

WAREHOUSE AND LOGISTICS CONTAINERS

Storage cages, mesh and plate boxes, stacking racks, steel pallets and containers for automated warehouses - range data and reference dimensions.

RANGE OF THIS FILE

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SCOPE AND SOURCING

This file collects the warehouse, logistics and material-handling container range Balford quotes. Sheet metal and wire parts - frames, mesh panels, posts, bases, skids and decks - are fabricated steelwork. Castors, plastic parts and other purchased components are bought out and supplied fitted; we do not make those parts ourselves.

Dimensions, weights and load ratings are reference data taken from the range, in millimetres and kilograms unless stated otherwise. Model codes are the range codes. Confirm the drawing, the load rating, the finish and the packing against your order before manufacture.

STORAGE CAGES (BUTTERFLY CAGES)

Folding steel storage cages for raw material, work in progress and finished goods. Welded steel construction; they stack when loaded, fold flat when empty and are handled by pallet truck or forklift. Used for material storage, part movement, warehouse stacking and order picking.

22 cage models are listed, from 500 kg to 1000 kg rated load, with mesh pitch from 25 x 50 mm and 4-high stacking.

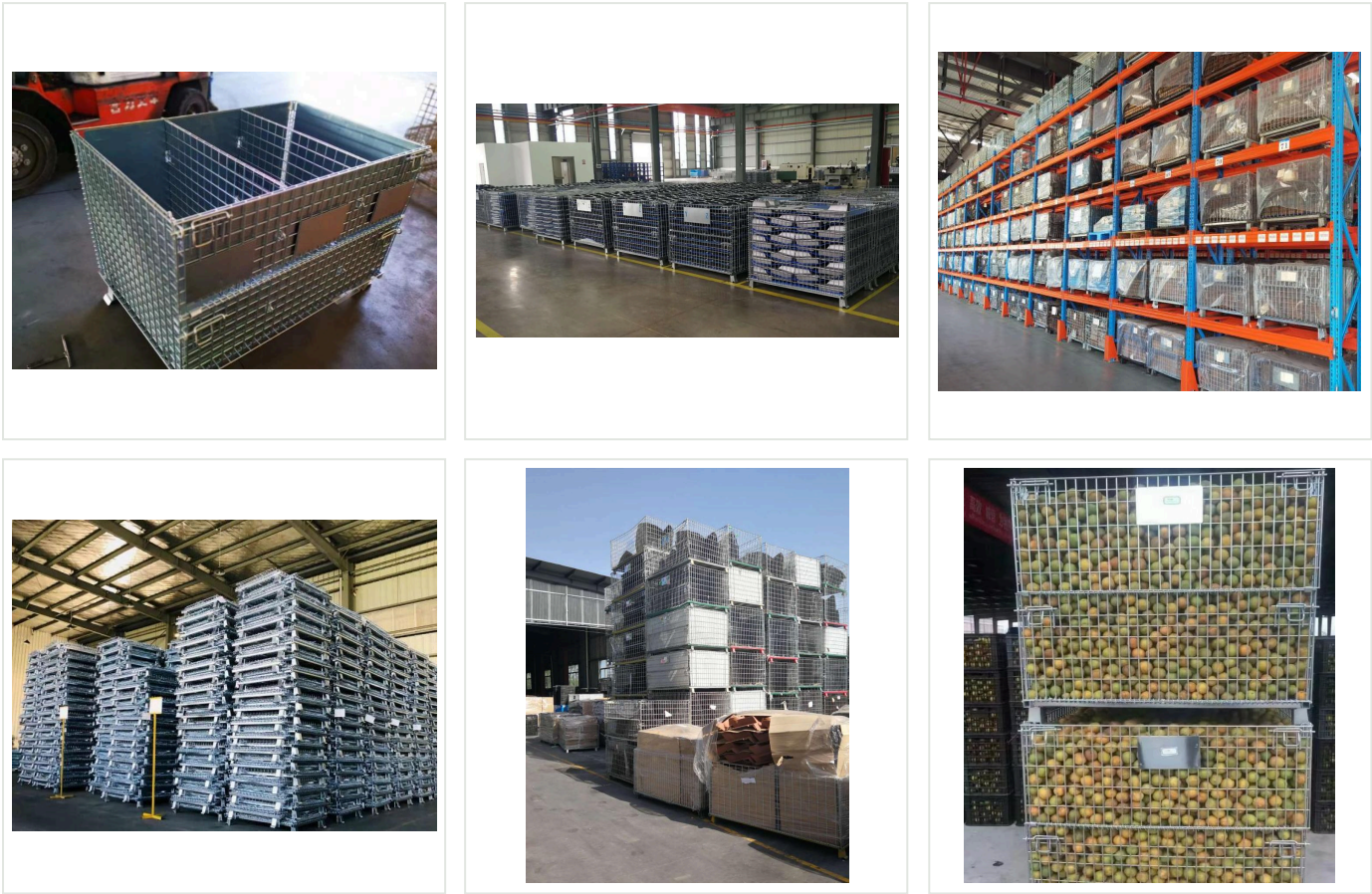


STORAGE CAGE SPECIFICATION

MODEL	EXTERNAL SIZE L X W X H (MM)	MESH PITCH	BASE BEAM LAYOUT	WIRE DIA. (MM)	LOAD CAPACITY (KG)	NET WEIGHT (KG)	VOLUME (M3)	STACKING LAYERS
A-1	800*600*640	50*50	5*2	5.8	1000	28.1	0.22	4
A-2	800*600*640	50*50	4*2	5.6	800	27.8	0.22	4
A-3	800*600*640	50*50	5*2	5.8	800	26.1	0.22	4
A-4	800*600*640	50*50	4*2	5.6	600	25.4	0.22	4
A-5	800*600*640	50*50	4*3	5.2	500	22.6	0.22	4
A-6	800*600*640	50*50	4*3	4.8	300	20.4	0.22	4
B-1	1000*800*840	50*50	5*2	5.8	1000	43.3	0.52	4
B-2	1000*800*840	50*50	5*2	5.6	800	40.5	0.52	4
B-3	1000*800*840	50*50	5*2	5.2	600	34.8	0.52	4
B-4	1000*800*840	50*50	5*2	4.8	500	31.2	0.52	4
B-5	1000*800*840	50*100	5*2	5.8	800	37.7	0.52	4
B-6	1000*800*840	50*100	5*2	4.8	300	27.7	0.52	4
C-1	1200*1000*890	50*50	6*4	5.8	1000	59.7	0.84	4
C-2	1200*1000*890	50*50	6*4	5.6	800	56.9	0.84	4
C-3	1200*1000*890	50*50	5*3	5.6	700	53.2	0.84	4
C-4	1200*1000*890	50*50	6*4	4.8	600	41.9	0.84	4
C-5	1200*1000*890	50*100	5*3	5.8	800	49.3	0.84	4
C-6	1200*1000*890	50*100	5*3	5.6	600	46.2	0.84	4
C-7	1200*1000*890	50*100	5*3	4.8	300	36	0.84	4
D-1	800*500*530	25*50	4*2	4.8	600	20.6	0.15	4
D-2	800*500*540	25*25	4*2	4.6	600	23.6	0.15	4
D-3	800*600*640	25*50	4*2	4.8	600	26	0.22	4

Base beam layout is given as the number of beams in each direction. Volume is the usable volume of the folded body. Net weight is per cage.

STORAGE CAGES IN USE



Application photographs of the same cage range: stacking, forklift handling, flat storage and order picking.

METAL MESH BOXES

Mesh boxes, Korean-style boxes and angle-iron mesh cages in Q235 steel for parts, hardware, automotive components and general merchandise. They fold to save warehouse space and are moved by pallet truck or fork lift.



MESH BOX SPECIFICATION

MODEL	EXTERNAL SIZE L X W X H (MM)	INTERNAL SIZE L X W X H (MM)	MESH PITCH	WIRE DIA. (MM)	UPRIGHTS	BASE FRAME	BASE PLATE	RATED LOAD (KG)	STACKING LAYERS	SURFACE FINISH
L-1	1200*1000*900	1080*900*700	50*50	5.6	2.0	2.0	1.2	1500	3-4	Powder coated / electroplated

MODEL	EXTERNAL SIZE L X W X H (MM)	INTERNAL SIZE L X W X H (MM)	MESH PITCH	WIRE DIA. (MM)	UPRIGHTS	BASE FRAME	BASE PLATE	RATED LOAD (KG)	STACKING LAYERS	SURFACE FINISH
L-2	1000*800*770	925*725*570	50*50	5.6	2.0	2.0	1.2	1500	3-4	Powder coated / electroplated
L-3	1200*1000*770	1125*925*570	50*50	5.6	2.0	2.0	1.2	1500	3-4	Powder coated / electroplated

MODEL	EXTERNAL SIZE L X W X H (MM)	INTERNAL SIZE L X W X H (MM)	MESH PITCH	WIRE DIA. (MM)	UPRIGHTS	BASE FRAME	BASE PLATE	RATED LOAD (KG)	STACKING LAYERS	SURFACE FINISH
L-4	800*600*660	770*560*430	50*50	5.5	3.8	2.3	2.3	1000	3-4	Powder coated / electroplated
L-5	1000*800*880	930*760*650	50*50	5.5	3.8	2.3	2.3	1000	3-4	Powder coated / electroplated

METAL PLATE BOXES AND ANGLE-IRON FRAMES

Folding and fixed steel plate boxes plus angle-iron frames in Q235 steel, for parts, hardware, automotive components and general merchandise storage and movement.



FOLDING STEEL PLATE BOXES

MODEL	EXTERNAL SIZE (MM)	INTERNAL SIZE (MM)	LOAD CAPACITY (KG)	STACKING	SURFACE FINISH
L-4	1200*1000*900	1080*900*700	1500	3-4	Powder coated / electroplated
L-5	1000*800*850	880*700*650	1500	3-4	Powder coated / electroplated

FIXED STEEL PLATE BOXES

MODEL	EXTERNAL SIZE (MM)	INTERNAL SIZE (MM)	LOAD CAPACITY (KG)	STACKING	SURFACE FINISH
L-6	840*640*600	740*540*450	1500	3-4	Powder coated / electroplated

MODEL	EXTERNAL SIZE (MM)	INTERNAL SIZE (MM)	LOAD CAPACITY (KG)	STACKING	SURFACE FINISH
L-7	900*700*660	800*600*500	1200	3-4	Powder coated
L-8	1000*800*800	900*700*640	1200	3-4	Powder coated

ANGLE-IRON FRAMES

MODEL	EXTERNAL SIZE (MM)	INTERNAL SIZE (MM)	LOAD CAPACITY (KG)	STACKING	SURFACE FINISH
L-9	800*600*640	780*585*440	1000	3-4	Powder coated
L-10	1000*800*840	980*785*640	1000	3-4	Powder coated

STACKING RACKS

Two rack families: fabric roll racks built for textile mills, fabric warehouses and garment plants (rolls of greige, printed, knitted and silk fabric, and carpets), with anti-scratch, moisture and crushing protection; and insert-tube racks for chilled and frozen storage. Both take fork lift and AGV handling, stack in layers and fold when empty.



FABRIC ROLL STACKING RACKS

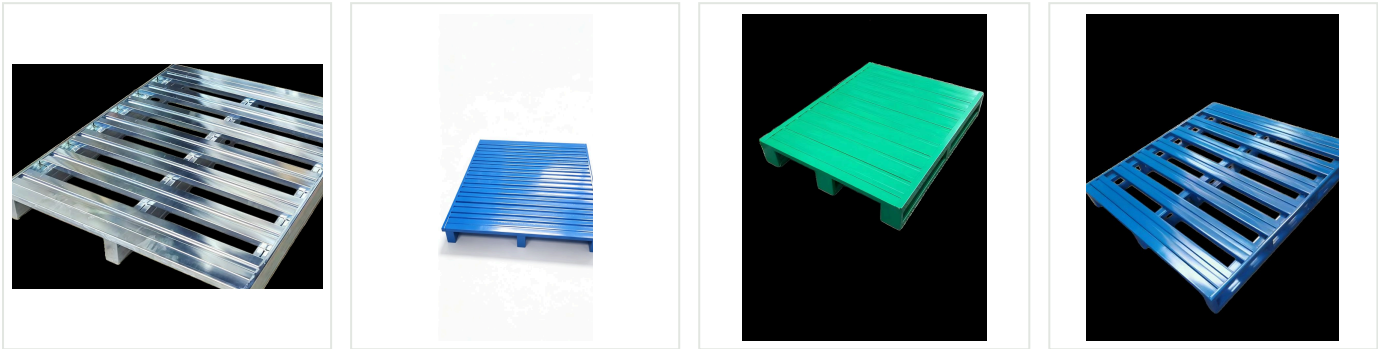
MODEL	EXTERNAL SIZE (MM)	RATED LOAD (KG)	STACKING LAYERS	LOAD (KG)	SURFACE FINISH
L-11	1200*1500*1250	1000	3-4	1000	Powder coated / electroplated
L-12	1500*1500*1500	1000	3-4	1000	Powder coated / electroplated
L-13	1200*1000*1000	1000	3-4	1000	Powder coated / electroplated

INSERT-TUBE STACKING RACKS (COLD STORE)

MODEL	EXTERNAL SIZE (MM)	INTERNAL SIZE (MM)	STACKING LAYERS	LOAD (KG)	SURFACE FINISH
L-14	1000*1000*1200	800*800*1050	4-5	1000	Powder coated / electroplated
L-15	1200*1000*1500	1000*800*1350	4-5	1000	Powder coated / electroplated
L-16	1200*1200*1500	1000*1000*1350	4-5	1000	Powder coated / electroplated
L-17	1400*1100*1500	1200*900*1350	4-5	1000	Powder coated / electroplated

STEEL PALLETS

Steel pallets in full deck and half deck versions, with three-runner standard and four-way entry options, powder coated or hot-dip galvanised. Listed dynamic load up to 3 t and static load up to 10 t. Intended for hand pallet trucks, electric pallet trucks, stackers, AGVs, shuttle systems and automated warehouses.

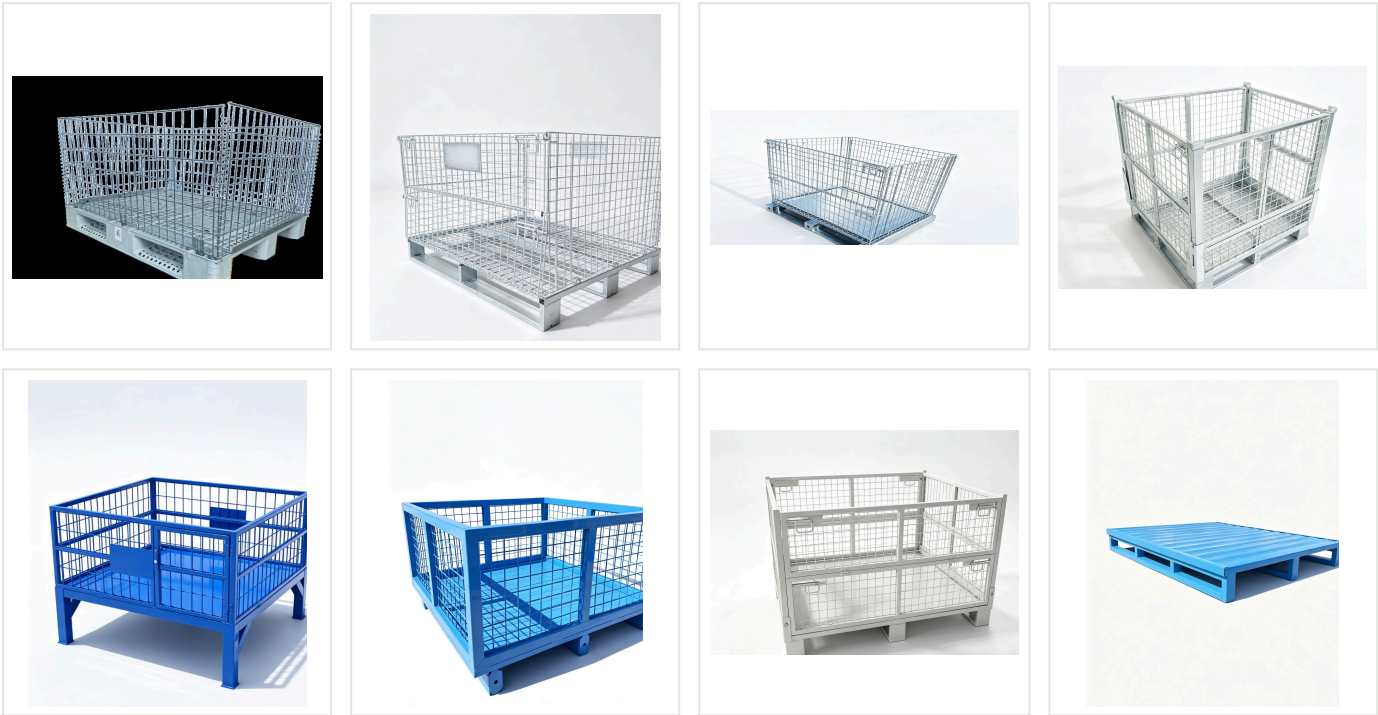


STEEL PALLET SPECIFICATION

MODEL	EXTERNAL SIZE L X W X H (MM)	RATED LOAD (KG)	DECK PITCH (MM)	SURFACE FINISH
Half deck	1000*800*125	1500-2000	50	Electroplated base / powder coated
Half deck	1000*1000*125	1500-2000	60	Electroplated base / powder coated
Half deck	1100*1100*125	1500-2000	50	Electroplated base / powder coated
Half deck	1000*1200*125	1500-2000	67	Electroplated base / powder coated
Half deck	1200*800*125	1500-2000	50	Electroplated base / powder coated
Half deck	1200*1000*125	1500-2000	60	Electroplated base / powder coated
Half deck	1200*1200*125	1500-2000	67	Electroplated base / powder coated
Full deck	1000*800*125	1500-2000	None	Electroplated base / powder coated
Full deck	1000*1000*125	1500-2000	None	Electroplated base / powder coated
Full deck	1100*1100*125	1500-2000	None	Electroplated base / powder coated
Full deck	1000*1200*125	1500-2000	None	Electroplated base / powder coated
Full deck	1200*800*125	1500-2000	None	Electroplated base / powder coated
Full deck	1200*1000*125	1500-2000	None	Electroplated base / powder coated
Full deck	1200*1200*125	1500-2000	None	Electroplated base / powder coated

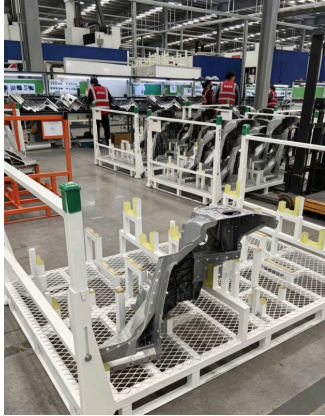
SMART LOGISTICS AND AUTOMATED WAREHOUSE CONTAINERS

Standard load units for automated storage and retrieval systems, shuttle systems, AGV transport and WMS / WCS controlled warehouses: containers, pallets and racks dimensioned for cold stores, textile warehouses, e-commerce fulfilment centres and manufacturing plants.



AUTOMOTIVE PART RACKS

Racks, kitting trolleys and line-side storage built to the component: part-specific transfer racks, dedicated storage racks and work-station racks for tier suppliers and vehicle plants, sized to the part envelope, weight and handling route.



Part-specific racks are quoted from the drawing or the sample: part envelope, weight per rack, stacking requirement, handling equipment and the surface finish.

ORDERING

WHAT TO SEND

- Section and model code from the tables in this file, or the part drawing for a dedicated rack.
- External size (L x W x H) and, where it matters, the internal size.
- Load per container and whether it is uniformly distributed or point loaded.
- Stacking requirement: how many layers high, loaded and empty.
- Finish: powder coated to a RAL colour, hot-dip galvanised or electroplated.
- Handling: fork lift, pallet truck, stacker, AGV or shuttle, including entry direction.
- Quantity, packing requirement and delivery port or address.

HOW THE RANGE IS QUOTED

- Per model and size, then per finish and per handling option.
- Quantity breaks for the batch you intend to order.
- Purchased components (castors, plastic parts, accessories) are quoted as supplied components and are named as such on the quotation.
- Freight is quoted separately so the ex-works comparison stays visible.

WHO MAKES WHAT

Sheet metal and wire parts - frames, mesh panels, posts, bases, skids and decks - are produced as fabricated steelwork, with powder coating applied in-house for parts that fit the booth and an external line for oversize work. Castors, plastic parts and other purchased components are bought out and supplied fitted.

QUOTATION AND DRAWINGS

Send the model code or the part drawing to rfq.balford.net - we reply within one business day. Download files: balford.net/downloads/. Contact: shawn@balford.net · Zhejiang Balford Mechatronics Co., Ltd., Zhuji, Zhejiang, China.