



Making Handling A Breeze



**Material
Handling
Equipment**

**Variety of
Handling
Equipment.**

We supplied wide range of material handling equipment to cater customers need.



KOMADA
Material Handling Equipment

Optimize Your Material Flow with Our Premium Handling Equipment. Our catalog presents a comprehensive selection of high-quality material handling equipment designed to improve efficiency and safety in your operations. Explore our range of platform trolleys, hand pallet truck, electric stackers, and more. Find the reliable solutions you need to move your business forward.

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1 Strong Flexibility

- Ultra thin body, fast shuttle, strong flexibility
- Flexible access to various types of products via dedicated channels;
 - A range of shelf configurations offering diverse operational methods, accommodating the needs of diverse users and varying levels of work intensity.



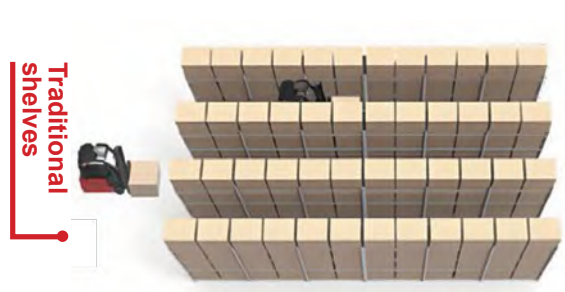
Last-in, first-out (LIFO) mode



First-in, first-out (FIFO) mode

2 Efficient space utilization

- High-density storage, efficient handling, enhancing space utilization
- The shelves can be arranged in a dense configuration, allowing forklifts to operate solely at the warehouse entrance.
 - With shuttle cars efficiently transporting goods to their designated positions. The warehouse space is fully utilized, achieving a utilization rate of over 80%.
 - The battery capacity is standardly equipped with 48V/30Ah, capable of continuous operation for 6 to 8 hours.



Traditional shelves

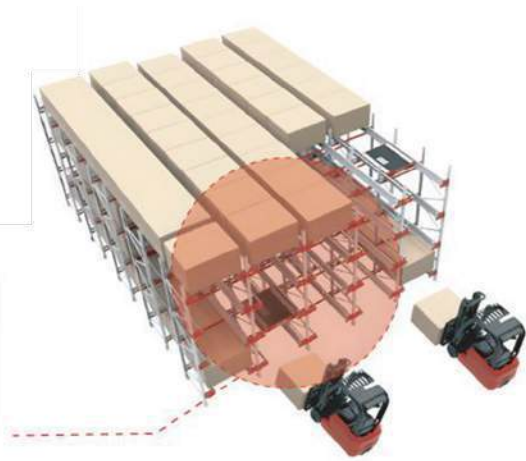


Shuttle shelves

Utilization rate
80%

3 Safe and Reliable

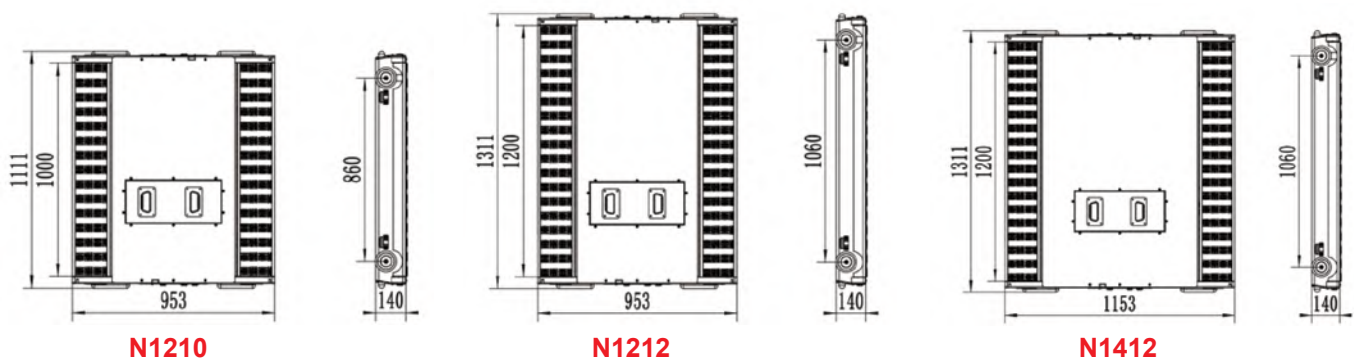
- Laser + photoelectric dual positioning, flexible motion control, comprehensive safety protections, ensuring safety and reliability.
- Forklifts and personnel are not required to enter the aisles, enhancing the safety of both staff and cargo.
 - When compared to drive-in and through rack systems, the structure is more stable and the safety factor is higher.



Product Parameters

Product code		N1210	N1212	N1412
Basic Parameters				
Dimension	mm	953W x 1111L x 140H	953W x 1311L x 140H	953W x 1311L x 140H
Weight	kg	260	280	300
Rated load	kg	1500		
Lifting height	mm	45		
Drive wheel size	mm	100		
Drive wheel spacing	mm	859	1059	1059
Guide wheel size	mm	50		
Laser range distance	m	0.03~10		
Applicable tray size	mm	1200 x 1000	1200 x 1200	1400 x 1200
Applicable tray types		Chuan Shaped; Tian Shape		
Ambient temperature		-10°C ~ 50°C		
Ambient humidity		≤85% No Condensation		
Track adaptation		All sizes of tracks		
Storage spacing		5-25cm adjustable		
Speed control mode		Flexible motion control		
Operating noise		≤70dB		
Motion Performance				
Full load moving speed	m/s	0.9		
No load moving speed	m/s	1.2		
Motion positioning method		Laser		
Tray positioning method		Laser and Optoelectronic		
Lifting positioning method		Proximity switch		
Repeatability		5		
Battery type		Lithium Iron Phosphate		
Battery Performance				
Rated voltage	V	48		
Battery capacity	AH	30AH		
Rechargeable times		2000		
Full power working time		8H		
Charging time		3-4h		
Charging method		Independent battery charge		
Safety Protection				
Automatic avoid-obstacle		✓	✓	✓
Anti-collision stripes		✓	✓	✓
Remote emergency stop		✓	✓	✓
Tray in place detection		✓	✓	✓
Fault warning light		✓	✓	✓

All parameters can be customized according to requirements, and all models can be customized with cold storage versions.



Product Overview

A Pallet Shuttle is an advanced material handling system designed to optimize warehouse storage and retrieval process. This system consists of automated vehicles that operate within specially designed racks to store and retrieve pallets or cases.



Product Parameters

Product code		AXS-S-1200x1000-T1.5	BXS-S-1200x1000-T1.5	DXS-S-1200x1000-T1.5	CXS-S-1200x1200-T2
Basic Parameters					
Dimension	mm	964W x 1040L x 171H	948W x 1040L x 171H	948W x 1040L x 147H	952W x 1200L x 174H
Rail height	mm	140	163	126	163
Weight	kg	250	250	230	300
Rated load	kg	1500	1500	1500	2000
Standard pallet size	mm	1200W x 1000D Customizable W1000~1600 x D1000~1600			W1200 x D1200, Customizable W1200~1600 x D1200~1600
Control method (Optional)	mm	Remote control / Wi-Fi Option			
Operating temperature (Optional)	mm	Standard Temperature Range (-20°C ~ +60°C) Low Temperature Range (-25°C ~ +0°C)			
Performance					
Unloaded travel speed	m/s	1	1	1	0.7
Loaded travel speed	m/s	0.8	0.8	0.8	0.5
Acceleration	m/s	0.3	0.3	0.3	0.2
Lift time	s	3	3	2.5	3.5
Motor power		750W	750W	750W	1200W
Positioning accuracy	mm	± 3mm	± 3mm	± 3mm	± 3mm
Number of wheels		4 wheels (Polyurethane)	4 wheels (Polyurethane)	4 wheels (Polyurethane)	8 wheels (Polyurethane)
Wheel diameter	mm	100mm	110mm	100mm	110mm
Battery					
Battery capacity		48V30, 40, 50AH (Optional)			
Working times		6-8H			
Charging time		2-3H			
Battery type		LiFePO4 Battery			
Number of charge / discharge cycles		1500			

All parameters can be customized according to requirements, and all models can be customized with cold storage versions.



FILO



FIFO



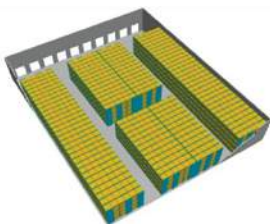
Pallet shuttle advantages

For the original drive-in rack, many forklift work channels must be reserved for forklift to place cargo on to rack by directly entering warehouse area. This mode has a big disadvantage, i.e. wasting time and energy, which seriously affects the management efficiency in the warehouse. Now it is changed to shuttle rack, in which forklift only works in front end of warehouse, and cargo is transported to the design a ted location through radio shuttle. What radio shuttle transfers between various channels is completed by forklift. This program largely improves work efficiency, which has achieved results of swift and safety.

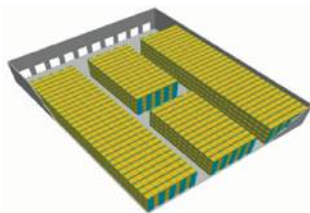
Advantage details are as follows:

1. Forklift is unnecessary for entering aisle, which can save operating time and improve security of both personnel and cargo.
2. Warehouse space is fully utilized so that availability in warehouse can be more than 80%.
3. Different kinds of products can be flexibly accessed in rails.
4. Structural stability makes higher safety factor in comparison with drive-in rack.
5. First-in-first-out (FIFO) and first-in-last-out (FILO) can be realized;
6. Be suitable for cargo with more quantity and less variety, such as food, beverage, chemical, medicine and tobacco industries with single variety and more batches, especially in cold storage environment.

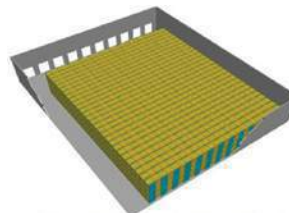
Contrast figure software house system: (2600 pallets)



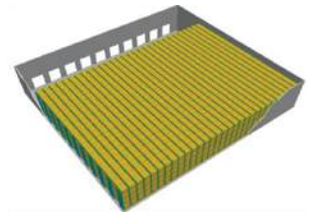
Drive-in rack with 9 deep locations



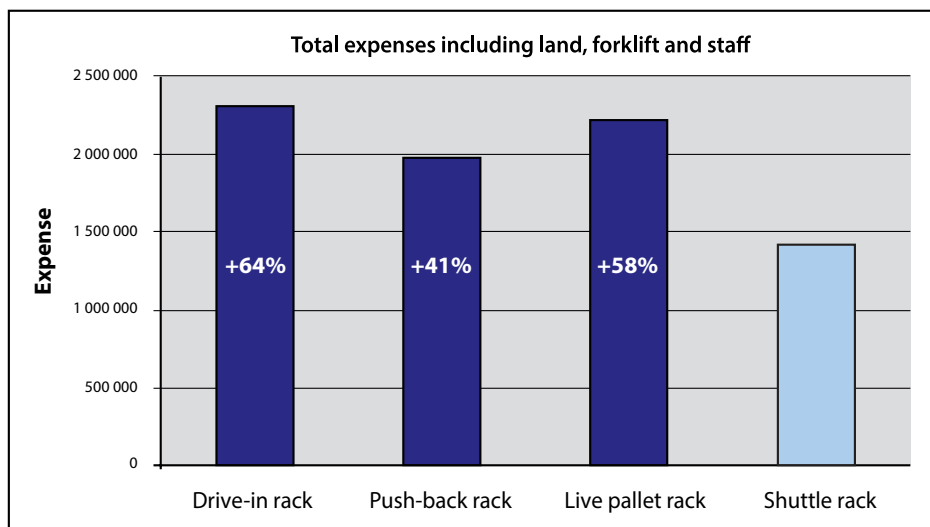
Push-back rack with 5-6 deep locations



Pallet flow rack with 25 deep locations



Shuttle rack with 22 deep locations



Total expenses: Land fork and staff figure

The above comparison clearly shows that shuttle rack has absolute advantage in whole expenses! Therefore it is also future selection for customer!

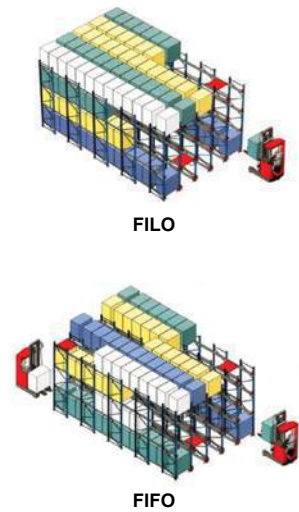
Product Parameters

Parameter		Stacker Type	
Maximum loading	kg	1500	
Move	Running speed	kg	Vmax_empty: 1.5m/s; Vmax_full: 1.0m/s
	Drive motor	mm	Imported brushless servo motor 48VDC 600W
	Servo driver	mm	Imported brushless servo driver
Lift	Lift motor	mm	Imported motor 48VDC 600W
	Lift height	mm	≤ 45mm
Move positioning laser sensor	m	Germany P+F/ SICK	
Pallet positioning laser sensor	mm	Germany P+F/ SICK	
Lift control proximity switch		Germany P+F	
Object detection photo sensor		Germany P+F/ SICK	
Control system		Siemens S7-1200 PLC	
Remoter spare		Spare domestic	
Power supply		Lithium battery	
Battery parameter		48V, 30AH	
Run time		≥ 8 hours	
Charging time	m/s	3~4H	
Battery lifetime	m/s	Charge times ≤ 1000	
Operation mode		WCS dispatch / Remote control	
Running noise		≤ 60db	
Colour		Frame (Red), others (Light Gray)	
Ambient temperature		Temp: -25°C ~ 50°C, Humidity: 5% ~ 95%	

Structure composition



Standard Operation





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	Ø100mm Grey TPR wheel 2 Swivel & 2 Fixed		
Net weight	kg	8	11.6	11.6
Measurement	m ³	0.046	0.046	0.046



Product		2 Shelf 2 Handle Trolley	3 Shelf 1 Handle Trolley	3 Shelf 2 Handle Trolley
Product code		KMT 224	KMT 314	KMT 324
Dimension	mm	480W x 740L x 895H	480W x 740L x 905H	480W x 740L x 905H
Capacity	kg	200		
Castor wheel	mm	Ø100mm Grey TPR Wheel 2 Swivel & 2 Fixed		
Net weight	kg	19	24.5	24.5
Measurement	m ³	0.051	0.06	0.05



Product		2 Shelf Trolley with Ledge	3 Shelf Trolley with Ledge	Full Iron Net Trolley	2 Shelf Trolley with Iron Net
Product code		KMT 254	KMT 354	KMT 174	KMT 274
Dimension	mm	480W x 740L x 895H	480W x 740L x 905H	480W x 740L x 850H	480W x 740L x 1050H
Capacity	kg	200			
Castor wheel	mm	Ø100mm Grey TPR Wheel 2 Swivel & 2 Fixed			
Net weight	kg	20.5	27	20	27.6
Measurement	m ³	0.088	0.117	0.068	0.083



Reinforced Double U Steel Bar to strengthen platform solidness.



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	mm	590W x 890L x 840H	mm	590W x 890L x 840H	
Capacity	kg	300				kg	300
Castor wheel	mm	Ø125mm Grey TPR Wheel 2 Swivel & 2 Fixed				mm	Ø125mm Grey TPR Wheel 2 Swivel & 2 Fixed
Net weight	kg	15.5	kg	19	kg	19	
Measurement	m ³	0.074	m ³	0.074	m ³	0.074	



Product	2 Shelf 2 Handle Trolley		3 Shelf 1 Handle Trolley		3 Shelf 2 Handle Trolley		
Product code	KMT 225		KMT 315		KMT 325		
Dimension	mm	590W x 890L x 945H	mm	590W x 890L x 965H	mm	590W x 890L x 965H	
Capacity	kg	300				kg	300
Castor wheel	mm	Ø125mm Grey TPR Wheel 2 Swivel & 2 Fixed				mm	Ø125mm Grey TPR Wheel 2 Swivel & 2 Fixed
Net weight	kg	31	kg	42	kg	42	
Measurement	m ³	0.097	m ³	0.111	m ³	0.111	



Product	2 Shelf Trolley with Ledge		3 Shelf Trolley with Ledge		Full Iron Net Trolley		
Product code	KMT 255		KMT 355		KMT 175		
Dimension	mm	590W x 890L x 945H	mm	590W x 890L x 965H	mm	590W x 890L x 920H	
Capacity	kg	300				kg	300
Castor wheel	mm	Ø125mm Grey TPR Wheel 2 Swivel & 2 Fixed				mm	Ø125mm Grey TPR Wheel 2 Swivel & 2 Fixed
Net weight	kg	32.5	kg	44.5	kg	30	
Measurement	m ³	0.15	m ³	0.194	m ³	0.1	

Metal Platform Trolley | 300KG

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22



Product		Platform Trolley with Side Rail	2 Shelf Trolley with Cage	2 Shelf Trolley with Iron Net
Product code		KMT 185	KMT 285	KMT 275
Dimension	mm	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 Fixed		
Net weight	kg	22.4	31	40
Measurement	m ³	0.087	0.097	0.112

Metal Platform Trolley | 400KG

23



24



Product		2 Fixed Handle Platform Trolley	Foldable Handle Platform Trolley
Product code		KMT 126A	KMT 136
Dimension	mm	790W x 1250L x 815H	770W x 1235L x 815H
Capacity	kg	400	
Castor wheel	mm	Ø150mm Grey TPR Wheel 2 Swivel & 2 Fixed	
Net weight	kg	47.2	43
Measurement	m ³	0.198	0.19

25



26



27



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	Ø150mm Grey TPR Wheel 2 Swivel & 2 Fixed		
Net weight	kg	48	45.5	43
Measurement	m ³	0.20	0.20	0.20

Metal Platform Trolley | 500KG

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Product		2 Fixed Handle Platform Trolley	Foldable Handle Platform Trolley
Product code		KMT 128A	KMT 138
Dimension	mm	790W x 1250L x 860H	770W x 1235L x 875H
Capacity	kg	500	
Castor wheel	mm	Ø200mm Grey TPR Wheel 2 Swivel & 2 Fixed	
Net weight	kg	49	46
Measurement	m ³	0.198	0.19

30



31



32



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 Fixed		
Net weight	kg	57	53.5	51
Measurement	m ³	0.20	0.20	0.20

Stainless Steel Platform Trolley | 200KG - 350KG

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Product code		KST 134	KST 135
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 Fixed Stainless Steel Castor	Ø125mm Grey TPR Wheel 2 Swivel & 2 Fixed Stainless Steel Castor
Net weight	kg	11.6	16.7
Measurement	m ³	0.043	0.068



Product		Foldable Handle PVC Platform Trolley	PVC 2 Shelf 2 Handle Trolley	PVC 3 Shelf 2 Handle Trolley
Product code		NSR 134	NSR 224	NSR 324
Dimension	mm	450W x 700L x 885H	450W x 700L x 950H	450W x 700L x 940H
Capacity	kg	150		
Castor wheel	mm	Ø100mm Blue Elastic Rubber Wheel 2 Swivel & 2 Fixed		
Net weight	kg	10.5	15.2	18.7
Measurement	m ³	0.05	0.05	0.072



Product		Foldable Handle PVC Platform Trolley	PVC 2 Shelf 2 Handle Trolley	PVC 3 Shelf 2 Handle Trolley
Product code		NSR 135	NSR 225	NSR 325
Dimension	mm	600W x 900L x 865H	600W x 910L x 1000H	600W x 900L x 1000H
Capacity	kg	300		
Castor wheel	mm	Ø125mm Blue Elastic Rubber Wheel 2 Swivel & 2 Fixed		
Net weight	kg	14	24.6	29.5
Measurement	m ³	0.084	0.105	0.113

PVC Platform Trolley | 150KG - 200KG



Product		Foldable Handle PVC Platform Trolley	PVC 2 Shelf 1 Handle Trolley
Product code		KPT 134	KPT 214
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 Fixed	
Net weight	kg	10.2	14.2
Measurement	m ³	0.05	0.066

PVC Platform Trolley | 150KG - 200KG



Product		PVC 2 Shelf 2 Handle Trolley	PVC 3 Shelf 1 Handle Trolley	PVC 3 Shelf 2 Handle Trolley
Product code		KPT 224	KPT 314	KPT 324
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 Fixed		
Net weight	kg	14.2	17.7	17.7
Measurement	m ³	0.066	0.077	0.077

PVC Platform Trolley | 300KG - 350KG



Product		Foldable Handle PVC Platform Trolley	PVC 2 Shelf 1 Handle Trolley
Product code		KPT 135	KPT 215
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 Fixed	
Net weight	kg	15.2	20.8
Measurement	m ³	0.091	0.12



Product		PVC 2 Shelf 2 Handle Trolley	PVC 3 Shelf 1 Handle Trolley	PVC 3 Shelf 2 Handle Trolley
Product code		KPT 225	KPT 315	KPT 325
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 Fixed		
Net weight	kg	20.8	26.8	26.8
Measurement	m ³	0.12	0.146	0.146



Product		Aluminium Expandable Trolley	2 Wheels Aluminium Hand Truck	
Product code		KAT 414	KAT 316	KAT 326
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 Fixed		
Net weight	kg	8.5	7	7.3
Measurement	m ³	0.054	0.06	0.06

Tool Cabinet Trolley

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Tool Cabinet Trolley

Product code		TBC 3005
Overall	mm	620W x 330D x 660H
Overall with castor	mm	620W x 330D x 753H
Drawer	mm	510W x 265D x 100H
Castor	mm	3" Rubber Wheel: 2 Fixed, 1 Swivel & 1 Brake
Capacity	kg	100
Colour		Red

Remarks: *Material: 0.6mm Thickness, Ball Bearing Slide, Honeycomb Package
The product colour depends on stock.

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Tool Cabinet Trolley

Product code		TBC 3007
Overall	mm	663W x 463D x 850H
Overall with castor	mm	663W x 463D x 1005H
Drawer Sx3	mm	575W x 397D x 65H
Drawer Lx2	mm	575W x 397D x 145H
Castor wheel	mm	4" PP Wheel, Fixed, 1 Swivel & 1 Brake
Capacity	kg	170
Colour		Red

Remarks: *Material: 0.8mm Thickness, Ball Bearing Slide, Honeycomb Package
The product colour depends on stock.

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3-tier Tool Cart (Large size)

Product code		SC 1350
Size	mm	410W x 850L x 745H
Castor wheel		PP 3" : 4 Swivel
Capacity	kg	130
Colour		Dark Blue

The product colour depends on stock.

57



Electric Stair Climber (Belt Type)

Product code		DH5
Body size	mm	1170 - 1690
Handle size (H x L)	mm	1540 x 400
Load plate size (D x L)	mm	500 x 370
Capacity	kg	150
Motor power	W	500
Maximum floors		60 - 100 floors
Lithium battery	V/Ah	48V 18Ah
Charging time		4 hours
Weight	kg	45

The product colour depends on stock.

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Electric Stair Climber (Belt Type)

Product code		DH10
Unfolded size (L x W x H)	mm	650 x 560 (1110 - 1750)
Folded size (L x W x H)	mm	1120 x 550 x 150
Handle size (H x L)	mm	1630 x 400
Load plate size (D x L)	mm	355 x 400
Net weight	kg	40
Capacity	kg	400
Motor power	W	500
Maximum floors		80 - 120 floors
Lithium battery	V/Ah	48V 36Ah
Charging time		4 hours

The product colour depends on stock.

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Electric Stair Climber (Arm Type)

Product code		DH12
Unfolded size (L x W x H)	mm	390 x 560 x 1250
Folded size (L x W x H)	mm	650 x 560 x 1600
Handle size (H x L)	mm	1400 x 340
Load plate size (D x L)	mm	410 x 300
Net weight	kg	40
Capacity	kg	400
Motor power	W	1200
Maximum floors		150 floors
Lithium battery	V/Ah	48V 18Ah~36Ah
Charging time		4 hours
Solid wheel	in.	10

The product colour depends on stock.

60



Electric Stair Climber (Belt Type)

Product code		DH20
Unfolded size (L x W x H)	mm	960 x 500 x 1180
Folded size (Height)	mm	320
Handle size (H x L)		1510 x 380
Load plate size (D x L)		510 x 435
Net weight	kg	60
Capacity	kg	150
Motor power	W	1200
Maximum floors		150 floors
Lithium battery	V/Ah	48V 18Ah~36Ah
Charging time		4 hours

The product colour depends on stock.



Features a simple, one-click control panel for immediate and effortless operation.

Product code		ELT 80	ELT 100	ELT 120
Loading capacity	kg	300		
Overall size (W x L)	mm	750 x 1150	750 x 1350	750 x 1550
Platform size (W x L)	mm	750 x 1000	750 x 1200	750 x 1400
Ground clearance	mm	660	860	1000
Platform lifting height	mm	800	1000	1200
Battery configuration		48V Lithium Battery		

The product colour depends on stock.

Features:

- Effortlessly lift and transport items weighing up to 300KG in a single operation.
- Equipped with a thickened, anti-leak oil cylinder engineered to deliver superior, long-lasting power and reliability.
- The scissor mechanism is constructed from thick, reinforced steel to ensure maximum stability during lifting and a robust load capacity.
- Utilizes a high-quality slide rail design that guarantees consistently smooth and precise push and pull motions.

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Product	Work Tainer	
Product code	KWM 500TPR	
Dimension	mm	790W x 1100L x 1700H
Capacity	kg	500
Castor wheel	Ø150mm Round Red PU 2 Swivel & 2 Side Brake	
Net weight	kg	49

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Product	Work Tainer with Swinging Door	
Product code	KTD 500TPR	
Dimension	mm	790W x 1100L x 1700H
Capacity	kg	500
Castor wheel	Ø150mm Round Red PU 2 Swivel & 2 Side Brake	
Net weight	kg	72



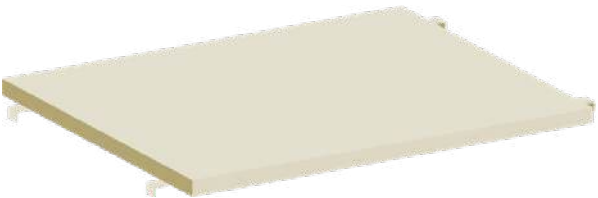
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PVC Base Panel Platform

Product	Work Tainer	
Product code	KWP 500TPR	
Dimension	mm	790W x 1100L x 1700H
Capacity	kg	500
Castor wheel	Ø150mm Round Red PU 2 Swivel & 2 Side Brake	
Net weight	kg	54

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Product	Work Tainer Shelf	
Product code	WTS 7201100	
Dimension	mm	720W x 1100L
Capacity	kg	50



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Nestable



Brake



6 Wheel Nestable Slim Cart with Brake

Product code		NC501-BS
External dimension	mm	430W x 1290L x 1550H
Internal dimension	mm	420W x 1125L x 1300H
Castor wheel	in.	4 x Ø4" Swivel (front & back), 2 x Ø5" Fixed (middle)
Capacity	kg	350

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Brake

6 Wheel Slim Cart with Brake

Product code		ND503-BS
External dimension	mm	425W x 1300L x 1510H
Internal dimension	mm	420W x 1165L x 1300H
Castor wheel	in.	4 x Ø4" Swivel (front & back), 2 x Ø5" Fixed (middle)
Capacity	kg	350

Platform Order Picker

68



Platform Order Picker

Product code		POP 4M
Dimension	mm	630W x 970L x 985H
Overall height	mm	1485 (include castor wheel)
Ladder step		4
Castor wheel	in.	Ø4" Castor Wheel 2 Swivel 2 Fixed
Capacity	kg	300
Net weight	kg	22
Measurement	m ³	0.91

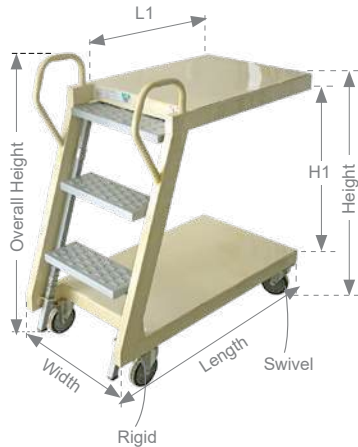
69



Platform Order Picker

Product code		POP 7
Dimension	mm	965W x 1310L x 1605H
Overall height	mm	2400 (include castor wheel)
Ladder step		7
Castor wheel	in.	Ø4" Castor Wheel 2 Swivel 2 Fixed
Capacity	kg	300
Net weight	kg	64
Measurement	m ³	0.32

70



Ladder Trolley

Product code		LT 3
Dimension	mm	560W x 1070L x 1025H
Overall height	mm	1150
H1	mm	730
L1	mm	710
Net weight	kg	41
Colour		Beige
Ladder step		3
Finishing		Epoxy powder coating Electronic zinc plating (ladder)
Castor wheel	in.	Ø5" Fixed / Swivel / Swivel Brake
Capacity	kg	80 (Top), 220 (Bottom)

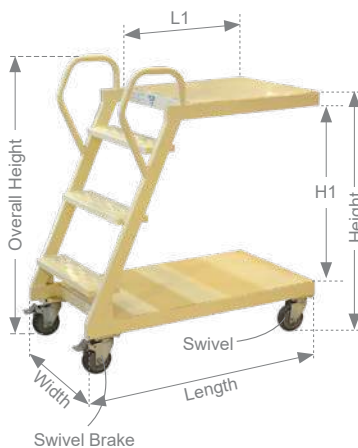
71



Ladder Trolley

Product code		LT 5
Dimension	mm	560W x 1070L x 1578H
Overall height	mm	2030
H1	mm	1285
L1	mm	480
Net weight	kg	46
Colour		Blue
Ladder step		5
Finishing		Epoxy powder coating Electronic zinc plating (ladder)
Castor wheel	in.	Ø5" Fixed / Swivel / Swivel Brake
Capacity	kg	60 (Top), 240 (Bottom)

72



Picking Trolley

Product code		SK 3
Dimension	mm	510W x 920L x 890H
Overall height	mm	1020
H1	mm	650
L1	mm	510
Net weight	kg	30
Colour		Beige
Ladder step		3
Finishing		Epoxy powder coating
Castor wheel	in.	Ø4" Swivel / Swivel Brake
Capacity	kg	50 (Top), 200 (Bottom)

73



Picking Trolley

Product code		SK 5
Dimension	mm	510W x 1020L x 1505H
Overall height	mm	1862
H1	mm	1270
L1	mm	320
Net weight	kg	36
Colour		Blue
Ladder step		5
Finishing		Epoxy powder coating
Castor wheel	in.	Ø4" Swivel / Swivel Brake
Capacity	kg	50 (Top), 200 (Bottom)

74



Without extended foot bar



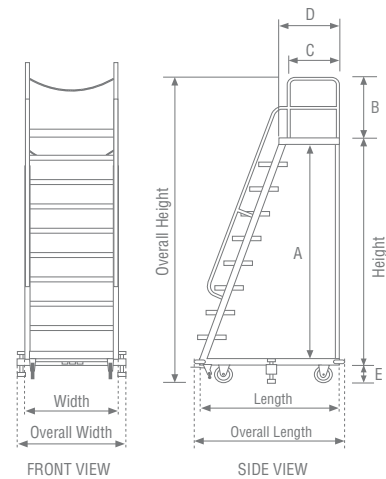
Rigid

Swivel Brake

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	mm 805	mm 870	mm 875	mm 880	mm 880
Length	mm 1220	mm 1310	mm 1425	mm 1530	mm 1615	mm 1702
Overall length	mm 1270	mm 1355	mm 1465	mm 1575	mm 1665	mm 1750
Height	mm 1685	mm 1985	mm 2283	mm 2600	mm 2885	mm 3205
Overall height	mm 2750	mm 3050	mm 3350	mm 3660	mm 3940	mm 4260
A	mm 1555	mm 1850	mm 2150	mm 2460	mm 2740	mm 3065
B	mm 895					
C	mm 555					
D	mm 680	mm 660	mm 660	mm 660	mm 660	mm 660
E	mm 160					
Castor wheel	in. Ø5" Fixed / Swivel brake					
Finishing	Epoxy powder coating					
Colour	Blue					
Capacity	kg 100kg (Top), 200kg (Bottom)					
Remarks	W/O extended foot		C/W extended foot			



The product colour depends on stock.



Extended foot bar enhance stability.



Double brake system functioned by to step on.



PVC bumper helps to prevent damage.



Safety chain.

75

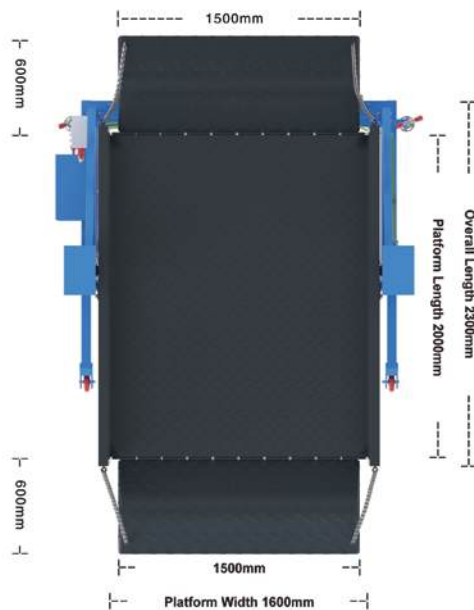
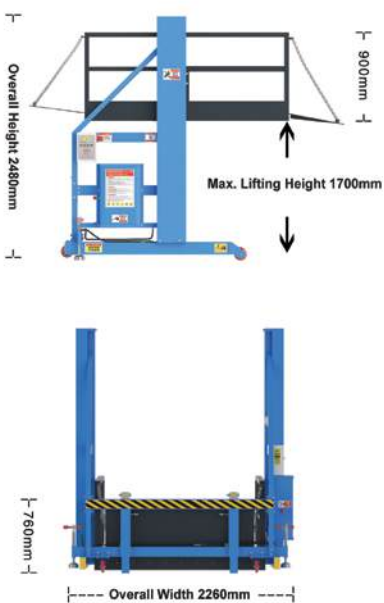


Product code		DL-2T	DL-3T
Capacity	kg	2000	3000
Overall dimension	mm	2300W x 2300L x 2450H	2390W x 2280L x 2450H
Platform size	mm	1600W x 2000L	
Max. lifting height	mm	1700	
Power	kW	3	4
Voltage	V	220	420
Colour		Blue	
Overall weight	kg	650	1000

The product colour depends on stock.



Dimension

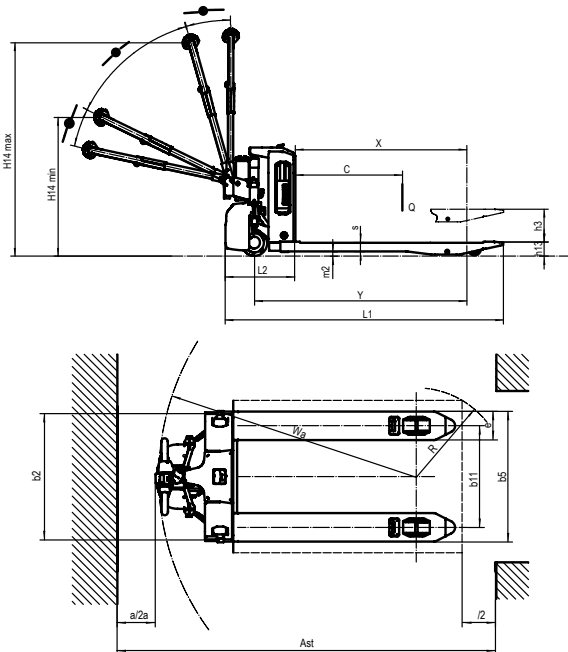


Remote control



76

KOMADA F4 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 F4 an all rounder, perfect for diverse tasks in the most cost effective way.



Occasional usage



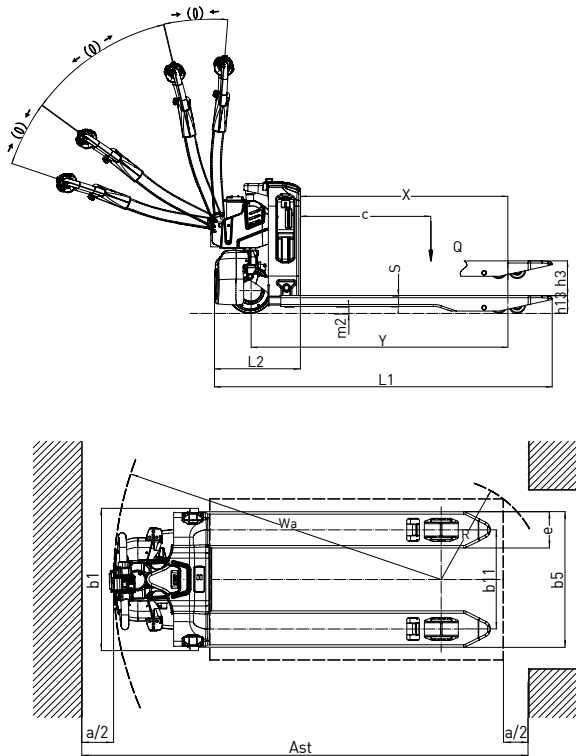
Optional :
Pallet Truck Pedal

Product code		F4
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. (h14)	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	

The product colour depends on stock.

77

KOMADA F4-201 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 F4-201 an all rounder, perfect for diverse tasks in the most cost effective way.



Plug in & out Li-ion batteries maximize flexibility



Optional:
Pallet Truck Pedal

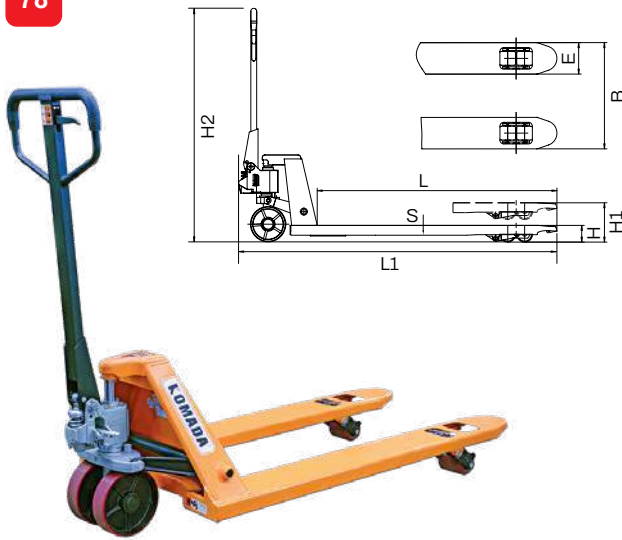


Power and capacity upgrade for productivity boost

Product code		F4-201
Drive unit		Electric
Operator type		Pedestrian
Load capacity (Q)	kg	2000
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	140
Axle loading, laden front / rear	kg	620 / 1520
Axle loading, unladen front / rear	kg	100 / 40
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		
Lift height (h3)	mm	105
Height of tiller handle in drive position min. / max. (h14)	mm	750 / 1190
Lowered height (h13)	mm	85
Overall length (l1)	mm	1550
Length to face of forks (l2)	mm	400
Overall width (b1 / b2)	mm	590 (695)
Fork dimensions (s x e x l)	mm	50 x 150 x 1150
Distance between fork arms (b5)	mm	560 (685)
Ground clearance, center of wheel base (m2)	mm	30
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	4.5/5
Lifting speed, laden / unladen	m/s	0.016 / 0.020
Lowering speed, laden / unladen	m/s	0.058 / 0.046
Max. gradeability, laden / unladen	%	8/16
Service brake	Electromagnetic	
Electric-Engine		
Drive motor rating S2 60 min	kW	0.9
Lift motor rating at S3 15%	kW	0.7
Battery voltage / nominal capacity	V/Ah	48/20
Battery weight	kg	10
Energy consumption according to DIN EN 16796	kWh/h	0.18
Turnover output according to VDI 2198	t/h	88
Turnover efficiency according to VDI 2198	t/kWh	473.12
Drive / Lift Mechanism		
Type of drive control		BLDC
Steering design		Mechanical
Sound pressure level at the driver's ear	dB(A)	74
Charger output current	A	-

The product colour depends on stock.

78

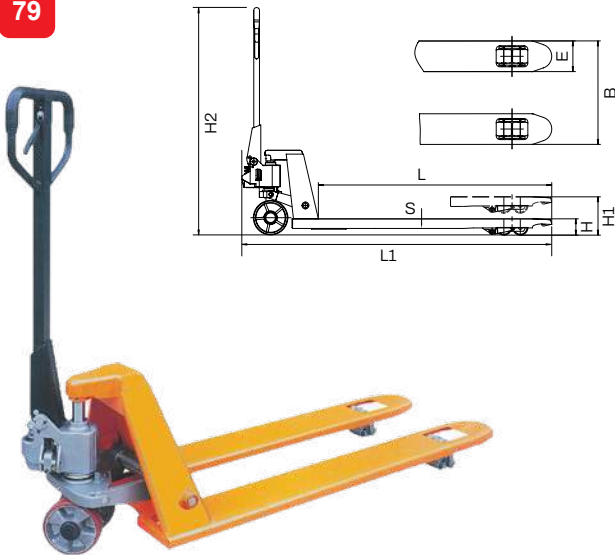


RZ Series Hand Pallet Truck

Product code		RZ25N	RZ25	RZ30N	RZ30
Capacity	kg	2500		3000	
Min. fork height (H)	mm	85			
Max. fork height (H1)	mm	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 height (H2)	mm	1245			
Single load wheel	mm	Ø80 x 93			
Steering wheel	mm	Ø180 x 50			
Material of wheel		PU			

The product colour depends on stock.

79

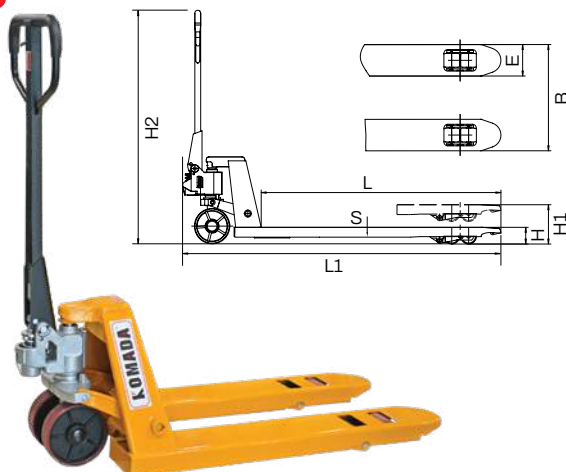


Low Profile Hand Pallet Truck

Product code		RZ20LPN	RZ20LP
Capacity	kg	2000	
Min. fork height (H)	mm	52	
Max. fork height (H1)	mm	140 / 160	
Max. lifting height	mm	88 / 95	≥110
Fork outside width (B)	mm	540	685
Fork inside width	mm	200	220
Fork length (L)	mm	1150	1220
Single fork size (E) x (S)	mm	160 x 37	160 x 50
Overall length (L1)	mm	1315-1620	
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	

The product colour depends on stock.

80

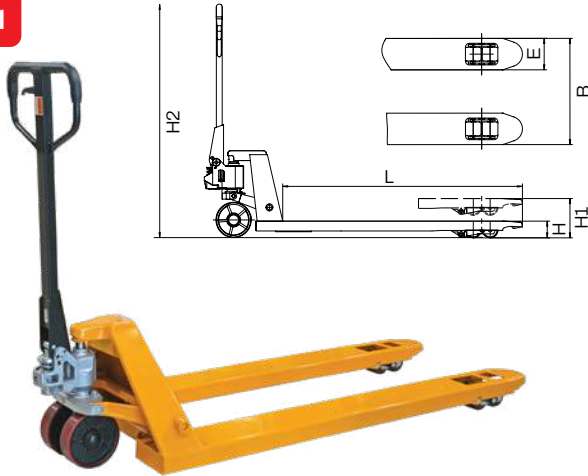


Short Fork Hand Pallet Truck

Product code		RZ25SF
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 height (H2)	mm	1245
Single loading wheel	mm	Ø80 x 93
Steering wheel	mm	Ø180 x 50
Material of wheel		PU

The product colour depends on stock.

81

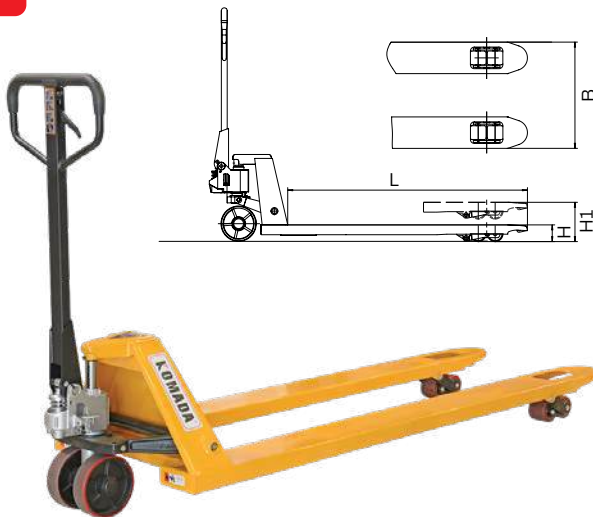


Long Fork Hand Pallet Truck

Product code		RZ30XL	RZ30XXL
Capacity	kg	3000	
Fork outside width (B)	mm	685	
Fork length (L)	mm	1500	1800
Fork width (E)	mm	160	
Overall height (H2)	mm	1245	
Min. fork height (H)	mm	85	
Max. fork height (H1)	mm	200	
Steering wheel	mm	Ø180 x 50	
Loading wheel	mm	Ø74 x 70	
Material of wheel		PU	

The product colour depends on stock.

82



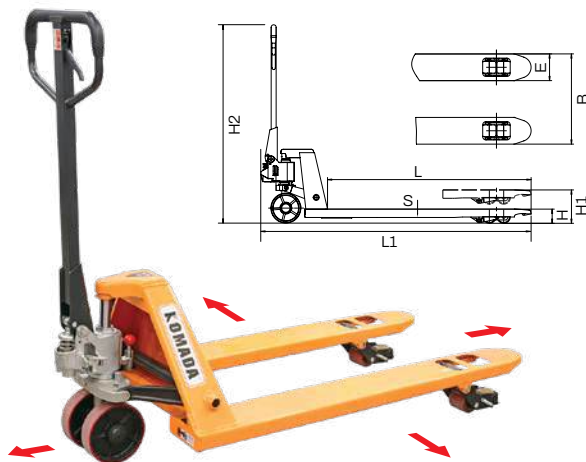
Long Fork Hand Pallet Truck

Product code		NZ30XL	NZ30XXL
Capacity	kg	3000	
Fork outside width (B)	mm	685	
Fork length (L)	mm	1500	1800
Material of wheel		Double PU wheel	
Loading wheel	mm	Ø80 x 93	
Steering wheel	mm	Ø180 x 50	
Min. fork height (H)	mm	85	
Max. fork height (H1)	mm	200	

The product colour depends on stock.



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Four Way Hand Pallet Truck

Product code		RZ20FW
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 x height (B) x (H2)	mm	685 x 1245
Tandem loading wheel	mm	Ø74 x 70
Steering wheel	mm	Ø180 x 50
Material of wheel		PU

The product colour depends on stock.



- › 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.

84



- > Features weighing accuracy $\pm 1\text{kg}$ for load 2500kg.
- > Printer available.
- > Kilogram or pounds available.

Weight Scale Hand Pallet Truck

Product code		RZES25	RZES25N
Capacity	kg	2500	
Min. fork height	mm	85	
Max. fork height	mm	200	
Fork outside width	mm	685	540
Fork inside width	mm	365	220
Fork length	mm	1220	1150
Single fork size	mm	160 x 50	
Overall size (L x W x H)	mm	1570-1640 x 685 x 1245	
Loading wheel	mm	Ø80x70	
Steering wheel	mm	Ø180x50	
Min. turning radius	mm	1450	
Material of wheel		PU	

The product colour depends on stock.

85



Stainless Steel Hand Pallet Truck

Product code		RZ20SSN	RZ20SS
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	

The product colour depends on stock.

86



- > 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.

Scissor Lift Pallet Truck

Product code		MHL15N	MHL15
Capacity	kg	1500	
Min. height of fork	mm	85	
Max. height of fork after lifting	mm	800	
Max. lifting stroke	mm	710	
Fork outer width	mm	540	685
Inside width of fork	mm	220	365
Working length of fork	mm	1150	
Single fork width	mm	160	
Fork thickness	mm	50	
Vehicle length	mm	1540	
Vehicle width	mm	540	685
Vehicle height	mm	1235	
Bearing wheel size	mm	740 x 50	
Steering wheel size	mm	180 x 50	
Min. turning radius	mm	1260	
Wheel material	mm	PU	
Net weight	kg	133	143

The product colour depends on stock.

87



TFA 1000

Product code		TFA 150	TFA 500	TFA 750	TFA 1000
Capacity	kg	150	500	750	1000
Min. height of table	mm	220	290	290	390
Max. height of table	mm	720	900	900	1000
Dimension of table	mm	700 x 450 x 40	810 x 510 x 50	810 x 510 x 50	1000 x 510 x 55
Foot pedal strokes reach max. height	mm	≤25	≤30	≤32	≤79

The product colour depends on stock.

88



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

The product colour depends on stock.

89



Double Scissor 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

The product colour depends on stock.

90



ET-SD

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.



ET-S

Product code	EST152-1527	EST152-1530	EST152-1536	
Drive unit	Electrics			
Operator type	Pedestrian			
Rated capacity (Q)	kg	1500		
Load centre 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	Ø130x55		
Wheels, number driving, caster/loading (x=drive wheels)	mm	1x +1/4		
Track width, front, driving side (b10)	mm	531		
Track width, rear, loading side (b11)	mm	405		
Dimensions				
Height, mast lowered (h1)	mm	1956	2106	2406
Lift height (h3)	mm	2720	3020	3620
Height, mast extended (h4)	mm	3271	3571	4171
Height drawer in driving position min. / max. (h14)	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 (b3)	mm	680/770		
Distance between fork-arms (b5)	mm	570/685		
Ground clearance, carrier of wheelbase (m2)	mm	25		
Aisle width for pallets 1000 x 1200 crossways (Ast)	mm	2224		
Aisle width for pallets 800 x 1200 lengthways (Ast)	mm	2158		
Turning radius (Wa)	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 K20	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		

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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

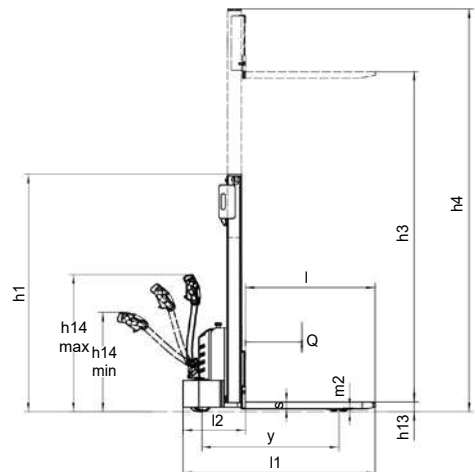
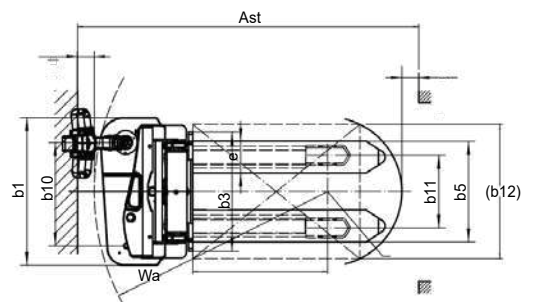
The rigidity of the mast is greatly improved by its beam structure to provide smooth lifting and stacking for daily operation.

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.

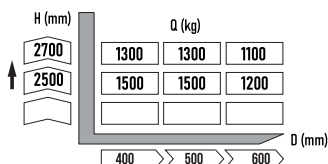
Efficient hydraulic system

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

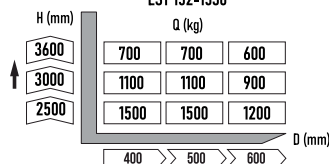


The product colour depends on stock.

LOAD CENTER CHART
EST 152-1527



LOAD CENTER CHART
EST 152-1530
EST 152-1536



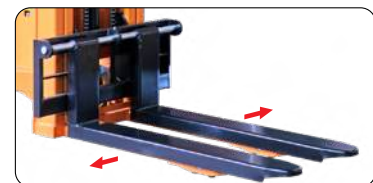
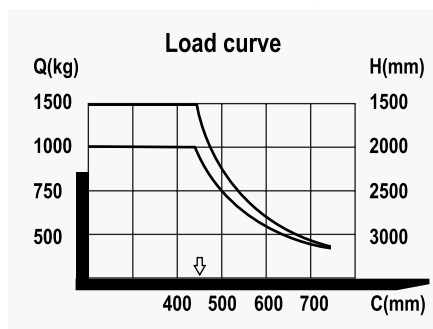
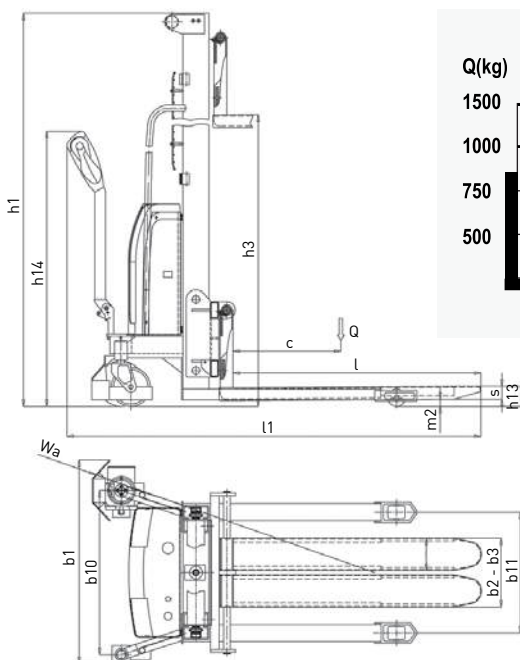
92

Non-vibration enhanced standard gantry electric stacker

- › Reinforced standard gantry stacker with uniform displacement and no vibration;
- › When the handle is in the vertical state, it can also easily control the vehicle to walk, effectively ensuring that the turning can be realized in the narrow channel and the stacking operation can be carried out;
- › American CURTIS drive controller, American Gates high-pressure oil pipe and external explosion-proof valve structure. The lifting and lowering are controlled by the flow of multiple manual valves.
- › The lifting oil cylinder is designed with a special buffer structure to prevent the gantry from shaking and ensure the safety of cargo lifting;
- › The support leg of the door base is made of solid square steel, which makes the structure of the door frame firm and reliable, resistant to impact and deformation;
- › When the drive wheel cannot work or needs maintenance, it can be easily removed and replaced as long as the fixing screws are removed.

Product code		CDDYG-E1020 / 1025 / 1030	CDDYG-E1520 / 1525
Basic			
Capacity (Q)	kg	1000	1500
Load centre distances (c)	mm	450	
Lifting method		Electric	
Operating method		Walking	
Wheel			
Material		PU	
Driving/ steering/ weight-bearing wheel Qty		1x+1/2	1x+1/4
Size of load bearing wheel	mm	Ø80x60	
Drive wheel size	mm	Ø210x75	
Steering wheel size	mm	Ø180x50	
Dimensions			
Front wheel spacing (b11)	mm	560	
Rear wheel spacing (b10)	mm	760	
Min. fork height from the ground (h13)	mm	90	
Max. fork height after lifting (h3)	mm	2000 / 2500 / 3000	2000 / 2500
Outside fork width (b3)	mm	320-740	
Inside fork width (b2)	mm	20-440	
Single-sided fork dimension (l/e/s)	mm	1150 x 150 x 60	
Overall vehicle length (l1)	mm	1920	
Overall width (b1)	mm	945	
Overall height (h1)	mm	1580 / 1830 / 2080	1630 / 1880
Min. turning radius (Wa)	mm	1480 / 1480 / 1430	1430
Aisle width, pallet 1000 x 1200	mm	2170	
Aisle width, pallet 800 x 1200	mm	2220	
Performance			
Max. travel speed (full / no load)	km/h	3.5 / 4	
Max. lifting speed (full / no load)	mm/s	105/170	
Max. descent speed (full / no load)	mm/s	180/170	
Climbing speed (full / no load)	%	4 / 6	
Electrical			
Drive motor	kW	24V0.75	
Lift motor	kW	24V2.2	
Battery capacity	V/Ah	2x12/80	
Charger type	V/Ah	24/12	
Weight			
Battery weight	kg	2x18.2±0.5	
Net weight	kg	420 / 425 / 455	425 / 460

The product colour depends on stock.



Adjustable Fork

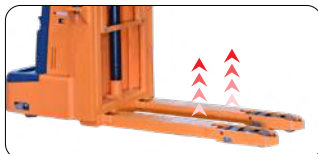


93

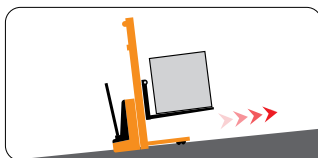
This **Fully Powered Double Lifting Stacker** is designed to be used for cargo handling and stacking, uses electricity as a power source.

Features:

- > Can lift and transport two different pallets up to 1,500kg at a time.
- > Able to lift the lower fork, allowing it to navigate at uneven and sloped roads with ease.



Fork Leg / Support Arm Max. lifting height 195mm



Operate easily under slightly sloped area

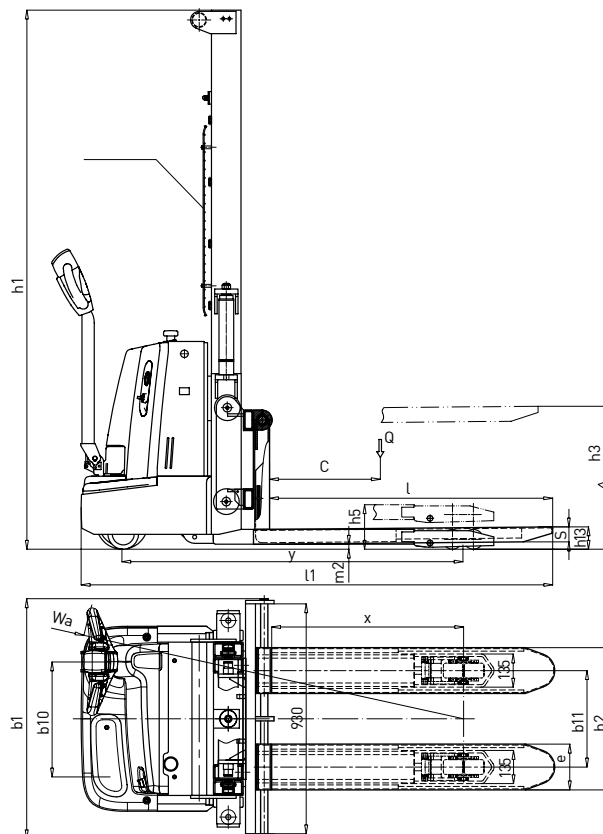


Product code		CDDYG-KS1530	CDDYG-KS1536
Capacity (Q)	kg	1500	
Load centre distances (C)	mm	450	
Load distance, centre of drive axle to fork (x)	mm	780	
Wheel base (y)	mm	1385	
Service weight (include battery)	kg	740	
Tyre type driving wheels / loading wheels		PU / PU	
Tyre size, driving wheels (diameter x width)	mm	Ø210 x 75	
Tyre size, loading wheel (diameter x width)	mm	Ø80 x 60	
Tyre size, caster wheel (diameter x width)	mm	Ø150 x 50	
Wheel number driving, caster / loading (x=drive wheels)	mm	1x +1/4	
Track width, front, driving side (b11)	mm	390	
Track width, rear, driving side (b10)	mm	465	
Overall length (l1)	mm	1920	
Overall width (b1)	mm	980	
Height, mast lowered (h1)	mm	2180	2480
Ground clearance, centre of wheelbase (m2)	mm	20	
Lowered height (h13)	mm	90	
Lift height (h3)	mm	3000	3600
Fork leg lift height (h5)	mm	195	
Fork dimension (s/ e/ l)	mm	60 x 185 x 1150	
Outside width of the forks (b2)	mm	575	925
Turning radius (Wa)	mm	1580	
Lifting speed, laden / unladen	mm/s	86 / 52	
Lowering speed, laden / unladen	mm/s	76 / 68	
Travel speed, laden / unladen	km/h	5 / 4	
Max. gradeability, laden / unladen	%	12 / 8	
Battery voltage	V/Ah	24 / 120	
Drive motor rating	V/kW	24 / 1.0	
Lift motor rating	V/kW	24 / 2.2	
Type of drive unit		AC	

The product colour depends on stock.

Rated Capacities Graph

		Lift Height (mm)	Capacity (kg)
	Mast Fork A	1500	1500
		2000	1250
		2500	1000
		3000	750
	Support Arm B	3500	500
		195	A+B≤2000



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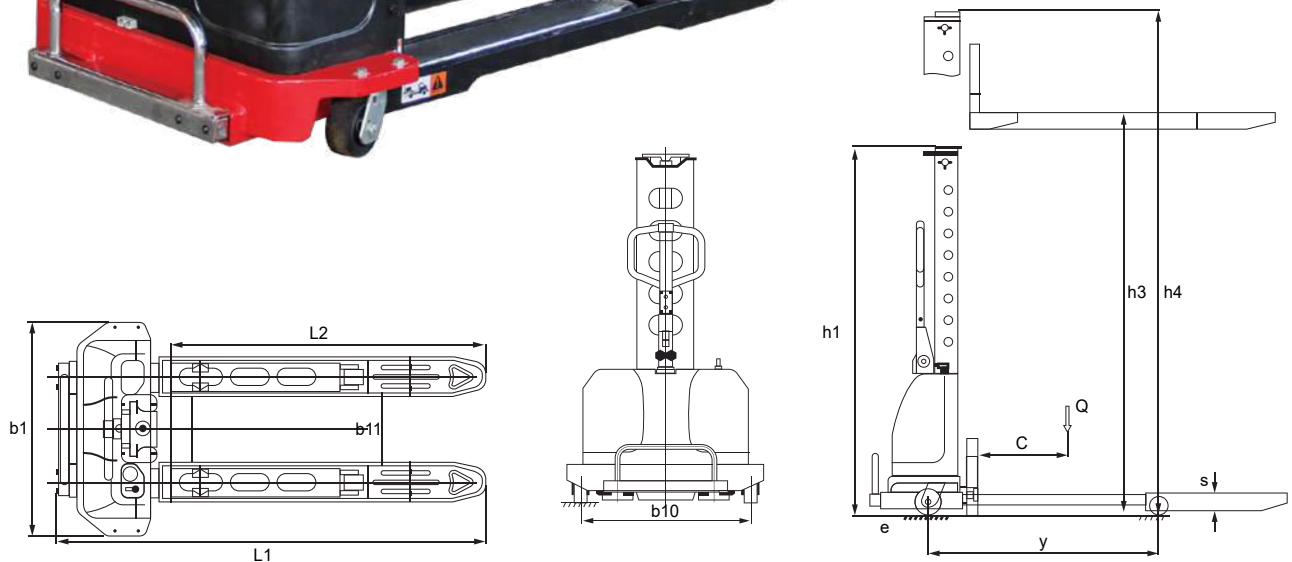
Advantage

- > Loading capacity: 500kg.
- > 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.
- > Add the design of the guide rail, makes pushing and pulling the goods more labor saving and convenient.

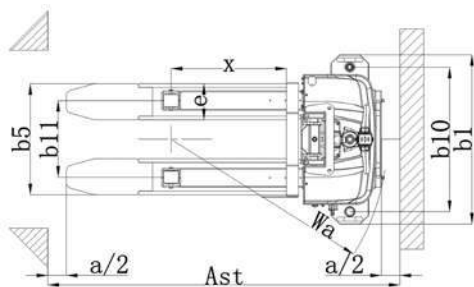
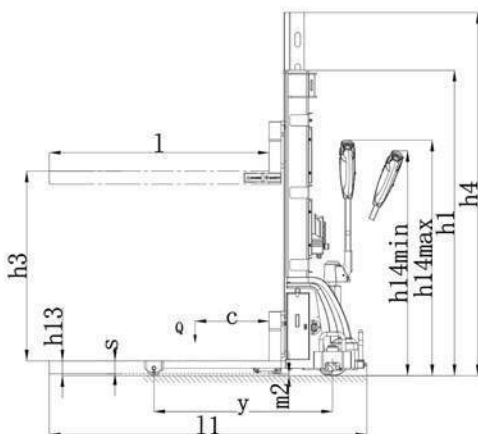


Product code		ZTS0513
Base		
Capacity (Q)	kg	500
Load centre (C)	mm	400
Type of lifting	Electric	
Operating type	Walking	
Wheel		
Material	Nylon / PU	
Wheel base (y)	mm	860
Front wheel base (b11)	mm	380
Back wheel base (b10)	mm	670
Quantity of Steering / Bearing / Balance Wheel	2/2/6	
Bearing wheel	mm	Ø70 x 60
Steering wheel size	mm	Ø100 x 50
Balance wheel size	mm	Ø40 x 26
Training wheel size	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)	mm/s	80/110
Lowering speed (laden/unladen)	mm/s	80/80
Electrical		
Lift motor	V/kW	12/0.8
Battery capacity	V/Ah	12/33
Weight		
Battery weight	kg	10

The product colour depends on stock.



95



Product code		SES		
Distinguishing mark				
Power (battery, diesel, petrol, gas, manual)		Battery		
Operator type		Pedestrian		
Load capacity / Rated load (Q)	t	1.0	1.2	1.5
Load centre distance (C)	mm	400		
Load distance, centre of drive axle to fork (X)	mm	622		
Wheelbase (Y)	mm	980		
Weight				
Service weight	kg	430		
Axle loading, laden front / rear	kg	\		
Axle loading, unladen front / rear	kg	\		
Tires, chassis				
Tires		PU		
Tire size, front	mm	Ø190 x 70		
Tire size, rear	mm	Ø80 x 70		
Additional wheels (dimensions)	mm	Ø75 x 35		
Wheels number front / rear (x=driven wheels)		1X+2/2		
Track, front (b10)	mm	780		
Track, rear (b11)	mm	417		
Dimensions				
Lowered mast height (h1)	mm	1450		
Lift height (h3)	mm	1015		
Extended mast height (h4)	mm	2480		
Initial lift (h5)	mm	105		
Height of tiller in drive position min./ max (h14)	mm	740/1250		
Height lowered (h13)	mm	85		
Overall length (l1)	mm	1730		
Length to face of fork (l2)	mm	527		
Overall width (b1)	mm	920		
Fork dimensions s/ e/ l	mm	70/195/1220		
Distance between fork-arms (b5)	mm	560/600		
Ground clearance, centre of wheelbase (m2)	mm	10		
Aisle width for pallet 1000x1200 crossways (Ast)	mm	2089		
Aisle width for pallet 800x1200 lengthways (Ast)	mm	2083		
Turning radius (Wa)	mm	1180		
Performance data				
Travel speed, laden/ unladen	km/h	4.0/4.2		
Lift speed, laden/ unladen	m/s	0.05/0.07		
Lowering speed, laden/ unladen	m/s	0.1/0.09		
Max. gradeability, laden/ unladen	%	\		
Service brake		Electromagnetic		
Electric-engine				
Drive motor rating S2 60min	kw	0.85		
Lift motor rating at S3 4.5%	kw	2.2		
Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		\		
Battery voltage, nominal capacity K5	V/Ah	48/25(48/30)	48/30	
Battery weight +/-5%	kg	30		
Energy consumption acc to VDI cycle	kWh/h	\		
Additional data				
Type of drive control		DC speed control		
Sound level at driver's ear acc. to EN12053	dB(A)	≤70		

The product colour depends on stock.

Designation	Lowered mast height h1 (mm)	Lift height h3 (mm)	Extended mast height h4 (mm)	Lift fork height h3+h13 (mm)
SES				
Two stage mast	1250	815	2080	900
	1450	1015	2480	1100
	1650	1215	2880	1300
	1850	1415	3280	1500
	2000	1565	3580	1650
Two stage mast FFL (Full-Free-Lift)	-	-	-	-
Three stage mast	-	-	-	-
Three stage mast FFL (Full-Free-Lift)	-	-	-	-

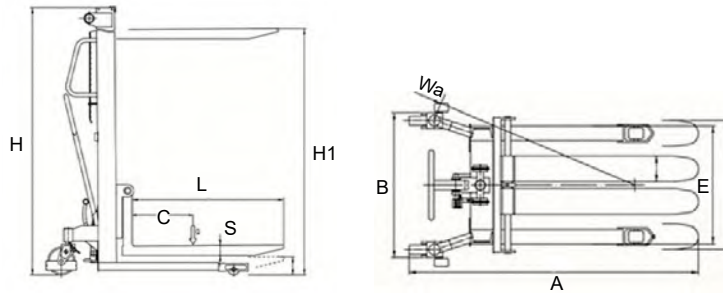
96



Product Video
Click Here

Product code		RSD1016	RSD1516	RSD2016	RSD1025	RSD1030
Capacity	kg	1000	1500	2000	1000	1000
Load centre (C)	mm	400				
Type of lifting		Hand / Foot Pump				
Wheel material		Nylon				
Quantity of steering / loading wheel		2/2				
Wheel base	mm	1140				
Loading wheel	mm	Ø80 x 60				
Steering wheel	mm	Ø180 x 50				
Min. fork height	mm	90				
Max. fork height (H1)	mm	1600			2500	3000
Fork outside / inside width	mm	320-720 / 20-320	340-830 / 20-340	340-740 / 20-340	320-720 / 20-320	
Single fork size (E) x (S)	mm	150 x 60	160 x 60		150 x 60	
Fork length (L)	mm	1000				
Overall length x width (A) x (B)	mm	1525x790	1525x890	1525 x 790		
Overall height (H)	mm	1985	2085	2085	1825	2085
Minimum turning radius (Wa)	mm	1400				
Max. pump pressure (laden)	times	≤ 76	≤ 110	≤ 110	≤ 95	≤ 120
Lowering speed (laden / unladen)	m/s	Controlled				

The product colour depends on stock.



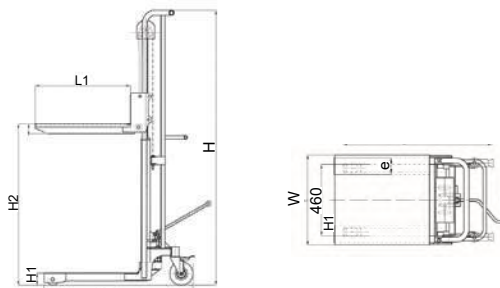
Manual Platform Stacker

97

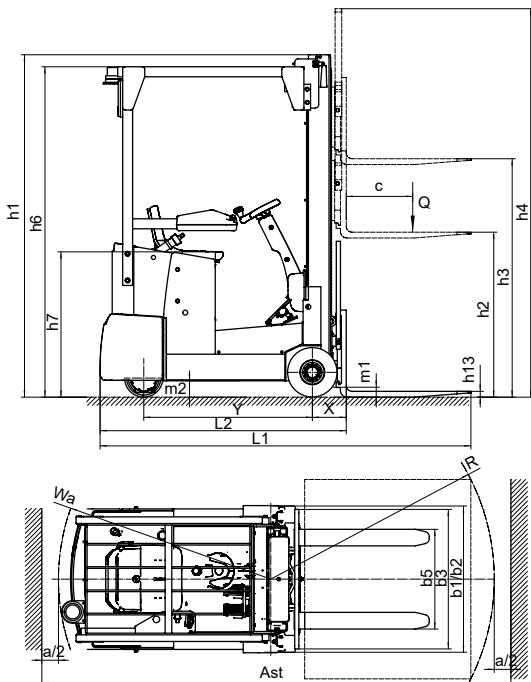


Product code		PS0415
Capacity	kg	400
Load centre	mm	350
Type of lifting / lowering		Foot control
Material of wheel		PU
Bearing wheel	mm	Ø75 x 42
Steering wheel	mm	Ø150 x 38
Min. / Max. fork height (H1) / (H2)	mm	90 / 1500
Fork outside / inside width	mm	550 / 310
Single fork size (e x W x L1)	mm	60 x 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

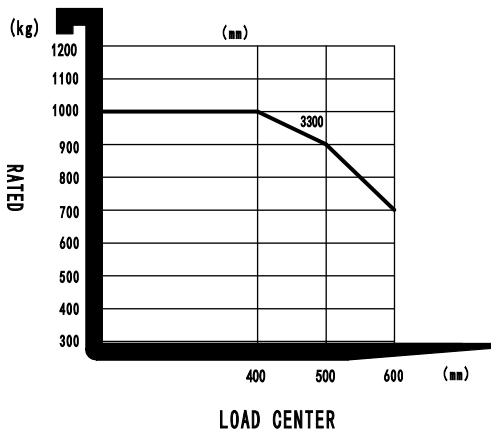
The product colour depends on stock.



98



RATED CAPACITIES GRAPH



Product code	EFS101-1027	
Distinguishing mark		
Drive unit	Electric	
Operator type	Seated	
Rated capacity (Q)	kg	990
Load centre distance (c)	mm	400
Load distance, centre of drive axle to fork (x)	mm	204
Wheelbase (y)	mm	1015
Service weight	kg	1520
Axle loading, laden front/rear	kg	2150/ 360
Axle loading, unladen front/ rear	kg	920/ 900
Tyres / chassis		
Tyre type	Nylon / PU	
Tyre size, front	860	
Tyre size, rear	380	
Wheels, number front/rear (x=drive wheels)	mm	670
Tread, front (b10)	mm	2/2/6
Dimension		
Tilt of mast/fork carriage forward / backward (a/β)	°	3/3
Height, mast lowered (h1)	mm	2061
Free lift (h2)	mm	-
Lift height (h3)	mm	3000
Height, mast extended (h4)	mm	3908
Height of overhead/ guard cabin (h6)	mm	1988
Seat height/ standing height (h7)	mm	878
Tow coupling height (h10)	mm	-
Overall length (l1)	mm	2402
Length to face of forks (l2)	mm	1482
Overall width (b1/ b2)	mm	894
Fork dimension s/ e/ l	mm	35 x 100 x 920
A, B fork carriage class type A, B	2A	
Fork carriage width (b3)	mm	840
Ground clearance, laden, below mast (m1)	mm	60
Ground clearance, centre of wheelbase (m2)	mm	98
Aisle width for pallets 1000 x 1200 crossways (Ast)	mm	2824
Aisle width for pallets 800 x 1200 crossways (Ast)	mm	2938
Turning radius (Wa)	mm	1278
Performance data		
Travel speed, laden/ unladen	km/h	6/8
Lifting speed, laden/ unladen	m/s	0.13/0.2
Lowering speed, laden/ unladen		0.16/0.15
Drawbar pull, laden/ unladen		-
Max. drawbar pull, laden/ unladen		-
Max. gradeability, laden/ unladen		-
Service brake	Electromagnetic	
Parking brake	Electromagnetic	
Electric-engine		
Drive motor rating S2 60 min	kW	1.6
Lift motor rating at S3 15%	kW	2.2
Battery voltage/ nominal capacity	V/Ah	24/220
Battery weight	kg	140
Additional data		
Type of drive unit	AC	
Steering design	Electronic	
Sound pressure level at the driver's ear		74

The product colour depends on stock.

99



Product code		VK2
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)
		590 x 415 x 210/4pcs (External)
Net weight	kg	9

The product colour depends on stock.

Mover Skate

100



[Product Video Click Here](#)

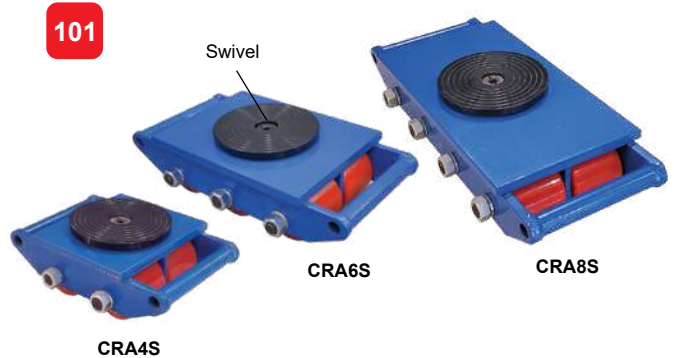
CRO Series Mover Skate

Product code		CRO4R	CRO6R	CRO8R
Capacity	ton	6	8	12
Dimension (L x W x H)	mm	299 x 212 x 110	394 x 212 x 110	490 x 212 x 110
Net weight	kg	11	16	21.5

The product colour depends on stock.

- › 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.

101



CRA Series Mover Skate

Product code		CRA4S	CRA6S	CRA8S
Capacity	ton	6	8	12
Dimension (L x W x H)	mm	299 x 212 x 110	394 x 212 x 110	490 x 212 x 110
Net weight	kg	12	17	22.5

The product colour depends on stock.

102

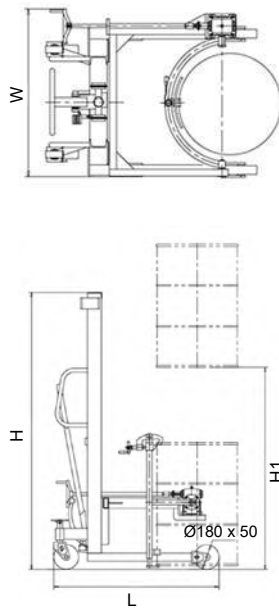


Fully Powered Mover Skate

Product code		PM20T
Rated load	ton	10
Towing capacity	ton	20
Dimension	mm	740 x 640 x 165
Net weight	kg	130
Battery	48V 60AH ternary lithium battery	
Castor wheel	mm	PU 130 x 100
Body frame	Manganese steel	
Battery life	4 - 5 Hours	
Control method	Wireless industrial remote control	
Drive mode	4 wheel drive	
Walking speed	6-10m/min	
Motor	750W / 2 unit brush less direct current motor	

The product colour depends on stock.

103



Manual Drum Handler

Product code		COT400
Capacity	kg	400
Type of lifting		Hand / Foot pump
Tilt angle		180°
Wheel		
Material		Nylon
Quantity of steering / loading wheel		2/2
Wheel base	mm	1080
Loading wheel	mm	Ø180 x 50
Steering wheel	mm	Ø180 x 50
Dimension		
Drum vertical lifting height (H1)	mm	1450
Drum elevation level	mm	1350
Drum 135° tilt height	mm	1250
Overall size (L x W x H)	mm	1200 x 960 x 2030
Min. turning radius	mm	1250

The product colour depends on stock.

104



Hand Pump Drum Porter

Product code		DT250
Capacity	kg	250
Type of lifting	mm	Hand pump
Suitable for drum	mm	Ø590, 55 gallon steel drum
Loading wheel	mm	Ø180 x 50
Steering wheel	mm	Ø125 x 35
Drum vertical lifting height	mm	280
Inside leg width	mm	630
Overall size	mm	820W x 810L x 1050H
Min. turning radius	mm	1250

The product colour depends on stock.

- › Provides a manual, cost-effective way to lift and move drums.
- › Reduces manual lifting strain compared to handling drums directly.
- › Offers manoeuvrability in areas where powered equipment may not be suitable.

105



Foot Pump Drum Porter

Product code		DTF450
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

The product colour depends on stock.

- › Ergonomic operation reduces physical strain.
- › Increased efficiency in drum movement.
- › Enhanced safety with secure grip and safety features.
- › Good manoeuvrability in confined spaces.
- › Relatively cost-effective solution.

106



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.

The product colour depends on stock.

107



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.

The product colour depends on stock.

108



Overhead Horizontal Drum Clamp

Product code		DN500
Capacity	kg	500
Drum	gallon / litre	55 / 210
N.W.	kg	7.6

The product colour depends on stock.

- > 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.

109



Overhead Chain Clamp

Product code		SL1
Rated capacity	kg	1000
Chain size	mm	Ø6x18
Chain length	mm	500
N.W.	kg	3.6

The product colour depends on stock.



110



Drum Tongs

Product code		QT200
Capacity	kg	200
Jaw opening	mm	1-9
N.W.	kg	1.3

The product colour depends on stock.

- > 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.

111



Drum Tongs

Product code		DL360
Capacity	kg	360
Drum	gallon / litre	55 / 210
N.W.	kg	4.5

The product colour depends on stock.

- > 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.

112



Overhead Vertical Drum Clamp

Product code		DL350
Capacity	kg	350
Drum	litre	210
N.W.	kg	6.69

The product colour depends on stock.

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

113



Drum Gripping Mechanism:

Designed to securely hold the drum during lifting and transport.

Eagle Grip Forklift Double Drum Attachment

Product code		EG2
Rated capacity	kg	720
Drum	gallon / litre	(55 / 210) x 2
Net weight	kg	96

The product colour depends on stock.



114



Fully Powered Self Lifting Stacker

Product code		EDL 0513	EDL 0516
Capacity	kg	500	
Overall width	mm	850	
Overall length	mm	1700	
Vehicle overall height	mm	1800	2100
Lifting height	mm	1300	1600
Fork length	mm	1150	
Fork distance	mm	330	
Fork outside width	mm	640	
Single fork width	mm	160	
Travel speed	km/h	5	
Weight	kg	226	234

The product colour depends on stock.



Operating Handle

115



Semi-Powered Self Lifting Stacker

Product code		DL0513	DL0516
Capacity	kg	500	
Overall width	mm	930	920
Lifting height	mm	1300	1600
Vehicle overall height	mm	1800	2100
Fork length	mm	1150	
Fork outside width	mm	560	
Fork distance	mm	250	
Working time		Lifting cycle approx. 200 times	
Ground clearance	mm	85	
Weight	kg	205	

The product colour depends on stock.





2311-PMV-075
2311-PMV-100
2311-PMV-125
(SWIVEL)



2312-PMV-075
2312-PMV-100
2312-PMV-125
(FIXED)



2313-PMV-075
2313-PMV-100
2313-PMV-125
(SIDE BRAKE)



2314-PMV-075
2314-PMV-100
2314-PMV-125
(TOP BRAKE)



PMV-075
PMV-100
PMV-125
(WHEEL)

Medium Duty Top Plate Castor C/W Maroon PVC Wheel (Double Ball Bearing)

Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
75 x 32	10 x 39	105	92 x 62	72 x 45	70
100 x 32	10 x 39	130	92 x 62	72 x 45	80
125 x 32	10 x 39	155	92 x 62	72 x 45	100



2311-PGR-075
2311-PGR-100
2311-PGR-125
(SWIVEL)



2312-PGR-075
2312-PGR-100
2312-PGR-125
(FIXED)



2313-PGR-075
2313-PGR-100
2313-PGR-125
(SIDE BRAKE)



2314-PGR-075
2314-PGR-100
2314-PGR-125
(TOP BRAKE)

Medium Duty Top Plate Castor C/W Gray Rubber Wheel (Double Ball Bearing)

Wheel OD x Width (mm)	Wheel Dia. x Width (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
75 x 32	10 x 40	105	92 x 62	72 x 45	70
100 x 32	10 x 40	130	92 x 62	72 x 45	80
125 x 32	10 x 40	155	92 x 62	72 x 45	100



2311-RBF-075
2311-RBF-100
2311-RBF-175
(SWIVEL)



2312-RBF-075
2312-RBF-100
2312-RBF-175
(FIXED)



2313-RBF-075
2313-RBF-100
2313-RBF-175
(SIDE BRAKE)



2314-RBF-075
2314-RBF-100
2314-RBF-175
(TOP BRAKE)



RBF-075
RBF-100
RBF-175
(WHEEL)

Medium Duty Top Plate Castor C/W 320°C Reddish Brown Fiberglass Wheel (Plain Bearing)

Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
75 x 31	13 x 23	105	92 x 62	72 x 45	80
100 x 31	13 x 23	130	92 x 62	72 x 45	100
125 x 31	13 x 23	155	92 x 62	72 x 45	120



2321-PPB-075
2321-PPB-100
2321-PPB-125
(SWIVEL)



2323-PPB-075
2323-PPB-100
2323-PPB-125
(SIDE BRAKE)




2324-PPB-075
2324-PPB-100
2324-PPB-125
(TOP BRAKE)



PPB-075
PPB-100
PPB-125
(WHEEL)

Medium Duty Bolt Hole Castor C/W White PP Wheel (Double Ball Bearing)

				
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Hole Spacing (mm)	Load Capacity (Kg)
75 x 32	10 x 39	105	13	70
100 x 32	10 x 39	130	13	80
125 x 32	10 x 39	155	13	100



2511-DBV-040
2511-DBV-050
(SWIVEL)



2512-DBV-040
2512-DBV-050
(FIXED)









2514-DBV-040
2514-DBV-050
(TOP BRAKE)



DBV-040
DBV-050
(WHEEL)

Medium Duty Top Plate Castor C/W Black PVC Wheel (Double Ball Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
40 x 20	6 x 30	60	60 x 43	45 x 30	40
50 x 24	6 x 30	71	70 x 50	50 x 35	50



2531-DBV-040-TM12
2531-DBV-050-TM12
(SWIVEL)








2534-DBV-040-TM12
2534-DBV-050-TM12
(TOP BRAKE)



DBV-040
DBV-050
(WHEEL)

Medium Duty M12 Thread Stem Castor C/W Black PVC Wheel (Double Ball Bearing)

				
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Hole Spacing (mm)	Load Capacity (Kg)
40 x 20	6 x 30	60	12 x 30	40
50 x 24	6 x 30	71	12 x 30	50



3311-LPP-080
3311-LPP-100
3311-LPP-125
3311-LPP-160
3311-LPP-200
(SWIVEL)



3312-LPP-080
3312-LPP-100
3312-LPP-125
3312-LPP-160
3312-LPP-200
(FIXED)









3314-LPP-080
3314-LPP-100
3314-LPP-125
3314-LPP-160
3314-LPP-200
(TOP BRAKE)



LPP-080
LPP-100
LPP-125
LPP-160
LPP-200
(WHEEL)

Light Duty Top Plate Castor C/W White PP Wheel (Plain Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
80 x 32	12 x 40	108	102 x 84	60 x 50	60
100 x 33	12 x 40	125	102 x 84	80 x 60	70
125 x 35	15 x 40	150	102 x 84	80 x 60	80
160 x 45	20 x 40	190	135 x 105	105 x 75	120
200 x 45	20 x 40	235	135 x 105	105 x 75	150



3311-SBR-075
3311-SBR-080
3311-SBR-100
3311-SBR-125
3311-SBR-160
3311-SBR-200
(SWIVEL)



3312-SBR-075
3312-SBR-080
3312-SBR-100
3312-SBR-125
3312-SBR-160
3312-SBR-200
(FIXED)









3314-SBR-075
3314-SBR-080
3314-SBR-100
3314-SBR-125
3314-SBR-160
3314-SBR-200
(TOP BRAKE)



SBR-075
SBR-080
SBR-100
SBR-125
SBR-160
SBR-200
(WHEEL)

Light Duty Top Plate Castor C/W Black Rubber Wheel (Roller Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
75 x 28	8 x 34	95	84 x 72	60 x 50	50
80 x 32	8 x 43	108	102 x 84	80 x 60	55
100 x 34	8 x 43	125	102 x 84	80 x 60	70
125 x 36	10 x 43	150	102 x 84	80 x 60	80
160 x 47	12 x 59	190	135 x 105	105 x 75	100
200 x 50	12 x 59	235	135 x 105	105 x 75	130



3611-BER-080
3611-BER-100
3611-BER-125
3611-BER-160
3611-BER-200
(SWIVEL)



3612-BER-080
3612-BER-100
3612-BER-125
3612-BER-160
3612-BER-200
(FIXED)









3614-BER-080
3614-BER-100
3614-BER-125
3614-BER-160
3614-BER-200
(TOP BRAKE)



BER-080
BER-100
BER-125
BER-160
BER-200
(WHEEL)

Medium Duty Top Plate Castor C/W Blue Elastic Rubber Wheel (Roller Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
80 x 33	7.5 x 43	108	102 x 84	80 x 60	80
100 x 33	8 x 43	125	102 x 84	80 x 60	100
125 x 33	9 x 51	150	102 x 84	80 x 60	150
160 x 54	13 x 62	190	135 x 105	105 x 75	200
200 x 54	13 x 62	235	135 x 105	105 x 75	250



3711-BEB-100
3711-BEB-125
(SWIVEL)









3712-BEB-100
3712-BEB-125
(FIXED)



BEB-100
BEB-125
(WHEEL)

Medium Duty Top Plate Castor C/W Blue Elastic Rubber Wheel (Double Ball Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
100 x 34	14 x 45	111	99 x 80	54 x 74	80
125 x 34	15 x 46	194	109 x 95	54 x 74	160

For plastic trolley use.



3911-PBR-160
3911-PBR-200
(SWIVEL)









3914-PBR-160
3914-PBR-200
(TOP BRAKE)



PBR-160
PBR-200
(WHEEL)

Medium Duty Top Plate Castor C/W PP Centre Black Rubber Wheel (Plain Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
160 x 50	20 x 60	200	135 x 110	105 x 80	150
200 x 50	20 x 60	250	135 x 110	105 x 80	200



5311-HBN-100
5311-HBN-125
5311-HBN-150
5311-HBN-200
(SWIVEL)



5312-HBN-100
5312-HBN-125
5312-HBN-150
5312-HBN-200
(FIXED)



5313-HBN-100
5313-HBN-125
5313-HBN-150
5313-HBN-200
(SIDE BRAKE)



5314-HBN-100
5314-HBN-125
5314-HBN-150
5314-HBN-200
(TOP BRAKE)



HBN-100
HBN-125
HBN-150
HBN-200
(WHEEL)

Heavy Duty Top Plate Castor C/W 230°C Brown Nylon Wheel (Double Ball Bearing)

Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
100 x 50	12.5 x 60	142	111 x 96	83 x 73	280
125 x 50	12.5 x 60	163	111 x 96	83 x 73	300
150 x 50	12.5 x 60	192	111 x 96	83 x 73	330
203 x 50	12.5 x 60	240	111 x 96	83 x 73	400



5311-CPU-100
5311-CPU-125
5311-CPU-150
5311-CPU-200
(SWIVEL)



5312-CPU-100
5312-CPU-125
5312-CPU-150
5312-CPU-200
(FIXED)



5313-CPU-100
5313-CPU-125
5313-CPU-150
5313-CPU-200
(SIDE BRAKE)



5314-CPU-100
5314-CPU-125
5314-CPU-150
5314-CPU-200
(TOP BRAKE)



CPU-100
CPU-125
CPU-150
CPU-200
(WHEEL)

Heavy Duty Top Plate Castor C/W Flat Red PU Wheel (Double Ball Bearing)

Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
100 x 50	12.5 x 61	141	115 x 100	85 x 72	250
125 x 50	12.5 x 61	164	115 x 100	85 x 72	280
150 x 50	12.5 x 61	194	115 x 100	85 x 72	320
200 x 50	12.5 x 61	238	115 x 100	85 x 72	400



5311-CIR-100
5311-CIR-125
5311-CIR-150
5311-CIR-200
(SWIVEL)



5312-CIR-100
5312-CIR-125
5312-CIR-150
5312-CIR-200
(FIXED)



5313-CIR-100
5313-CIR-125
5313-CIR-150
5313-CIR-200
(SIDE BRAKE)



5314-CIR-100
5314-CIR-125
5314-CIR-150
5314-CIR-200
(TOP BRAKE)



CIR-100
CIR-125
CIR-150
CIR-200
(WHEEL)

Heavy Duty Top Plate Castor C/W Cast Iron Wheel (Roller Bearing)

Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
100 x 50	13 x 63	142	111 x 96	83 x 73	220
126 x 50	13 x 63	163	111 x 96	83 x 73	250
150 x 50	13 x 63	192	111 x 96	83 x 73	280
200 x 50	13 x 63	238	111 x 96	83 x 73	350



5311-TGR-100
5311-TGR-125
5311-TGR-150
5311-TGR-200
(SWIVEL)



5312-TGR-100
5312-TGR-125
5312-TGR-160
5312-TGR-200
(FIXED)



5313-TGR-100
5313-TGR-125
5313-TGR-160
5313-TGR-200
(SIDE BRAKE)









5314-TGR-100
5314-TGR-125
5314-TGR-160
5314-TGR-200
(TOP BRAKE)



TGR-100
TGR-125
TGR-160
TGR-200
(WHEEL)

Heavy Duty Top Plate Castor C/W Gray Rubber Wheel (Double Ball Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
99 x 49	12.5 x 63	141	115 x 100	85 x 72	150
124 x 50	12.5 x 63	160	115 x 100	85 x 72	180
148 x 50	12.5 x 63	191	115 x 100	85 x 72	250
198 x 50	12.5 x 63	238	115 x 100	85 x 72	300



5311-MOR-100
5311-MOR-125
5311-MOR-150
5311-MOR-200
(SWIVEL)



5312-MOR-100
5312-MOR-125
5312-MOR-150
5312-MOR-200
(FIXED)



5313-MOR-100
5313-MOR-125
5313-MOR-150
5313-MOR-200
(SIDE BRAKE)









5314-MOR-100
5314-MOR-125
5314-MOR-150
5314-MOR-200
(TOP BRAKE)



MOR-100
MOR-125
MOR-150
MOR-200
(WHEEL)

Heavy Duty Top Plate Castor C/W Moulded Rubber Wheel (Roller Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
100 x 50	12.5 x 63	142	111 x 96	83 x 73	120
127 x 50	12.5 x 63	165	111 x 96	83 x 73	150
153 x 50	12.5 x 63	194	111 x 96	83 x 73	200
201 x 50	12.5 x 63	239	111 x 96	83 x 73	250



5311-SPB-100
5311-SPB-125
5311-SPB-150
5311-SPB-200
(SWIVEL)



5312-SPB-100
5312-SPB-125
5312-SPB-150
5312-SPB-200
(FIXED)



5313-SPB-100
5313-SPB-125
5313-SPB-150
5313-SPB-200
(SIDE BRAKE)









5314-SPB-100
5314-SPB-125
5314-SPB-150
5314-SPB-200
(TOP BRAKE)



SPB-100
SPB-125
SPB-150
SPB-200
(WHEEL)

Heavy Duty Top Plate Castor C/W White PP Wheel (Double Ball Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
100 x 50	12.5 x 63	142	111 x 96	83 x 73	220
124 x 50	12.5 x 63	163	111 x 96	83 x 73	250
148 x 50	12.5 x 63	193	111 x 96	83 x 73	280
199 x 50	12.5 x 63	237	111 x 96	83 x 73	350



5394-MOR-150
5394-MOR-200
(TOP BRAKE)









MOR-150
MOR-200
(WHEEL)



5394-150
5394-200
(BRACKET)

Heavy Duty Top Brake Scaffolding Castor C/W Moulded Rubber Wheel (Roller Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Stem Height (mm)	Stem Width (mm)	Load Capacity (Kg)
150 x 50	13 x 63	190	100	Ø35	200
200 x 50	13 x 63	240	100	Ø35	250



5511-BPA-040
5511-BPA-050
5511-BPA-065
5511-BPA-075
(SWIVEL)









5512-BPA-040
5512-BPA-050
5512-BPA-065
5512-BPA-075
(FIXED)



5514-BPA-040
5514-BPA-050
5514-BPA-065
5514-BPA-075
(TOP BRAKE)

Heavy Duty Low Gravity Castor C/W Black PP Wheel (Double Ball Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
40 x 30	8 x 30	64	66 x 50	48 x 32	60
50 x 30	8 x 30	75	72 x 54	53 x 37	80
65 x 40	12 x 40	92	92 x 68	71 x 42	160
75 x 45	12 x 45	106	105 x 80	80 x 60	200



6311-ENY-100
6311-ENY-125
6311-ENY-150
6311-ENY-200
(SWIVEL)



6312-ENY-100
6312-ENY-125
6312-ENY-150
6312-ENY-200
(FIXED)









6314-ENY-100
6314-ENY-125
6314-ENY-150
6314-ENY-200
(TOP BRAKE)



ENY-100
ENY-125
ENY-150
ENY-200
(WHEEL)

Extra Heavy Duty Top Plate Castor C/W MC Nylon Wheel (Double Ball Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
100 x 55	17 x 65	149	140 x 110	108 x 72	500
125 x 55	17 x 65	172	140 x 110	108 x 72	600
150 x 55	17 x 65	199	140 x 110	108 x 72	800
200 x 55	17 x 65	250	140 x 110	108 x 72	1000



6311-EOU-100
6311-EOU-125
6311-EOU-150
6311-EOU-200
(SWIVEL)



6312-EOU-100
6312-EOU-125
6312-EOU-150
6312-EOU-200
(FIXED)








6314-EOU-100
6314-EOU-125
6314-EOU-150
6314-EOU-200
(TOP BRAKE)



EOU-100
EOU-125
EOU-150
EOU-200
(WHEEL)

Extra Heavy Duty Top Plate Castor C/W Orange PU Wheel (Double Ball Bearing)

					
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Overall Height (mm)	Plate Size (mm)	Hole Spacing (mm)	Load Capacity (Kg)
100 x 55	17 x 65	148	140 x 110	108 x 72	500
126 x 55	17 x 65	172	140 x 110	108 x 72	600
150 x 55	17 x 65	197	140 x 110	108 x 72	800
200 x 55	17 x 65	250	140 x 110	108 x 72	1000






LRU-8060 LRU-8070 LRU-8080 LRU-8093 LRU-80100






LNY-8060 LNY-8070 LNY-8093 LNY-80100

Heavy Duty Pallet Truck Red PU Load Wheel (Double Ball Bearing)

		
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Load Capacity (Kg)
80 x 60	20 x 60	600
80 x 70	20 x 70	700
80 x 80	20 x 80	800
80 x 93	20 x 93	1000
80 x 100	20 x 100	600

Heavy Duty Pallet Truck Nylon Load Wheel (Double Ball Bearing)

		
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Load Capacity (Kg)
80 x 60	20 x 60	600
80 x 70	20 x 70	700
80 x 93	20 x 93	800
80 x 100	20 x 100	1000






SRU-18050
SRU-20050
(WHEEL)



SNY-18050
SNY-20050
(WHEEL)

Heavy Duty Pallet Truck Nylon Steering Wheel (Double Ball Bearing)

		
Wheel OD x Width (mm)	Wheel ID x Hub Length (mm)	Load Capacity (Kg)
180 x 50	20 x 50	800
200 x 50	20 x 50	1000



Safety PVC Side Cover Anti slip design
Hinge joint cover with PVC Support Bar
Reinforced braces Non Slip Rubber Foot

Medium Duty Double Sided Ladder

Product code	No. of Step	Working Height		Closed Height		Measurement (mm)		Support Bar
		mm	ft	mm	ft	A	B	
MDS04	4	1000	3.28	1000	3.28	395	680	No
MDS05	5	1225	4.02	1250	4.1	424	755	No
MDS06	6	1500	4.92	1500	4.92	461	878	No
MDS07	7	1750	5.74	1750	5.74	490	1035	No
MDS08	8	2000	6.56	2000	6.56	518	1162	Yes
MDS09	9	2250	7.38	2250	7.38	549	1285	Yes
MDS10	10	2500	8.2	2500	8.2	578	1405	Yes
MDS11	11	2750	9.02	2750	9.02	607	1645	Yes
MDS12	12	3000	9.84	3000	9.84	638	1942	Yes
MDS14	14	3500	11.48	3500	11.48	697	2000	Yes

 CAPACITY
100kgs

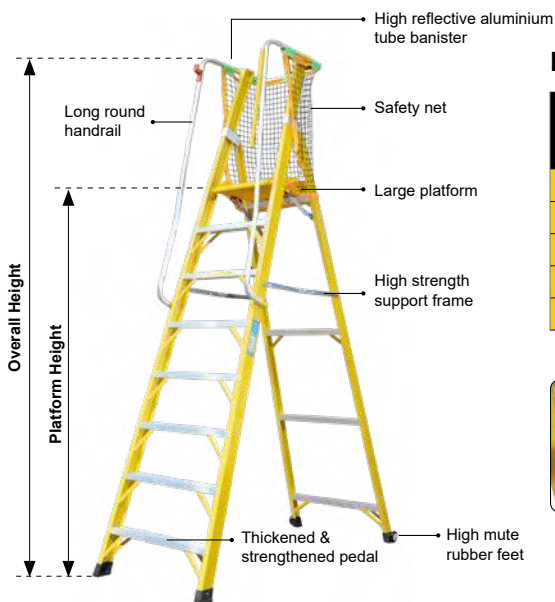


Optional item:
Heavy Duty Ladder Bag
Product code: HLB 6511
Size (mm): 150 x 125 x 275

Heavy Duty Double Sided Ladder

Product code	No. of Step	Working Height		Closed Height		Measurement (mm)		Support Bar
		mm	ft	mm	ft	A	B	
HDS04	4	1000	3.28	1000	3.28	395	680	No
HDS05	5	1225	4.02	1250	4.1	424	755	No
HDS06	6	1500	4.92	1500	4.92	461	878	No
HDS07	7	1750	5.74	1750	5.74	490	1035	No
HDS08	8	2000	6.56	2000	6.56	518	1162	Yes
HDS09	9	2250	7.38	2250	7.38	549	1285	Yes
HDS10	10	2500	8.2	2500	8.2	578	1405	Yes
HDS11	11	2750	9.02	2750	9.02	607	1645	Yes
HDS12	12	3000	9.84	3000	9.84	638	1942	Yes
HDS14	14	3500	11.48	3500	11.48	697	2000	Yes

 CAPACITY
150kgs



Fiberglass Platform Ladder

Product code	Ladder Step	Width (mm)	Length (mm)	Overall Height (mm)	Platform Height (mm)	Bearing (kg)
FGP 04	4	670	1180	2000	1150	150
FGP 06	6	740	1530	2600	1710	
FGP 08	8	800	1900	3200	2280	
FGP 10	10	865	2290	3800	2850	
FGP 12	12	935	2610	4400	3460	



Large Platform

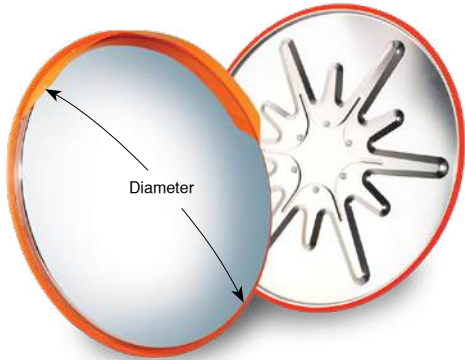


Alkali-free Fiberglass (Damp proof / Anti-corrosion)

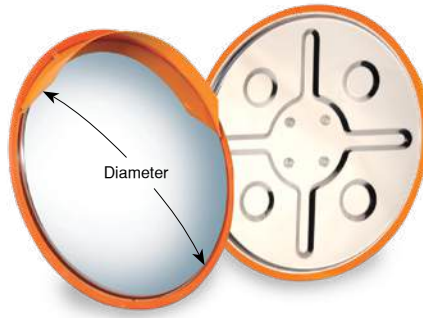


30mm Widened Castor
To move ladder easily

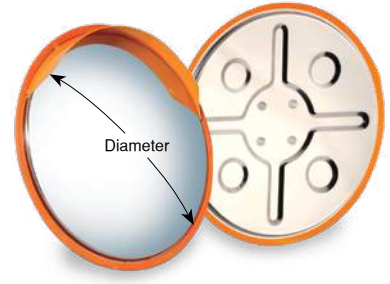
 CAPACITY
150kgs



4) SSCM1000



5) SSCM800



6) SSCM600

Outdoor Stainless Steel Convex Mirror

Product code	Diameter (mm)	Carton size (mm)	Qty carton (pc)	G.W. (kg)	Mounted on	Pole diameter (mm)
SSCM1000	Ø1000	1105 x 1085 x 128	1	19.58	Pole	Ø75
SSCM800	Ø800	905 x 895 x 128	1	14.05		
SSCM600	Ø600	680 x 680 x 175	1	7.95		

Remarks: Pole not included.

Pole Bracket



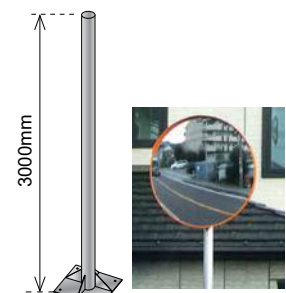
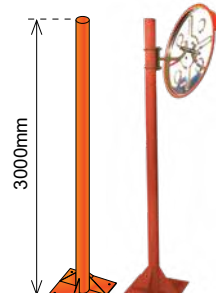
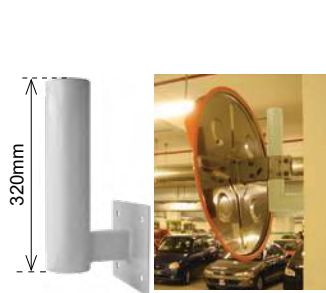
SSCM600 Pole bracket Ø75mm



SSCM800 Pole bracket Ø75mm



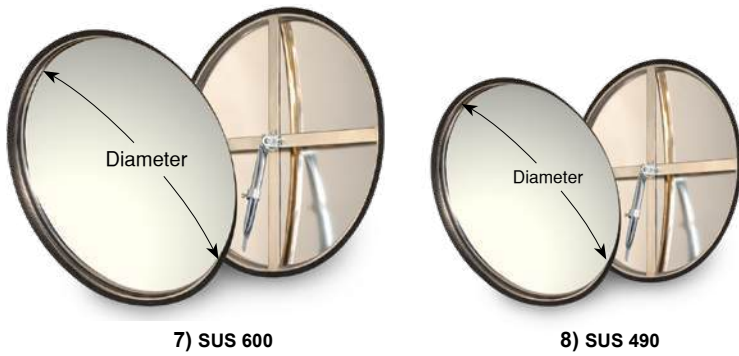
SSCM1000 Pole bracket Ø75mm



Pole

Product name	L-Pole	Ceiling Pole	Mild Steel Pole	Galvanized Pole
Product code	LP0612	CP0328	POLE 75 x 3M	HDG POLE 75 x 3M
Diameter (mm)	Ø75	Ø75	Ø75	Ø75
Height (mm)	320	700	3000	3000
Wall Plate (mm)	150 x 150	-	-	-
Ceiling Plate (mm)	-	152 x 152	-	-
Base Plate (mm)	-	-	305 x 460	305 x 460
Colour	Light Grey	Light Grey	Orange	Silver

Remarks: SSCM 1000, SSCM 800, SSCM 600 use only.

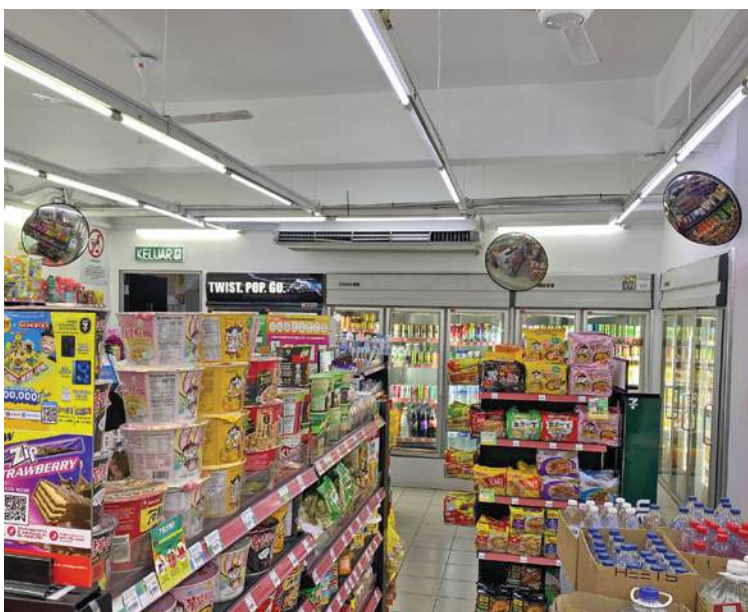


Indoor Stainless Steel Convex Mirror

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



Wall mounted bracket



Polycarbonate Convex Mirror

Polycarbonate Convex Mirror is made of polycarbonate which is soft, lightweight but with strong impact resistant and shatter-proof. Compared with acrylic, polycarbonate lens have excellent reflection properties, ultraviolet-proof and anti-scratch. The impact resistance is about 30 times stronger than the same thickness of acrylic.

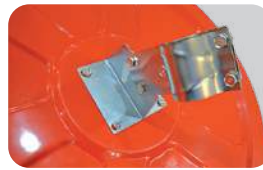
Reliable: Vandal resistant. To improve visibility for blind spots indoors or outdoors, such as driveways, street corners, road crossings, garage exits, parking lots, garage, warehouse, shops, retails, supermarket, etc.



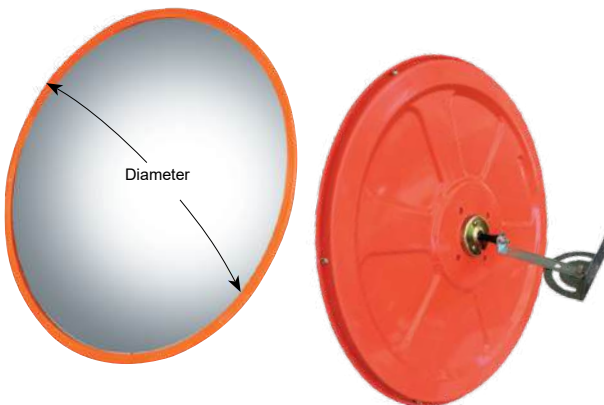
Outdoor Polycarbonate Convex Mirror

Product code	Diameter (cm)	Pole bracket (cm)
PCOM60	Ø60	Ø5
PCOM80	Ø80	Ø7.5
PCOM100	Ø100	Ø7.5

Remarks: Pole not included.



Pole mounted bracket



Indoor Polycarbonate Convex Mirror

Product code	Diameter (cm)
PCIM45	Ø45
PCIM60	Ø60

Remarks: Pole not included.



Wall mounted bracket



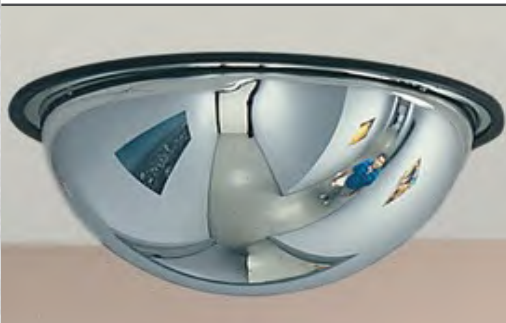
Springs back automatically, after press.



Protective film - To avoid scratch, remove it after installation.



Suitable use in indoor and outdoor.



Indoor Dome Mirror

Product code	Diameter	Material made	Mounted on
IDM600	Ø600	Polycarbonate	Ceiling



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