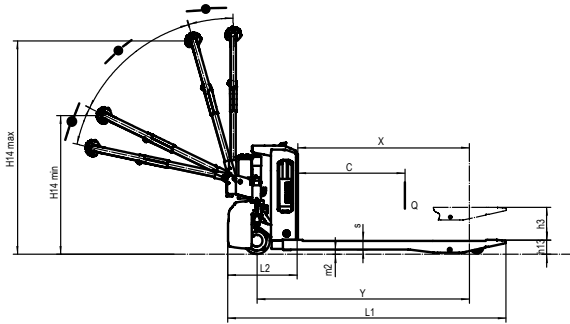


CBD20-E



156)

**KOMADA FF15-E** brings maximum flexibility in configurations for every application. The standard single 24V/20Ah battery setting comes with a portable storage container to keep everything easily accessible on the go. Its versatility makes FF15-E an all rounder, perfect for diverse tasks in the most cost effective way.



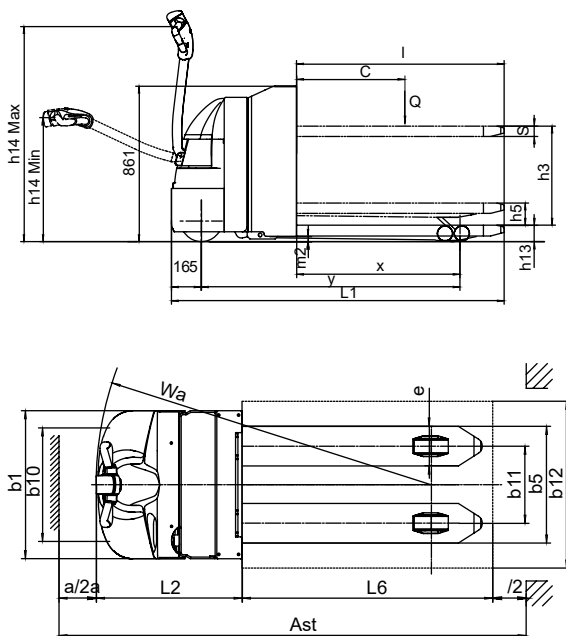
## FULLY POWERED HAND PALLET TRUCK

| Product code                                          |       | FF15-E                         |
|-------------------------------------------------------|-------|--------------------------------|
| Drive type                                            |       | Electric                       |
| Operator type                                         |       | Pedestrian                     |
| Load capacity (Q)                                     | kg    | 1500                           |
| Load centre distance (c)                              | mm    | 600                            |
| Load distance, centre of drive axle to fork (x)       | mm    | 950                            |
| Wheel base (y)                                        | mm    | 1180                           |
| Service Weight                                        |       |                                |
| Service weight                                        | kg    | 120                            |
| Axle loading, laden front / rear                      | kg    | 480 / 1140                     |
| Axle loading, unladen front / rear                    | kg    | 90 / 30                        |
| Tyres/chassis                                         |       |                                |
| Tyre type                                             |       | Polyurethane                   |
| Tyre size, front                                      | mm    | 210 x 70                       |
| Tyre size, rear                                       | mm    | 80 x 60                        |
| Additional wheel (castor wheels)                      | mm    | 74 x 30                        |
| Wheels, number front / rear (x=drive wheels)          | mm    | 1x, -/4                        |
| Tread width, front (b10)                              | mm    | -                              |
| Tread width, rear (b11)                               | mm    | 410 (535)                      |
| Dimensions                                            |       |                                |
| Fork dimension                                        | mm    | 1150 x 685                     |
| Fork lowered height                                   | mm    | 80                             |
| Drive cover off the ground                            | mm    | 55                             |
| Lift height (h3)                                      | mm    | 105                            |
| Height of tiller handle in drive position min. / max. | mm    | 750 / 1190                     |
| Lowered height (h13)                                  | mm    | 88                             |
| Overall length (l1)                                   | mm    | 1550                           |
| Length to face of forks (l2)                          | mm    | 400                            |
| Overall width (b1 / b2)                               | mm    | 590 (695)                      |
| Fork dimensions (s/ e/ l)                             | mm    | 55/ 150/ 1150                  |
| Distance between fork arms (b5)                       | mm    | 560 (685)                      |
| Ground clearance, center of wheel base (m2)           | mm    | 25                             |
| Aisle width for pallets 1000 x 1200 crossways (Ast)   | mm    | 2160                           |
| Aisle width for pallets 800 x 1200 lengthways (Ast)   | mm    | 2025                           |
| Turning radius (Wa)                                   | mm    | 1360                           |
| Performance Data                                      |       |                                |
| Travel speed, laden / unladen                         | km/h  | 4/4.5                          |
| Lifting speed, laden / unladen                        | m/s   | 0.017 / 0.020                  |
| Lowering speed, laden / unladen                       | m/s   | 0.058 / 0.046                  |
| Max. gradeability, laden / unladen                    | %     | 6/16                           |
| Service brake                                         |       | Electromagnetic                |
| Electric-Engine                                       |       |                                |
| Drive motor rating S2 60 min                          | kW    | 0.75                           |
| Lift motor rating at S3 15%                           | kW    | 0.5                            |
| Battery voltage / nominal capacity                    | V/Ah  | 24/20                          |
| Battery weight                                        | kg    | 5                              |
| Energy consumption according to DIN EN 16796          | kWh/h | 0.18                           |
| Turnover output according to VDI 2198                 | t/h   | 60                             |
| Turnover efficiency according to VDI 2198             | t/kWh | 333.33                         |
| Additional Data                                       |       |                                |
| Type of drive control                                 |       | DC                             |
| Steering design                                       |       | Mechanical                     |
| Sound pressure level at the driver's ear              | dB(A) | 74                             |
| Load wheel material                                   |       | PU                             |
| Drive wheel material                                  |       | PU                             |
| Battery capacity                                      |       | 20Ah x 1, portable storage box |
| Battery Indicator                                     |       | Without time                   |



# FULLY POWERED HAND PALLET TRUCK

157)

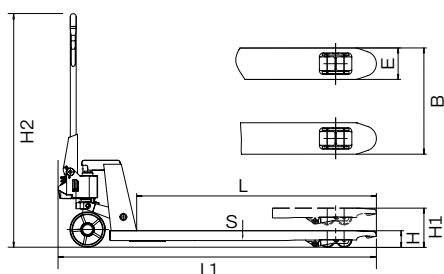


|                                                         |        |                    |
|---------------------------------------------------------|--------|--------------------|
| Product code                                            |        | <b>EPT20-20Wai</b> |
| Drive unit                                              |        | Electrics          |
| Operator type                                           |        | Pedestrian         |
| Rated capacity (Q)                                      | kg     | 2000               |
| Load center distance (c)                                | mm     | 600                |
| Load distance (x)                                       | mm     | 905                |
| Wheel base (y)                                          | mm     | 1441               |
| <b>Weight</b>                                           |        |                    |
| Service weight (include battery)                        | kg     | 625                |
| Axle loading, laden driving side/loading side           | kg     | 910/1715           |
| Axle loading, unladen driving side/loading side         | kg     | 420/205            |
| <b>Types Chassis</b>                                    |        |                    |
| Tyre type driving wheels/loading wheels                 |        | PU/PU              |
| Tyre size, driving wheels (diameter x width)            | mm     | Ø230x75            |
| Tyre size, loading wheels (diameter x width)            | mm     | Ø85x70             |
| Tyre size, caster wheels (diameter x width)             | mm     | Ø85x48             |
| Wheels, number driving, caster/loading (x=drive wheels) | mm     | 1x +2/4            |
| Track width, front, driving side                        | mm     | 498                |
| Track width, rear, loading side                         | mm     | 366                |
| <b>Dimensions</b>                                       |        |                    |
| Lift (h3)                                               | mm     | 540                |
| Initial lift (h5)                                       | mm     | 120                |
| Height drawbar in driving position min./max. (h14)      | mm     | 715/1200           |
| Lowered height (h13)                                    | mm     | 95                 |
| Overall length (l1)                                     | mm     | 1850               |
| Length to face of forks (l1)                            | mm     | 694                |
| Overall width (b1/ b2)                                  | mm     | 710                |
| Fork dimensions (s/ e/ l)                               | mm     | 60/190/1150        |
| Outside width of the forks (b5)                         | mm     | 560                |
| Ground clearance, center of wheelbase (m2)              | mm     | 30                 |
| Aisle width for pallets 1000 x 1200 crossways (Ast)     | mm     | 1913               |
| Aisle width for pallets 800 x 1200 lengthways (Ast)     | mm     | 2113               |
| Turning radius (Wa)                                     | mm     | 1615               |
| <b>Performance Data</b>                                 |        |                    |
| Travel speed, laden/ unladen                            | km/h   | 5/5.5              |
| Support arm lifting speed, laden/ unladen               | m/ s   | 0.024/0.025        |
| Mast lifting speed, laden/ unladen                      | m/ s   | 0.07/0.121         |
| Support arm lowering speed, laden/ unladen              | %      | 0.050/0.032        |
| Mast lowering speed, laden/ unladen                     |        | 0.13/0.1           |
| Max. gradeability, laden/ unladen                       |        | 8/16               |
| Service brake type                                      |        | Electromagnetic    |
| <b>Electric Engine</b>                                  |        |                    |
| Drive motor rating S2 60 min                            | kW     | 1.27               |
| Lift motor rating at S3 15%                             | kW     | 0.84               |
| The maximum allowed size battery                        | mm     | 650x150x625        |
| Battery voltage/ nominal capacity K5                    | V/Ah   | 24/150             |
| Battery weight                                          | kg     | 140                |
| <b>Addition Data</b>                                    |        |                    |
| Type of drive unit                                      |        | AC                 |
| Steering type                                           |        | mechanical         |
| Sound pressure level at the driver's ear                | dB (A) | 74                 |

## Rated Capacities Graph

|  |               | Lift Height (mm) | Capacity (kg) |
|--|---------------|------------------|---------------|
|  | Mast Fork A   | 630              | 650           |
|  | Support Arm B | 210              | A+B≤2000      |

158)



### RZ Series Hand Pallet Truck

| Product code               |    | RZ 25N     | RZ 25     | RZ 30N    | RZ 30     |
|----------------------------|----|------------|-----------|-----------|-----------|
| Capacity                   | kg | 2500       | 2500      | 3000      | 3000      |
| Min. fork height (H)       | mm | 85         | 85        | 85        | 85        |
| Max. fork height (H1)      | mm | 190 / 200  | 190 / 200 | 190 / 200 | 190 / 200 |
| Max. lifting height        | mm | ≥110       |           |           |           |
| Fork outside width (B)     | mm | 540        | 685       | 540       | 685       |
| Fork inside width          | mm | 220        | 365       | 220       | 365       |
| Fork length (L)            | mm | 1150       | 1220      | 1150      | 1220      |
| Single fork size (E) x (S) | mm | 160 x 50   |           |           |           |
| Overall length (L1)        | mm | 1315-1620  |           |           |           |
| Overall width              | mm | 540        | 685       | 540       | 685       |
| Overall height (H2)        | mm | 1245       |           |           |           |
| Single load wheel          | mm | Ø80 x 93   |           |           |           |
| Steering wheel             | mm | Ø180 x 50  |           |           |           |
| Material of wheel          |    | PU / Nylon |           |           |           |

Product colours depends on stock: red / yellow.

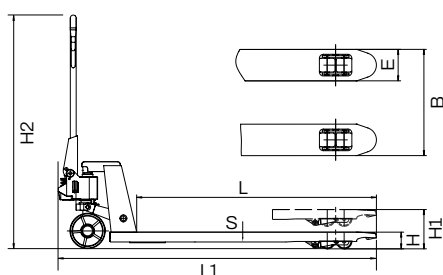
- 3 position control handle.
- Casting steel pump with safety overload & bypass system.
- Entry & exit rollers.
- Top balanceable reinforced fork frame.
- Solid steel lifting rods for extra strength.
- Options: nylon wheel, polyurethane wheel, rubber wheel single fork load wheel or tandem fork load wheel.

159)

### Low Profile Hand Pallet Truck

| Product code               |    | RZ 20LPN   | RZ 20LP   |
|----------------------------|----|------------|-----------|
| Capacity                   | kg | 2000       | 2000      |
| Min. fork height (H)       | mm | 52         |           |
| Max. fork height (H1)      | mm | 140 / 160  | 190 / 200 |
| Max. lifting height        | mm | 88 / 95    | ≥110      |
| Fork outside width (B)     | mm | 685        |           |
| Fork inside width          | mm | 200        |           |
| Fork length (L)            | mm | 1220       |           |
| Single fork size (E) x (S) | mm | 160 x 37   | 160 x 50  |
| Overall length (L1)        | mm | 1315-1620  |           |
| Overall width              | mm | 520        |           |
| Overall height (H2)        | mm | 1225       | 1245      |
| Single loading wheel       | mm | Ø50 x 93   |           |
| Steering wheel             | mm | Ø160 x 50  | Ø180 x 50 |
| Material of wheel          |    | PU / Nylon |           |

Product colours depends on stock: red / yellow.



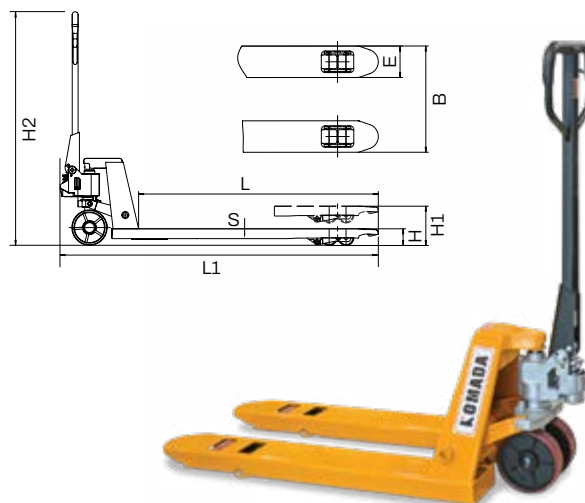




160)

### Short Fork Hand Pallet Truck

|                            |                |           |
|----------------------------|----------------|-----------|
| Product code               | <b>RZ 25SF</b> |           |
| Capacity                   | kg             | 2500      |
| Min. fork height (H)       | mm             | 85        |
| Max. fork height (H1)      | mm             | 200       |
| Max. lifting height        | mm             | ≥110      |
| Fork outside width (B)     | mm             | 540       |
| Fork inside width          | mm             | 220       |
| Fork length (L)            | mm             | 915       |
| Single fork size (E) x (S) | mm             | 160 x 50  |
| Overall length (L1)        | mm             | 1315-1620 |
| Overall width              | mm             | 540       |
| Overall height (H2)        | mm             | 1245      |
| Single loading wheel       | mm             | Ø80 x 93  |
| Steering wheel             | mm             | Ø180 x 50 |
| Material of wheel          | PU / Nylon     |           |



Product colours depends on stock: red / yellow.

161)

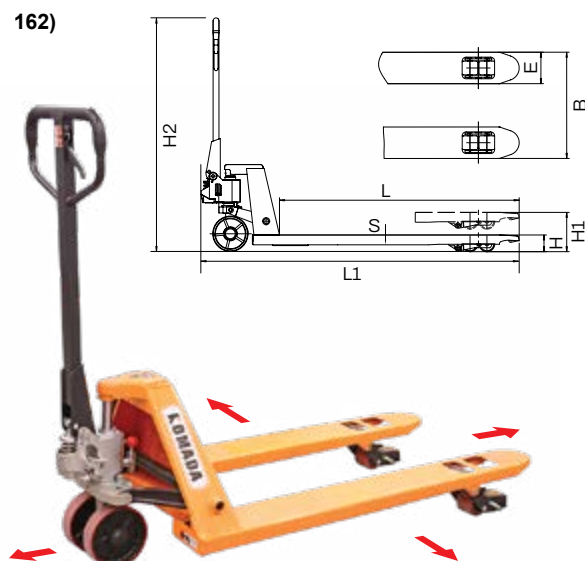


### Long Fork Hand Pallet Truck

| Product code      |    | RZ 30XL    | RZ 30XXL |
|-------------------|----|------------|----------|
| Capacity          | kg | 3000       | 3000     |
| Overall width     | mm | 685        | 685      |
| Fork length       | mm | 1500       | 1800     |
| Fork width        | mm | 160        |          |
| Min. fork height  | mm | 85         |          |
| Max. fork height  | mm | 200        |          |
| Steering wheel    | mm | Ø180 x 50  |          |
| Loading wheel     | mm | Ø74 x 70   |          |
| Material of wheel |    | PU / Nylon |          |

Product colours depends on stock: red / yellow.

162)



### Four Way Hand Pallet Truck

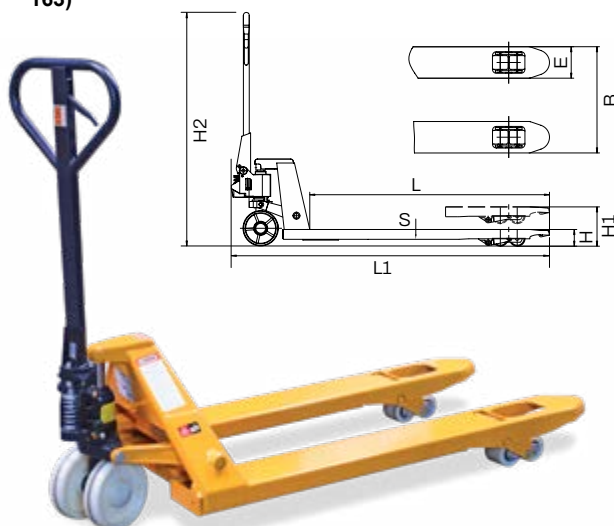
|                            |                |           |
|----------------------------|----------------|-----------|
| Product code               | <b>RZ 20FW</b> |           |
| Capacity                   | kg             | 2000      |
| Min. fork height (H)       | mm             | 85        |
| Max. fork height (H1)      | mm             | 200       |
| Fork outside width (B)     | mm             | 685       |
| Fork inside width          | mm             | 375       |
| Fork length (L)            | mm             | 1220      |
| Single fork size (E) x (S) | mm             | 160 x 50  |
| Overall length (L1)        | mm             | 1315-1620 |
| Overall width              | mm             | 685       |
| Overall height (H2)        | mm             | 1245      |
| Tandem loading wheel       | mm             | Ø74 x 70  |
| Steering wheel             | mm             | Ø180 x 50 |
| Material of wheel          | PU / Nylon     |           |

Product colours depends on stock: red / yellow.



- Allows operator to handle pallets easily in all four directions.
- Fork height less than 160mm straight line movement mode.
- Fork height more than 185mm lateral movement mode.

163)



### Heavy Duty Hand Pallet Truck

| Product code       |    | HP 50N               | HP 50           |
|--------------------|----|----------------------|-----------------|
| Capacity           | kg | 5000                 | 5000            |
| Fork size          | mm | 180 x 60 x 1220      | 180 x 60 x 1220 |
| Fork outside width | mm | 540                  | 685             |
| Loading wheel      | mm | Ø80 x 70             | Ø80 x 70        |
| Steering wheel     | mm | Ø180 x 50            | Ø180 x 50       |
| Min. fork height   | mm | 85                   | 85              |
| Max. fork height   | mm | 200                  | 200             |
| Material of wheel  |    | nylon / polyurethane |                 |

Product colours depends on stock: red / yellow.

164)

### Weight Scale Hand Pallet Truck

| Product code        |    | RZ ES25           |
|---------------------|----|-------------------|
| Capacity            | kg | 2500              |
| Min. fork height    | mm | 85                |
| Max. fork height    | mm | 200               |
| Fork outside width  | mm | 685               |
| Fork inside width   | mm | 365               |
| Fork length         | mm | 1220              |
| Single fork size    | mm | 160 x 50          |
| Overall length      | mm | 1570-1640         |
| Overall width       | mm | 685               |
| Overall height      | mm | 1245              |
| Loading wheel       | mm | Ø80x70            |
| Steering wheel      | mm | Ø180x50           |
| Min. turning radius | mm | 1450              |
| Material of wheel   |    | Polyurethane (PU) |

Product colours depends on stock: red / yellow.

- Features weighing accuracy ±1kg for load 2500kg.
- Printer available.
- Kilogram or pounds available.



165)

### Hot Dipped Galvanized Hand Pallet Truck

| Product code      |    | RZHG25     | RZHG30 |
|-------------------|----|------------|--------|
| Capacity          | kg | 2500       | 3000   |
| Overall width     | mm | 685        | 685    |
| Fork length       | mm | 1220       | 1220   |
| Min. fork height  | mm | 85         |        |
| Max. fork height  | mm | 200        |        |
| Steering wheel    | mm | Ø180x50    |        |
| Loading wheel     | mm | Ø80x70     |        |
| Material of wheel |    | Nylon / PU |        |



166)



#### Stainless Steel Hand Pallet Truck

| Product code     |    | RZ 20SSN | RZ 20SS |
|------------------|----|----------|---------|
| Capacity         | kg | 2000     | 2000    |
| Overall width    | mm | 540      | 685     |
| Fork length      | mm | 1150     | 1220    |
| Min. fork height | mm | 85       |         |
| Max. fork height | mm | 200      |         |
| Steering wheel   | mm | Ø180x50  |         |
| Loading wheel    | mm | Ø80x70   |         |

167)

#### DF Series Hand Pallet Truck

| Product code     |    | DF 25N               | DF 30N    | DF 25           | DF 30     |
|------------------|----|----------------------|-----------|-----------------|-----------|
| Capacity         | kg | 2500                 | 3000      | 2500            | 3000      |
| Single fork size | mm | 160 x 60 x 1150      |           | 160 x 60 x 1220 |           |
| Wheel type       | mm | nylon / polyurethane |           |                 |           |
| Loading wheel    | mm | Ø74 x 93             | Ø74 x 93  | Ø74 x 93        | Ø74 x 93  |
| Steering wheel   | mm | Ø180 x 50            | Ø180 x 50 | Ø180 x 50       | Ø180 x 50 |
| Min. fork height | mm | 75                   | 75        | 75              | 75        |
| Max. fork height | mm | 190                  | 190       | 190             | 190       |
| Overall length   | mm | 1485                 | 1485      | 1605            | 1605      |
| Overall width    | mm | 550                  | 550       | 685             | 685       |
| Overall height   | mm | 1216                 | 1216      | 1216            | 1216      |



Product colours depends on stock: red / yellow.



168)

#### Scissor Lift Pallet Truck

| Product code         |    | SPA 15N           | SPA 15 |
|----------------------|----|-------------------|--------|
| Capacity             | kg | 1500              |        |
| Overall width        | mm | 540               | 680    |
| Fork size            | mm | 160 x 50          |        |
| Fork length          | mm | 1150              |        |
| Overall vehicle size | mm | 1540 x 685 x 1235 |        |
| Min. fork height     | mm | 85                |        |
| Max. fork height     | mm | 800               |        |
| Loading wheel        | mm | Ø74 x 50          |        |
| Steering wheel       | mm | Ø180 x 50         |        |

Product colours depends on stock: red / yellow.

- Hard chrome plated ram and piston.
- 3-position control, FAST-WORK-DOWN.
- Equipped with overload valve.
- One piece of formed steel "C" channel tapered, reinforced forks.
- Tapered fork ends and nylon rollers permit easy entry and exit of pallets.



169)



TFA 1000

### Table Lifter

| Product code                         |    | TFA 150    | TFA 500    | TFA 1000    |
|--------------------------------------|----|------------|------------|-------------|
| Capacity                             | kg | 150        | 500        | 1000        |
| Min. height of platform              | mm | 220        | 290        | 390         |
| Max. height of platform              | mm | 720        | 900        | 1000        |
| Platform size                        | mm | 700x450x40 | 815x510x50 | 1000x510x55 |
| Foot pedal strokes reach max. height | mm | ≤25        | ≤30        | ≤79         |

Product colours depends on stock: red / yellow.

170)

### Double Scissor Table Lifter

| Product code                   |    | TLD 500        | TLD 1000        |
|--------------------------------|----|----------------|-----------------|
| Capacity                       | kg | 500            | 1000            |
| Platform size                  | mm | 910 x 510 x 50 | 1200 x 610 x 60 |
| Min. / max. height of platform | mm | 360 / 1500     | 500 / 1700      |
| Foot pedal cycles to max.      |    | ≤76            | ≤145            |
| Wheel size                     | mm | Ø125 x 50      | Ø150 x 50       |

Product colours depends on stock: red / yellow.



171)



### Table Lifter

| Product code              |    | TFD 350        |
|---------------------------|----|----------------|
| Capacity                  | kg | 350            |
| Min. height of table      | mm | 360            |
| Max. height of table      | mm | 1300           |
| Platform size             | mm | 910 x 510 x 50 |
| Handle height             | mm | 980            |
| Foot pedal cycles to max. |    | ≤74            |
| Diameter of the wheel     | mm | Ø125 x 50      |

Product colours depends on stock: red / yellow.

172)

### Electric Hydraulic Table Lifter

| Product code         |    | ET100S      | ET200S      | ET4000S     | ET100SD    | ET200SD |
|----------------------|----|-------------|-------------|-------------|------------|---------|
| Capacity             | kg | 1000        | 2000        | 4000        | 1000       | 2000    |
| Min. height of table | mm | 240         | 250         | 300         | 305        | 360     |
| Max. height of table | mm | 1300        | 1300        | 1400        | 1780       |         |
| Platform size        | mm | 1000 x 2000 | 1000 x 2000 | 1200 x 2200 | 1300 x 820 |         |
| Lowering speed       |    | Controlled  |             |             |            |         |
| Service voltage      | V  | 380         |             |             |            |         |
| Power                | W  | 1000        | 1500        | 2200        | 2200       |         |

Product colours depends on stock: red / yellow.



ET-S



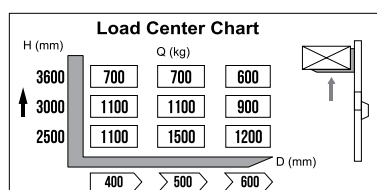
ET-SD





## FULLY POWERED STACKER

| Product code                                            |        | EST 152-1527    | EST 152-1530 | EST 152-1536 |
|---------------------------------------------------------|--------|-----------------|--------------|--------------|
| Drive unit                                              |        | Electrics       |              |              |
| Operator type                                           |        | Pedestrian      |              |              |
| Rated capacity (Q)                                      | kg     | 1500            |              |              |
| Load center distance (c)                                | mm     | 500             |              |              |
| Load distance (x)                                       | mm     | 798             |              |              |
| Wheel base (y)                                          | mm     | 1212            |              |              |
| Weight                                                  |        |                 |              |              |
| Service weight (include battery)                        | kg     | 595             |              |              |
| Axle loading, laden driving side/loading side           | kg     | 825/1270        |              |              |
| Axle loading, unladen driving side/loading side         | kg     | 450/145         |              |              |
| Types Chassis                                           |        |                 |              |              |
| Tyre type driving wheels/loading wheels                 |        | PU/PU           |              |              |
| Tyre size, driving wheels (diameter x width)            | mm     | Ø210x70         |              |              |
| Tyre size, loading wheels (diameter x width)            | mm     | Ø74x72          |              |              |
| Tyre size, caster wheels (diameter x width)             | mm     | Ø180x55         |              |              |
| Wheels, number driving, caster/loading (x=drive wheels) | mm     | 1x +1/4         |              |              |
| Track width, front, driving side                        | mm     | 531             |              |              |
| Track width, rear, loading side                         | mm     | 405             |              |              |
| Dimensions                                              |        |                 |              |              |
| Height, mast lowered (h1)                               | mm     | 1956            | 2106         | 2406         |
| Lift height (h3) + (h13)                                | mm     | 2720            | 3020         | 3620         |
| Height, mast extended (h4)                              | mm     | 3271            | 3571         | 4171         |
| Height drawer in driving position min. / max.           | mm     | 750/1340        |              |              |
| Lowered height (h13)                                    | mm     | 85              |              |              |
| Overall length (l1)                                     | mm     | 1713            |              |              |
| Length to face of fork (l2)                             | mm     | 563             |              |              |
| Overall width (b1)                                      | mm     | 792             |              |              |
| Fork dimensions (s/ e/ l)                               | mm     | 60/ 170/ 1150   |              |              |
| Fork carriage width                                     | mm     | 680/770         |              |              |
| Distance between fork-arms                              | mm     | 570/685         |              |              |
| Ground clearance, carrier of wheelbase                  | mm     | 25              |              |              |
| Aisle width for pallets 1000 x 1200 crossways           | mm     | 2224            |              |              |
| Aisle width for pallets 800 x 1200 lengthways           | mm     | 2158            |              |              |
| Turning radius                                          | mm     | 1390            |              |              |
| Performance Data                                        |        |                 |              |              |
| Travel speed, laden/ unladen                            | km/h   | 4.2/4.5         |              |              |
| Lifting speed, laden/ unladen                           | m/ s   | 0.08/0.14       |              |              |
| Lowering speed, laden/ unladen                          | m/ s   | 0.11/0.10       |              |              |
| Max. gradeability, laden/ unladen                       | %      | 3/10            |              |              |
| Service brake type                                      |        | electromagnetic |              |              |
| Electric Engine                                         |        |                 |              |              |
| Drive motor rating S2 60 min                            | kW     | 0.75            |              |              |
| Lift motor rating at S3 15%                             | kW     | 2.2             |              |              |
| The maximum allowed size battery                        | mm     | 260x165x210     |              |              |
| Battery voltage/ nominal capacity K5                    | V/Ah   | 2x 12/85        |              |              |
| Battery weight                                          | kg     | 2x24            |              |              |
| Addition Data                                           |        |                 |              |              |
| Type of drive unit                                      |        | DC              |              |              |
| Steering type                                           |        | mechanical      |              |              |
| Sound pressure level at the driver's ear                | dB (A) | 74              |              |              |



173)



### Strong chassis

The side impact beam, plates, and boxes make the chassis stronger and can greatly reduce stress and deformation caused by heavy load.

### Rigid mast

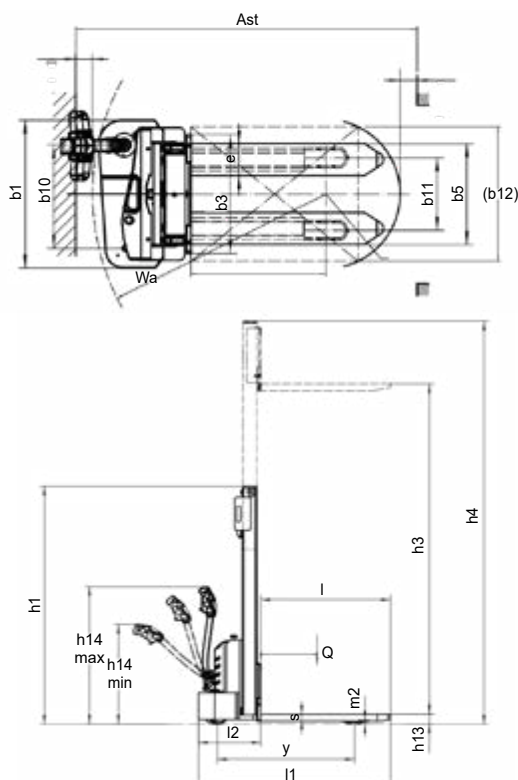
The rigidity of the mast is greatly improved by its beam structure to provide smooth lifting and stacking for daily operation.

### Easy operation

The extra-long and offset tiller with the crawl speed button provides EST152 a better visibility and nimble maneuverability when operating in tight space.

### Efficient hydraulic system

High quality hydraulic pump ensures very little noise, maximum efficiency, durability and shortens lifting time.



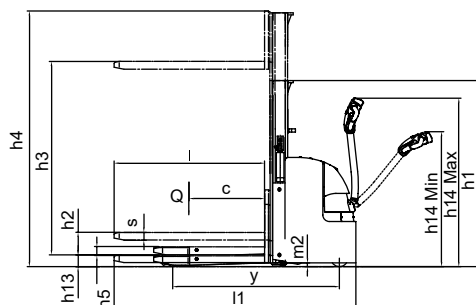
## FULLY POWERED STACKER

174)

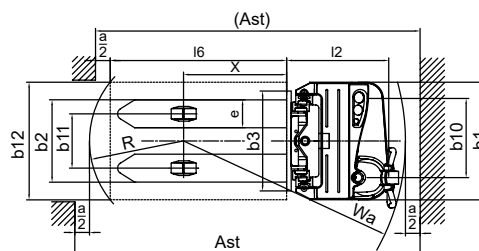


Rated Capacities Graph

|                                                                                     |               | Lift Height<br>(mm) | Capacity<br>(kg) |
|-------------------------------------------------------------------------------------|---------------|---------------------|------------------|
|  | Mast Fork A   | 1600                | 1200             |
|                                                                                     |               | 2700                | 1100             |
|                                                                                     |               | 3000                | 1000             |
|                                                                                     |               | 3300                | 800              |
|                                                                                     |               | 3600                | 600              |
|                                                                                     | Support Arm B | 210                 | A+B≤2000         |



|                                                         |        |                 |
|---------------------------------------------------------|--------|-----------------|
| Product code                                            |        | ES12-12WAI      |
| Drive unit                                              |        | Battery         |
| Operator type                                           |        | Pedestrian      |
| Rated capacity (Q)                                      | kg     | 1200            |
| Load center distance (c)                                | mm     | 600             |
| Load distance, centre of drive axle to fork (x)         | mm     | 701             |
| Wheel base (y)                                          | mm     | 1275            |
| Weight                                                  |        |                 |
| Service weight (include battery)                        | kg     | 940             |
| Axle loading, laden driving side/loading side           | kg     | 735/1405        |
| Axle loading, unladen driving side/loading side         | kg     | 640/300         |
| Types Chassis                                           |        |                 |
| Tyre type driving wheels/loading wheels                 |        | PU/PU           |
| Tyre size, driving wheels (diameter x width)            | mm     | Ø230x75         |
| Tyre size, loading wheels (diameter x width)            | mm     | Ø85x70          |
| Tyre size, caster wheels (diameter x width)             | mm     | Ø130x55         |
| Wheels, number driving, caster/loading (x=drive wheels) | mm     | 1x +1/4         |
| Track width, front, driving side                        | mm     | 538             |
| Track width, rear, loading side                         | mm     | 370             |
| Dimensions                                              |        |                 |
| Height, mast lowered (h1)                               | mm     | 1970            |
| Free lift (h2)                                          | mm     | 100             |
| Lift height (h3)                                        | mm     | 2915            |
| Height, mast extended (h4)                              | mm     | 3529            |
| Initial lift (h5)                                       | mm     | 120             |
| Height drawbar in driving position min./max. (h14)      | mm     | 715/1200        |
| Lowered height (h13)                                    | mm     | 95              |
| Overall length (l1)                                     | mm     | 1847            |
| Length to face of forks (l2)                            | mm     | 697             |
| Overall width (b1)                                      | mm     | 800             |
| Fork dimensions (s/ e/ l)                               | mm     | 60x190x1150     |
| Fork carriage width (b3)                                | mm     | 680             |
| Outside width of the forks (b5)                         | mm     | 560             |
| Ground clearance, center of wheelbase (m2)              | mm     | 30              |
| Aisle width for pallets 1000 x 1200 crossways (Ast)     | mm     | 2378            |
| Aisle width for pallets 800 x 1200 lengthways (Ast)     | mm     | 2350            |
| Turning radius (Wa)                                     | mm     | 1510            |
| Performance Data                                        |        |                 |
| Travel speed, laden/ unladen                            | km/h   | 5.0/5.5         |
| Lifting speed, laden/ unladen                           | m/ s   | 0.11/0.16       |
| Lowering speed, laden/ unladen                          | m/ s   | 0.19/0.18       |
| Max. gradeability, laden/ unladen                       | %      | 8/16            |
| Service brake type                                      |        | Electromagnetic |
| Electric Engine                                         |        |                 |
| Drive motor rating S2 60 min                            | kW     | 1.1             |
| Lift motor rating at S3 15%                             | kW     | 2.2             |
| The maximum allowed size battery                        | mm     | 788 x 180 x 560 |
| Battery voltage/ nominal capacity K5                    | V/Ah   | 24/120          |
| Battery weight                                          | kg     | 190             |
| Addition Data                                           |        |                 |
| Type of drive unit                                      |        | AC              |
| Steering type                                           |        | mechanical      |
| Sound pressure level at the driver's ear                | dB (A) | 74              |







175)

### Advantage

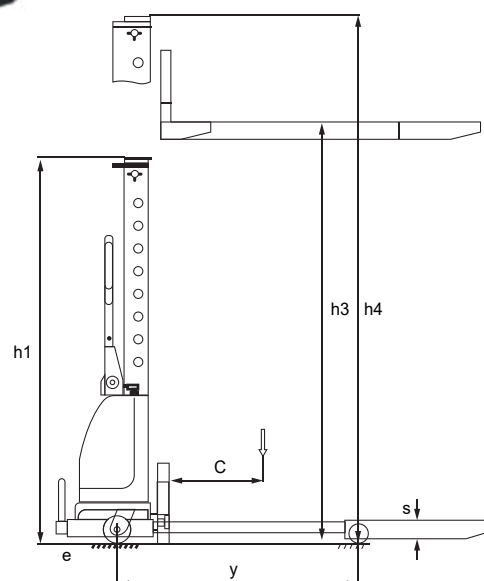
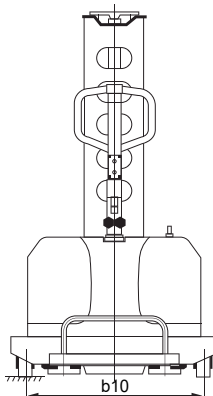
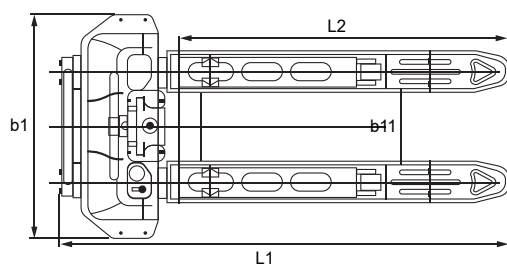
- Loading capacity: 500kg, 700kg, 1000kg is optional.
- Lifting height is 800-1500mm. At max lifting height, the loading is no reduce.
- Semi electric type self lifting stacker, the lifting and lowering speed is adjustable, according to the user's needs.
- Steering chain auxiliary device.
- Over discharge protection, extending battery life.
- Sealed batteries free of maintenance, safe operation and no pollution.
- Explosion-proof valve design, down more stable and reliable.
- 700kg model adds the design of the armrest to facilitate the lifting of the cargo.
- Add the design of the guide rail, makes pushing and pulling the goods more labor saving and convenient.



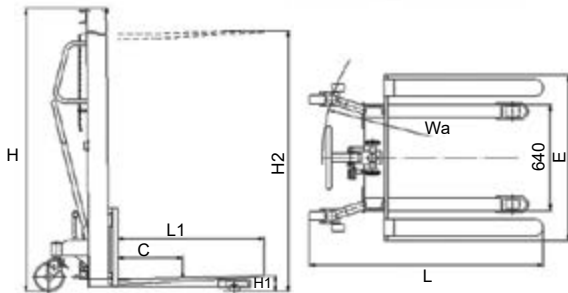
## SELF LIFTING STACKER

| Product code                              |      | ZTS 0513   |
|-------------------------------------------|------|------------|
| Base                                      |      |            |
| Capacity                                  | kg   | 500        |
| Load center (C)                           | mm   | 400        |
| Type of lifting                           |      | Electric   |
| Operating type                            |      | Walkie     |
| Wheel                                     |      |            |
| Material                                  |      | Nylon / PU |
| Wheel base (y)                            | mm   | 860        |
| Front wheel base (b11)                    | mm   | 380        |
| Back wheel base (b10)                     | mm   | 670        |
| Qty of Steering / Bearing / Balance Wheel |      | 2/2/6      |
| Bearing wheel                             | mm   | Ø70 x 60   |
| Steering wheel                            | mm   | Ø100 x 50  |
| Balance wheel                             | mm   | Ø40 x 26   |
| Training wheel                            | mm   | Ø30 x 26   |
| Dimension                                 |      |            |
| Min. fork height                          | mm   | 90         |
| Max. fork height (h3)                     | mm   | 1300       |
| Fork outside width                        | mm   | 535        |
| Fork inside width                         | mm   | 225        |
| Fork length                               | mm   | 1150       |
| Single fork size (e/s)                    | mm   | 155/60     |
| Overall length (L1)                       | mm   | 1600       |
| Overall width (b1)                        | mm   | 790        |
| Overall height (h1)                       | mm   | 1600       |
| Whole height (after tape file shelf) (h4) | mm   | 2900       |
| Length of vertical surface to fork (L2)   | mm   | 1150       |
| Min. turning radius                       | mm   | 1120       |
| Performance                               |      |            |
| Lifting speed (laden/unladen)             | m/ s | 80/110     |
| Lowering speed (laden/unladen)            | m/ s | 80/80      |
| Electrical                                |      |            |
| Lift motor                                | V/Kw | 12/0.8     |
| Battery capacity                          | V/Ah | 12/33      |
| Weight                                    |      |            |
| Battery weight                            | kg   | 10         |

Product colours depends on stock: red / yellow.



176)



### Hydraulic Manual Stacker

| Product code                      |       | RSD 1016          | RSD 1516 | RSD 2016 |
|-----------------------------------|-------|-------------------|----------|----------|
| Base                              |       |                   |          |          |
| Capacity                          | kg    | 1000              | 1500     | 2000     |
| Load center (C)                   | mm    | 400               |          |          |
| Type of lifting                   |       | Hand / Foot Pump  |          |          |
| Operating type                    |       | Walkie            |          |          |
| Wheel                             |       |                   |          |          |
| Material                          |       | Nylon             |          |          |
| Qty steering / loading wheel      |       | 2/2               |          |          |
| Wheel base                        | mm    | 1140              |          |          |
| Loading wheel                     | mm    | Ø80 x 60          |          |          |
| Steering wheel                    | mm    | Ø180 x 50         |          |          |
| Dimension                         |       |                   |          |          |
| Min. fork height (H1)             | mm    | 90                |          |          |
| Max. fork height (H2)             | mm    | 1600              |          |          |
| Fork outside width                | mm    | 320-720           | 340-830  | 340-740  |
| Fork inside width                 | mm    | 20-320            | 20-340   | 20-340   |
| Fork length (L1)                  | mm    | 1000 (cover fork) |          |          |
| Single fork size                  | mm    | 150/60            | 160/60   | 160/60   |
| Overall length (L)                | mm    | 1525              | 1525     | 1525     |
| Overall width (E)                 | mm    | 790               | 890      | 790      |
| Overall height (H)                | mm    | 1985              | 2085     | 2085     |
| Min. turning radius (Wa)          | mm    | 1400              |          |          |
| Performance                       |       |                   |          |          |
| Foot pedal cycles to max. (laden) | times | ≤76               | ≤110     | ≤110     |
| Lowering speed (laden / unladen)  | mm/s  | Controlled        |          |          |

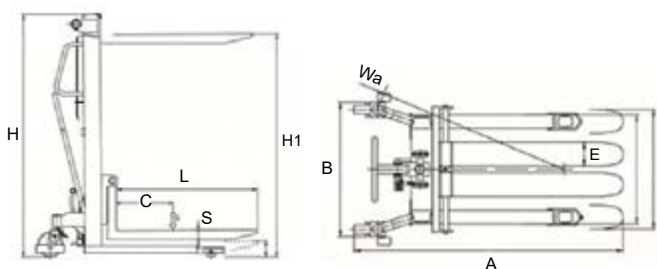
Product colours depends on stock: red / yellow.

177)

### Hydraulic Manual Stacker

| Product code                         |       | RSD 1025                             | RSD 1030 |
|--------------------------------------|-------|--------------------------------------|----------|
| Base                                 |       |                                      |          |
| Capacity                             | kg    | 1000                                 | 1000     |
| Load center (C)                      | mm    | 400                                  |          |
| Type of lifting                      |       | Hand / Foot Pump                     |          |
| Operating type                       |       | Walkie                               |          |
| Wheel                                |       |                                      |          |
| Material                             |       | Nylon                                |          |
| Quantity of Steering / loading wheel |       | 2/2                                  |          |
| Wheel base (Y)                       | mm    | 1140                                 |          |
| Loading wheel                        | mm    | Ø80 x 60                             |          |
| Steering wheel                       | mm    | Ø180 x 50                            |          |
| Dimension                            |       |                                      |          |
| Min. fork height                     | mm    | 90                                   |          |
| Max. fork height (H1)                | mm    | 2500                                 | 3000     |
| Fork outside / inside width          |       | 320-720 / 20-320                     |          |
| Single fork size (E) x (S)           | mm    | 150 x 60                             |          |
| Fork length (L)                      | mm    | 1000                                 |          |
| Overall length (A)                   | mm    | 1525                                 |          |
| Overall width (B)                    | mm    | 790                                  |          |
| Overall height (H)                   | mm    | 1825                                 | 2085     |
| Minimum turning radius (Wa)          | mm    | 1400                                 |          |
| Performance                          |       |                                      |          |
| Max. pump pressure (laden)           | times | ≤ 95                                 | ≤120     |
| Lowering speed (laden / unladen)     |       | m/ s                      Controlled |          |

Product colours depends on stock: red / yellow.

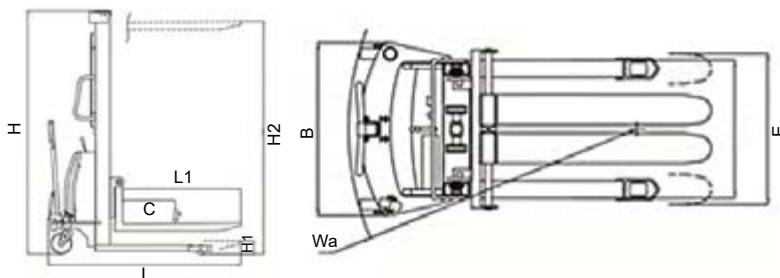




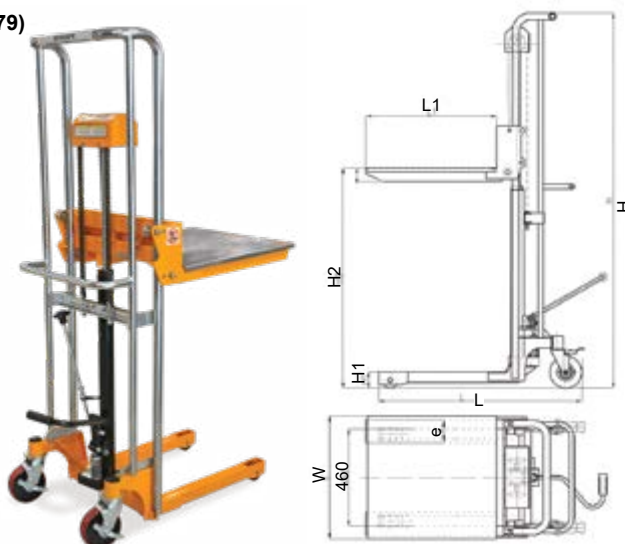
178)

| Semi Powered Stacker                  |      |                |          |          |          |          |          |
|---------------------------------------|------|----------------|----------|----------|----------|----------|----------|
| Product code                          |      | SEM 1025       | SEM 1030 | SEM 1035 | SEM 1525 | SEM 1530 | SEM 1535 |
| Capacity                              | kg   | 1000           |          |          | 1500     |          |          |
| Load center (C)                       | mm   | 450            |          |          |          |          |          |
| Type of lifting                       |      | Electric       |          |          |          |          |          |
| Operating type                        |      | Walkie         |          |          |          |          |          |
| Wheel                                 |      |                |          |          |          |          |          |
| Material                              |      | Nylon          |          |          |          |          |          |
| Qty of Steering / loading wheel       |      | 2/2            |          |          |          |          |          |
| Wheel base                            | mm   | 1182           |          |          |          |          |          |
| Loading wheel                         | mm   | Ø80 x 60       |          |          |          |          |          |
| Steering wheel                        | mm   | Ø180 x 50      |          |          |          |          |          |
| Dimension                             |      |                |          |          |          |          |          |
| Min. fork height (H1)                 | mm   | 90             |          |          |          |          |          |
| Max. fork height (H2)                 | mm   | 2500           | 3000     | 3500     | 2500     | 3000     | 3500     |
| Fork outside width (E)                | mm   | 320-740        |          |          |          |          |          |
| Fork inside width                     | mm   | 20-440         |          |          |          |          |          |
| Fork length (L1)                      | mm   | 1150           |          |          |          |          |          |
| Single fork size                      | mm   | 150/60         |          |          |          |          |          |
| Overall length (L)                    | mm   | 1810           |          |          |          |          |          |
| Overall width (B)                     | mm   | 770            |          |          |          |          |          |
| Overall height (H)                    | mm   | 1830           | 2080     | 2330     | 1880     | 2130     | 2380     |
| Maximum lifting stroke                | mm   | 2410           | 2910     | 3410     | 2410     | 2910     | 3410     |
| Minimum turning radius (Wa)           | mm   | 1450           |          |          |          |          |          |
| Performance                           |      |                |          |          |          |          |          |
| Max. lifting height (laden / unladen) | mm/s | 40-50 / 85-95  |          |          |          |          |          |
| Lowering speed (laden / unladen)      | mm/s | 90-110 / 85-95 |          |          |          |          |          |
| Electric                              |      |                |          |          |          |          |          |
| Lifting motor                         | Kw   | 1.6            |          |          |          |          |          |
| Battery capacity                      | V/Ah | 12V120         |          |          |          |          |          |

Product colours depends on stock: red / yellow.



179)



| Manual Platform Stacker                            |    |                   |
|----------------------------------------------------|----|-------------------|
| Product code                                       |    | PS 0415           |
| Capacity                                           | kg | 400               |
| Load center                                        | mm | 350               |
| Type of lifting                                    | mm | Foot              |
| Operating type                                     | mm | Walkie            |
| Material of wheel                                  | mm | PU                |
| Bearing wheel                                      | mm | Ø75 x 42          |
| Steering wheel                                     | mm | Ø150 x 38         |
| Min. / Max. fork height (H1) / (H2)                | mm | 90 / 1500         |
| Fork outside / inside width                        | mm | 550 / 310         |
| Single fork size (e x W x L1)                      | mm | 60 x 120 x 615    |
| Overall size (H x W x L)                           | mm | 1770 x 610 x 1000 |
| Min. turning radius                                | mm | 1022              |
| Fork lifting height to maximum pump pressure times |    | ≤48               |
| Lowering speed                                     |    | Foot control      |

Product colours depends on stock: red / yellow.

180)



**CRO 4R**  
(Rigid)

#### CRO Series Mover Skate

| Product code    |       | CRO 4R      | CRO 6R      | CRO 8R      |
|-----------------|-------|-------------|-------------|-------------|
| Capacity        | tonne | 6           | 8           | 12          |
| Dimension LxWxH | mm    | 304x222x95  | 404x222x95  | 504x222x95  |
| Net weight      | kg    | 13          | 20          | 26          |
| Package         | mm    | 320x240x110 | 420x240x110 | 520x240x110 |

181)



**CRA 4S**  
(Swivel)

#### CRA Series Mover Skate

| Product code    |       | CRA 4S      | CRA 6S      | CRA 8S      |
|-----------------|-------|-------------|-------------|-------------|
| Capacity        | tonne | 6           | 8           | 12          |
| Dimension LxWxH | mm    | 304x222x110 | 404x222x110 | 504x222x110 |
| Net weight      | kg    | 14.5        | 21.5        | 27.5        |
| Package         | mm    | 320x240x120 | 420x240x120 | 520x240x120 |

- Transport trolleys can be used wherever heavy objects have to be moved.
- The load can be lifted using either the roller crowbar on a jack allowing the transport trolleys to be easily positioned.

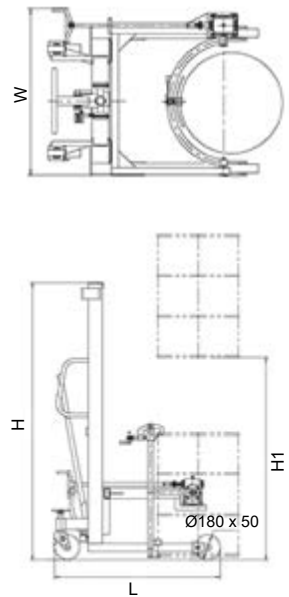
182)



#### Manual Drum Handler

|                                   |    |                  |
|-----------------------------------|----|------------------|
| Product code                      |    | <b>COT 400</b>   |
| Capacity                          | kg | 400              |
| Type of lifting                   |    | Hand / Foot Pump |
| Operating type                    |    | Walkie           |
| Tilt angle                        |    | 180°             |
| <b>Wheel</b>                      |    |                  |
| Material                          |    | Nylon            |
| Qty of Steering / loading wheel   |    | 2/2              |
| Wheel base                        | mm | 1080             |
| Loading wheel                     | mm | Ø180 x 50        |
| Steering wheel                    | mm | Ø180 x 50        |
| <b>Dimension</b>                  |    |                  |
| Drum vertical lifting height (H1) | mm | 1450             |
| Drum elevation level              | mm | 1350             |
| Drum 135° tilt height             | mm | 1250             |
| Overall length (L)                | mm | 1200             |
| Overall width (W)                 | mm | 960              |
| Overall height (H)                | mm | 2030             |
| Min. turning radius               | mm | 1250             |

Product colours depends on stock: red / yellow.



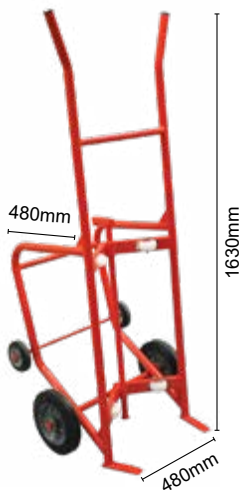
183)

#### 4 Wheel Multi Function Drum Truck

Product code: **50MF**

- Load / unloads off pallet and ground.
- Transport drum on 4 wheels.
- Roller bearing wheels enable agitation of drum contents while in a horizontal position.
- Load capacity 300kgs.

Product colours depends on stock.



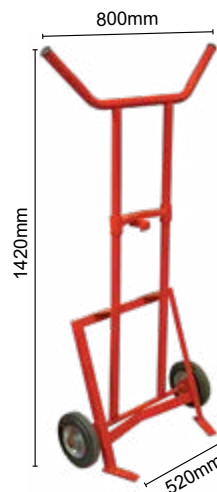
184)

#### 2 Wheel Easy Tilt Drum Truck

Product code: **5ET**

- Perfect axle placement and ball bearing centered wheel guarantee strain free drum transport.
- Load capacity 300kgs.

Product colours depends on stock.





185)



Product colours depends on stock: red / yellow.

### Hand Pump Drum Porter

|                                 |               |                            |
|---------------------------------|---------------|----------------------------|
| Product code                    | <b>DT 250</b> |                            |
| Capacity                        | kg            | 250                        |
| Type of lifting                 | mm            | Hand pump                  |
| Operating type                  | mm            | Walkie                     |
| Suitable for drum               | mm            | Ø590, 55 gallon steel drum |
| <b>Wheel</b>                    |               |                            |
| Qty of steering / loading wheel | 1/2           |                            |
| Loading wheel                   | mm            | Ø180 x 50                  |
| Steering wheel                  | mm            | Ø125 x 35                  |
| <b>Dimension</b>                |               |                            |
| Drum vertical lifting height    | mm            | 280                        |
| Inside leg width                | mm            | 630                        |
| Overall length                  | mm            | 810                        |
| Overall width                   | mm            | 820                        |
| Overall height                  | mm            | 1050                       |
| Min. turning radius             | mm            | 1250                       |

186)



### Foot Pump Drum Porter

|                    |                |                            |
|--------------------|----------------|----------------------------|
| Product code       | <b>DTF 450</b> |                            |
| Capacity           | kg             | 365                        |
| Suitable drum size | gallon         | Ø590, 55 gallon steel drum |
| Lifting height     | mm             | 640                        |
| Overall size       | mm             | 1160 x 1220 x 800          |
| Wheel size         | mm             | Ø150 x 50, Ø100 x 32       |

Product colours depends on stock: red / yellow.

187)



- All steel construction.
- For lifting 210 litre drums with overhead hoist.
- For open top and tight head steel drum.
- When central over the horizontal to set locking lever in locked open position, drum release lever allow hooks to fall and locate under both rims. Hooks automatically engage as is lifted and disengage as drum is set down.

### Overhead Horizontal Drum Clamp

|              |                |          |
|--------------|----------------|----------|
| Product code | <b>DN 500</b>  |          |
| Capacity     | kg             | 500      |
| Drum         | gallon / litre | 55 / 210 |
| N.W.         | kg             | 7.6      |

Product colours depends on stock: red / yellow.

188)



### Overhead Chain Clamp

|                |             |       |
|----------------|-------------|-------|
| Product code   | <b>SL 1</b> |       |
| Rated capacity | kg          | 1000  |
| Chain size     | mm          | Ø6x18 |
| Chain length   | mm          | 500   |
| N.W.           | kg          | 3.6   |

Product colours depends on stock available.

189)



- Suitable for lifting drums in vertical position.
- It is manufactured by low carbon high quality alloy steel forging.
- Easy drum tongs is subject to test load at 1.5x rated load capacity.

### Drum Tongs

|              |               |     |
|--------------|---------------|-----|
| Product code | <b>QT 200</b> |     |
| Capacity     | kg            | 200 |
| Jaw opening  | mm            | 1-9 |
| N.W.         | kg            | 1.3 |

Product colours depends on stock available.

190)



- For lifting 210 litre open top and tight head steel drum, and plastic drums with L or X rings.
- Welded gripping hocks.
- Fitted with 20mm diameter steel pin for attaching to overhead hoist or crane.

#### Drum Tongs

|              |                |               |
|--------------|----------------|---------------|
| Product code |                | <b>DL 360</b> |
| Capacity     | kg             | 360           |
| Drum         | gallon / litre | 55 / 210      |
| N.W.         | kg             | 4.5           |

Product colours depends on stock: red / yellow.

191)



- All steel construction.
- Easy moves and handle open or closed head loaded steel drums. Allows quick, gentle loading into overpacks and keeps drums upright during lift, reducing spills and injuries.
- Works easily with overhead hoist or hook from forklift.

#### Overhead Vertical Drum Clamp

|              |       |               |
|--------------|-------|---------------|
| Product code |       | <b>DL 350</b> |
| Capacity     | kg    | 350           |
| Drum         | litre | 210           |
| N.W.         | kg    | 6.69          |

Product colours depends on stock: red / yellow.

192)



#### Overhead Rotation Clamp

|                |                |               |
|----------------|----------------|---------------|
| Product code   |                | <b>LG 800</b> |
| Rated capacity | kg             | 365           |
| Drum           | gallon / litre | 55 / 210      |
| Net Weight     | kg             | 38            |

Product colours depends on stock: red / yellow.

193)



#### Forklift Drum Tipper

|                |                |               |
|----------------|----------------|---------------|
| Product code   |                | <b>HK285A</b> |
| Rated capacity | kg             | 364           |
| Drum           | gallon / litre | 55 / 210      |
| Fork opening   | mm             | 620           |
| Fork pocket    | mm             | 65H x 180W    |
| Weight         | kg             | 70            |

Product colours depends on stock: red / yellow.

194)



#### Eagle Grip Forklift Single Drum Attachment

|                |                |             |
|----------------|----------------|-------------|
| Product code   |                | <b>EG 1</b> |
| Rated capacity | kg             | 360         |
| Drum           | gallon / litre | 55 / 210    |
| Net weight     | kg             | 60          |

Product colours depends on stock: red / yellow.

195)



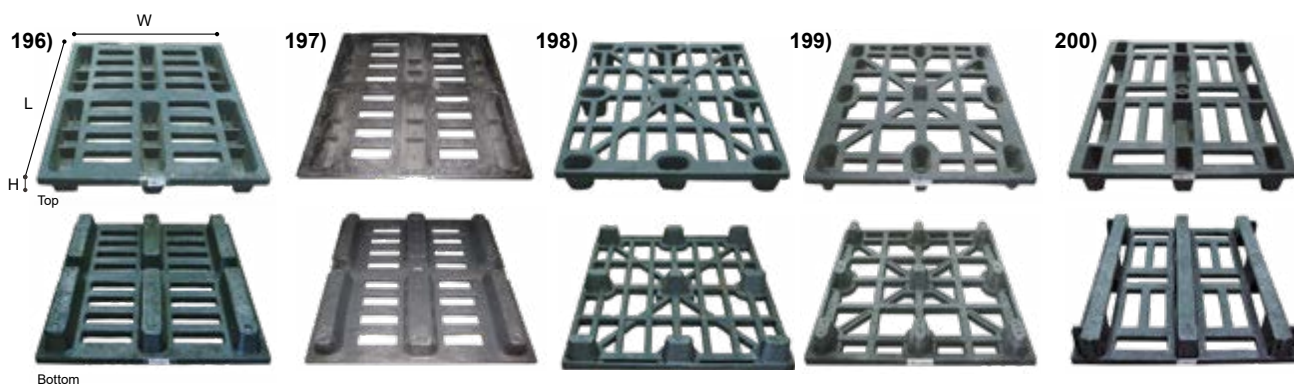
#### Eagle Grip Forklift Double Drum Attachment

|                |                |                |
|----------------|----------------|----------------|
| Product code   |                | <b>EG 2</b>    |
| Rated capacity | kg             | 720            |
| Drum           | gallon / litre | (55 / 210) x 2 |
| Net weight     | kg             | 96             |

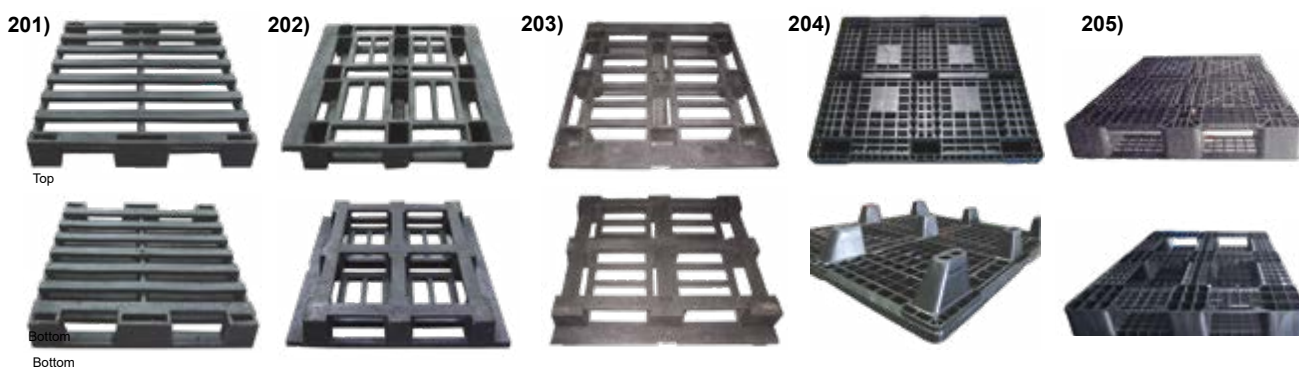
Product colours depends on stock: red / yellow.



## PLASTIC PALLET



| Product code |     | PP1 (Heavy Duty)     | PP2 (Heavy Duty)     | PP3 (Heavy Duty)     | PP4 (Heavy Duty)     | PP5 (Heavy Duty)     |
|--------------|-----|----------------------|----------------------|----------------------|----------------------|----------------------|
| Dimension    | mm  | 1200W x 1200L x 140H | 1000W x 1200L x 130H | 1200W x 1200L x 150H | 1000W x 1200L x 150H | 1000W x 1200L x 160H |
| Function     |     | Stackable            | Stackable            | Stackable            | Stackable            | Non-reversible       |
| Weight       | kg  | 47±                  | 35 ±                 | 35 ±                 | 29 ±                 | 40 ±                 |
| Static load  | ton | 4.5                  | 4.5                  | 4.5                  | 4.5                  | 4.5                  |
| Dynamic load | ton | 1.5                  | 1.5                  | 1.5                  | 1.5                  | 1.5                  |



| Product code |     | PP6 (Heavy Duty)     | PP7 (Heavy Duty)     | PP8 (Heavy Duty)     | PP9 (Export use)     | PP10 (Export use)    |
|--------------|-----|----------------------|----------------------|----------------------|----------------------|----------------------|
| Dimension    | mm  | 1110W x 1110L x 130H | 1030W x 1220L x 160H | 1220W x 1220L x 160H | 1020W x 1220L x 135H | 1130W x 1130L x 130H |
| Function     |     | Reversible           | Non-reversible       | Non-reversible       | Stackable            | Non-reversible       |
| Weight       | kg  | 46 ±                 | 44 ±                 | 46 ±                 | 6.8 ±                | 9.0 ±                |
| Static load  | ton | 5.0                  | 4.5                  | 4.5                  | 2.0                  | 2.0                  |
| Dynamic load | ton | 2.0                  | 1.5                  | 1.5                  | 1.0                  | 1.0                  |

206)



| Product code |    | S1010               | S1110             | S1111             | S1210             | S1211             |
|--------------|----|---------------------|-------------------|-------------------|-------------------|-------------------|
| Dimension    | mm | 1000 x 1000 x 140   | 1000 x 1100 x 140 | 1100 x 1100 x 140 | 1200 x 1000 x 140 | 1200 x 1100 x 140 |
| Function     |    | Non-reversible      |                   |                   |                   |                   |
| Weight       | kg | 6.5 ±               | 7 ±               | 7.6 ±             | 7.5 ±             | 8.3 ±             |
| Static load  | kg | 2000kg unified load |                   |                   |                   |                   |
| Dynamic load | kg | 1000kg unified load |                   |                   |                   |                   |

## PLASTIC PALLET

207)



| Product code |    | SH1010              | SH1110            | SH1111            | SH1210            | SH1211            |
|--------------|----|---------------------|-------------------|-------------------|-------------------|-------------------|
| Dimension    | mm | 1000 x 1000 x 140   | 1000 x 1100 x 140 | 1100 x 1100 x 140 | 1200 x 1000 x 140 | 1200 x 1100 x 140 |
| Function     |    | Non-reversible      |                   |                   |                   |                   |
| Weight       | kg | 8 ±                 | 8.5 ±             | 9 ±               | 8.9 ±             | 9.7 ±             |
| Static load  | kg | 2000kg unified load |                   |                   |                   |                   |
| Dynamic load | kg | 1000kg unified load |                   |                   |                   |                   |
| Racking load | kg | 300kg unified load  |                   |                   |                   |                   |

208)



Top

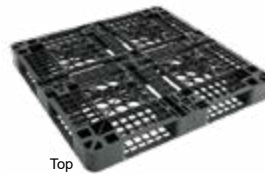


Bottom

209)



210)



Top



Bottom

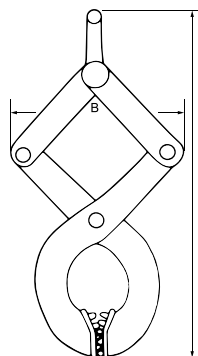
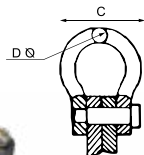
211)



| Product code |    | F1210 (Double Deck)  | M1111 (Double Deck)  | L1111 (Double Deck)  | MF1210               |
|--------------|----|----------------------|----------------------|----------------------|----------------------|
| Dimension    | mm | 1000W x 1200L x 150H | 1100W x 1100L x 150H | 1100W x 1100L x 120H | 1200W x 1000L x 150H |
| Function     |    | Non-Reversible       | Non-reversible       | Non-reversible       | Non-reversible       |
| Weight       | kg | 22 ±                 | 16 ±                 | 9 ±                  | 9 ±                  |
| Static load  | kg | 4000kg unified load  | 4000kg unified load  | 2000kg unified load  | 4000kg unified load  |
| Dynamic load | kg | 1000kg unified load  | 1000kg unified load  | 1000kg unified load  | 1000kg unified load  |
| Racking load | kg | 1000kg unified load  | 500kg unified load   | N/A                  | 1000kg unified load  |

## PALLET PULLER

212)



| Pallet Puller       |    |     | VK 2                                                         |
|---------------------|----|-----|--------------------------------------------------------------|
| Product code        |    |     | VK 2                                                         |
| Capacity            | kg |     | 2000                                                         |
| Range               | mm |     | 30-200                                                       |
| Dimension           | mm | (A) | 340-552                                                      |
|                     |    | (B) | 310-390                                                      |
|                     |    | (C) | 88                                                           |
|                     |    | (D) | 19                                                           |
| Packing measurement | mm |     | 405 x 285 x 90 (Internal)<br>590 x 415 x 210/4pcs (External) |
| Net weight          | kg |     | 9                                                            |



213)



**Aluminium Single Sided Ladder**  
Product code: **K104 - K116**

**Features**

- Available in many sizes from 4 to 16 steps.
- Economical model for general application.
- Wide non-slip step provide comfort and stability.
- Powder coated and durable.
- Extra double groove design for better loading.

214)



**Aluminium Double Sided Ladder**  
Product code: **SDS04 - SDS16**

**Features**

- Available in many sizes from 4 to 16 steps.
- Identical front and back sections allow access from either side.
- Wide flat top good for tool test.
- Natural anodized for durability.

215)



**Aluminium Single Sided Heavy Duty Ladder**  
Product code: **HD04 - HD18**

**Features**

- Available in many sizes from 4 to 18 steps.
- Heavy duty siderails for exceptional load rating.
- Wide non-slip step provide comfort and stability.
- Powder coated.

216)



**Aluminium Double Sided Heavy Duty Ladder**  
Product code: **DSHD04 - DSHD18**

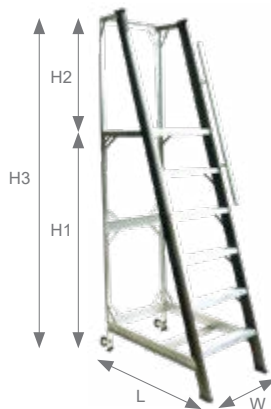
**Features**

- Available in many sizes from 4 to 18 steps.
- Heavy duty siderails for exceptional load rating.
- Wide non-slip step provide comfort and stability.
- Powder coated.

Design for: General household application.

| Product Code |    | K104   | K105   | K106   | K107   | K108   | K109   | K110   | K111   | K112   | K114   | K116   | -      |
|--------------|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|              |    | SDS04  | SDS05  | SDS06  | SDS07  | SDS08  | SDS09  | SDS10  | SDS11  | SDS12  | SDS14  | SDS16  | -      |
|              |    | HD04   | HD05   | HD06   | HD07   | HD08   | HD09   | HD10   | HD11   | HD12   | HD14   | HD16   | HD18   |
|              |    | DSHD04 | DSHD05 | DSHD06 | DSHD07 | DSHD08 | DSHD09 | DSHD10 | DSHD11 | DSHD12 | DSHD14 | DSHD16 | DSHD18 |
| Steps        | -  | 4      | 5      | 6      | 7      | 8      | 9      | 10     | 11     | 12     | 14     | 16     | 18     |
| Height       | mm | 1016   | 1270   | 1524   | 1778   | 2032   | 2286   | 2540   | 2807   | 3061   | 3569   | 4077   | 4585   |

217)



Wide platform 20"x20" with heavy duty siderail & handrail.

**Aluminium Warehouse Step Ladder**

Design for: Ideal for factory or warehouse heavy duty application where extra wide working platform serves as good rest.

**Features**

- Available in 6 to 10 steps.
- Design for warehouse & factory with goods storage rack.
- Large platform 20" x 20" provide comfortable working area.
- Rear rolling wheel provide higher mobility.

| Product Code |    | HWS06 | HWS08 | HWS10 |
|--------------|----|-------|-------|-------|
| Steps        | -  | 6     | 8     | 10    |
| H1           | mm | 1480  | 1988  | 2496  |
| H2           | mm | 743   |       |       |
| H3           | mm | 2223  | 2731  | 3239  |
| W            | mm | 524   |       |       |
| L            | mm | 937   | 1089  | 1220  |

218)



**Aluminium E Double Step Ladder**

Design for: General household application.

**Features**

- Available in many sizes from 3 to 8 steps.
- Made of light weight aluminium profiles and high-impact plastic parts for easy transit.
- PVC rubber shoes on 4 feet to ensure grip on floor when in use.

| Product Code |    | EDL03 | EDL04 | EDL05 | EDL06 | EDL07 | EDL08 |
|--------------|----|-------|-------|-------|-------|-------|-------|
| Steps        | -  | 3     | 4     | 5     | 6     | 7     | 8     |
| Height       | mm | 762   | 1016  | 1270  | 1524  | 1778  | 2032  |

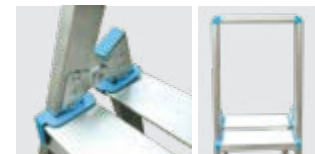
219)



**Aluminium E Ladder**

Easy operation durable zinc plated steel hinge with spreader to enhance spread looking.

- Quarter circle shaped 70mm extra wide steps provides firm footing and comfort.
- Natural anodized & colour PVC for durability.



| Product Code   |    | EL03 | EL04 | EL05 | EL06 | EL07 | EL08 |
|----------------|----|------|------|------|------|------|------|
| Steps          | -  | 3    | 4    | 5    | 6    | 7    | 8    |
| Upright Length | mm | 1133 | 1387 | 1641 | 1895 | 2149 | 2403 |

220)



### Aluminium 2 Way Ladder

| Product Code | Steps | Full Length (mm) | Folded Length (mm) |
|--------------|-------|------------------|--------------------|
| TW4          | 8     | 2108             | 1058               |
| TW5          | 10    | 2628             | 1318               |
| TW6          | 12    | 3148             | 1560               |
| TW7          | 14    | 3668             | 1838               |
| TW8          | 16    | 4188             | 2098               |

Design for: General household application.

221)



### Aluminium 3 Way Heavy Duty Ladder

| Product Code | Steps | Full Length (mm) | Folded Length (mm) |
|--------------|-------|------------------|--------------------|
| 3W05         | 10    | 3189             | 1593               |
| 3W06         | 12    | 3775             | 1886               |
| 3W07         | 14    | 4361             | 2179               |
| 3W08         | 16    | 4947             | 2472               |
| 3W09         | 18    | 5533             | 2765               |
| 3W10         | 20    | 6119             | 3058               |

Design for: General household application to light industry application.

222)



### Aluminium 2 in 1 Ladder

| Product Code | Steps | 'A' Type Height (mm) | Extended Length (mm) |
|--------------|-------|----------------------|----------------------|
| GL05         | 5     | 1275.08              | 2085.34              |
| GL06         | 6     | 1529.08              | 2339.34              |
| GL07         | 7     | 1783.08              | 2593.34              |
| GL08         | 8     | 2037.08              | 2847.34              |

Design for: Light industrial applications and renovation works. Also general household application where it can be formed into either long straight ladder or self-supporting 'A' type ladder.

223)



### Aluminium Multi-purpose Ladder

| Product Code | Steps | Straight Length (mm) | A-Type Length (mm) | Platform Length (mm) | Folded Length (mm) | Leg Spread (mm) |
|--------------|-------|----------------------|--------------------|----------------------|--------------------|-----------------|
| SMP08        | 8     | 2601                 | 1303               | 775                  | 766                | 595             |
| SMP10        | 10    | 3185                 | 1590               | 1069                 | 1055               | 595             |
| SMP12        | 12    | 3769                 | 1885               | 1069                 | 1055               | 595             |
| SMP14        | 14    | 4386                 | 2194               | 1360                 | 1351               | 595             |
| SMP16        | 16    | 4940                 | 2476               | 1360                 | 1351               | 595             |

ectural renovations works.

224)



### Aluminium Single Pole Ladder

| Product Code | Rung (ft) | Full Length (m) |
|--------------|-----------|-----------------|
| SM08SP       | 7         | 2.36            |
| SM10SP       | 9         | 2.96            |
| SM12SP       | 11        | 3.56            |
| SM15SP       | 14        | 4.46            |
| SM16SP       | 15        | 5.06            |
| SM18SP       | 17        | 5.66            |
| SM20SP       | 19        | 6.26            |

Design for: Industrial application where access to higher level of height is required.

225)



### Aluminium Double Extension Ladder

| Product Code | Rung (ft) | Length (m)  | Extended (m) |
|--------------|-----------|-------------|--------------|
| SM08DE       | 14        | 2.36 x 2.36 | 4.14         |
| SM10DE       | 18        | 2.96 x 2.96 | 5.34         |
| SM12DE       | 22        | 3.56 x 3.56 | 6.54         |
| SM15DE       | 28        | 4.46 x 4.46 | 8.34         |
| SM16DE       | 30        | 5.06 x 5.06 | 8.42         |
| SM18DE       | 34        | 5.66 x 5.66 | 9.62         |
| SM20DE       | 38        | 6.26 x 6.26 | 10.82        |

Design for: Architectural renovation works and industrial application where access to higher height is in demand.

226)



### Aluminium Triple Extension Ladder

| Product Code | Rung (ft) | Length (m)         | Extended (m) |
|--------------|-----------|--------------------|--------------|
| SM08TE       | 21        | 2.36 x 2.36 x 2.36 | 5.92         |
| SM10TE       | 27        | 2.96 x 2.96 x 2.96 | 7.72         |
| SM12TE       | 33        | 3.56 x 3.56 x 3.56 | 9.52         |
| SM15TE       | 42        | 4.46 x 4.46 x 4.46 | 12.22        |
| SM16TE       | 45        | 5.06 x 5.06 x 5.06 | 12.34        |
| SM18TE       | 51        | 5.66 x 5.66 x 5.66 | 14.14        |
| SM20TE       | 57        | 6.26 x 6.26 x 6.26 | 15.94        |

Design for: Architectural renovation works and industrial application. From general household application to factory access equipment.

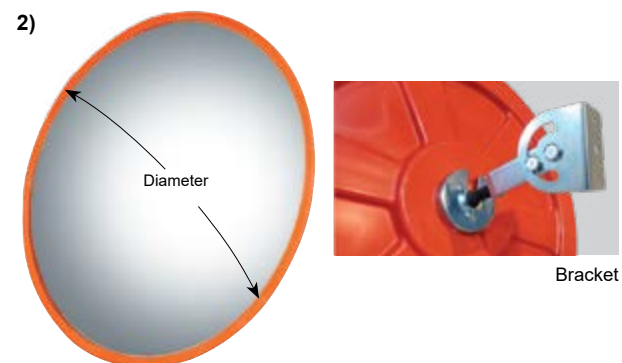


## Outdoor Polycarbonate Convex Mirror



| Product code    | Diameter (cm) | Pole bracket (cm) |
|-----------------|---------------|-------------------|
| <b>PCOM 60</b>  | Ø60           | Ø5                |
| <b>PCOM 80</b>  | Ø80           | Ø7.5              |
| <b>PCOM 100</b> | Ø100          | Ø7.5              |

## Indoor Polycarbonate Convex Mirror

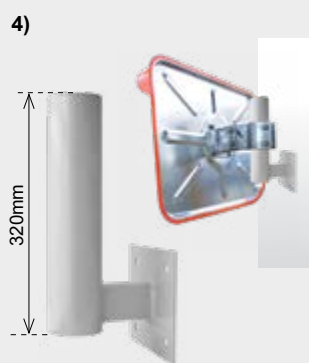


| Product code   | Diameter (cm) | Pole bracket (cm) |
|----------------|---------------|-------------------|
| <b>PCIM 45</b> | Ø45           | Ø5                |
| <b>PCIM 60</b> | Ø60           | Ø7.5              |

## Indoor Dome Mirror



## Accessories



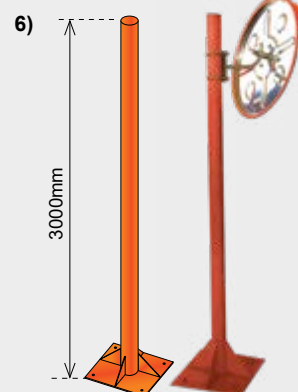
### L-Pole

|                 |                |
|-----------------|----------------|
| Product code    | <b>LP 0612</b> |
| Diameter (mm)   | Ø75            |
| Height (mm)     | 320            |
| Wall Plate (mm) | 150 x 150      |
| Colour          | Light Grey     |



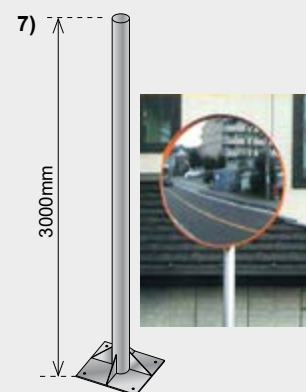
### Ceiling Pole

|                    |                |
|--------------------|----------------|
| Product code       | <b>CP 0328</b> |
| Diameter (mm)      | Ø75            |
| Height (mm)        | 700            |
| Ceiling Plate (mm) | 152 x 152      |
| Colour             | Light Grey     |



### Mild Steel Pole

|                 |                   |
|-----------------|-------------------|
| Product code    | <b>POLE 75x3M</b> |
| Diameter (mm)   | Ø75               |
| Height (mm)     | 3000              |
| Base Plate (mm) | 305 x 460         |
| Colour          | Orange            |



### Galvanized Pole

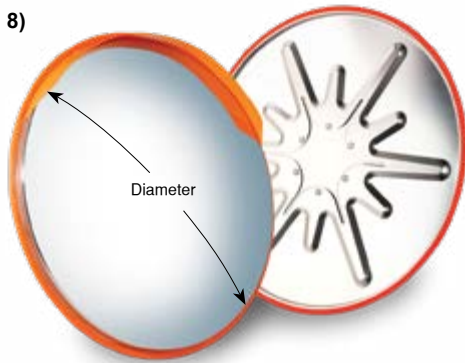
|                 |                       |
|-----------------|-----------------------|
| Product code    | <b>HDG POLE 75x3M</b> |
| Diameter (mm)   | Ø75                   |
| Height (mm)     | 3000                  |
| Base Plate (mm) | 305 x 460             |

Remarks: SSCM 1000, SSCM 800, RTCM 6080, RTCM 4560 use only.

## Outdoor Stainless Steel Convex Mirror

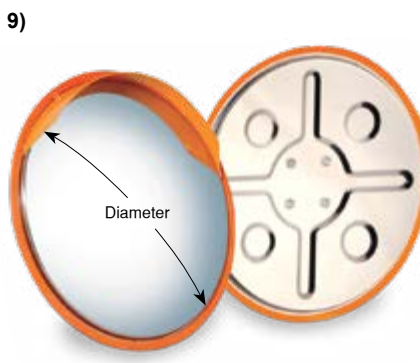
- Round Mirror

8)



|                    |                   |
|--------------------|-------------------|
| Product code       | <b>SSCM 1000</b>  |
| Diameter (mm)      | Ø1000             |
| Carton size (mm)   | 1105 x 1085 x 128 |
| Qty carton (pc)    | 1                 |
| G.W. (kg)          | 19.58             |
| Mounted on         | Pole              |
| Pole diameter (mm) | Ø75               |

9)



|                    |                 |
|--------------------|-----------------|
| Product code       | <b>SSCM 800</b> |
| Diameter (mm)      | Ø800            |
| Carton size (mm)   | 905 x 895 x 128 |
| Qty carton (pc)    | 1               |
| G.W. (kg)          | 14.05           |
| Mounted on         | Pole            |
| Pole diameter (mm) | Ø75             |



Carpark Entrance & Exits

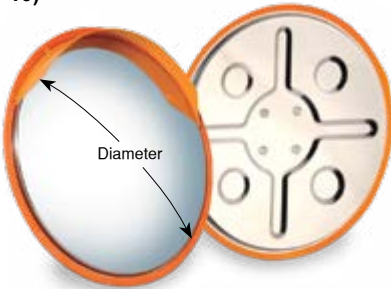


Railway Stations



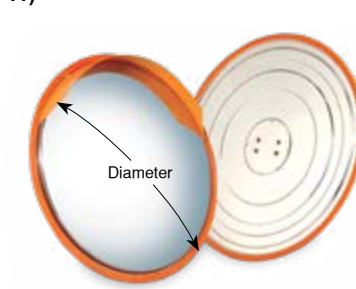
Hilly / Winding Road

10)



|                    |                 |
|--------------------|-----------------|
| Product code       | <b>SSCM 600</b> |
| Diameter (mm)      | Ø600            |
| Carton size (mm)   | 680 x 680 x 175 |
| Qty carton (pc)    | 1               |
| G.W. (kg)          | 7.95            |
| Mounted on         | Pole            |
| Pole diameter (mm) | Ø75             |

11)



|                    |                 |
|--------------------|-----------------|
| Product code       | <b>SSCM 490</b> |
| Diameter (mm)      | Ø490            |
| Carton size (mm)   | 582 x 552 x 70  |
| Qty carton (pc)    | 1               |
| G.W. (kg)          | 3.77            |
| Mounted on         | Wall / Pole     |
| Pole diameter (mm) | Ø50             |



Intersection



Airport

## Why Stainless Steel

| Material        | Weather Resistant | Impact Resistant | Reflectiveness | Lifespan (Yrs) |
|-----------------|-------------------|------------------|----------------|----------------|
| Stainless Steel | ✓ ✓ ✓ ✓ ✓         | ✓ ✓ ✓ ✓ ✓        | ✓ ✓ ✓ ✓ ✓      | 10             |
| Acrylic         | ✓ ✓ ✓             | ✓ ✓              | ✓ ✓            | < 1            |
| Polycarbonate   | ✓ ✓               | ✓ ✓ ✓ ✓          | ✓ ✓ ✓          | < 2            |
| Glass           | ✓ ✓               | ✓                | ✓ ✓            | < 3            |

Remarks: ✓ ✓ ✓ ✓ ✓ Best    ✓ ✓ ✓ ✓ Good    ✓ ✓ ✓ Normal    ✓ ✓ Poor    ✓ Very Poor

Source: PIARC committee on road safety. Japan's traffic mirror guide.

## Advantages of Stainless Steel

- ✓ Extreme weather conditions.
- ✓ Virtually tough.
- ✓ Unbreakable.
- ✓ Durable. Thus, reduce cost in long term.
- ✓ Minimum maintenance.

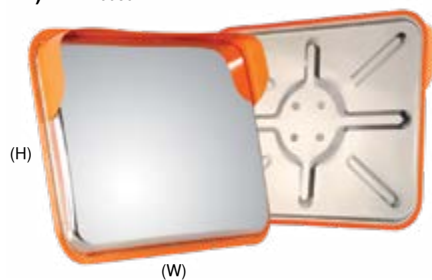




## Outdoor Stainless Steel Convex Mirror

### - Rectangle Mirror

12) RTCM 6080



13) RTCM 4560



14) RTCM 2030

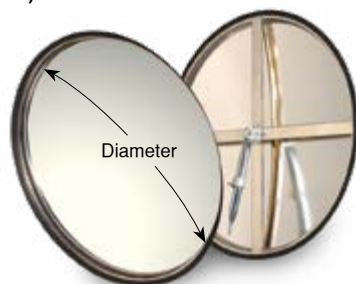


| Product code       | RTCM 6080       | RTCM 4560       | RTCM 2030      |
|--------------------|-----------------|-----------------|----------------|
| Dimension HxW (mm) | 600 x 800       | 450 x 600       | 200 x 300      |
| Carton size (mm)   | 885 x 790 x 140 | 633 x 695 x 140 | 490 x 56 x 238 |
| Qty carton (pc)    | 1               | 1               | 1              |
| G.W. (kg)          | 12.97           | 9.10            | 1.41           |
| Mounted on         | Pole            | Pole            | Wall / Pole    |
| Pole diameter (mm) | Ø75             | Ø75             | Ø50            |

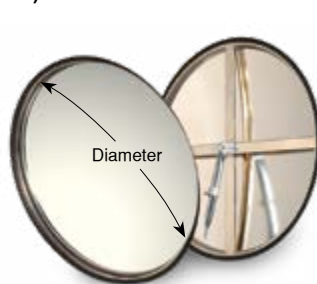
## Indoor Stainless Steel Convex Mirror

### - Round Mirror

15) SUS 600



16) SUS 490



| Product code     | SUS 600         | SUS 490         |
|------------------|-----------------|-----------------|
| Diameter (mm)    | Ø600            | Ø490            |
| Carton size (mm) | 675 x 675 x 117 | 525 x 525 x 110 |
| Qty carton (pc)  | 1               | 1               |
| G.W. (kg)        | 3.85            | 2.45            |
| Mounted on       | Wall            | Wall            |



Wall mounted



SUS 490, SUS 600  
bracket

### Wall & pole bracket Ø50mm

SSCM 490  
RTCM 2030  
bracket



### Pole bracket Ø75mm

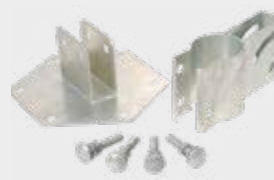
SSCM 600  
bracket



SSCM 800  
RTCM 4560  
RTCM 6080  
bracket



SSCM 1000  
bracket







# OFFICE SYSTEMS

Page 170 - 182

# IDEAL FOR SPACE



## FULL HEIGHT CUPBOARD



**FC 301**

**Description :**  
Full Height Cupboard Without Door  
C/W 3 Adjustable Shelves

**Dimension :**  
915W x 457D x 1828H (mm)



**FC 302**

**Description :**  
Full Height Cupboard With Steel  
Swinging Door C/W 3 Adjustable  
Shelves

**Dimension :**  
915W x 457D x 1828H (mm)



**FC 302L**

**Description :**  
Full Height Cupboard With Steel  
Swinging Door & Locking Bar C/W  
3 Adjustable Shelves

**Dimension :**  
915W x 457D x 1828H (mm)



**FC 303**

**Description :**  
Full Height Cupboard With Steel Sliding  
Door C/W 3 Adjustable Shelves

**Dimension :**  
915W x 457D x 1828H (mm)



**FC 304**

**Description :**  
Full Height Cupboard With Glass Sliding  
Door C/W 3 Adjustable Shelves

**Dimension :**  
915W x 457D x 1828H (mm)



**FC 305**

**Description :**  
Full Height Cupboard With Glass  
Swinging Door C/W 3 Adjustable Shelves

**Dimension :**  
915W x 457D x 1828H (mm)

### COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE  
(BEIGE + BROWN)



## HALF HEIGHT CUPBOARD



### HC 201

**Description :**  
Half Height Cupboard Without Door  
C/W 1 Adjustable Shelves

**Dimension :**  
915W x 457D x 915H (mm)



### HC 202

**Description :**  
Half Height Cupboard With Steel  
Swinging Door C/W 1 Adjustable  
Shelves

**Dimension :**  
915W x 457D x 915H (mm)



### HC 202L

**Description :**  
Half Height Cupboard With Steel Swinging  
Door C/W 1 Adjustable Shelves + Locking  
Bar

**Dimension :**  
915W x 457D x 915H (mm)



### HC 203

**Description :**  
Half Height Cupboard With Steel Sliding  
Door C/W 1 Adjustable Shelves

**Dimension :**  
915W x 457D x 915H (mm)



### HC 204

**Description :**  
Half Height Cupboard With Glass Sliding  
Door C/W 1 Adjustable Shelves

**Dimension :**  
915W x 457D x 915H (mm)

### COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE  
(BEIGE + BROWN)

# FILING CABINET



**FC 2B**

**Description :**  
2 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide

**Dimension :**  
465W x 625D x 720H (mm)



**FC 3B**

**Description :**  
3 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide

**Dimension :**  
465W x 625D x 1020H (mm)



**FC 4B**

**Description :**  
4 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide

**Dimension :**  
465W x 625D x 1320H (mm)



**FC 4BL**

**Description :**  
4 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide & Locking Bar

**Dimension :**  
465W x 625D x 1320H (mm)



**FC 5B**

**Description :**  
5 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide

**Dimension :**  
465W x 625D x 1620H (mm)



**Ball Bearing Slide**



**FC 5BL**

**Description :**  
5 Drawer Filing Cabinet with Recess Handle C/W Ball Bearing Slide & Locking Bar

**Dimension :**  
465W x 625D x 1620H (mm)

## COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE  
(BEIGE + BROWN)



# MOBILE COMPACTOR



## Per Bay Measurement (Standard):

915W x 420D x 2115H (mm)

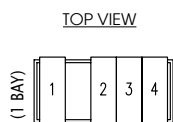
No. of shelf per bay: With built-in lateral file holder, 4 pieces of lateral shelf and 1 piece base shelf to provides 5 tier filing storage.  
(Max loading capacity : 50kg per shelf)

## Material Used:

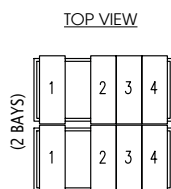
- Cold rolled steel plate for the whole bay's body and shelves (0.8mm).
- Square hollow section and steel flat bar for the track & rail.
- Cold rolled steel bearing and bearing base.

**Finish:** Powder Coating

**Locking Device:** A central locking provided on the back of last single mobile bay for simple locking purposes.



MC4x1



MC4x2



Handle



Lateral Shelf  
(Can hang filing pocket)



Central Locking Lock

| MC 4x1                                                       | MC 5x1                                                       | MC 6x1                                                       | MC 7x1                                                       | MC 8x1                                                       | MC 10x1                                                       | MC 12x1                                                       |
|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| <b>Description :</b><br>4 x 1 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>5 x 1 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>6 x 1 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>7 x 1 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>8 x 1 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>10 x 1 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>12 x 1 Bays Depth<br>Mobile Compactor |
| <b>Dimension (mm) :</b><br>2440W<br>915D<br>2115H            | <b>Dimension (mm) :</b><br>2860W<br>915D<br>2115H            | <b>Dimension (mm) :</b><br>3280W<br>915D<br>2115H            | <b>Dimension (mm) :</b><br>3700W<br>915D<br>2115H            | <b>Dimension (mm) :</b><br>4120W<br>915D<br>2115H            | <b>Dimension (mm):</b><br>4960W<br>915D<br>2115H              | <b>Dimension (mm):</b><br>5800W<br>915D<br>2115H              |

| MC 4x2                                                       | MC 5x2                                                       | MC 6x2                                                       | MC 7x2                                                       | MC 8x2                                                       | MC 10x2                                                       | MC 12x2                                                       |
|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| <b>Description :</b><br>4 x 2 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>5 x 2 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>6 x 2 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>7 x 2 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>8 x 2 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>10 x 2 Bays Depth<br>Mobile Compactor | <b>Description :</b><br>12 x 2 Bays Depth<br>Mobile Compactor |
| <b>Dimension (mm) :</b><br>2440W<br>1830D<br>2115H           | <b>Dimension (mm) :</b><br>2860W<br>1830D<br>2115H           | <b>Dimension (mm) :</b><br>3280W<br>1830D<br>2115H           | <b>Dimension (mm) :</b><br>3700W<br>1830D<br>2115H           | <b>Dimension (mm) :</b><br>4120W<br>1830D<br>2115H           | <b>Dimension (mm):</b><br>4960W<br>1830D<br>2115H             | <b>Dimension (mm):</b><br>5800W<br>1830D<br>2115H             |

## COLOUR OPTION :



LIGHT GREY



BEIGE

# MULTIPLE STEEL LOCKER



## 3 Compartments

### Description :

3 Compartments Steel Locker with 1 Cloth Hanging Bar & 1 Fixed Shelf at bottom at each compartment

### 4 Optional Dimension :

**SL3 3615** : 915W x 381D x 1828H (mm)

**SL3 3618** : 915W x 457D x 1828H (mm)

**SL3 4515** : 1143W x 381D x 1828H (mm)

**SL3 4518** : 1143W x 457D x 1828H (mm)



## 6 Compartments

### Description :

6 Compartments Steel Locker with 1 Cloth Hanging Bar & 1 Fixed Shelf at bottom at each compartment

### 4 Optional Dimension :

**SL6 3615** : 915W x 381D x 1828H (mm)

**SL6 3618** : 915W x 457D x 1828H (mm)

**SL6 4515** : 1143W x 381D x 1828H (mm)

**SL6 4518** : 1143W x 457D x 1828H (mm)



## 9 Compartments

### Description :

9 Compartments Steel Locker

### 4 Optional Dimension :

**SL9 3615** : 915W x 381D x 1828H (mm)

**SL9 3618** : 915W x 457D x 1828H (mm)

**SL9 4515** : 1143W x 381D x 1828H (mm)

**SL9 4518** : 1143W x 457D x 1828H (mm)



## 12 Compartments

### Description :

12 Compartments Steel Locker

### 4 Optional Dimension :

**SL12 3615** : 915W x 381D x 1828H (mm)

**SL12 3618** : 915W x 457D x 1828H (mm)

**SL12 4515** : 1143W x 381D x 1828H (mm)

**SL12 4518** : 1143W x 457D x 1828H (mm)



## 15 Compartments

### Description :

15 Compartments Steel Locker

### 4 Optional Dimension :

**SL15 3615** : 915W x 381D x 1828H (mm)

**SL15 3618** : 915W x 457D x 1828H (mm)

**SL15 4515** : 1143W x 381D x 1828H (mm)

**SL15 4518** : 1143W x 457D x 1828H (mm)



## 18 Compartments

### Description :

18 Compartments Steel Locker

### 4 Optional Dimension :

**SL18 3615** : 915W x 381D x 1828H (mm)

**SL18 3618** : 915W x 457D x 1828H (mm)

**SL18 4515** : 1143W x 381D x 1828H (mm)

**SL18 4518** : 1143W x 457D x 1828H (mm)

## COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE  
(BEIGE + BROWN)



## STEEL LOCKER



**SL1 1515**

**Description :**

1 Compartments Steel Locker with 1 Cloth Hanging Bar & 1 Fixed Shelve at bottom.

**2 Optional Dimension :**

**SL1 1515 :** 381W x 381D x 1828H (mm)  
**SL1 1518 :** 381W x 457D x 1828H (mm)



**SL2 1515**

**Description :**

2 Compartments Steel Locker with 1 Cloth Hanging Bar & 1 Fixed Shelve at bottom at each Compartment.

**2 Optional Dimension :**

**SL2 1515 :** 381W x 381D x 1828H (mm)  
**SL2 1518 :** 381W x 457D x 1828H (mm)



**SL3 1515**

**Description :**

3 Compartments Steel Locker

**2 Optional Dimension :**

**SL3 1515 :** 381W x 381D x 1828H (mm)  
**SL3 1518 :** 381W x 457D x 1828H (mm)



**SL4 1515**

**Description :**

4 Compartments Steel Locker

**2 Optional Dimension :**

**SL4 1515 :** 381W x 381D x 1828H (mm)  
**SL4 1518 :** 381W x 457D x 1828H (mm)



**SL5 1515**

**Description :**

5 Compartments Steel Locker

**2 Optional Dimension :**

**SL5 1515 :** 381W x 381D x 1828H (mm)  
**SL5 1518 :** 381W x 457D x 1828H (mm)



**SL6 1515**

**Description :**

6 Compartments Steel Locker

**2 Optional Dimension :**

**SL6 1515 :** 381W x 381D x 1828H (mm)  
**SL6 1518 :** 381W x 457D x 1828H (mm)

**COLOUR OPTION :**



LIGHT GREY



BEIGE



2 TONE  
(BEIGE + BROWN)

## HALF HEIGHT MULTIPLE LOCKER



**Half Height 6 Compartment**

**Description :**  
Half Height 6 Compartment Steel Locker

**4 Optional Dimension :**  
**HL6 3615 :** 915W x 381D x 915H (mm)  
**HL6 3618 :** 915W x 457D x 915H (mm)  
**HL6 4515 :** 1143W x 381D x 915H (mm)  
**HL6 4518 :** 1143W x 457D x 915H (mm)



**Half Height 9 Compartment**

**Description :**  
Half Height 9 Compartment Steel Locker

**4 Optional Dimension :**  
**HL9 3615 :** 915W x 381D x 915H (mm)  
**HL9 3618 :** 915W x 457D x 915H (mm)  
**HL9 4515 :** 1143W x 381D x 915H (mm)  
**HL9 4518 :** 1143W x 457D x 915H (mm)

## CUSTOM MADE ITEM



**SCM 0003**

**Description :**  
36 Compartment Steel Locker  
with Steel Swinging Door c/w  
Camlock

**Dimension :**  
915W x 381D x 1828H (mm)



**SCM 0004**

**Description :**  
Full Height 30 Pigeon Hole

**Dimension :**  
915W x 457D x 1828H (mm)

### COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE  
(BEIGE + BROWN)



## PIGEON HOLE



### PH6ST

**Description :**  
6 Pigeon Hole Side Table

**Dimension :**  
915W x 381D x 930H (mm)

### PH9ST

**Description :**  
9 Pigeon Hole Side Table

**Dimension :**  
915W x 381D x 890H (mm)

### 12 Pigeon Hole

**Description :**  
Full Height 12 Pigeon Hole

**4 Optional Dimension :**  
**PH12 3615 :**  
915W x 381D x 1828H (mm)  
**PH12 3618 :**  
915W x 457D x 1828H (mm)  
**PH12 4515 :**  
1143W x 381D x 1828H (mm)  
**PH12 4518 :**  
1143W x 457D x 1828H (mm)

### 15 Pigeon Hole

**Description :**  
Full Height 15 Pigeon Hole

**4 Optional Dimension :**  
**PH15 3615 :**  
915W x 381D x 1828H (mm)  
**PH15 3618 :**  
915W x 457D x 1828H (mm)  
**PH15 4515 :**  
1143W x 381D x 1828H (mm)  
**PH15 4518 :**  
1143W x 457D x 1828H (mm)

### 18 Pigeon Hole

**Description :**  
Full Height 18 Pigeon Hole

**4 Optional Dimension :**  
**PH18 3615 :**  
915W x 381D x 1828H (mm)  
**PH18 3618 :**  
915W x 457D x 1828H (mm)  
**PH18 4515 :**  
1143W x 381D x 1828H (mm)  
**PH18 4518 :**  
1143W x 457D x 1828H (mm)

## WARDROBE



### FC 306

**Description :**  
Full Height Wardrobe With Steel Swinging Door C/W 1 Cloth Hanging Bar, 3 Fixed Shelves, 1 Drawer with Camlock & 1 Mirror

**Dimension :**  
915W x 525D x 1828H (mm)



### FC 307

**Description :**  
Full Height Wardrobe With Steel Swinging Door C/W 1 Adjustable Shelf at Top & Cloth Hanging Bar at Bottom

**Dimension :**  
915W x 457D x 1828H (mm)



### FC 308

**Description :**  
Full Height Wardrobe With Steel Swinging Door C/W 1 Cloth Hanging Bar at Top & 1 Adjustable Shelf at Bottom

**Dimension :**  
915W x 457D x 1828H (mm)

### COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE  
(BEIGE + BROWN)

## MOBILE PEDESTAL



**PD 109**

**Description :**  
Steel Mobile Pedestal with  
Ball Bearing Slide  
- 2 Drawer + 1 File

**Dimension :**  
400W x 490D x 680H (mm)



**PD 110**

**Description :**  
Steel Mobile Pedestal with  
Ball Bearing Slide  
- 3 Drawer

**Dimension :**  
400W x 490D x 550H (mm)

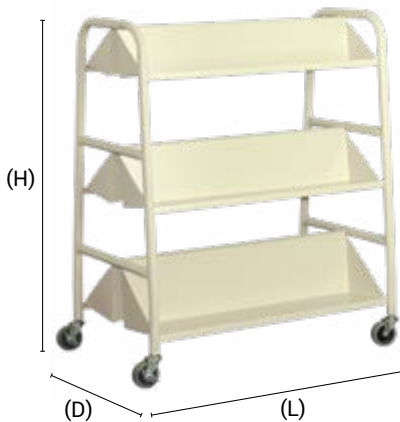


**PD 111**

**Description :**  
Steel Mobile Pedestal with  
Ball Bearing Slide  
- 1 Drawer + 1 File

**Dimension :**  
400W x 490D x 530H (mm)

## BOOK TROLLEY



**BT 264**

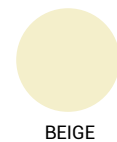
**Description :**  
Double Sided Book Trolley

**Dimension :**  
790W x 510D x 1050H (mm)

Utilize our book trolley for  
easy access and storage.  
Useful for schools, libraries  
& laboratories to store books  
and other publications tidily.

- Double / single sided 3  
angles tiers shelves
- Full steel construction

### COLOUR OPTION :



BEIGE

## KICK STEP STOOL



**KSS 02**

**Description :**  
Kick Step Stool

**Dimension :**  
Weight : 4.5kg  
Height : 435mm  
Top : Ø290mm  
Base : Ø435mm

Our smart stools have concealed castors  
that are designed to lock in place. The  
base is surrounded by a rubber rim,  
which provides additional grip.

### COLOUR OPTION :



GREY



## LIBRARY SHELVING



**S315W**

**Description :**  
Library Shelving Single  
Sided without Side Panel  
- 5 Level

**Dimension :**  
950W x 313D x 1690H (mm)



**S316W**

**Description :**  
Library Shelving Single  
Sided without Side Panel  
- 6 Level

**Dimension :**  
950W x 313D x 1995H (mm)



**S317W**

**Description :**  
Library Shelving Single  
Sided without Side Panel  
- 7 Level

**Dimension :**  
950W x 313D x 2300H (mm)



**S315**

**Description :**  
Library Shelving Single  
Sided with Side Panel  
- 5 Level

**Dimension :**  
950W x 313D x 1690H (mm)



**S316**

**Description :**  
Library Shelving Single  
Sided with Side Panel  
- 6 Level

**Dimension :**  
950W x 313D x 1995H (mm)



**S317**

**Description :**  
Library Shelving Single  
Sided with Side Panel  
- 7 Level

**Dimension :**  
950W x 313D x 2300H (mm)

### COLOUR OPTION :



LIGHT GREY



BEIGE

## LIBRARY SHELVING



**S325W**

**Description :**  
Library Shelving Double  
Sided without Side Panel  
- 5 Level

**Dimension :**  
950W x 550D x 1690H (mm)



**S326W**

**Description :**  
Library Shelving Double  
Sided without Side Panel  
- 6 Level

**Dimension :**  
950W x 550D x 1995H (mm)



**S327W**

**Description :**  
Library Shelving Double  
Sided without Side Panel  
- 7 Level

**Dimension :**  
950W x 550D x 2300H (mm)



**S325**

**Description :**  
Library Shelving Double  
Sided with Side Panel  
- 5 Level

**Dimension :**  
950W x 550D x 1690H (mm)



**S326**

**Description :**  
Library Shelving Double  
Sided with Side Panel  
- 6 Level

**Dimension :**  
950W x 550D x 1995H (mm)



**S327**

**Description :**  
Library Shelving Double  
Sided with Side Panel  
- 7 Level

**Dimension :**  
950W x 550D x 2300H (mm)

### COLOUR OPTION :



LIGHT GREY



BEIGE



## PEDESTAL DESK



**PD 101**

**Description :**  
5' L-Shape Pedestal Desk  
(Black Linoleum Top)

**Dimension :**  
1524W x 762D x 762H (mm)



**PD 103**

**Description :**  
4' Single Pedestal Desk  
(Black Linoleum Top)

**Dimension :**  
1220W x 762D x 762H (mm)



**PD 112**

**Description :**  
4' Single Pedestal Desk with Block Leg  
(Black Linoleum Top)

**Dimension :**  
1220W x 762D x 762H (mm)



**Description :**  
5' L-Shape Pedestal Desk  
(Melamine Chipboard Top)

**Dimension :**  
1524W x 762D x 762H (mm)



**PD 104**

**Description :**  
4' Single Pedestal Desk  
(Melamine Chipboard Top)

**Dimension :**  
1220W x 762D x 762H (mm)

### COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE  
(BEIGE + BROWN)

### MELAMINE CHIPBOARD TOP OPTION :



BEECH



CHERRY



MAPLE



LIGHT GREY

## PEDESTAL DESK



### PD 105

**Description :**  
5' Double Pedestal Desk  
(Black Linoleum Top)

**Dimension :**  
1524W x 762D x 762H (mm)

### PD 106

**Description :**  
5' Double Pedestal Desk  
(Melamine Chipboard Top)

**Dimension :**  
1524W x 762D x 762H (mm)



### PD 107

**Description :**  
4' General Purpose Table  
with Centre Drawer  
(Black Linoleum Top)

**Dimension :**  
1220W x 762D x 762H (mm)

### PD 108

**Description :**  
5' General Purpose Table  
with Centre Drawer  
(Black Linoleum Top)

**Dimension :**  
1524W x 762D x 762H (mm)



### PD 113

**Description :**  
4' Utility Table  
(Black Linoleum Top)

**Dimension :**  
1220W x 762D x 762H (mm)

### PD 114

**Description :**  
5' Utility Table  
(Black Linoleum Top)

**Dimension :**  
1524W x 762D x 762H (mm)

#### COLOUR OPTION :



LIGHT GREY



BEIGE



2 TONE  
(BEIGE + BROWN)

#### MELAMINE CHIPBOARD TOP OPTION :



BEECH



CHERRY



MAPLE



LIGHT GREY





## TTF Marketing Holdings Sdn. Bhd.

199601035401 (407754-H)

### Headquarters

Lot 6, Jalan Perusahaan 1,  
Kawasan Perusahaan PKNS,  
Batu 17, 48000 Rawang,  
Selangor Darul Ehsan, Malaysia.

☎ +603 6091 8800

📠 +603 6091 3300

🌐 [info@ttfgroup.com](mailto:info@ttfgroup.com)

### Johor Branch

No. 3, Jalan Kencana Emas 2/2,  
Kawasan Perindustrian Tebrau III,  
81100 Johor Bahru,  
Johor Darul Takzim, Malaysia.

☎ +607 352 2233

📠 +607 351 2233

🌐 [jb@ttfgroup.com](mailto:jb@ttfgroup.com)

Google Maps or WAZE : TTF



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