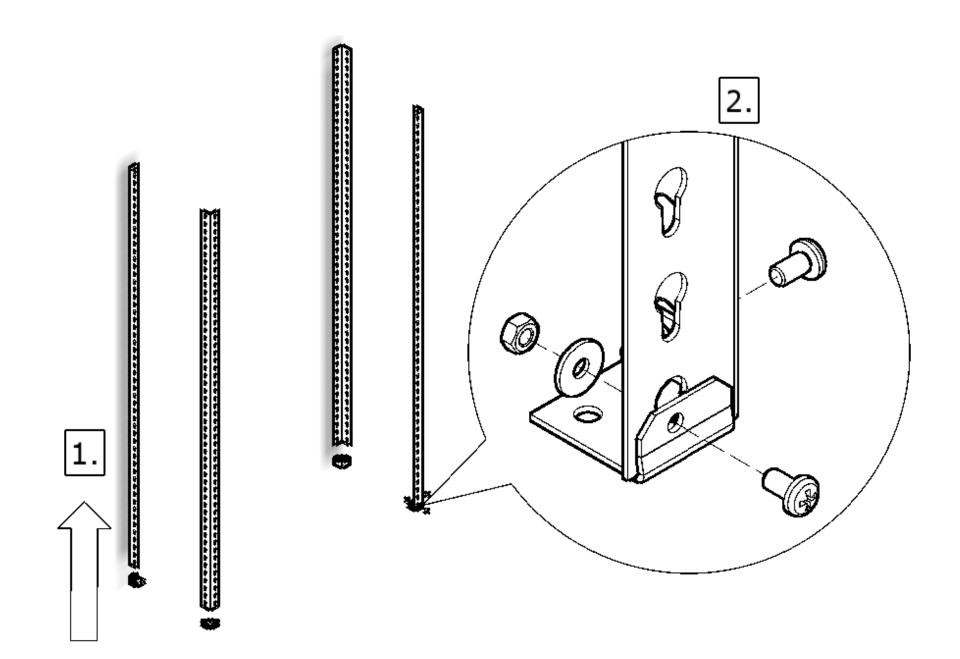
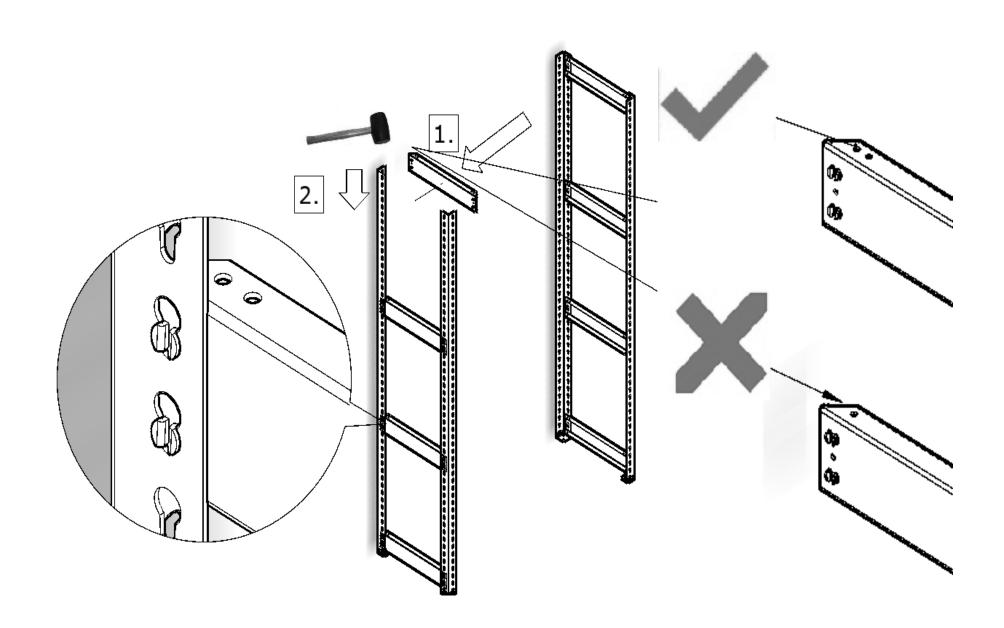
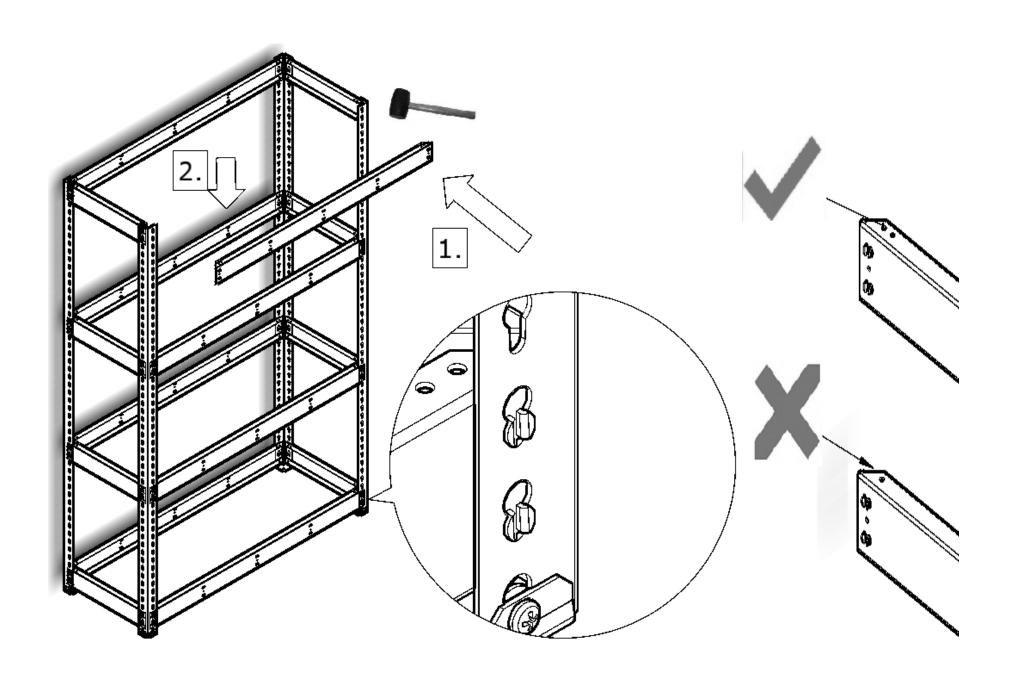
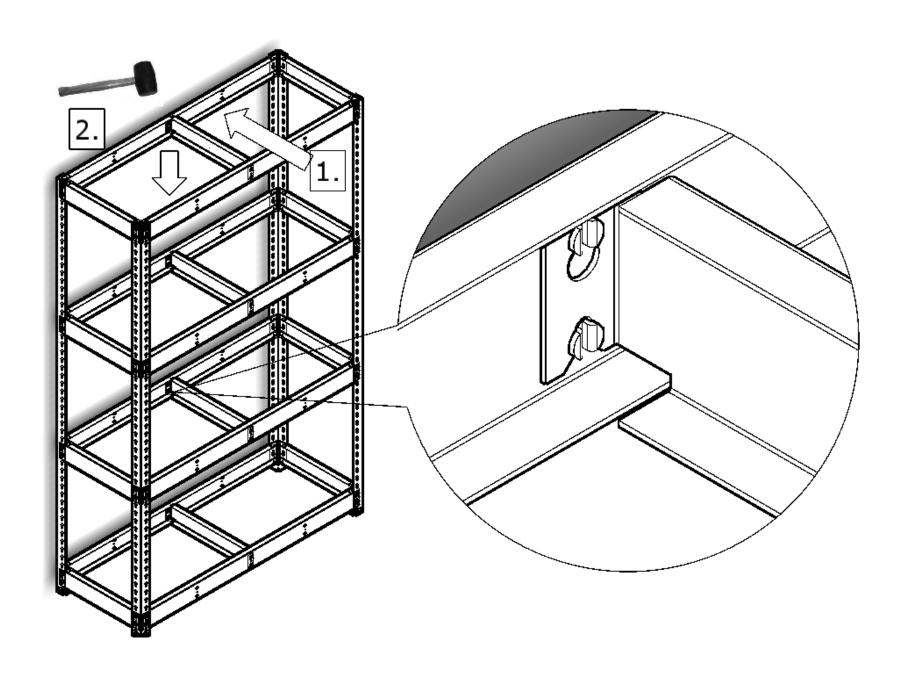
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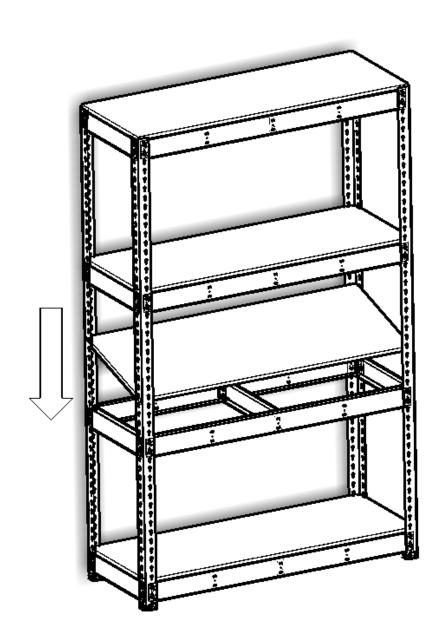
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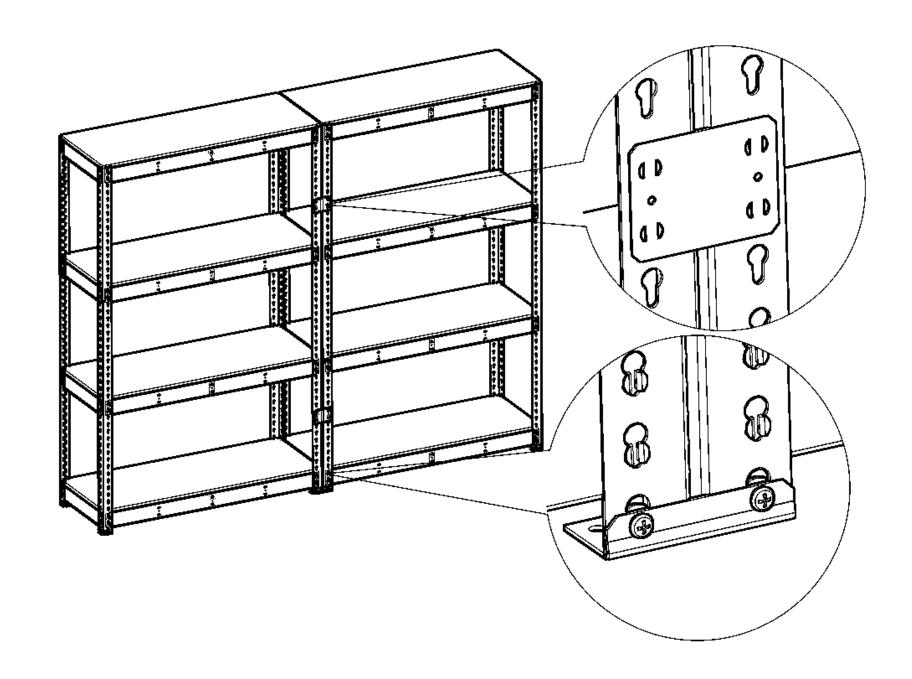












TECH	INICAL TERMS (User's Manual)
NOTE: E	Before installing the rack, please read the Technical Terms and the Assembly Instructions carefully and follow the manufacturer's instructions.
safety.	This User's Manual is designed to facilitate an easy installation and to provide information on the existing risks as well as their avoidance. The instructions contained herein are for your own
	The Assembly Instructions and the User's Manual shall be observed:
	- during assembly
	- during the regular checks (along with the schedule of those regular checks) and
	- the measures of the item "Regular checks" are necessary for ensuring technical safety.

The Assembly Instructions and the User's Manual comply with the European Standard EN SS-15635:2008 "Steel static storage systems. Application and maintenance of storage equipment".

Product: R110 Storage rack with shelves for medium loads

The storage rack is available in five different widths and heights and six depths (see Technical specifications).

The crossbeam can be attached over the entire post-height in incremental steps of 38 mm.

The rack itself is made of steel-plates (powder coated with food-safe paint). The shelves consist of chipboard panels.

Use: The rack is simple, robust and stable, designed mainly for trading companies and warehouses.

The assembly is easy as well, with no need for further connecting elements. The combined assembling of individual sections enables various different rack-configurations.

Technical specifications:

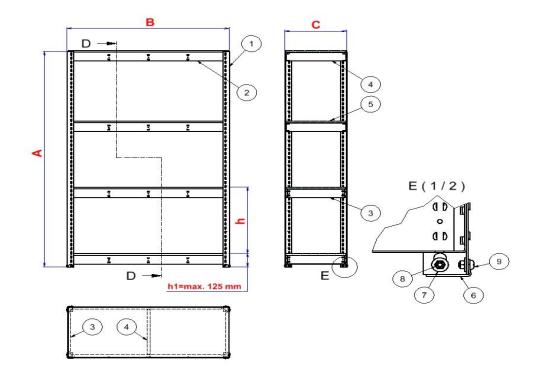
Rack height (A): 595 / 912 / 1520 / 1976 / 2432 / 3040 mm

Rack width **(B)**: 1230 / 1535 / 1840 / 2145 / 2450 mm

Rack depth **(C)**: 315 / 470 / 620 / 775 / 925 / 1200 mm

Assembly:

Assemble the rack according to the Assembly Instructions and before loading it, check the rack's vertical and horizontal alignment using a water-level. If necessary, adjust the rack using metal shims. It is of utmost importance to always observe the max. height of the first crossbeam above the floor (h1). The rack shall be loaded evenly from the top to the bottom. When the height-to-depth ratio (depth = C) reaches 1:5, it is necessary to anchor the rack in the wall or to join multiple racks to each other (if placed back-to-back to each other). When fitting the rack-rows next to each other (side-by-side), their stability may be improved by using additional connecting elements.



- 1 Post; 2 Crossbeam (front); 3 Lateral beam; 4 Connecting piece; 5 Chipboard; 6 Base;
- **7** Washer D6x18.8; **8** Nut M6; **9** Screw M6x12

Loading capacity: The permissible load of the individual spans and sections is dependant on the actual distance between the crossbeams.

Rack height			912 mm			1520 mm			
Number of spans	Height betw		Max. load	ing capacity (kg)			ding capacity (kg)		
	(mm)		Span	Section		Span	Section		
2	798		860	1720	-		-	-	
3	418	860		2580	722		860	2580	
4	-		-	-	456 494	2	800	3200	
5	-		-	-	342	3	700	3750	
Rack height			1976 mm			2432 mm			
Number of spans	Height betw		Max. load	ing capacity (kg)	Height between the	shelves	Max. loading capacity (kg)		
орино	(mm)		Span	Section	,		Span	Section	
3	912 950		815	2445	1178 1140		725	2175	
4	608	2	800	3200	760	2	700	2800	

Rack height			3040 mm			•	1	
	-				304	2		
8	-		-	-	342	5	500	4000
	-				418			
7	-		-	-	380	5	550	3850
	342				494			
6	380	4	650	3900	456	4	600	3600
	494				608			
5	456	3	700	3500	570	3	650	3250
	646				798			

Rack height			3040 mm		
Number of	Height between the shelves h		Max. loading capacity (kg)		
spans	(mm)		Span	Section	
4	988	2	625	2500	
	950				
5	722	3	600	3000	
	760				
6	570	3	550	3300	
	608	2			
7	494	5	525	3675	
	456				

8	418	7	500	4000
	380	5		
9			450	4050
	342	3		

Permissible load of the individual crossbeams

Crossbeam length (mm)	1230	1535	1840	2145	2450
Max. load (kg)	860	800	740	620	500

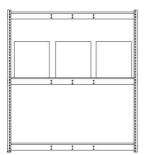
Ways of loading/storage

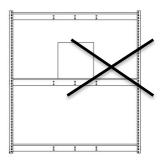
Acceptable distribution of permissible

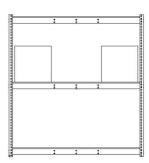
load on individual spans

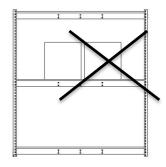
Unacceptable distribution of permissible

load on individual spans









The acceptable load shall always be distributed evenly!

Never apply the load in pulses or in a concentrated way and never exceed the acceptable load specified by the manufacturer!

Forbidden handling:

- Handling jeopardising the safety of persons and property
- Handling bearing the risk of shocks/impacts (e.g. caused by a forklift)
- Disregard of the load bearing capacities and the load-placement recommended by the manufacturer
- Using racks of deteriorated technical condition e.g. caused by impact etc.
- Using devices of insufficient technical condition
- Using other than prescribed crossbeams and devices
- Stepping on fully/partially loaded Racks.

Regular checks:

The racks shall be checked continuously and at least once a year. This check should include the search for any deterioration of the post, crossbeam and the lock-in points or any other kind of damage jeopardising the strength (rigidity) and the resulting functionality and safety of the rack. The user is responsible for ensuring the necessary checks as well as their documentation.

Floor:	
	The racks are to be installed on a level, flat and firm floor. The floor's load bearing capacity shall match at least the pressure exerted by the product with the highest load.
Packagin	g:
	The racks are shipped disassembled (as a kit), with each component wrapped separately.
	The shipment includes also the Technical Terms + the manufacturing plate and Assembly Instructions.
Transpor	t:
	The products shall be transported using a covered (roofed) means of transport. The individual components shall be properly secured against movement to prevent their damaging during transport.
Storage:	
	The rack shall be stored in dry and roofed facilities, secured against spontaneous movement and mechanical damage.
Warranty	r:
	In accordance with the applicable Commercial Code.

Marking:

Any installation shall be marked using a "load-plate". This load-plate shall be completed following the installation and stuck visibly on the rack.

META L ^{design®}	
metal design slovakia a.s., Dlhé lúky 2, Hr	nčiarovce/Parnou
R110 Storage rack with shelves	
Section width:	Acceptable load per span:
Number of spans per section:	Acceptable load per section:
Year of installation:	
Checked (date):	

The load shall be distributed evenly!

The rack shall not be loaded in pulses (impacts) and a way concentrating the load!

Always follow the instructions of the Technical Terms and of the Assembly Instructions!

