

**EXTENSIBLE SHELF
RACKING SYSTEM
FOR HEAVY GOODS,
IDEAL DESIGN FOR
PICKING STORED
GOODS WITH AN
OVERHEAD CRANE**





Courtesy of Vimar S.p.A.

SYSTEM AR

TECHNICAL SPECIFICATIONS

The F AR shelving system, thanks to its extensible shelves, is especially suitable for storing very heavy material (moulds, engines etc.), which can be handled in complete safety by using an overhead crane and a lift truck. The shelves can have plain or telescopic extension, and a capacity ranging between 800 and 1000 kg.

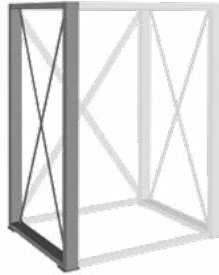
Courtesy of Meccanostampi S.r.l



SHELVING SIDES

Made of sectional steel, they have slots to a 50 mm pitch on both sides.

The two uprights are connected to each other by two horizontal cross bars and a cross piece, forming a sturdy side wall. The sides are equipped with steel plates for floor fixing.



SLIDING DOORS

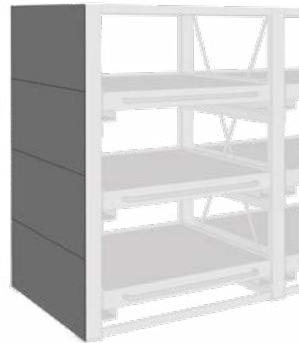
They are made of sheet steel specially shaped to improve solidity.

Doors are used to protect the shelved goods from impacts and dust. Each pair of sliding doors covers two shelving span lengths and has a cylinder lock with two keys.



SIDE AND REAR WALL PANELS

The side and rear walls are fixed with screws to the structure and, when used together, can form enclosed compartments. In addition, the rear walls do not require the fitting of any cross pieces.





SINGLE OPENING DEVICE FOR EXTENSIBLE SHELVES

For safety purposes, each extensible shelf must be opened individually. The device consists of a rod to be installed on the side wall (one for each span) with a hook to be applied to each extensible shelf. Opening only one shelf at a time avoids dangerous shifting of unsecured heavy loads, which might overturn the structure.



EXTENSIBLE SHELF LOCKING HOOK

A hook located on the front of the side walls allows the shelf to be locked in the opening and closing phases. In the opening phase, locking the shelf allows any material to be taken in complete safety.



plain shelf locking hook

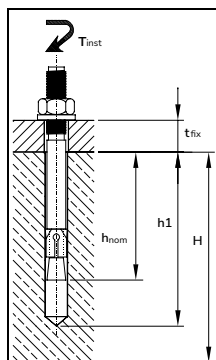


telescopic shelf locking hook

FLOOR SUPPORT PLATE

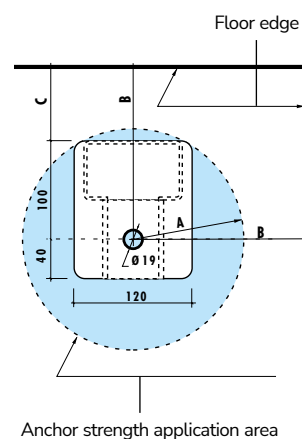
The support plate is designed to distribute the pressure applied on the floor by the side wall. A technical data sheet supplied by FAMI is useful to check the suitability of the floor intended for racking system installation.

The support plate is provided with a hole for plate anchoring to the floor by means of standard anchor bolts. This operation is necessary to ensure shelf safety.



*The floor on which the racking system rests must be checked in terms of suitability for withstanding the pressure and the puncturing (drilling) stress applied by the shelving system itself and the pulling strength exerted by the anchor.

**The area must not be submitted to any other force.



recommended anchor strength	11,65 Kn
anchor diameter	Ø16 mm
concrete hole diameter	Ø16 mm
minimum hole depth	h_1 115 mm
minimum installation depth	h_{nom} 95 mm
max adjustable thickness	t_{fix} 25 mm
max tightening torque	T_{inst} 125 Nm
min floor thickness for anchor plug fixing*	H: 160 mm
min anchor distance from the edge of the floor	B: 175 mm
anchor strength application area**	A: 112,5 mm
min upright distance from the edge of the floor	C: 75 mm

COMBINATION OF SERIES COLOURS



grey RAL 7000



green RAL 6011



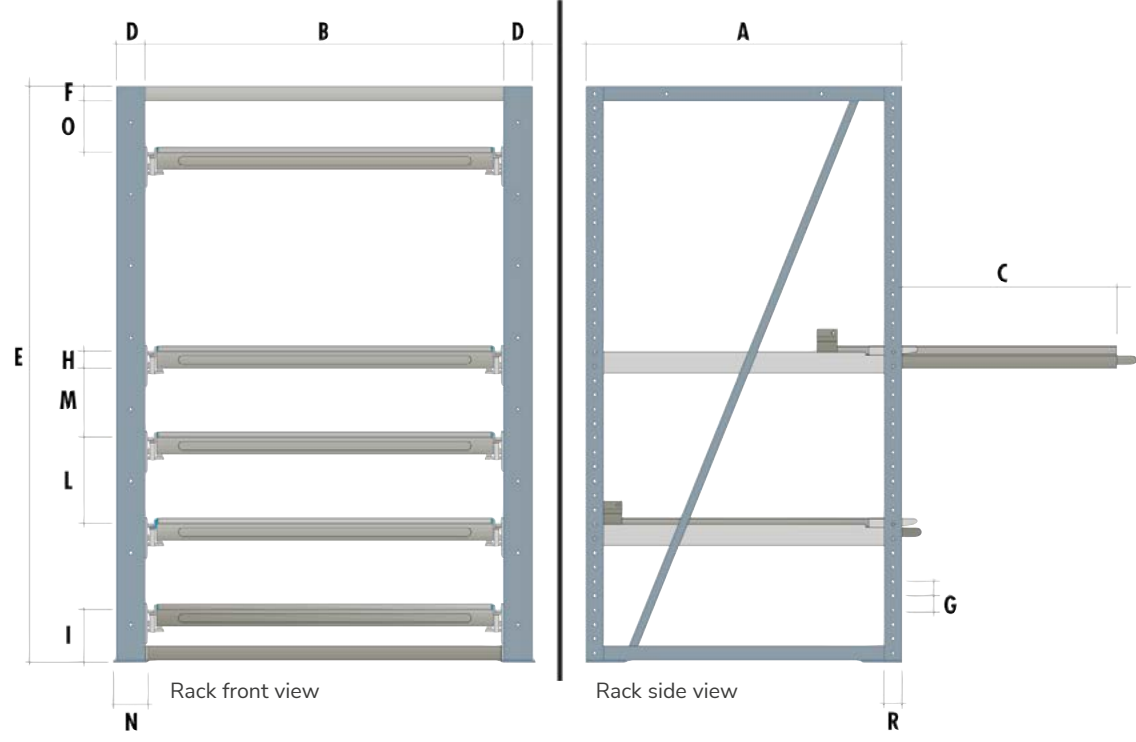
blue RAL 5012



5000	Capacity each span
1000	Telescopic extension shelf capacity
800	Plain extension shelf capacity
300	Strengthening shelf capacity for depth 900 mm
250	Strengthening shelf capacity for depth 1100 mm
200	Strengthening shelf capacity for depth 1300 mm

SYSTEM F AR

PLAIN EXTENSION SHELVES

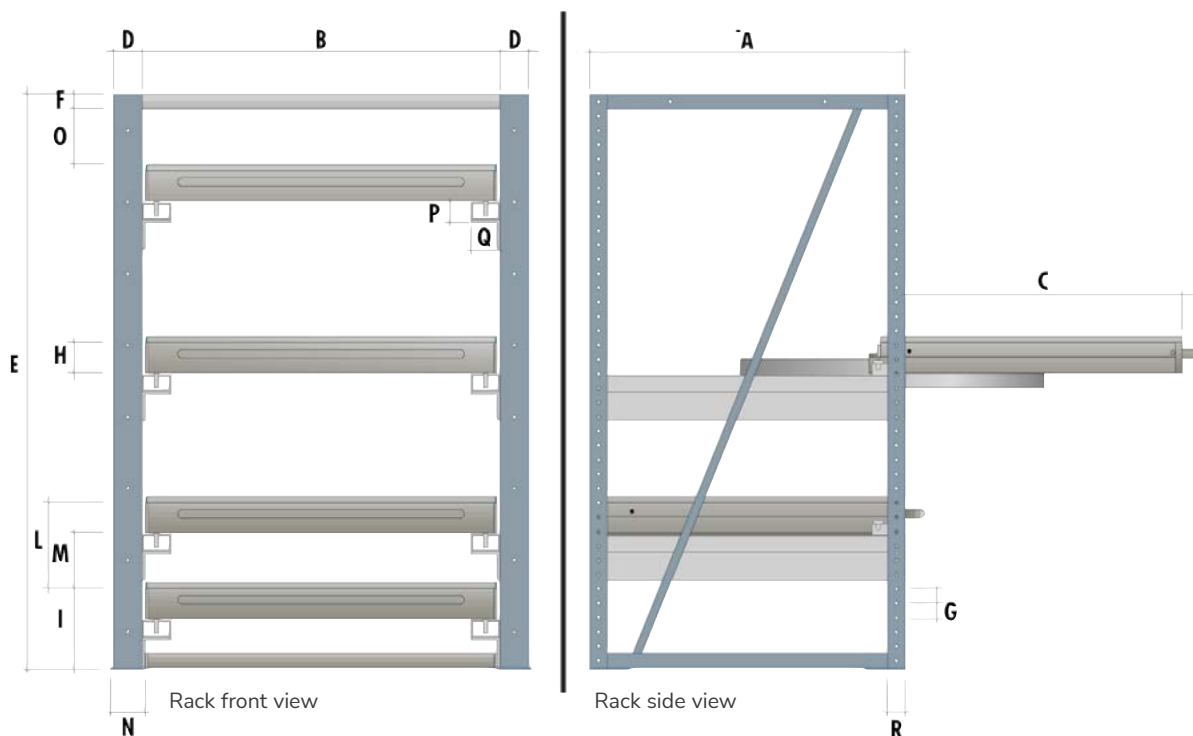


		mm
A	RACK DEPTH	900, 1100, 1300
B	WORKING SPAN LENGTH	1250
C	EXTENSIBILITY	600, 750, 900
D	SIDE WIDTH	100
E	RACK HEIGHT	1510, 2010, 2210, 2510, 3010
F	TOP SHELF	50
G	ADJUSTABLE PITCH	50
H	EXTENSIBLE SHELVES	58
I	MINIMUM HEIGHT FROM FLOOR	185
L	MINIMUM DISTANCE BETWEEN SHELVES	300
M	MINIMUM SPAN BETWEEN SHELVES	225
N	PLATE FOR SIDE PANEL	120
O	MINIMUM DISTANCE FROM UPPER SHELF	175
R	FOOTPRINT	60
	UPRIGHT SHEET METAL THICKNESS	3

Courtesy of Vimar S.p.A.



TELESCOPIC EXTENSION SHELVES



		mm
A	RACK DEPTH	900, 1100, 1300
B	WORKING SPAN LENGTH	850,1050,1250
C	EXTENSIBILITY	770, 970, 1170
D	SIDE WIDTH	100
E	RACK HEIGHT	1510, 2010, 2210, 2510, 3010
F	TOP SHELF	50
G	ADJUSTABLE PITCH	50
H	EXTENSIBLE SHELVES	107
I	MINIMUM HEIGHT FROM FLOOR	285
L	MINIMUM DISTANCE BETWEEN SHELVES	300
M	MINIMUM SPAN BETWEEN SHELVES	190
N	PLATE FOR SIDE PANEL	120
O	MINIMUM DISTANCE FROM UPPER SHELF	50
P	SLIDE HEIGHT	80
Q	SLIDE WIDTH	100
R	FOOTPRINT	60
	UPRIGHT SHEET METAL THICKNESS	3

Courtesy of Vimar S.p.A.

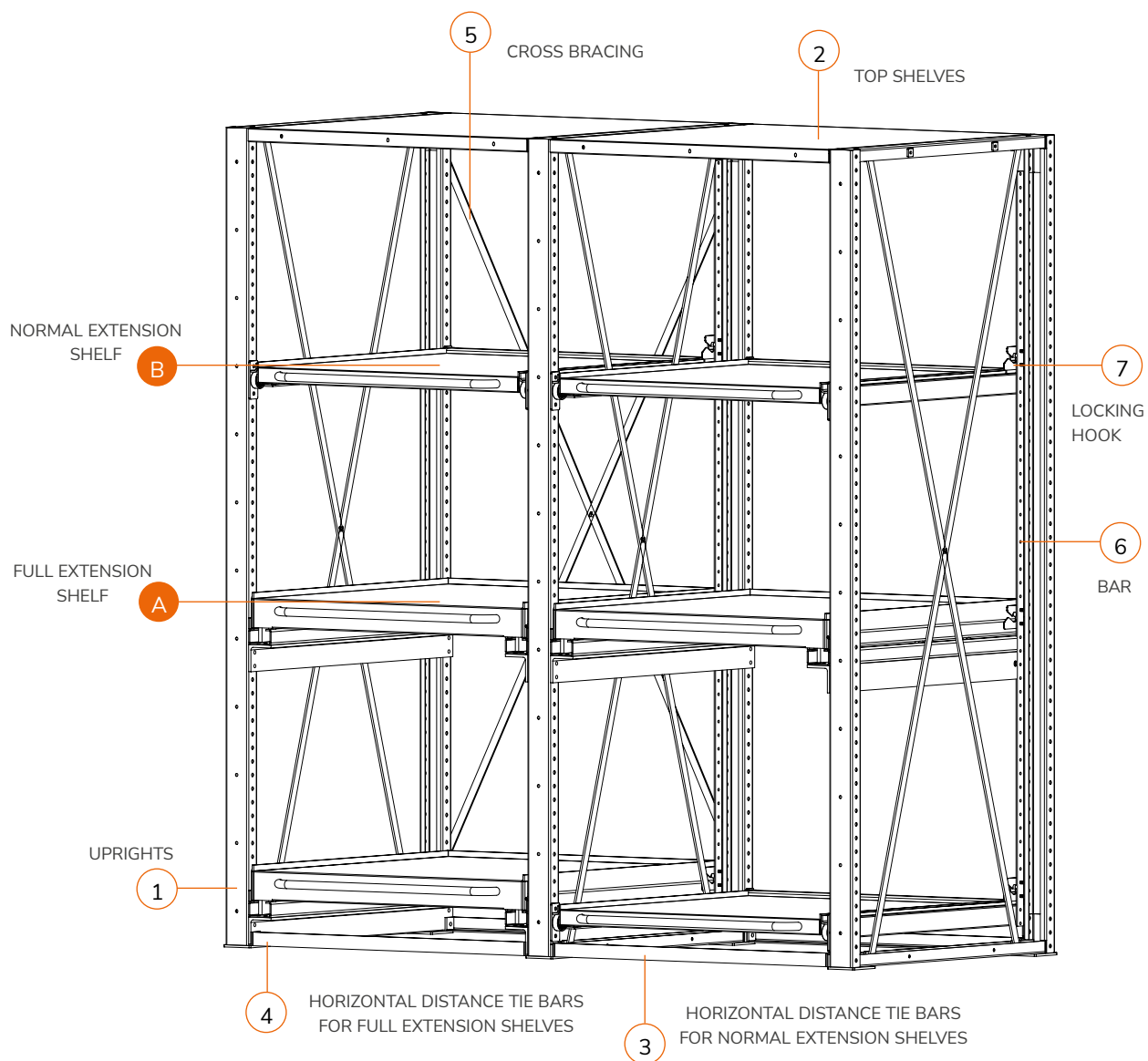


SYSTEM F AR

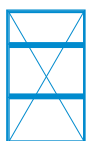




SYSTEM F AR



METAL
COLOURS



RAL 5012
.04



RAL 7000
.01



RAL 6011
.02



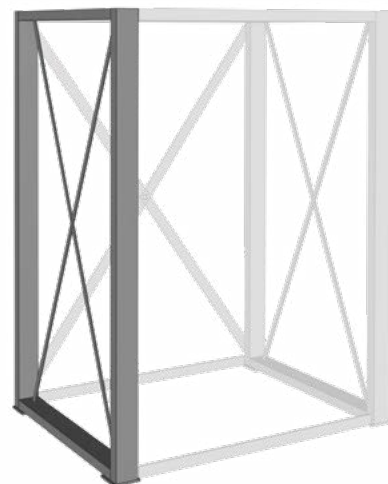
ALL INDICATED LOAD CAPACITY VALUES ARE NET AND REFER TO EVENLY DISTRIBUTED WEIGHTS

UPRIGHTS

1	ART.		H uprights mm	depth mm	
	FAR205000	--	1510		
	FAR206000	--	2010		
	FAR207000	--	2210	900	
	FAR208000	--	2510		
	FAR209000	--	3010		
	FAR210000	--	1510		
	FAR211000	--	2010		
	FAR212000	--	2210	1100	
	FAR213000	--	2510		
	FAR214000	--	3010		
	FAR215000	--	1510		
	FAR216000	--	2010		
	FAR217000	--	2210	1300	
	FAR218000	--	2510		
	FAR219000	--	3010		

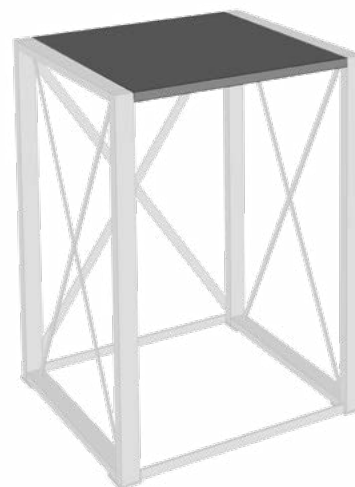
Sides are supplied disassembled

Fixing material consisting of 2 expansion plugs in M16x140 steel supplied as standard.



TOP SHELVES

2	ART.		kg	dim. mm	
	FAR402000	--	300	850x900x50 H	
	FAR403000	--	250	850x1100x50 H	
	FAR404000	--	200	850x1300x50 H	
	FAR412000	--	300	1050x900x50 H	
	FAR413000	--	250	1050x1100x50 H	
	FAR414000	--	200	1050x1300x50 H	
	FAR422000	--	300	1250x900x50 H	
	FAR423000	--	250	1250x1100x50 H	
	FAR424000	--	200	1250x1300x50 H	



HORIZONTAL DISTANCE TIE BARS FOR NORMAL EXTENSION SHELVES

3	ART.		working span mm	
	FAR104000	--	1250	

2 bars are required for each span



HORIZONTAL DISTANCE TIE BARS FOR FULL EXTENSION SHELVES

4	ART.		working span mm	
	FAR101000	--	850	
	FAR102000	--	1050	
	FAR103000	--	1250	

2 bars are required for each span



SYSTEM F AR

CROSS BRACING

5

ART.	H uprights mm	working span mm	
FAR185000 _ _	1510	850	
FAR186000 _ _	2010		
FAR187000 _ _	2210		
FAR188000 _ _	2510		
FAR189000 _ _	3010		
FAR190000 _ _	1510	1050	
FAR191000 _ _	2010		
FAR192000 _ _	2210		
FAR193000 _ _	2510		
FAR194000 _ _	3010		
FAR195000 _ _	1510	1250	
FAR196000 _ _	2010		
FAR197000 _ _	2210		
FAR198000 _ _	2510		
FAR199000 _ _	3010		



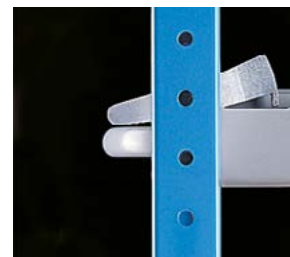
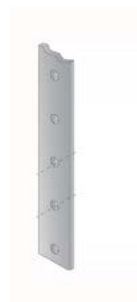
It is required to use one span with cross bracing every at least 2 span lengths



BAR

6

ART.	H uprights mm	
FAR110000 _ _	1510	
FAR111000 _ _	2010	
FAR112000 _ _	2210	
FAR113000 _ _	2510	
FAR114000 _ _	3010	



LOCKING HOOK

7

ART.	
The hook is supplied as standard equipment with the extensible shelf	



Single opening

The "AR" series shelving unit must be fitted with the single opening device for extensible shelves. This device allows one shelf at a time to be pulled out and consists of a rod of the same height as the side wall and locking hooks, which must be screwed into the rod to match the extensible shelves. One rod for each span and one hook for each extensible shelf are required (the hook is supplied as standard with the extensible shelf.)

METAL
COLOURS



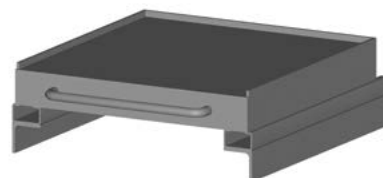
RAL 7000
.01



RAL 6011
.02



RAL 5012
.04



A

FULL EXTENSION SHELVES WITH 3 EDGES

SPAN WIDTH 850 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm
FAR740000		850	900	805	845	770
FAR741000		850	1100	805	1045	970
FAR742000		850	1300	805	1245	1170

SPAN WIDTH 1050 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm
FAR750000		1050	900	1005	845	770
FAR751000		1050	1100	1005	1045	970
FAR752000		1050	1300	1005	1245	1170

SPAN WIDTH 1250 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm
FAR760000		1250	900	1205	845	770
FAR761000		1250	1100	1205	1045	970
FAR762000		1250	1300	1205	1245	1170



CAPACITY 1000 kg

All load capacity values are net and refer to evenly distributed weights



The extension shelves are supplied with a capacity sticker.



SPAN
WIDTH

SYSTEM F AR

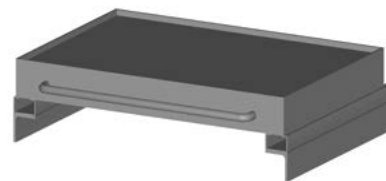
METAL
COLOURS



RAL 7000
.01

RAL 6011
.02

RAL 5012
.04



A

FULL EXTENSION SHELVES WITH 4 EDGES

SPAN WIDTH 850 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm	
FAR745000		850	900	805	845	770	
FAR746000		850	1100	805	1045	970	
FAR747000		850	1300	805	1245	1170	

SPAN WIDTH 1050 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm	
FAR755000		1050	900	1005	845	770	
FAR756000		1050	1100	1005	1045	970	
FAR757000		1050	1300	1005	1245	1170	

SPAN WIDTH 1250 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm	
FAR765000		1250	900	1205	845	770	
FAR766000		1250	1100	1205	1045	970	
FAR767000		1250	1300	1205	1245	1170	

SPAN
WIDTH



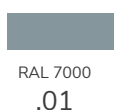
CAPACITY 1000 kg

All load capacity values are net and refer to evenly distributed weights

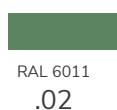


The extension shelves are supplied with a capacity sticker.

METAL COLOURS



RAL 7000
.01



RAL 6011
.02



RAL 5012
.04



A

FULL EXTENSION SHELVES WITH 4 EDGES AND MULTIPLEX COVERING

SPAN WIDTH 850 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm	
FAR745001		850	900	805	845	770	
FAR746001		850	1100	805	1045	970	
FAR747001		850	1300	805	1245	1170	

SPAN WIDTH 1050 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm	
FAR755001		1050	900	1005	845	770	
FAR756001		1050	1100	1005	1045	970	
FAR757001		1050	1300	1005	1245	1170	

SPAN WIDTH 1250 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm	
FAR765001		1250	900	1205	845	770	
FAR766001		1250	1100	1205	1045	970	
FAR767001		1250	1300	1205	1245	1170	



CAPACITY 1000 kg

All load capacity values are net and refer to evenly distributed weights



The extension shelves are supplied with a capacity sticker.



SPAN
WIDTH

SYSTEM F AR

METAL
COLOURS



RAL 7000
.01

RAL 6011
.02

RAL 5012
.04



B NORMAL EXTENSION SHELVES WITH 3 EDGES

SPAN WIDTH 1250 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm	
FAR660000	__	1250	900	1160	800	600	
FAR661000	__	1250	1100	1160	1000	750	
FAR662000	__	1250	1300	1160	1200	900	

B NORMAL EXTENSION SHELVES WITH 4 EDGES

SPAN WIDTH 1250 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm	
FAR665000	__	1250	900	1160	800	600	
FAR666000	__	1250	1100	1160	1000	750	
FAR667000	__	1250	1300	1160	1200	900	



B NORMAL EXTENSION SHELVES WITH 4 EDGES AND MULTIPLEX COVERING

SPAN WIDTH 1250 mm

ART.		Working span mm	Shelf depth mm	Usable width mm	Usable depth mm	Extension mm	
FAR665001	__	1250	900	1160	800	600	
FAR666001	__	1250	1100	1160	1000	750	
FAR667001	__	1250	1300	1160	1200	900	

SPAN
WIDTH



CAPACITY 800 kg

All load capacity values are net and refer to evenly distributed weights



The extension shelves are supplied with a capacity sticker.



SYSTEM F AR

METAL
COLOURS 



RAL 7000
.01



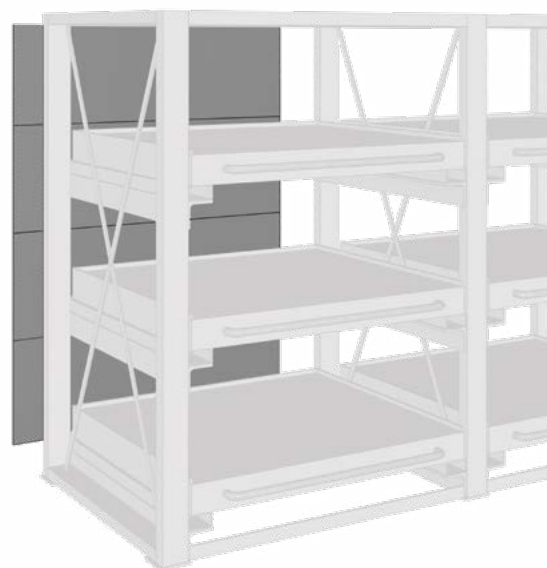
RAL 6011
.02



RAL 5012
.04

REAR WALLS

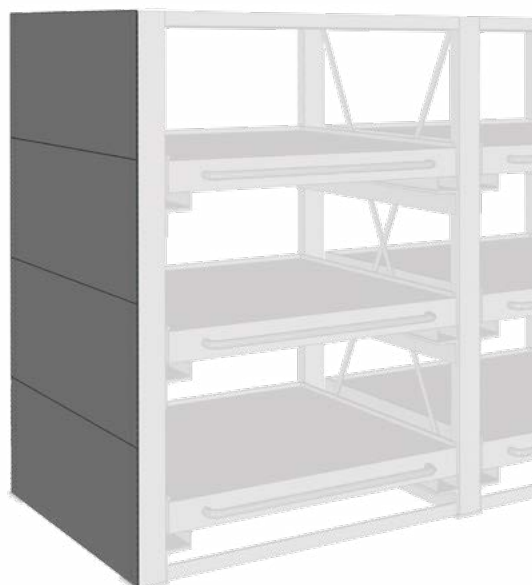
ART.		H shelf mm	Rear wall with plates no.	Span width mm	
FAR145000		1510	3	850	
FAR146000		2010	4		
FAR147000		2210	4		
FAR148000		2510	5		
FAR149000		3010	6		
FAR150000		1510	3	1050	
FAR151000		2010	4		
FAR152000		2210	4		
FAR153000		2510	5		
FAR154000		3010	6		
FAR155000		1510	3	1250	
FAR156000		2010	4		
FAR157000		2210	4		
FAR158000		2510	5		
FAR159000		3010	6		



A back panel must be fitted to each 2 bays

SIDE WALLS

ART.		H shelf mm	Back panel with plates no.	Span width mm	
FAR125000		1510	3	900	
FAR126000		2010	4		
FAR127000		2210	4		
FAR128000		2510	5		
FAR129000		3010	6		
FAR130000		1510	3	1100	
FAR131000		2010	4		
FAR132000		2210	4		
FAR133000		2510	5		
FAR134000		3010	6		
FAR135000		1510	3	1300	
FAR136000		2010	4		
FAR137000		2210	4		
FAR138000		2510	5		
FAR139000		3010	6		



PAIR OF SLIDING DOORS

ART.		H shelf mm	Shelf thickness mm	Span width mm	Shelving width mm	
FAR500000 _ _		1510	165			
FAR505000 _ _		2010	165			
FAR510000 _ _		2210	165	850	1900	
FAR515000 _ _		2510	165			
FAR520000 _ _		3010	165			
FAR525000 _ _		1510	165			
FAR530000 _ _		2010	165			
FAR535000 _ _		2210	165	1050	2300	
FAR540000 _ _		2510	165			
FAR545000 _ _		3010	165			
FAR550000 _ _		1510	165			
FAR555000 _ _		2010	165			
FAR560000 _ _		2210	165	1250	2700	
FAR565000 _ _		2510	165			
FAR570000 _ _		3010	165			



The sliding doors close 2 span bays and are supplied complete with cylinder lock and 2 keys

FIXING

FLOOR FIXING SET



ART. FAR89990099

Floor fixing kit consisting of 2 M16x140 mm steel expansion bolts for non-cracked concrete floors, class higher than or equal to: C20/25.

ALL LOAD CAPACITY VALUES ARE NET AND REFER TO EVENLY DISTRIBUTED WEIGHTS





P 4 1

P 3 1

P 2 1

N 4 1

N 3 1

N 2 1

N 1 1