

META-MINI-RACK®-Long Span shelving system

META

The storage system



The alternative to Pallet Racking

when you need to store bulky items which need to be hand loaded rather than palletised.

- Level load capacity up to 600 kg udl
- Bay load capacity up to 4600 kg udl
- Levels are adjustable in height on a 50 mm vertical pitch.
- Extremely simple assembly



To order the complete two bay unit illustrated above

Ref. 51235 / 51237

Overall dimensions

2200 H x 3758 W x 650 D mm

Contents of the kit

3 frames and 6 levels including 19 mm chipboard decks and stepped beams.

All metal components galvanised for long service life.



Extra levels
Can be obtained under

Ref. 2922

Complete with stepped beams and chipboard deck.



Starter bay:

2 Frames (ckd) 3 levels including chipboard decks. Assembly fasteners.



Add-on bay:

1 Frame (ckd) 3 levels including chipboard decks. Assembly fasteners.

META-MINI-RACK® Long Span shelving system

The versatile racking system for cumbersome and heavy goods.



- 1 Starter bay
- 2 Frames (→ p. 76)
- 3 Dividers (→ p. 78)
- 4 Stepped beams (→ p. 76)
- 5 Vertical spacing spigots (→ p. 78)
- 6 Chipboard drop-in decks
- 7 Add-on bay
- 8 Steel drop-in deck panels

META-MINI-RACK® is the extension to the META boltless shelving programme. META-MINI-RACK® offers the solution in those applications where very heavy load capacities are required or bulky items requiring the open long span spaces for accommodation. The range of bay widths offers the right size for almost all applications making the system the solution to those with widely varying requirements of hand loaded storage space. In a larger installation the META-MINI-RACK® can be easily integrated with META CLIP boltless shelving meaning that small parts storage and bulky storage can be located in a single installation.





Illustration of Steel inlay deck panels



Illustration of Chip-board inlay deck, with cross-supports and divider location holes.

- Level load capacity up to 600 kg
- Bay load capacity up to 4,600 kg
- Levels adjustable on 50 mm vertical pitch
- Stepped beams are perforated for dividers at 200 mm centres
- Finished in galvanised or powder coated RAL 7035 light grey
- All load capacity are uniformly distributed loads – udl.

META-MINI-RACK®

Size range

Standard Frame heights

2200 mm
2500 mm
3000 mm

Standard Frame depths

650 mm
800 mm
1050 mm

Standard bay widths

1400 mm
1800 mm
2200 mm
2600 mm

Layout information:

Starter bay

Beam length + 107 mm

Add-on bay

Beam length + 51 mm



Example of an installation integrating META-MINI-RACK® on the lower level and an upper tier of META-CLIP boltless shelving.

META-MINI-RACK® Long Span shelving system

Standard starter and add-on bay kits in galvanised finish.



- The lower cost alternative to pallet racking for heavy and bulky items which are non-palletised and can be hand loaded
- Frames and stepped beams galvanised for long service life.
- Inlay decks:
Chipboard or Steel panels
- Frame heights from 2200 to 3000 mm
- Frame depths from 650 to 1050 mm
- Level load capacities for beams
1400, 1800 and 2200 = 600 kg max.
2600 = 490 kg max
- Bay load capacity 4600 kg max (udl)

Layout information
Starter bay
 Beam length + 107 mm
Add-on bay
 Beam length + 51 mm

Safety notice
 Tipping danger –
 see floor anchor fixings
 page 77.

MINI-RACK® · Galvanised finish · Rack height 2200 mm

Bay height mm	Bay width x depth mm	No. of levels pcs	Starter Bay with		Add-on bay with		Extra levels	
			Chipboard decks Ref.	Steel decks Ref.	Chipboard decks Ref.	Steel decks Ref.	Chipboard Ref.	Steel Ref.
2200	1400 x 650	3	51223	51224	51225	51226	42930	43031
2200	1400 x 800	3	51227	51228	51229	51230	42931	43032
2200	1400 x 1050	3	51231	51232	51233	51234	42932	43033
2200	1800 x 650	3	51235	51236	51237	51238	2922	43034
2200	1800 x 800	3	51239	51240	51241	51242	2925	43035
2200	1800 x 1050	3	51243	51244	51245	51246	2928	43036
2200	2200 x 650	3	51247	51248	51249	51250	2930	43037
2200	2200 x 800	3	51251	51252	51253	51254	2933	43038
2200	2200 x 1050	3	51255	51256	51257	51258	2947	43039
2200	2600 x 650	3	51259	51260	51261	51262	3037	43040
2200	2600 x 800	3	51263	51264	51265	51266	3041	43041
2200	2600 x 1050	3	51267	51268	51269	51271	3045	43042



MINI-RACK® · Galvanised finish · Rack height 2500 mm

Bay height mm	Bay width x depth mm	No. of levels pcs	Starter Bay with		Add-on bay with		Extra levels	
			Chipboard decks Ref.	Steel decks Ref.	Chipboard decks Ref.	Steel decks Ref.	Chipboard Ref.	Steel Ref.
2500	1400 x 650	4	51272	51273	51274	51275	42930	43031
2500	1400 x 800	4	51276	51277	51278	51279	42931	43032
2500	1400 x 1050	4	51280	51281	51282	51283	42932	43033
2500	1800 x 650	4	51284	51285	51286	51287	2922	43034
2500	1800 x 800	4	51288	51289	51290	51291	2925	43035
2500	1800 x 1050	4	51292	51293	51294	51295	2928	43036
2500	2200 x 650	4	51296	51297	51298	51299	2930	43037
2500	2200 x 800	4	51300	51301	51302	51303	2933	43038
2500	2200 x 1050	4	51304	51305	51306	51307	2947	43039
2500	2600 x 650	4	51308	51309	51310	51311	3037	43040
2500	2600 x 800	4	41570	51312	41571	51313	3041	43041
2500	2600 x 1050	4	51314	51315	51316	51317	3045	43042

MINI-RACK® · Galvanised finish · Rack height 3000 mm

Bay height mm	Bay width x depth mm	No. of levels pcs	Starter Bay with		Add-on bay with		Extra levels	
			Chipboard decks Ref.	Steel decks Ref.	Chipboard decks Ref.	Steel decks Ref.	Chipboard Ref.	Steel Ref.
3000	1400 x 650	5	51318	51319	51320	51321	42930	43031
3000	1400 x 800	5	51322	51323	51324	51325	42931	43032
3000	1400 x 1050	5	51326	51327	51328	51329	42932	43033
3000	1800 x 650	5	51330	51331	51332	51333	2922	43034
3000	1800 x 800	5	51334	51335	51336	51337	2925	43035
3000	1800 x 1050	5	51338	51339	51340	51341	2928	43036
3000	2200 x 650	5	51342	51343	51344	51345	2930	43037
3000	2200 x 800	5	51346	51347	51348	51349	2933	43038
3000	2200 x 1050	5	51350	51351	51352	51353	2947	43039
3000	2600 x 650	5	51354	51355	51356	51357	3037	43040
3000	2600 x 800	5	51358	51359	51360	51361	3041	43041
3000	2600 x 1050	5	51362	51363	51364	51365	3045	43042

META-MINI-RACK® Long Span shelving system

Standard starter and add-on bay kits in powder coated finish RAL 7035 Light grey.



MINI-RACK® · Powder coated RAL 7035 finish · Rack height 2200 mm

Bay height mm	Bay width x depth mm	No. of levels pcs	Starter Bay with		Add-on bay with		Extra levels	
			Chipboard decks Ref.	Steel decks Ref.	Chipboard decks Ref.	Steel decks Ref.	Chipboard Ref.	Steel Ref.
2200	1400 x 650	3	68163	68164	68165	68166	68312	68313
2200	1400 x 800	3	68176	68177	68178	68179	68314	68315
2200	1400 x 1050	3	68188	68189	68191	68195	68316	68317
2200	1800 x 650	3	68204	68205	68206	68207	68318	68319
2200	1800 x 800	3	68216	68217	68218	68219	68320	68321
2200	1800 x 1050	3	68228	68229	68230	68231	68322	68323
2200	2200 x 650	3	68240	68241	68242	68243	68324	68325
2200	2200 x 800	3	68252	68253	68254	68255	68326	68327
2200	2200 x 1050	3	68264	68265	68266	68267	68328	68329
2200	2600 x 650	3	68276	68277	68278	68279	68330	68331
2200	2600 x 800	3	68288	68289	68290	68291	68332	68333
2200	2600 x 1050	3	68300	68301	68302	68303	68334	68335

- The lower cost alternative to pallet racking for heavy and bulky items which are non-palletised and can be hand loaded.
- Frames and stepped beams powder coated RAL 7035 Light grey.
- Inlay decks:
Chipboard or Steel panels
- Frame heights from 2200 to 3000 mm
- Frame depths from 650 to 1050 mm
- Level load capacities for beams
1400, 1800 and 2200 = 600 kg max.
2600 = 490 kg max.
- Bay load capacity 4600 kg max (udl)

Layout information
Starter bay

Beam length + 107 mm

Add-on bay

Beam length + 51 mm

Safety notice

Tipping danger –

see floor anchor fixings

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MINI-RACK® · Powder coated RAL 7035 finish · Rack height 2500 mm

Bay height mm	Bay width x depth mm	No. of levels pcs	Starter Bay with		Add-on bay with		Extra levels	
			Chipboard decks Ref.	Steel decks Ref.	Chipboard decks Ref.	Steel decks Ref.	Chipboard Ref.	Steel Ref.
2500	1400 x 650	4	68167	68168	68169	68170	68312	68313
2500	1400 x 800	4	68180	68181	68182	68183	68314	68315
2500	1400 x 1050	4	68196	68197	68198	68199	68316	68317
2500	1800 x 650	4	68208	68209	68210	68211	68318	68319
2500	1800 x 800	4	68220	68221	68222	68223	68320	68321
2500	1800 x 1050	4	68232	68233	68234	68235	68322	68323
2500	2200 x 650	4	68244	68245	68246	68247	68324	68325
2500	2200 x 800	4	68256	68257	68258	68259	68326	68327
2500	2200 x 1050	4	68268	68269	68270	68271	68328	68329
2500	2600 x 650	4	68280	68281	68282	68283	68330	68331
2500	2600 x 800	4	68292	68293	68294	68295	68332	68333
2500	2600 x 1050	4	68304	68305	68306	68307	68334	68335

MINI-RACK® · Powder coated RAL 7035 finish · Rack height 3000 mm

Bay height mm	Bay width x depth mm	No. of levels pcs	Starter Bay with		Add-on bay with		Extra levels	
			Chipboard decks Ref.	Steel decks Ref.	Chipboard decks Ref.	Steel decks Ref.	Chipboard Ref.	Steel Ref.
3000	1400 x 650	5	68171	68173	68174	68175	68312	68313
3000	1400 x 800	5	68184	68185	68186	68187	68314	68315
3000	1400 x 1050	5	68200	68201	68202	68203	68316	68317
3000	1800 x 650	5	68212	68213	68214	68215	68318	68319
3000	1800 x 800	5	68224	68225	68226	68227	68320	68321
3000	1800 x 1050	5	68236	68237	68238	68239	68322	68323
3000	2200 x 650	5	68248	68249	68250	68251	68324	68325
3000	2200 x 800	5	68260	68261	68262	68263	68326	68327
3000	2200 x 1050	5	68272	68273	68274	68275	68328	68329
3000	2600 x 650	5	68284	68285	68286	68287	68330	68331
3000	2600 x 800	5	68296	68297	68298	68299	68332	68333
3000	2600 x 1050	5	68308	68309	68310	68311	68334	68335

META-MINI-RACK® Long Span shelving system

Component programme



1 Galvanised Frames

The diagonal/ horizontal bracing and feet are produced from cold-reduced high quality steel and galvanised to match the rolled formed uprights which when bolted together form a tough and stable frame. On request we can supply the beams pre-assembled rather than the knocked down format used for shipping ease. Please ask for details of our pre-assembly service.

Height mm	650 mm	Depth 800 mm	1050 mm
	Ref.	Ref.	Ref.
2200	42757	41343	41344
2500	51366	51368	51370
3000	51367	51369	51371

1 Powder coated Frames in RAL 7035 Light grey.

The uprights are powder coated but the bracing and foot components are galvanised as in the Galvanised Frames.

Height mm	650 mm	Depth 800 mm	1050 mm
	Ref.	Ref.	Ref.
2200	68146	68149	68150
2500	68147	63607	68151
3000	68148	63606	60727



2 Stepped beams

Designed to accept inlay decks of chipboard or steel panels. Perforated to accept the divider range. The beams have a 19 mm step so that the chipboard or steel panel inlay decks produce a flush level to aid storage and retrieval of bulky or heavy packages from the levels. Combined with the beams and ordered separately are the cross-supports – the table below shows how many cross-supports are needed to achieve the individual beam type load carrying capacity.

* Using steel panels 3 supports using chipboard 4 supports to achieve the loads on the table below. If the items stored are placed directly on the beams with no decks the loadings are still applicable.

** The part reference numbers are for a single beam with safety locator pin.

Beam mm	Load Capacity per pair/ kg**	Cross-supports per pair of beams	Galvanised	RAL 7035
			Ref.	Ref.
1400	830	1	3033	66909
1800	645	2	2994	68152
2200	650	2	2997	60739
2600	490	3/4 *	3030	60731



3 Cross-supports

Galvanised and notched to fit into the stepped beams to impart strength to the pairs of beams and reduce deflection of the inlay decks both chipboard and steel.

Length mm	Galvanised Ref.
650	729
800	731
1050	732



4 Chipboard Inlay Decks

19 mm thick (order beams separately)

Level width x depth mm	Ref.	Level width x depth mm	Ref.
1400 x 650	42898	2200 x 650	906
1400 x 800	42897	2200 x 800	905
1400 x 1050	42896	2200 x 1050	904
		2600 = 2 x 1300	
1800 x 650	908	1300 x 650	912
1800 x 800	909	1300 x 800	911
1800 x 1050	907	1300 x 1050	910



5 Steel Panel Inlay Decks

Steel panels are 100 mm wide

width x depth mm	Galvanised Ref.	Beam length mm	Panels required
100 x 650	69886	1400	14
100 x 800	69887	1800	18
100 x 1050	69888	2200	22
		2600	26



6 Spacers

These are required when building back-to-back racks to connect the runs at the correct spacing.

Length mm	Galvanised Ref.
50	48929
100	48930



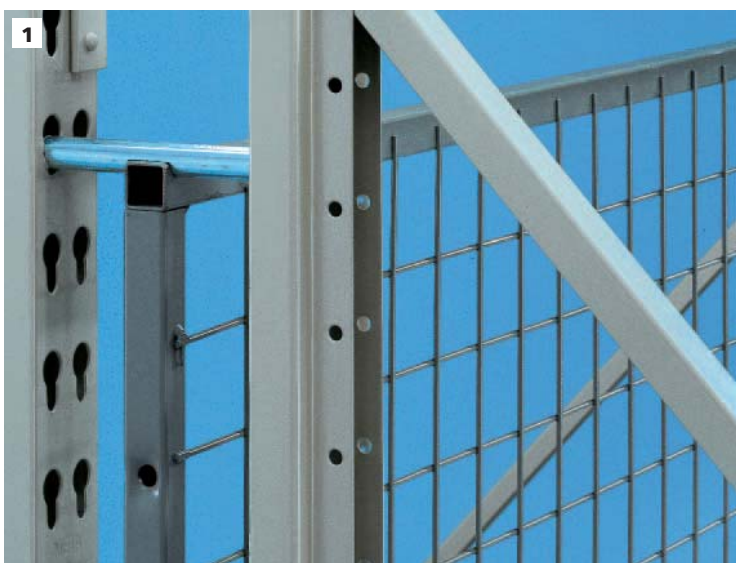
7 Ground fixing bolts

Fixes the frame feet to the floor when tipping is possible.

Length mm	Each Ref.
MZA-S 12-25	43472

META-MINI-RACK®

Accessory range



1 Mesh bay back

Prevents the push-through of stored goods on single runs and on back-to-back runs act as a central separator. On the back-to-back application the support brackets for the mesh also act as spacers.

Please contact our sales department to obtain a quotation against your requirements.



2 Vertical Spacing Spigots

To separate vertically stored items. Use with a stepped beam and can be positioned at any point to suit requirements. 15 mm diameter.

Length	Galvanised
mm	Ref.
400	51398



3 Beam Pegs

Fit into the perforation in the stepped beams (at 200 mm centres)

Length	Galvanised
mm	Ref.
350	54317



4 Dividers

Fit into the perforation in the stepped beams (at 200 mm centres)

Frame depth	Divider height	Galvanised
mm	mm	Ref.
650	250	45696
650	500	45697
650	750	45698
800	250	45699
800	500	45700
800	750	45701
1050	250	45702
1050	500	45703
1050	750	45704

Drum Racking

Safe storage for hazardous liquids.



The storage system



- Kit contents**
- Starter bay:**
- 2 Frames
 - 2 Pairs of beams
 - 4 Drum holders
 - 1 Spillage sump tray
 - 1 Oil can tray
- Add-on bay**
- 1 Frame
 - 2 Pairs of beams
 - 4 Drum holders
 - 1 Spillage sump tray
 - 1 Oil can tray

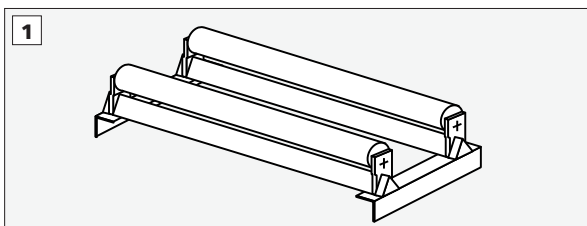
Standard Drum Racks. These are based on META-MINI-RACK® components. A straightforward solution to the storage of drums for oil and other liquids.

- Knock-down frames and two pairs of beams give storage for 4 standard 200 litres (45 gallons) drums.
- The levels can be adjusted in height at 50 mm centres.

Drum Racks

As illustrated for 4 drums of 200 litres (45 gallons), Galvanised finish including spillage trays and accessories as listed above.

Bay height mm	Bay Type	Spillage capacity litres/gallons	Overall size width x depth mm	with Standard quality Spillage Tray 1100 x 250 x 1300 mm	with Certified TÜV quality Spillage Tray 1100 x 270 x 1300 mm
				Ref.	Ref.
2200	Starter bay	215/47	1502 x 800	68531	68534
2200	Add-on bay	215/47	1451 x 800	68533	68535



1 Roller Drum Holders

Assist the easy rotation of stored drums. Holders finish in RAL 7035 light grey and rollers are plated.

Ref.
68401

Extra Oil can holders

Folding, hook onto beams and hold small containers being supplied from drums containing small drip spillages. Galvanised.

Ref.
68528

Extra Drum Holders

Galvanised – only for 800 mm deep frames.

Ref.
42613