

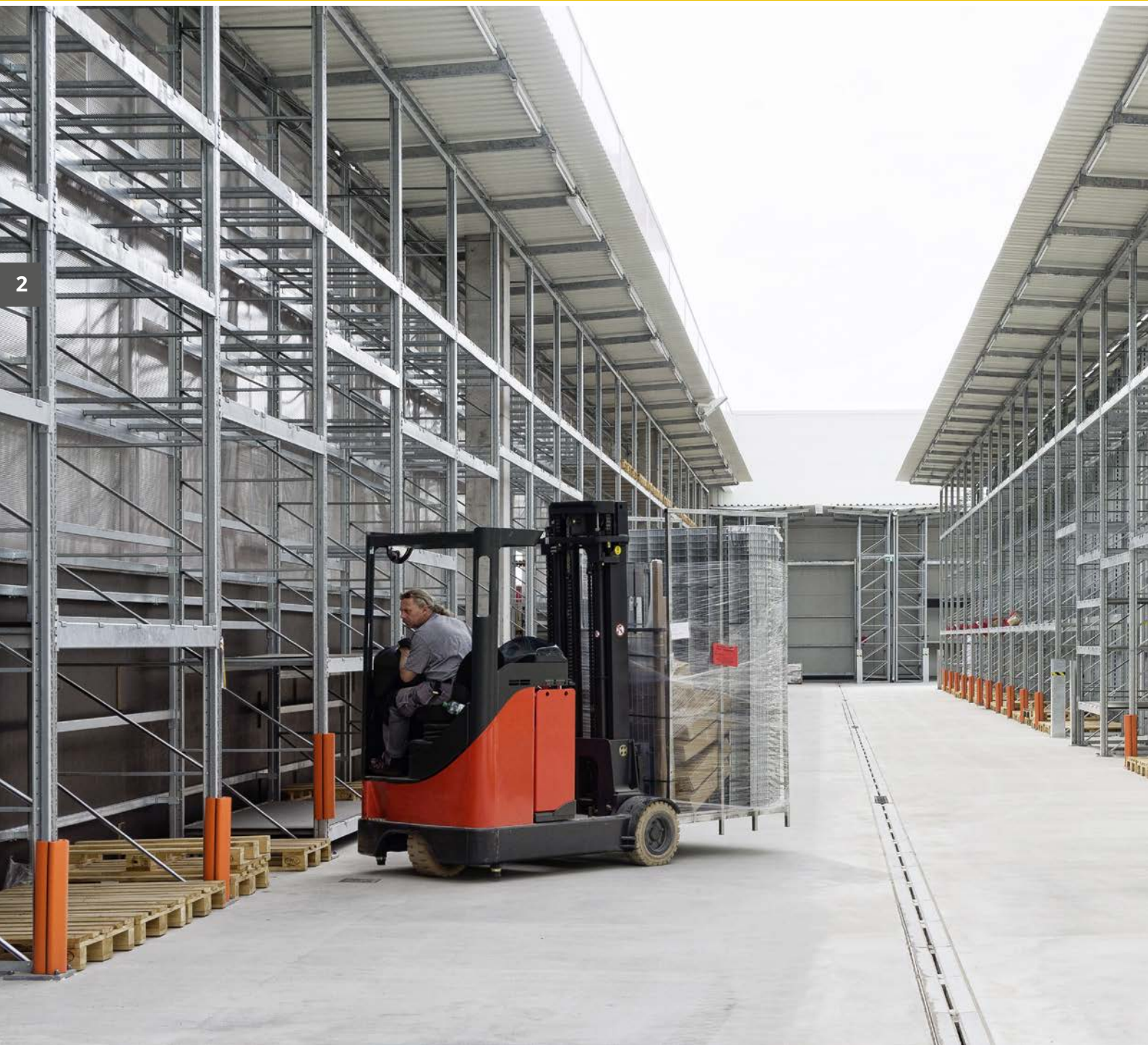
Outdoor shelving

Weather-proof shelving systems with roof coverings



SL100 HEAVY DUTY SHELF

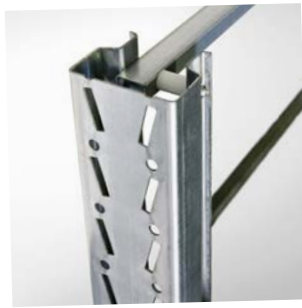
An extremely strong and flexible shelving system with shelf heights of up to 12 m can be loaded both manually and by stacker trucks – the SL100 shelving system from Brass offers everything you need for professional storage. But it doesn't stop there: Thanks to its broad range of accessories, you can customise your own presentation areas within the shelving. All this means the SL100 system has been a tried-and-tested solution in consumer markets, production and logistics operations for many years. Brass also offers everything you need for your shelving system; from planning and structural analyses through to safety precautions, training and maintenance.



The multi-folded profile system made of 3-mm thick steel forms the basis of the SL100 system

Stability is guaranteed by the struts and the diagonal holes via which the shelf loads further stabilise the shelving

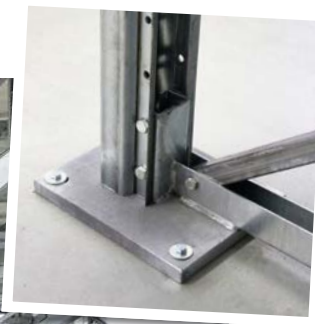
The feet are screwed to the floor



Simple handling: The cross-beams with welded-on claws are hung into the profile and fixed in place using safety pins



All components are surface treated with a weather resistant galvanization



BASIC ELEMENTS

Side parts

Together with the crossbeams, these form the basic framework for all shelving. The ex-factory horizontal and diagonal struts serve to stabilise the shelving. For additional security, the feet are anchored into the floor; wall mounting is also available if necessary.

Standard sizes

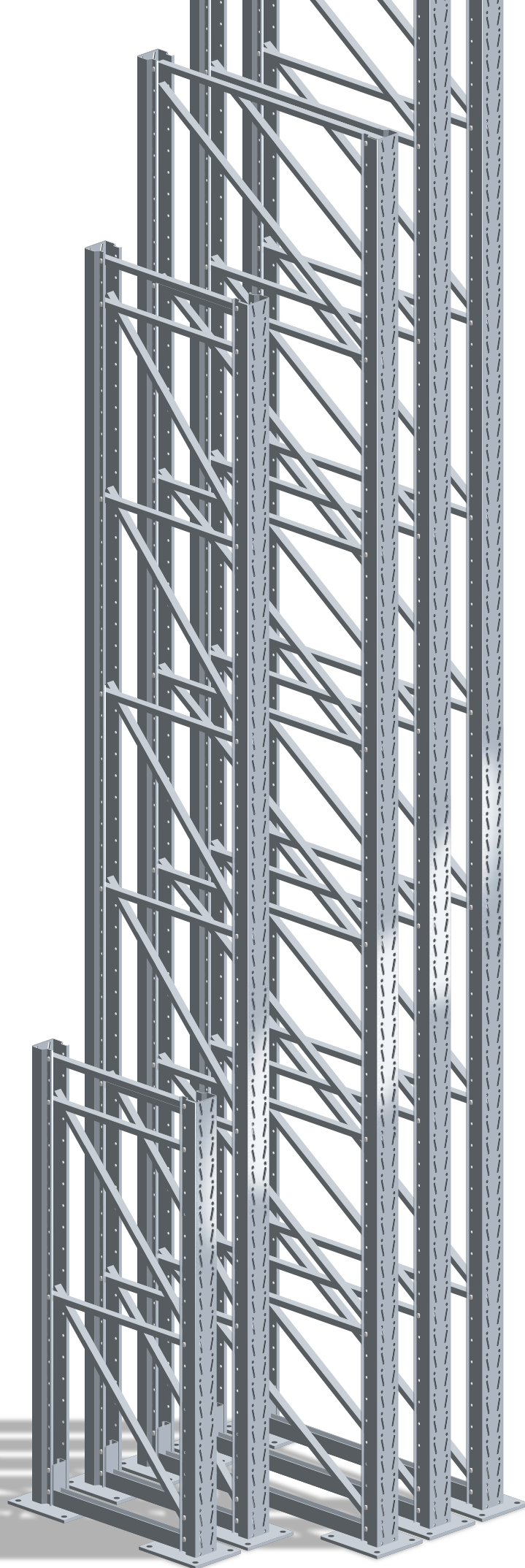
Height	Depth [mm]
4000 mm	1100
4550 mm	1100
5530 mm	1100
6020 mm	1100

Loads

The maximum bay load (sum of all shelf loads between two stands) is 9,000 kg for the SL100 shelving.

Colours

On request, your SL100 shelving system can be finished with a UV-resistant powder coating. All RAL colours are available.



Standard crossbeams

Profile	W x H [mm]	Sheet thickness	Shelf load* [kg] at L 1800 / 2700
RTS120	40 x 120	4	3,000
RT60	40 x 60	2	

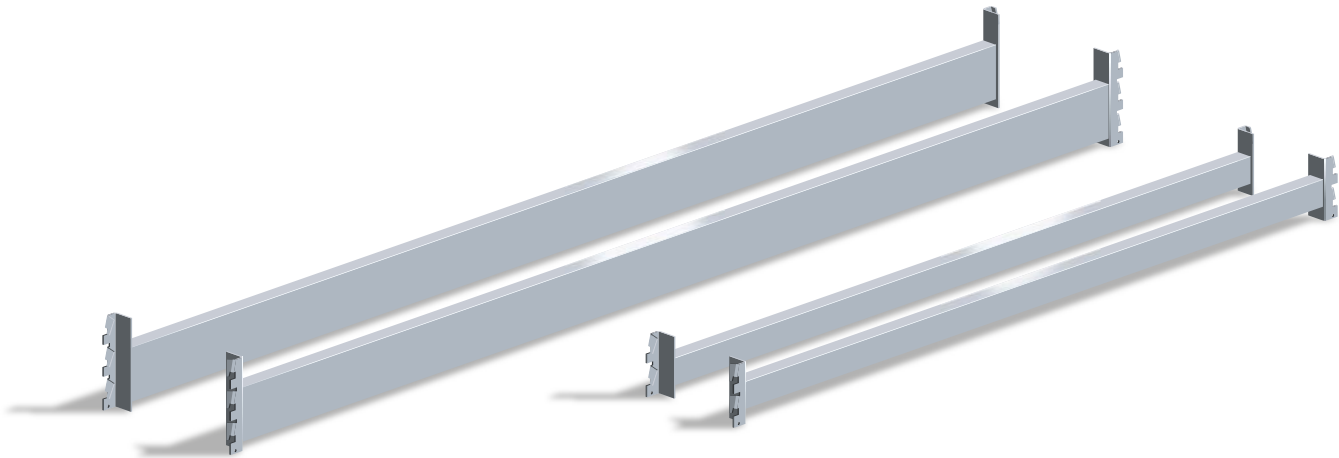
* maximum load per crossbeam pair

Standard lengths [mm]	
1800	2700

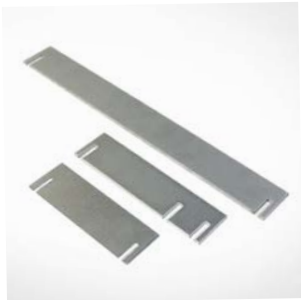
Individual lengths upon request

The reinforced RTS120 crossbeams are used as standard for outdoor shelving. For structural reasons, at least three shelving levels must use this profile. Other crossbeam types can be used in the interspace if necessary.

The RT60 crossbar provides stabilisation for the roof and must be used in this context.



Accessories



left: Shelf connectors for hooking into the shelving, for double shelves from a distance of 10 cm

Shelf connectors for fixed assembly for double shelves from a distance of 10 cm



Packing plates for SL100 outdoor shelves



Ground anchor M16, L 160 mm, stainless steel



Load stickers as per the statutory requirements

SHELF FIXTURES

Pallets and wire mesh boxes



Mobile crossbeams aid load distribution



Low angled frames provide a complete storage space, including side and depth stops and load distribution



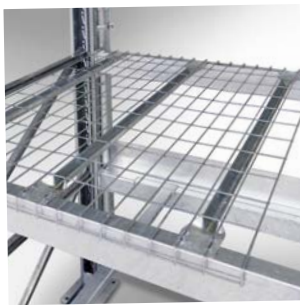
Attachable protection at the back of the shelving, with grid for positioning the crossbeams



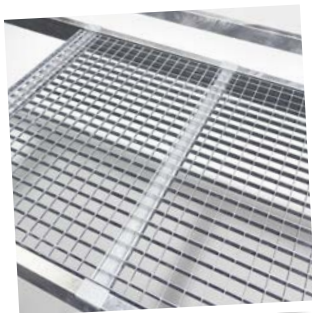
Stable protection at the back of the shelving which can be hooked in place

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Shelf elements



Wire grid shelves, ideal for pushing loads further back



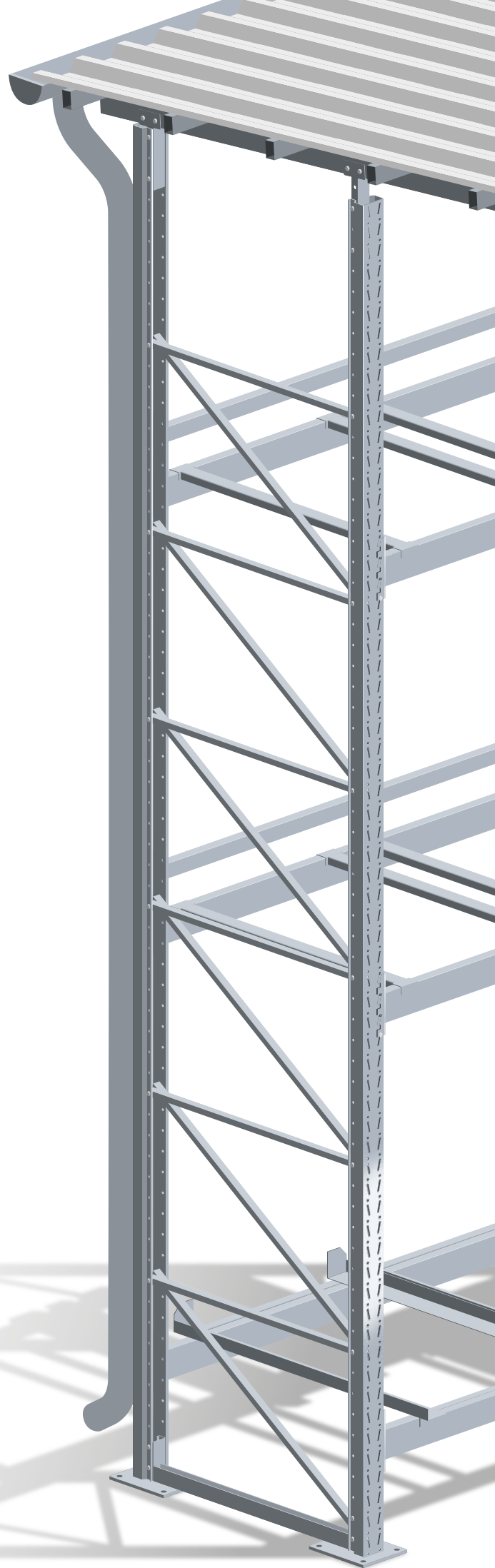
Stepped crossbeams with grid shelving



Perforated sheet metal



Z-profile rails with slanting grid racks



ROOF COVERINGS

Our tried-and-tested roofing systems protect your outdoor stock. The design is suited to withstand rain, snow and wind loads.



Connection to the shelving system; long and short holders result in the roof pitch



The roof beams feature U-holders for mounting the plate girders



Rain water runs off the back of the shelving



Shelf upright with drainpipe

SF3 CANTILEVER RACK

The SF3 shelving system is our special solution for storing long, heavy goods. It is available in versions for indoor and outdoor use. The **outdoor version** is 6 m high, galvanized and, if necessary, roof covered; the robust design with extra-strong feet allows to load it with up to 4,000 kg per stand side, which means up to 8,000 kg per stand for double-sided shelves. The stable cantilevers are secured using double wedges; optional stoppers or anti-tilt U-bolts protect stored goods from falling out. As a professional system it goes without saying that the SF3 shelving is suitable for use with stacker trucks and that it also satisfies the legal requirements. In addition, Brass offers a truly comprehensive service; from planning and assembly through to annual shelving inspections.



The SF3 shelving stands are made of high-quality 3 mm steel plate. The cantilevers can be positioned as required in the slotted profile with 76 mm grid.



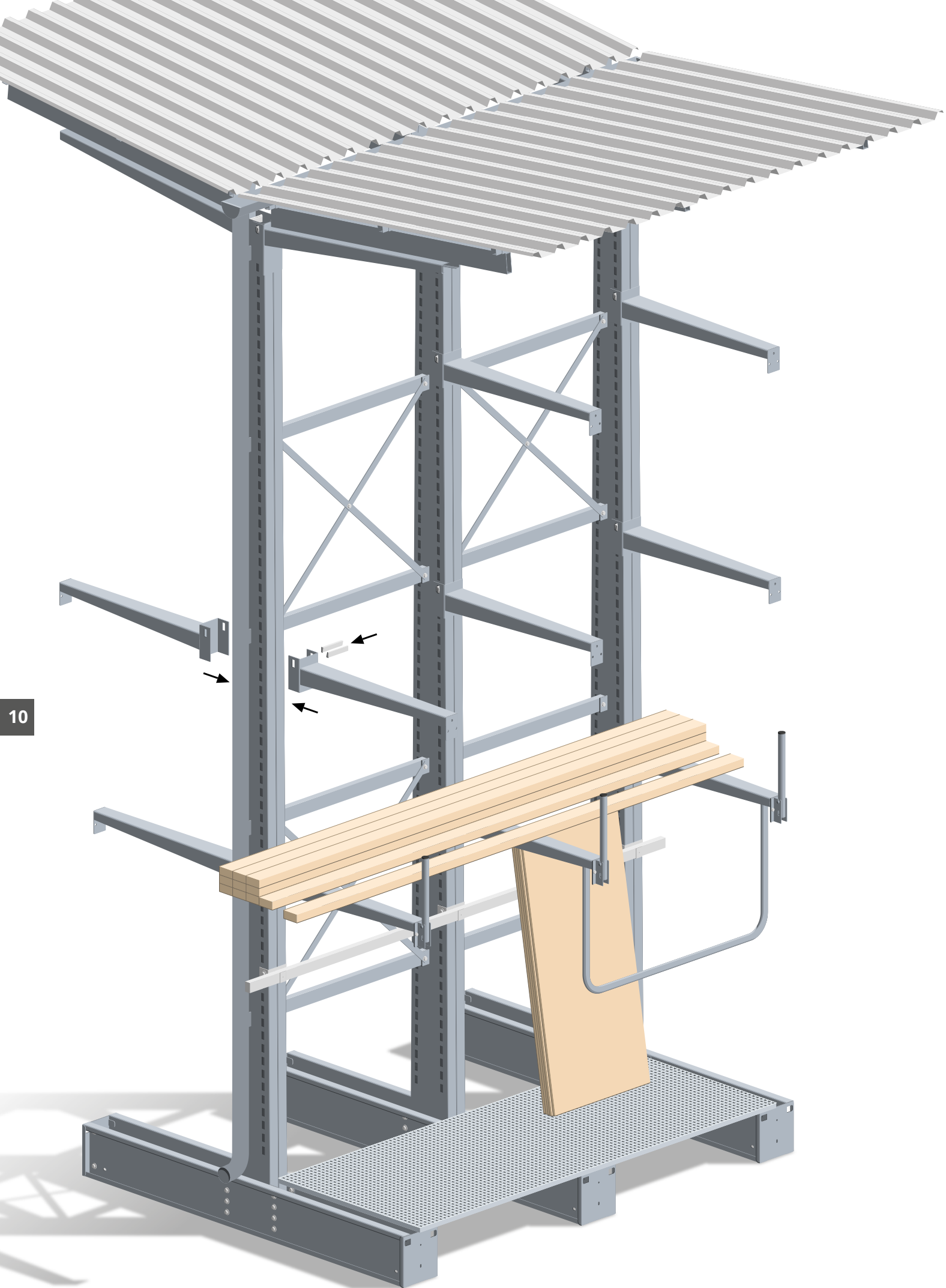
The plug-in assembly with double wedges enables the positions of the cantilevers to be changed easily at a later date



Diagonal bracing ensures lateral stability

Strong feet give the SF3 shelving its exceptional stability. They are anchored into the floor.





BASIC ELEMENTS

Stands

The SF3 shelving is available as a single- and double-sided version. The feet are supplied separately and assembled to the stands on site; they are always anchored to the floor.

Standard sizes

Height	Cantilever length	Bay width
6000 mm	1200	1500

Individual dimensions on request

Loads

The maximum permissible stand load is 4,000 kg per shelving side.

Colours

On request, your SF3 shelving system can be finished with a UV-resistant powder coating. All RAL colours are available.

Cross bracing

The stands are screwed together using prefabricated cross bracing elements and additional corner connectors. The standard spacing is 1,500 mm (individual widths on request).

Cantilevers

The cantilevers can be positioned at 76 mm intervals in the hole pattern on the stands. They are secured using double wedges.

The cantilevers come in the standard lengths of 1,200 mm (individual lengths on request).

Loads

The maximum permitted load per cantilever is 600 kg.

Accessories



Cantilever roof girders



Holders to mount crossbars



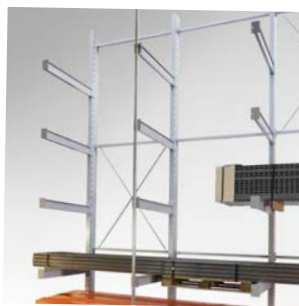
Fireproof galvanised grids with fastening



Anti-tilt U-bolts, e.g., for vertical plates



Stopper (50 cm), can be simply folded out



Stopper bar 5 m, with top and bottom brackets



Ground anchor M16, L 160 mm, stainless steel



Load stickers as per the statutory requirements

SHELVED WAREHOUSES BY BRASS

With its new shelved warehouse system, Brass offers a flexible solution for storing your goods outside. The basic element is our proven SL100 heavy-duty shelf. The standard version consists of 3 shelf bays with space for 54 pallets, which can be extended by further shelf bays (minimum size: 2 shelf bays). The roof and the surrounding panelling on all sides protect the interior and your goods from the weather. The shelves themselves can be designed according to your requirements, e.g. as pallet storage with 3 storage levels per bay. For this, Brass offers a full service, from planning and structural calculations, constructions and training, through to shelf servicing.



The SL100 heavy-duty shelf system allows high loads (2000 kg per shelf) and flexible shelf partitioning. Push-through guards for every shelf protect the warehouse sidewalls.



Transparent areas all around and the light bar in the roof allow daylight into the shelved warehouse

The first bay is equipped with cross braces for stabilisation of the shelf construction (longer warehouses: every third bay)



Drains to floor level (as standard)

The base plates are bolted into the concrete floor. Packing plates are used for height adjustments.



With a height of 4 m and a depth of 110 cm, the shelves offer plenty of storage space.
below: double gate (option)



APPLICATION EXAMPLES



SL100 shelf in a variety of designs:
mounted to the wall, free-standing, multi-row
shelving system (below), under a roof,
with roofing or without, with full cladding ...

Heavy duty shelf and cantilever rack
back to back





Customisable
shelf fixtures with
a variety of accessories



BRASS SERVICE

> Consultation and planning

Let us offer you non-binding advice. Our team would be delighted to develop a proposal and create detailed planning for your shelving system.

> Sales and assembly

Brass delivers your customised shelving system and also offers a convenient assembly service via its trained contract partners.

> Training

Do you want to set up and convert the shelving yourself? We can provide you with the necessary know-how – either as a written guide or via face-to-face training.

> Maintenance

Annual shelving maintenance as prescribed by law guarantees safety during ongoing operation.

> Repairs and recycling

Have faulty shelving parts replaced, or repaired and given a new surface coating.