Forklift and Warehouse Accessories 2020/21

JUNGHEINRICH

Dear customers,

Jungheinrich forklift trucks and intralogistics solutions have been winning the trust of customers by consistently delivering top-tier performance in warehouses all over the world for more than 65 years. Every Jungheinrich product and accessory has been designed with you in mind, ensuring that we don't just deliver on your requirements, we surpass them.

A lot can change during the life cycle of your truck. New safety or legal regulations, logistics processes, and the warehouse environment all adapt to evolving market pressures. At Jungheinrich, we continually develop our products and services to align with your changing organisation, driving improvements in safety, productivity, and efficiency.

With genuine Jungheinrich accessories, you can optimise your intralogistics processes with a wide-ranging portfolio of products, specifically designed for forklift trucks and warehouse equipment, avoiding any complex modifications.

In this catalogue, we present the brand new Jungheinrich accessory portfolio, carefully designed to keep your business running smoothly.

For any questions or order queries, please get in touch with your local Jungheinrich representative. You can also order from us directly via the online spare parts platform.

Enjoy the read!
Your Jungheinrich Team

Content

LED Warning Lights

Hardly any other warning device is perceived as actively as the bright light of a warning light. Even in noisy warehouses or at a greater distance, they are clearly visible and indicate a potential source of danger. With early notification of safety hazards, employees can react promptly and avoid potential accidents. Benefits: early detection of dangers, avoidance of accidents during operation, reduce the risk of accidents and costs caused by damage and downtime, protection of danger areas, more security and protection for employees and equipment.

Floor-Spot

The Floor-Spot helps to avoid accidents at intersections and narrow corridors.

▸ Projects red or blue spot onto the ground. With a diameter of approx. 50 cm the point of the small version is almost three times the size of the regular Floor-Spot.
▸ The housing of the small version is almost a third smaller than the one onf the standard Floor-Spot and especially suitable for driver shelters where space is limited

(A) **Floor-Spot,** 12 V–110 V

Material number	Colour
51631731	Blue
51466731	Red

(B) **Floor-Spot Small,** 12 V–110 V

Material number	Colour
51684803	Blue
51684804	Red

Floor-Spot Arrow

The Floor-Spot Arrow projects a blue arrow on the ground.

▸ Clearly indicates the direction of driving, even to slowly approaching vehicles.
▸ Warehouse workers are visually warned of nearing forklifts.

Floor-Spot Arrow, 12 V–110 V

Material number	Colour
51693298	Blue

Floor-Line

The Floor-Line is a zoning light that projects a colored line on the floor, which clearly marks the boundary of a danger zone.

▶ Warns employees that increased attention is needed in the defined area
▶ Available in blue, red or orange

Floor-Line

12–36 V Material number	48–90 V Material number	Colour
51820968	51820971	Blue
51826541	51820966	Red
51831452	51820977	Orange

Floor-Bow

The Floor-Bow projects a clearly visible semicircle in front of or next to a danger zone.

▶ Easy and quick installation with universal bracket
▶ 360° solution possible (two mounted lights, front and back)
▶ Can be combined with additional lighting types

Floor-Bow, 12 V–72 V

Material number	Colour
51826880	Blue
51826884	Green
51826885	Red

Danger Zone Light

Zone light for the visual indication of danger zones.

▸ The entire danger zone is effectively marked with a visible light
▸ Especially suitable for use on temporarily stationary vehicles, such as a scissor lift pallet trucks or defective forklift trucks

Danger Zone Light, 12 V–110 V

Material number	Colour
51684802	Red

Beacon Light / Flashing Light

The LED Beacon Light and the Flashing Light are the classics when it comes to making work areas safer.

▸ Durable LED lighting with five adjustable modification levels
▸ 360° rotating cone of light ensures good visual
▸ Warns against sources of danger even from distance

Beacon Light / Flashing Light, 12 V–80 V

Material number	Product	
51527987	(A)	Beacon Light
52032717	(B)	Flashing Light

Collision Protection

Simple accessories can often help minimize and prevent the risk of work-related accidents as well as damage to persons and equipment. Reduce the risk of collision and increase the safety in your warehouse.

Collision Warning System

Blind corners and intersections are a common hazard in most industrial settings. The Jungheinrich collision warning system helps to lessen these hazards.

▶ Sends a warning when it senses objects moving in both of its detection zones
▶ Visual and acoustical warning through flashing light and warning signal
▶ Regulation and deactivation of acoustic warning signal possible

Collision Warning System

Material number	Product
51687222	Collision warning sytsem

Panoramic Mirror

▶ With variable height and lateral adjustment
▶ Scratch- and water-resistant

Panoramic Mirror

Material number	Product
51617663	180° panoramic mirror

Accessories

Material number	Type
50470544	Mounting kit standard
50471209	Mounting kit for ETV

Safety Bar for Forks

The Jungheinrich safety bars are designed to reduce the likelyhood of injury thanks to improving the visibility of forks without a load.

▸ The beam is designed for forks with a tip thickness of 10 mm, 15 mm and 20 mm – and a maximum fork spacing of 580 mm, measured from outside edges of both forks
▸ Good visibility due to red and white colored hatching
▸ Fork tip plug-on on the inside and an additional slip protection allows a prompt and secure fastening

Safety Bar for Forks

Material number	Product
52014381	Safety bar

Shock Sensor

Reduction of impact damage on trucks, racking, doors, gates and goods.

▸ Prevention of damage to personnel and equipment
▸ Sensor registers impacts and damages
▸ Emits an acoustic warning signal as soon as a specified threshold is exceeded
▸ It is also possible to additionally realise visual warning signals
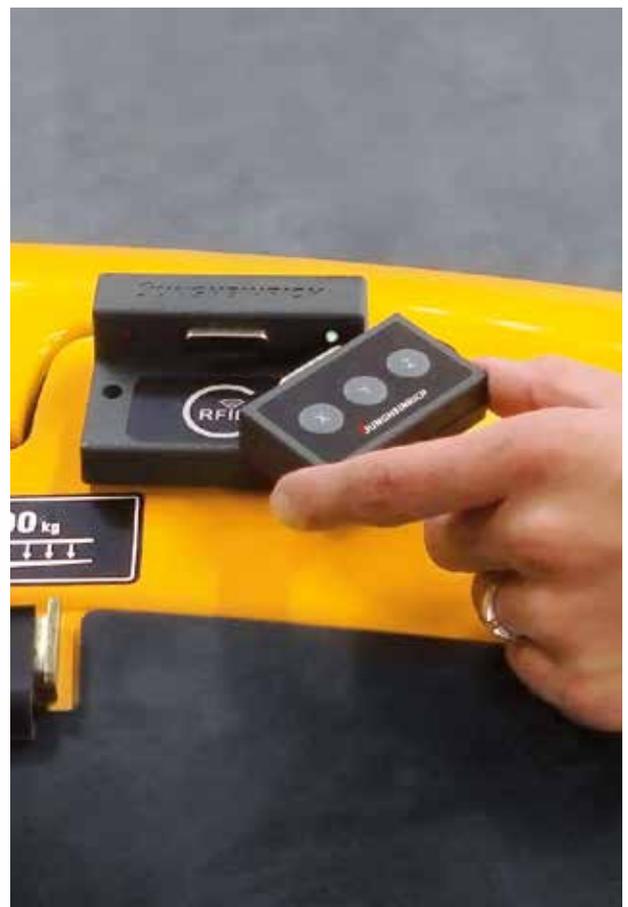
Shock Sensor

Material number	Equipment
51229267	Starter set complete
51229264	Standard equipment per truck

Camera Systems

The Jungheinrich camera systems offer a versatile, cost-effective and instantly applicable camera retrofit solution. All retrofit kits are equipped with powerful Li-Ion batteries and do not require control system integration. The individual components can be installed quickly and flexibly to the truck using a magnetic holder. For further efficiencies, selecting a Wi-fi / radio option eliminates additional material and installation costs. In addition, the cables and cable management components are no longer required, thus reduce costs due to wear and tear. The digital radio technology guarantees a delay-free and interference-resistant signal transmission.

- Increased efficiency through faster and more precise storage and picking
- Increased safety for personnel, machines, and storage equipment due to optimum visibility
- Increased driving comfort and improved ergonomics thanks to clear forward visibility over the load and safe backward navigation without having to constantly turn around
- All camera sets with Wi-fi / radio option for minimum installation effort and wear and tear
- All camera sets include long-lasting Li-Ion batteries and high-performance magnetic mounts for maximum flexibility and truck autonomy

All monitors are delivered with a "RAM-Mount" C-ball. The device for installation in the driver's cab (e.g. the RAM mount socket arm) must be ordered separately. Information regarding mounting options can be found from page 46.

Additional small materials (cable ties, cable fixings, adhesive tape, etc.) may be required for compact installation of the wiring on the fork carriage and inside the driver's cab.

The battery lifespan is normally approx. 8–10 hours. If the truck is utilised in a multiple shift, it is recommended to order an additional battery (JH Mat. No. 51725385).

All systems can be retrofitted with additional camera types. Please refer to the operating instructions for further information. On request, we will be happy to create a personalised solution for you.

For further details, please see the following pages.

Camera Systems

Retrofit Kit Fork Arm Camera incl. operating manual

Material number	Technology	Camera type	Signal via	Image via	Further package contents
51725412	via Wi-fi on tablet or smartphone			iOS or Android app	• Li-Ion battery • Charger • 2x magnet kit "square"
51725413	wireless on monitor				• 2x Li-Ion battery • Charger • 4x magnet kit "square"
51725415	integrated wireless monitor		integrated transmitter / receiver		• 2x Li-Ion battery • Charger • Magnet kit "round"

Retrofit Kit Front View Camera incl. operating manual

Material number	Technology	Camera type	Signal via	Image via	Further package contents
51725416	via Wi-fi on tablet or smartphone			iOS or Android app	• Li-Ion battery • Charger • Magnet kit "round" and 2x magnet kit "square"
51725419	wireless on monitor				• 2x Li-Ion battery • Charger • Magnet kit "round" and 4x magnet kit "square"
51725421	via cable on monitor				• Li-Ion battery • Charger • Magnet kit "round"
51725423	integrated wireless monitor		integrated transmitter / receiver		• 2x Li-Ion battery • Charger • Magnet kit "square"

Retrofit Kit Rear View Camera incl. operating manual

Material number	Technology	Camera type	Signal via	Image via	Further package contents
51725425	via Wi-fi on tablet or smartphone			iOS or Android app	• Li-Ion battery • Charger • Magnet kit "round" and 2x magnet kit "square"
51725429	wireless on monitor				• 2x Li-Ion battery • Charger • Magnet kit "round" and 4x magnet kit "square"
51725432	via cable on monitor				• Li-Ion battery • Charger • Magnet kit "round"
51725435	integrated wireless monitor		integrated transmitter / receiver		• 2x Li-Ion battery • Charger • Magnet kit "square"

Camera Systems

Individual Components

Material number	51725372	51725400	51725379	51725384	51725401
Cameras	Fork-arm camera	Wireless fork-arm camera	Rear view camera	Front view camera	Wireless rear / front view camera

Material number	51725388	51725398	51725409
Monitors	Monitor	Wireless monitor	Operating manual camera systems

Material number	51725383	51725390	51725395
Transmitters	Wi-fi transmitter	Digital transmitter / receiver set	Digital transmitter

Material number	51725385	51725387
Batteries	Li-Ion battery	Charger

Material number	51725397	51725376	51725378
Mounting	RAM ball	Magnet kit "round"	Magnet kit "square"

Material number	51725403	51725405	51725406	51725407	51725408
4-pin cable	2 m	5 m	10 m	15 m	20 m

Warehouse Safety

Upgrade your operation with ram protection fixtures to protect your load, equipment and buildings. With the Jungheinrich barrier systems you can quickly and easily secure danger zones in your exterior and interior operations. Due to the clear marking of potential danger zones and effectively placed ram protection, you can avoid expensive downtimes and repair costs in your operation.

Ram Protection

Steinbock® Impact Protection

Reliable protection against collision damage in the warehouse.

▸ Compliant with safety guideline
  DGUV Regel 108-007 (ex BGR 234)
▸ Robust design made of 5 mm steel plate
▸ Warning colours ensure excellent visibility
▸ Available in 2 models: angle and U-profile

Steinbock® Impact Protection, for indoor use

Material number	Profile	Height (mm)	Width (mm)	Necessary dowels / armatures (see accessories)
51706462	(A) Angle	400	180	4 pieces
51706464	(B) U-profile	400	170	4 pieces

Accessories

Material number	Product	UoS
51706467	Screw anchor for concrete floors	1 piece

Corner Collision Protection Bracket

With this corner collision protection bracket for indoor and outdoor use, you can enhance safety both inside and outside your building and protect your goods against collision damage.

▸ The corner collision protection bracket offers reliable impact protection
▸ Warning colours ensure excellent visibility
▸ The collision protection bracket is hot-dip galvanised and thus protected against corrosion
▸ High-quality steel (Ø 76 mm)
▸ Wall thickness 3 mm

(A) **Corner Collision Protection Bracket,** for indoor and outdoor use

Material number	H × W × D (mm)	Weight (kg)	Necessary dowels / armatures (see accessories)
51704812	350 × 600 × 600	20	12 pieces
51704819	600 × 600 × 600	24	12 pieces
51704786	1,200 × 600 × 600	34	12 pieces

(B) **Corner Collision Protection Bracket with Underride Guard,** for indoor and outdoor use

Material number	H × W × D (mm)	Height underride guard (mm)	Weight (kg)	Necessary dowels / armatures (see accessories)
51706452	350 × 600 × 600	150	22	12 pieces
51706453	600 × 600 × 600	400	34	12 pieces

Accessories for (A) + (B)

Material number	Product	UoS
51706456	Universal dowel with screw	1 piece
51706353	Anchor bolts for concrete floors	1 piece

Collision Protection Bracket

The collision protection bracket allows you to secure danger zones in a quick and effective manner. The railing is easily installed to section off working areas and provide reliable impact protection.

▸ Solid collision protection bracket made from curved steel pipe
▸ Enhanced safety thanks to additional knee rail
▸ Galvanised and plastic-coated for outdoor use
▸ Base plate dimensions L × W × H: 160 × 70 × 10 mm
▸ Steel tube diameter 48 mm
▸ Wall thickness 2 mm

Collision Protection Bracket, for outdoor use, galvanized, plastic-coated, yellow with black stripes

Material number	Height (mm)	Length (mm)	Necessary dowels / armatures (see accessories)
51705809	1,000	1,000	4 pieces
51705813	1,000	1,500	4 pieces
51705814	1,000	2,000	4 pieces

Collision Protection Bracket, for indoor use, plastic-coated, yellow with black stripes

Material number	Height (mm)	Length (mm)	Necessary dowels / armatures (see accessories)
51705804	1,000	1,000	4 pieces
51705805	1,000	1,500	4 pieces
51705807	1,000	2,000	4 pieces

Collision Protection Bracket with Underride Guard

In warehouses and assembly halls, safety is paramount. Robust collision protection brackets with underride barriers provide effective protection for storage racks and working areas.

▸ Impact protection made from high-grade steel for indoor use
▸ 4 mm thick steel plate as underride barrier
▸ High signal effect thanks to yellow / black plastic coating
▸ Stable installation with floor anchoring
▸ High-quality steel (Ø 76 mm)
▸ Wall thickness 3 mm

Collision Protection Bracket with Underride Bar, for indoor use

Material number	H × W (mm)	Height underride guard (mm)	Weight (kg)	Necessary dowels / armatures (see accessories)
51706340	350 × 750	150	14.5	8 pieces
51706343	350 × 1,000	150	17.5	8 pieces
51706344	600 × 750	400	24	8 pieces
51706345	600 × 1,000	400	29	8 pieces

Accessories for all Jungheinrich Collision Protection Brackets

Material number		UoS
51706456	Universal dowel with screw	1 piece
51706353	Anchor bolts for concrete floors	1 piece

Impact Protection Bar

The impact protection bar for indoor use keeps vehicles on their designated routes and enhances safety in buildings. The eye-catching colour combination ensures maximum visibility of the solid steel lane markings.

▶ Durable impact protection bar for indoor use
▶ Easily visible, yellow plastic coating with contrasting black stripes
▶ Stable base plates for rapid, secure installation
▶ The low height means protected areas remain easily accessible
▶ Thick-walled quality steel tubes, wall thickness 3 mm (Ø 76 mm)

Collision Protection Bar, yellow with black stripes

Material number	Height (mm)	Length (mm)	Necessary dowels / armatures (see accessories)
51704875	86	400	4 pieces
51704887	86	800	4 pieces
51704891	86	1,200	4 pieces
51706282	86	2 × 638	6 pieces

S-Line Collision Protection Railing

Robust protection railing made of sectional steel.

▶ For clear separation of working areas
▶ Variable and expendable system consisting of support posts and cross bars
▶ Compact dimensions
▶ Quick and easy mounting
▶ Interlocking – no protruding flaps or screws
▶ Base plate dimensions L × W × H: 140 × 160 × 10 mm
▶ Optionally available with SWING spring element and railing door (accessories page 20)

S-Line Support Post for indoor use, plastic-coated, yellow

Material number	Model	H × W × D (mm)	Thickness (mm)	Necessary dowels / armatures (see accessories)
51706398	Beginning- / end post	1,000 × 70 × 70	3	4 pieces
51706403	Middle post	1,000 × 70 × 70	3	4 pieces
51706405	Corner post	1,000 × 70 × 70	3	4 pieces

S-Line Cross Bar for indoor use, plastic-coated, yellow

Material number	H × W (mm)	Depth (mm)	Thickness (mm)	
51706407	60 × 1,000	40	3	
51706409	60 × 1,200	40	3	
51706423	60 × 1,500	40	3	
51706427	60 × 2,000	40	3	
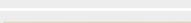
Accessories for all Jungheinrich Protection Bars and Railings

Material number	Product	UoS
51706456	Universal dowel with screw	1 piece
51706353	Anchor bolts for concrete floors	1 piece

Impact Protection Crossbar

To ensure smooth and safe workflows, transport and pedestrian routes in production halls and warehouses should be clearly separated. Impact protection railings for indoor use are an ideal solution in this case.

▸ Crossbar for impact protection railing system for indoor use
▸ Robust sectional steel for maximum durability
▸ Yellow plastic coating for enhanced visibility
▸ Easily expandable
▸ Optional: SWING spring element and railing door
▸ Incl. base plate for floor bolting, L × W × H: 200 × 200 × 10 mm

Support Post for indoor use, plastic-coated, yellow

Material number	Model	H × W × D (mm)	Thickness (mm)	Necessary dowels / armatures (see accessories page 19)
51705818	Beginning- / end post	500 × 100 × 100	3	4 pieces
51706240	Beginning- / end post	1,000 × 100 × 100	3	4 pieces
51706241	Middle post	500 × 100 × 100	3	4 pieces
51706242	Middle post	1,000 × 100 × 100	3	4 pieces
51706244	Corner post	500 × 100 × 100	3	4 pieces
51706245	Corner post	1,000 × 100 × 100	3	4 pieces

Cross Bar for indoor use, plastic-coated, yellow

Material number	H × W (mm)	Depth (mm)	Thickness (mm)
51706247	120 × 1,000	80	3
51706252	120 × 1,200	80	3
51706254	120 × 1,500	80	3
51706259	120 × 2,000	80	3

Accessories: SWING Spring Element

▸ Optionally available support post
▸ Minimizes collision damage and repair costs
▸ Protects the surfaces
▸ Is UV-resistant, permanently elastic
▸ Inclinable by up to 10°
▸ Mounting-set for two spring elements – please order separately

Material number	Type
51706350	SWING spring element for collision protection railing
51706428	SWING spring element for collision protection railing S-Line
51706451	Mounting-set for 2 SWING spring element

Accessories: Railing Door

▸ Fitting for support posts
▸ With welded protective cover
▸ Opens and closes manually
▸ 90° opening angle
▸ Door dimensions without fittings (W × H 835 × 475 mm)
▸ Can be mounted / opened from left and right side

Material number	Product
51706461	Collision protection railing door
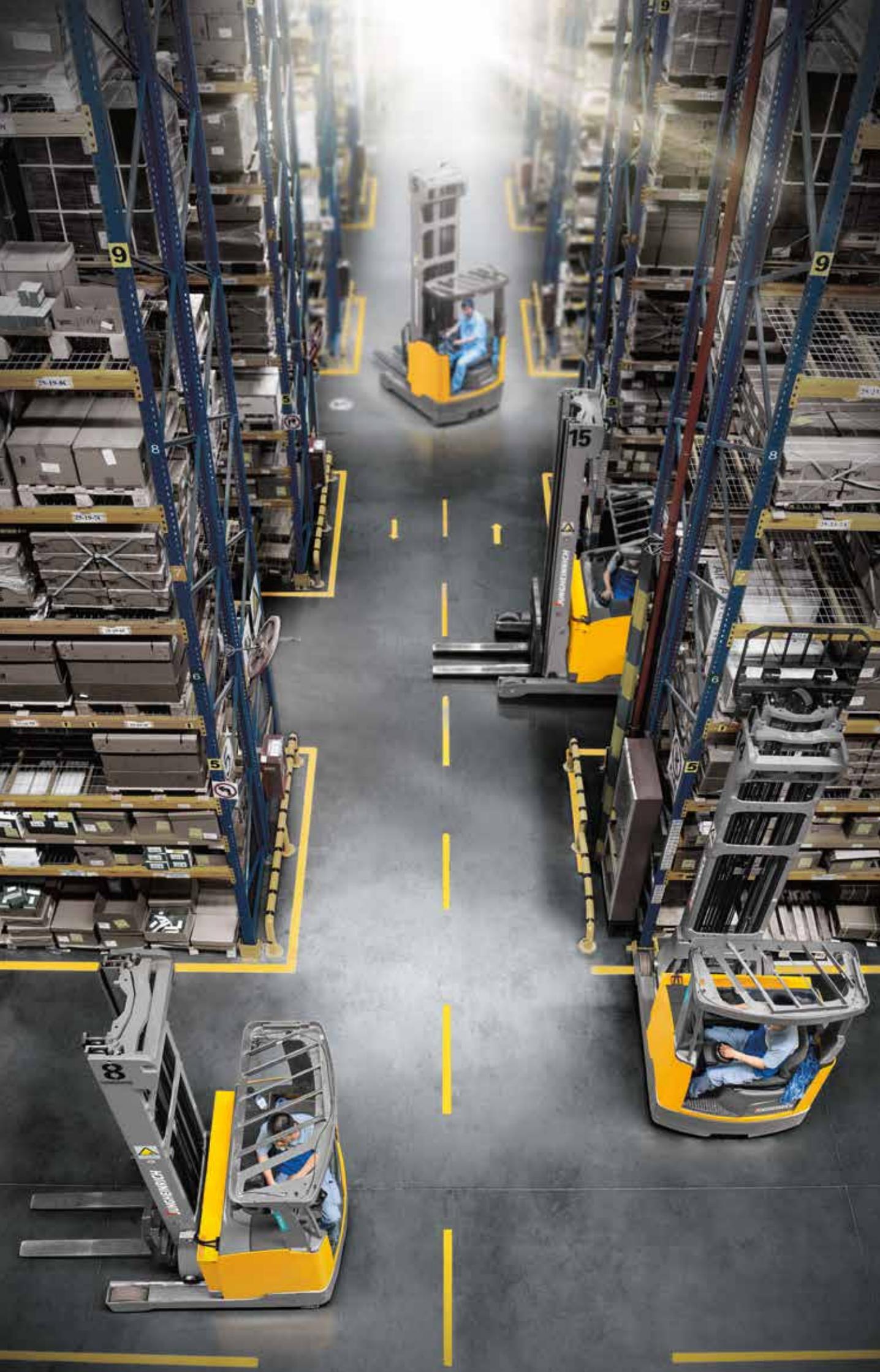
RackGuard Racking Leg Protectors

With RackGuard the rack legs and uprights are effectively protected against lateral and frontal impacts. Thus, protect the racking from any significant consequential damages. The RackGuard is a standard feature in many Jungheinrich warehouse projects and can now be easily retrofitted and customized by Jungheinrich service.

▸ Optimal absorption and deflection of collision impact
▸ Low space requirement
▸ Easy and fast installation
▸ No mounting on the ground necessary
▸ Original Jungheinrich design

RackGuard Racking Leg Protectors

Material number	Suitable for Jungheinrich	Height (mm)	Max. rack width (mm)	Max. rack depth (mm)
51806705	B11–B13	600	85	80
51806703	B15–B16	600	102	45
51806706	B17–B18, B29–B30	600	126	75

Accessories

Material number	Product
51806707	Mounting kit – recommended for increased installation ease

Alarm Bar

The alarm bar effectively protects doors, gate frames, ceiling installations or cables from damage caused by extended masts or excessively high loads. Furthermore, damages to the forklift and other warehouse vehicles as well as the load are prevented. The alarm bar is mounted a few meters in front of the obstacle. If the truck touches the bar, a clearly audible alarm signal is emitted (102 dB). In addition, red LEDs lights emit optical flashing signals (68 lm/m). The perceived warning signals enable the driver to stop his truck promptly and lower the mast and / or reduce the load.

▸ Alarm bar with visual and audible warning signal
▸ Quick and easy installation
▸ Includes two nylon ropes of 1.5 m length
▸ Approximately 2 years battery life

Alarm Bar

Material number	Length (mm)	Height (mm)
51806713	2,000	130

Rack End Guardrail

Rack end guardrail systems provide reliable shock absorbing protection caused by turning vehicles and warehouse equipment. Created from an exclusive composition of sophisticated materials, expertly blended for high strength, durability and resistance. Designed to protect end of racking aisle and vulnerable racking structures.

▸ Special plastic with maximum impact absorption
▸ Rotating cuffs
▸ Simple installation
▸ Powder-coated floor panels

Double Rail

Material number	Length (mm)	Post diameter (mm)	Bar diameter (mm, square)	Bar extension (mm)
51806719	1,200	190	90 × 90	100
51806721	2,500	190	90 × 90	100

Bollard

Bollards can be used flexibly to protect the racking structure and equipment, e.g. in narrow corners or dangerous areas. In addition, their physical presence provides visual guidance and helps drivers and pedestrians navigate around critical warehouse areas.

▸ Extremely impact-resistant and flexible material
▸ Absorbs and reforms repeatedly upon impact force
▸ Suitable for both indoor and outdoor use
▸ Powder-coated floor panels

Bollard

| Material number	Diameter (mm)	Height (mm)
On request	190	750
51806714	190	1,200
On request	190	2,000

Protection Profiles

Impact Protection

The impact protector can prevent damage to machines, vehicles and buildings.

▸ Made from lightweight polyurethane foam
▸ The foam material is resistant to UV light and solvents
▸ Flexible, non-ageing and weather-resistant
▸ Temperature-resistant from −40 to +90 °C, with UL 94 flammability rating
▸ Can be easily cut to size
▸ UoS 1 or 5 m

Surface Guard, according to DIN 4844 yellow / black, self-adhesive, **UoS = 5 m**
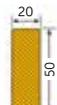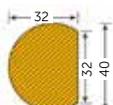
Material number	51706299	51706296
Profile (mm)	40 × 32	50 × 20

Edge Guard, according to DIN 4844 yellow / black, self-adhesive, **UoS = 5 m**
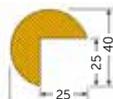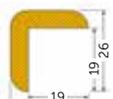
Material number	51706292	51706283	51706334
Profile (mm)	26 × 26	40 × 40	40 × 40

Profile Guard, according to DIN 4844 yellow / black, slip-on, **UoS = 5 m**
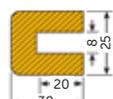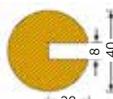
Material number	51706294	51706336	51706338
Profile (mm)	40 × 40 × 8	25 × 30 × 8	40 × 40 × 8

Surface Guard, according to DIN 4844 yellow / black, self-adhesive, **UoS = 1 m**
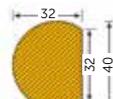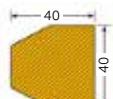
Material number	51705556	51705551	51705557
Profile (mm)	40 × 40	40 × 32	60 × 20

Edge Guard, according to DIN 4844 yellow / black, self-adhesive, **UoS = 1 m**
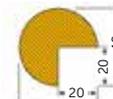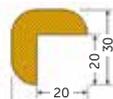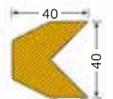
Material number	51706264	51706266	51706301	51706267
Profile (mm)	40 × 40	30 × 30	60 × 60	40 × 40

Profile Guard, according to DIN 4844 yellow / black, slip-on, **UoS = 1 m**
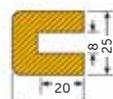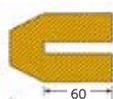
Material number	51599166	51705554	51705555	51706303
Profile (mm)	40 × 40 × 8	40 × 80 × 8	40 × 40 × 8	25 × 30 × 8

Barriers

Steel Scissor Barrier

This lightweight steel scissor barrier provides a means of securing areas quickly. The folding function enables the width of the scissor fence to be adjusted.

▶ Scissor fence barrier can be extended to a width of 3.6 m
▶ High-quality steel makes it durable and stable
▶ Connecting brackets enable several scissor fences to be erected next to each other
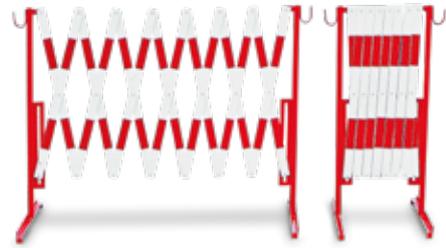
Steel Scissor Barrier

Material number	Material	Length (mm)	Height (mm)
51704944	Steel, red-white, powder-coated	3,600	1,000

BASIC Plastic Scissor Barrier

With its bright colours, this BASIC Plastic scissor barrier is ideal for enhancing safety in a wide range of locations. Thanks to its low weight, the flexible barrier can be carried by a single person and erected in a flash.

▶ Scissor construction for straightforward expansion and retraction
▶ Easy transport thanks to low weight of just 2.6 kg
▶ Just 240 mm wide when collapsed
▶ Fillable feet for maximum stability

BASIC Plastic Scissor Barrier

Material number	Material	Length (mm)	Height (mm)
51706349	HD-Polyethylene, yellow-black	2,500	960

Protection Rail

Reliable protection of restricted areas and entrance areas.

▶ Massive steel angle for protection of restricted areas and entrance areas
▶ Highly robust: stops lift trucks, transport trolleys etc. thus decreasing repair costs
▶ Low construction (150 mm high) for unobstructed access to protected areas
▶ Mitre cut (45°) for angle mounting

Protection Rail, yellow, plastic-coated

Material number	H × W × D (mm)	Thickness (mm)	Necessary dowels / armatures (see accessories)
51706392	150 × 800 × 100	6	5 pieces
51706269	150 × 800 × 100	10	5 pieces
51706394	150 × 1,200 × 100	6	7 pieces
51706270	150 × 1,200 × 100	10	7 pieces

Accessories

Material number	Product	UoS
51706456	Universal dowel with screw	1 piece
51706353	Anchor bolts for concrete floors	1 piece

Chain Post Set

Easy, quick and mobile shutting of areas.

▸ Handy, light and self-standing plastic chain posts
▸ For a quick and temporary barrier
▸ Plastic hook option in the sprocket head
▸ 2 types of bases available

Chain Post Set, 6 pieces, height 870 mm

Material number	Base		Colour	Base (mm)	Weight (kg)
51705538	(A)	Plastic base (triangular)	Red / white	300 (side length)	19.5
51705523	(A)	Plastic base (triangular)	Black / yellow	300 (side length)	19.5
51705548	(B)	Solid rubber base (square)	Red / white	265 × 265	12
51705544	(B)	Solid rubber base (square)	Black / yellow	265 × 265	12

Chain Post Single, height 870 mm

Material number	Base		Colour	Base (mm)	Weight (kg)
51705531	(A)	Plastic base (triangular)	Red / white	300 (side length)	2.9
51705534	(A)	Plastic base (triangular)	Black / yellow	300 (side length)	2.9

Accessories: Barrier Chains

Material number	Material	Colour	Link thickness (mm)	Length (m)
51705770	Polyethylene	Red / white	6	10
51705772	Polyethylene	Black / yellow	6	10

Accessories: Connecting Links for Barrier Chains

Material number	Material	Colour	Link thickness (mm)	UoS
51704841	Polyethylene	Red	6	10 pieces
51704828	Polyethylene	Black	6	10 pieces

Wall Belt Barrier

The wall belt barrier makes the blocking of routes efficient and quick. The wall belt includes a wall clip (accessories) made of highly durable plastic, which allows for the easy hooking in of the belt.

▶ Wall belt for connection with screw-on wall clip
▶ Self-tensioning belt for optimal handling
▶ Wall clip made of heavy-duty plastic (accessories)
▶ Length 3 or 4 m
▶ Use belt connector (see accessories) to connect belts for blockings up to 8 m

Wall Belt, screw-on

Material number	Belt colour	Length (m)
51704919	Black / yellow hatched	3
51704934	Red / white hatched	3
51706274	Black / yellow hatched	4
51706278	Red / white hatched	4

Accessories

Material number	Product	
51704899	(A)	Wall clip
51705779	(B)	Belt connector

PANORAMA All-Round Visibility Mirror

With its robust construction and hemispherical shape, the PANORAMA all-round vision mirror offers a clear 360-degree view of interior spaces and thus guarantees high levels of safety for your truck traffic.

▶ PANORAMA all-round vision mirror made from impact-resistant acrylic
▶ Easy handling thanks to low weight
▶ Mounting kit for straightforward ceiling attachment
▶ Easy mounting – screw directly on straight surface or use mounting kit for ceiling attachment (4 m knotted chain)

PANORAMA All-Round Visibility Mirror

Material number	Mirror size (Ø mm)	Viewing distance from mirror max. (m)
51704866	600	3
51706465	800	4
51704850	900	5
51706459	1,000	6
51704860	1,250	8

Accessories

Material number	Product
51705652	Mounting kit for straightforward ceiling attachment (4 m knotted chain)

Protection of Goods

Goods are exposed to damage risks both during transport as well as during storage and picking processes. Damages can be caused by contact with the forks and fork carriers, or if the load slips off the forks. The Jungheinrich accessories presented in this section help to reduce these risks and thus effectively protect goods from damage.

Fork Laser Guide

The Jungheinrich Fork Laser Guide projects a clearly visible green laser line at the fork level, which facilitates a precise and swift control of the pallet. This small accessory can significantly increase throughput rates and reduce the risk of damage, especially in areas with poor lighting conditions as well as support inexperienced drivers. The fork laser guide includes two long-lasting Li-Ion batteries plus a charger and can be operated via height sensor or remote control.

▸ Prevention of damages to pallets and goods
▸ Simplifies storage and picking of loads
▸ Quick and easy retrofitting to the fork carriage: Plug & Play
▸ Automatic deactivation when not in use
▸ Robust design

Fork Laser Guide

Material number	Description
51755717	Applicable for fork carriage type 2A* with height sensor control (automatic from 2.5 m)
51755719	Applicable for fork carriage type 2A* with remote control

*2B Variants on request

Flexible Bumper

The bumper can be used flexibly for mounting directly on the truck or on the back of the fork. The PVC material specially developed for the use on forklifts, absorbs the impact energy very effectively. The bumper comes with two magnets (45 kg capacity), double-sided 3M adhesive tape and mounting brackets for anti-slip attachment to the back of the fork.

▸ Effective absorption of impact energy
▸ Protection of goods, forklifts, and pallet loads
▸ Possible to bend up to 90 degrees for effective attachment on edges and corners

Flexible Bumper

Material number	L × W × H (mm)
51729933	450 × 100 × 35 mm

Magnetic Rubber Fork Covers

The magnetic covers offer additional protection when transporting goods with a smooth surface. They reduce the risk of slipping and protect sensitive surfaces from damage.

▸ Effective prevention of slipping of goods
▸ Quick and easy installation
▸ Noise absorption
▸ Secure adhesion to the forks
▸ Resistant to abrasion, chemicals, and oils

Ⓐ   Ⓑ
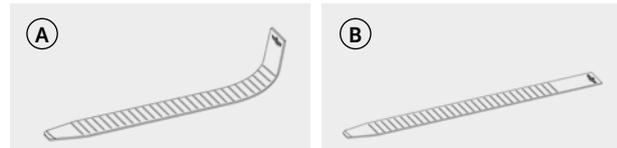
Magnetic Rubber Fork Covers

Material number	Fork width (mm)	Fork length (mm)	Material thickness (mm)	Net weight (kg)
Ⓐ **Covers blade and parts of the shank**				
51709967	80	800– 990	9	4.2
51710000	80	1,000–1,190	9	4.8
51280614*	80	1,000–1,300	9	7.0
51710003	80	1,200–1,390	9	5.9
51710005	100	800– 990	9	5.0
51281056	100	1,000–1,190	9	5.4
51281058	100	1,200–1,390	9	6.4
51281062	120–130	1,000–1,190	9	7.0
51281065	120–130	1,200–1,390	9	8.0
51281077	150–200	1,000–1,190	11	8.8
51281078	150–200	1,200–1,390	11	10.0
Ⓐ **Covers blade and parts of the shank,** non-marking black rubber				
51710007	100	800– 990	9	5.0
51538166	100	1,000–1,190	9	5.4
51710008	100	1,200–1,600	9	6.4
51710009	120–130	1,000–1,190	9	7.0
51710012	120–130	1,200–1,600	9	8.0
51710017	150–200	1,000–1,190	11	8.8
51710018	150–200	1,200–1,390	11	10.0
Ⓑ **Covers blade only**				
51281059	100	1,400–1,600	9	6.8
51281073	120–130	1,400–1,600	9	9.8
51281074	120–130	1,700–2,050	11	11.4
51281082	150–200	1,400–1,600	11	12.4
51281084	150–200	1,700–2,050	11	14.4
51281075*	120–130	2,200–2,250	11	23.0
51281085*	150–200	2,200–2,250	11	28.6
Ⓑ **Covers blade only,** non-marking black rubber				
51710020	120–130	1,400–1,600	9	9.8
51710028	150–200	1,400–1,600	11	12.4

* incl. edge guard

Fork Guards

Magnetic protective pad for forks.

▸ Protects the fork surface and sides from abrasion
▸ Anti-slip surface protects goods from slipping or
  falling off
▸ Noise absorption during loading and unloading
▸ Quick and easy installation

Fork Guards

Material number	Length (mm)
Width 100 mm	
51822449	915
51822451	1,000
51822454	1,070
51822455	1,100
51822456	1,150
51822461	1,200
Width 125 mm	
51822462	915
51822464	1,000
51822466	1,070
51822467	1,100
51822469	1,150
51822470	1,200
51822477	1,300
51822479	1,370
51822480	1,450
51822482	1,500
51822483	1,605
51822484	1,680
51822485	1,830

Material number	Length (mm)
Width 150 mm	
51822486	1,000
51822487	1,070
51822489	1,100
51822492	1,150
51822493	1,200
51822494	1,300
51822497	1,370
51822499	1,450
51822500	1,500
51822501	1,605
51822502	1,680
Width 200 mm	
51822503	1,830

Fork Tip Protector

Protective caps for fork tips

▸ Protection of fork tips
▸ Reduction of goods damage

Fork Tip Protector

Material number	Width (mm)
51822407	100
51822409	125

Fork Protection

The magnetic fork shank protection made of polyurethane, effectively protect goods and pallets from damage during loading.

▶ Damage protection to goods and pallets
▶ Quick and easy assembly with magnets
▶ Noise absorption
▶ Vibration reduction
▶ Abrasion and cut-resistant

Fork Protection

Material number	L × W × H (mm)
51710041	430 × 70 × 30

Fork Carriage Protection

Magnetic bumpers for the fork shank.

▶ Absorbs shocks that can occur during the lifting, loading and placing of pallet loads
▶ Protects goods as well as the back of the forks

Fork Carriage Protection

Material number	L × B (mm)
51822434	450 × 100
51822437	550 × 100
51822439	450 × 125
51822440	550 × 125
51822441	650 × 125
51822442	750 × 125
51822443	550 × 150
51822444	650 × 150
51822445	750 × 150
51822446	900 × 150

Seats

Due to uneven ground, undamped impacts can have a negative effect on your driver. Our high quality seats help to effectively reduce these vibrations. On top of this, you will profit from maximum seating comfort, due to the perfectly ergonomic design and the extensive additional features such as seat heating, lumbar support and the seatback extension.

Seats for ETV / M

MSG 20 – Standard Compact Seat with Mechanical Suspension

Material number	Model	Cover	Features
50447418	Seat	Fabric	
51095100	Seat	Synthetic leather	Storage pocket, man-on-board sensor

PRIMO® M – Premium Comfort Seat with Mechanical Suspension

Material number	Model	Cover	Features
50470624	Seat	Fabric	Lumbar support
51543314	Seat	Synthetic leather	Lumbar support, seat rail
51542673	Heated seat (48 V)	Fabric	Lumbar support

PRIMO® L – Premium Comfort Seat with Pneumatic Suspension

Material number	Model	Cover	Features
51144820	Heated seat (12 V)	Fabric	Lumbar support, arm rest, man-on-board sensor
51587749	Heated seat (24 V)	Fabric	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor

Control lines, seat rails and covers are not always included in the scope of delivery. Please contact your Jungheinrich expert for assistance.

Seats for EFG

MSG 20 – Standard Compact Seat with Mechanical Suspension

Material number	Model	Cover	Features
5078801	Seat	Synthetic leather	Safety belt, storage pocket, man-on-board sensor

PRIMO® M – Premium Comfort Seat with Mechanical Suspension

Material number	Model	Cover	Features
51580837	Seat	Synthetic leather	Safety belt, storage pocket, man-on-board sensor
51580818	Seat	Fabric	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor
51586637	Heated seat (24 V)	Synthetic leather	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor

PRIMO® L – Premium Comfort Seat with Pneumatic Suspension

Material number	Model	Cover	Features
51003872	Seat	Fabric	Safety belt, storage pocket, man-on-board sensor
51067265	Seat	Synthetic leather	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor
51586649	Heated seat (24 V)	Fabric	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor

Control lines, seat rails and covers are not always included in the scope of delivery. Please contact your Jungheinrich expert for assistance.

Seats for VFG

MSG 20 – Standard Compact Seat with Mechanical Suspension

Material number	Model	Cover	Features
51331913	Seat	Synthetic leather	Safety belt, storage pocket, man-on-board sensor, seat rail

PRIMO® M – Premium Comfort Seat with Mechanical Suspension

Material number	Model	Cover	Features
51580805	Seat	Synthetic leather	Safety belt, storage pocket, man-on-board sensor
51580828	Seat	Synthetic leather	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor
51580859	Heated seat (12 V)	Synthetic leather	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor

PRIMO® L – Premium Comfort Seat with Pneumatic Suspension

Material number	Model	Cover	Features
51580843	Seat	Fabric	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor
51587759	Seat	Synthetic leather	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor
51192914	Heated seat (12 V)	Fabric	Lumbar support, seat back extension, safety belt, storage pocket, man-on-board sensor

> Control lines, seat rails and covers are not always included in the scope of delivery.
> Please contact your Jungheinrich expert for assistance.

Accessorie: Lap Belt

Material number	Model
51271772	MSG 65 / 75 Orange

Accessorie: Seat Covers

▸ Made of microfribre velour with synthetic fibre inserts and foam cushioning
▸ Abrasion-proof and robust material
▸ Pleasant and comfortable seating climate

Material number	Suitable for model
51111516	51192809 – fabric seat MSG 65 (EFG) with seat back
51111514	51192810 – fabric seat MSG 65 (EFG)
51111515	50470624 – fabric seat MSG 65 (ETV)
51111513	50447418 – fabric seat MSG 20 (ETV)

Maintenance Products

Keep your forklift in good shape! Chains and other moving parts should always be greased, even in between the regular maintenance intervals. This ensures a smooth movement flow. With our Jungheinrich paint products, you can easily touch up small transportation damages and scratches. Your forklift will look brand new.

Service Sprays and Cleaning Cloths

Material number		Product	Additional info
51282333		Hand cleaning wipes (moist)	80 towels
51190381	A	Wipes in dispenser bucket	200 towels per roll
51582989	B	Service-set	Lubricant spray, chain spray, cleaner (150 ml each)
51198723		Cleaning-set	Window cleaner, maintenance spray, universal cleaner (150 ml each)
29201280		Chain spray	400 ml can
50002004		Lubricant spray	400 ml can
51057206	C	Battery acid neutralizer	500 ml can
50003894		Maintenance spray	300 ml can
50001913		Multi purpose spray	400 ml can

Touch-Up Paint

Material number		Product	Colour	Additional info
51628149		Touch-up paint	JH-grey	30 ml
51628151		Touch-up paint	JH-anthracite	30 ml
51628153	D	Touch-up paint	JH-yellow	30 ml
51628154		Touch-up paint	MIT-green	30 ml
51628156		Touch-up paint	CAT-yellow	30 ml

Spray Paint

Material number		Product	Colour	Additional info
51502188		Premium spray paint	JH-yellow, shiny	RAL 1028
51502190		Premium spray paint	White	RAL 9010
51530300	E	Premium spray paint	JH-anthracite	RAL 7016
51502189		Premium spray paint	Black	RAL 9005

Greases

Material number		Product	Additional info
14038650	F	Maintenance grease	450 g cartridge
50006713		Low temperature grease	450 g cartridge
50035793		Liquid gear grease	1 kg can

Cleaner

Material number		Product	Additional info
51025050	G	Universal cleaner	500 ml
51224491		Glass and surface cleaner	750 ml
51156006		Windshield cleaner, antifreeze	1 l bottle
50002003		Cleaner / degreaser	500 ml

A   B   B   B   C   D   E   F   G

Battery Accessories

Maximise the service life of your battery. The battery is the heart and soul of an electric forklift. Regular maintenance is a significant factor in keeping up the performance, as well as increasing the lifetime of your forklifts. Jungheinrich offers the right solutions for your battery maintenance.

Service Board

Safety-relevant features for your battery service. Everything at hand for your maintenance and in case of emergencies. The battery service board has dimensions of 65 cm × 65 cm and includes:

▸ 2x eye rinsing with mirror
▸ Safety goggles
▸ Acid gloves
▸ Acid neutralization spray
▸ Battery hydrometer
▸ Maintenance instructions in 5 languages
▸ Additional hook for other accessories
▸ Set of screws

Service Board Sets

Material number*	Product
51821338	Service board base
51821339	Battery maintenance set
51255221	Eye rinsing set

Other, optionally usable for service board

Material number	Product
50150127	First aid kit
51135005	Acid protection apron

*Due to various custom tarifs to be ordered as singel parts now.

Keep in mind: battery charging stations have to fulfil certain safety feature components according to the given safety requirements (DIN EN 50272). Everything on hand for your maintenance and in case of emergencies. Optionally, the battery service board can be supplemented with safety signs, acid protection aprons or medical kits.

Safety Signs

Material number		Warning	Size	Model
51256877	A	No open fire	20 cm	Aluminium sign
51256860		No open fire	10 cm	Adhesive label
51256881	B	Wear gloves	20 cm	Aluminium sign
51256879	C	Wear safety goggles	20 cm	Aluminium sign

Battery Level Sensor

Low electrolyte levels can lead to permanent damage to the battery cells.

▸ Enables constant monitoring of the electrolyte level
▸ Spares unnecessary checks
▸ Increases the lifetime of the battery

Battery Level Sensor

Material number	Model	Suitable for	Additional info
51092054	Level sensor with O-ring	All batteries	O-ring links to cell connector
51244246	Level sensor with ext. probe, O-ring	Small battery cells	O-ring links to cell connector. LED plugs between battery cells
51244244	Level sensor with O-ring and ext. LED	All batteries	Attaches to the battery cable, thus clearly visible from outside
51236530	Level sensor with cable fixture	All batteries	Cable fixture connects with cell connector
51233095	Level sensor with cable fixture and remote indication	All batteries	Good visibility from outside

Battery Small Parts Case

Content:

▸ Cell connectors
▸ Stopper
▸ Pole screw
▸ Hose
▸ Flow indicator
▸ T-piece
▸ Connection adapter
▸ Depth gauge
▸ Reducing bush
▸ Sealing plug

Battery Small Parts Case

Material number	Model
51549365	Complete

Battery Pole Fuse

Short circuits can cause irreparable damage to vehicles and batteries. The battery pole fuse provides simple protection against short-circuits and thus ensures greater safety in handling both vehicle and battery.

▸ Protects the vehicle and the battery from short circuits
▸ No additional wiring required to attach directly to the battery
▸ Suitable for all approved Jungheinrich batteries with the Flex connector

Battery Pole Fuse , 12 V–80 V

Material number	Technical details
51759284	• Amperage: 600 A • Nominal voltage: 80 V DC • Fuse connection tightening torque: 18±2 Nm • Protection class: IP67 / IP69K • Housing: TPU UL94 V0 • Output port: M10

Ion Exchanger

(A)   (B)   (C)   (D)

Demineralized water sustainably ensures the maximum lifetime of your forklift batteries. You can either buy expensive demineralised water, or you can produce it efficiently and economically yourself. It is very easy with the Jungheinrich ion exchanger. Just connect the ion exchanger to a standard water tap and the fully automatic desalination of the water starts immediately.

▸ No cost-intensive procurement and storage of distilled water
▸ Fresh water always available with no risk of algae formation due to storage / exposure to light
▸ Maintenance-free

Ion Exchanger

Material number		Product	Filtering capacity	Features
51184023	(A)	Ion exchanger 450 complete	450 litre	Incl. 450 litre disposable cartridge, conductance sensor, wall mounting, hose set, quick release couplings
51184024		Replacement cartridge	450 litre	
51184017	(B)	Ion exchanger 1000 complete	1,000 litre	Incl. 1,000 litre reusable cartridge, conductance sensor, hose set, quick release couplings
51202573		Replacement cartridge	1,000 litre	
51317852	(C)	Ion exchanger 2000 complete	2,000 litre	Incl. 2,000 litre disposable cartridge, conductance sensor, wall mounting, hose set, quick release couplings
51317856		Replacement cartridge	2,000 litre	
51630865	(D)	Ion exchanger 4000 complete	4,000 litre	Incl. 4,000 litre reusable cartridge, conductance sensor, hose set, quick release couplings
51630871		Replacement cartridge	4,000 litre	

Accessories

Material number	Equipment
51630867	Aluminum rack for ion exchanger 4000
51642458	Diaphragm sensed pressure regulator with aquamatic hose for ion exchanger 2000 and 4000

Water Tank

Incl. 4-m hose line, shut-off valve and flow indicator.

Water Tank

Material number	Product	Volume
51237876	Canister	10 litre
50125747	Canister	30 litre
50289857	Canister	60 litre

Accessories

Material number	Product
51250869	Wall mounting for 30 l water tank
51250870	Wall mounting for 60 l water tank

Battery-Water-Cart

This battery-water-cart is a mobile water carrier with a built-in battery operated pump.

▸ Provides a safe and convenient operation
▸ Robust and light weight

Battery-Water-Cart

Material number		Product	Suitable for
51099171	(A)	Battery-water-cart	30-litre canister

Accessories

Material number		Product
52025414	(B)	Aquamatic coupling hose
50219542	(C)	Flow indicator

Battery Watering Gun

Quick, efficient and secure filling.

Battery Watering Gun

Material number		Product	Model
51199171		Standard watering gun	Without coupling
51199172	(A)	Standard watering gun	With hose and coupling
51099745	(B)	Battery-water watering gun	With filling level limiter, integrated flow indicator and automatic stop system

Mounts and Accessories

There is a variety of equipment that will make day-to-day work in the warehouse easier. RAM Mount offers a large selection of stable yet flexible mounting solutions that enable safe and handy placement of equipment in sight of the operator.

RAM Mount Principle

The functional principle of these holders is always the same. Interlinked ball joints ensure easy positioning of the components. A strong clamp holds the rubberized ball joints. We offer RAM mount holders in three different system sizes. These differ based on the size of the connecting balls and thus of the possible load. The bigger the ball, the better it can hold heavy accessories.

Size B

▸ 1 inch
▸ For light accessories up to 0.9 kg

Size C

▸ 1.5 inch
▸ For equipment up to 1.8 kg

Size E

▸ 3.38 inch
▸ For very heavy accessories up to 11.3 kg

Size D

▸ 2.25 inch
▸ For heavy devices up to 4.5 kg

> For secure attachment of accessories in unsprung industrial trucks, in which very high accelerating forces can occur, it is recommended to choose a system one size larger than derived from the pure weight.

A working RAM mount system, no matter what system size you need, always consists of three components:
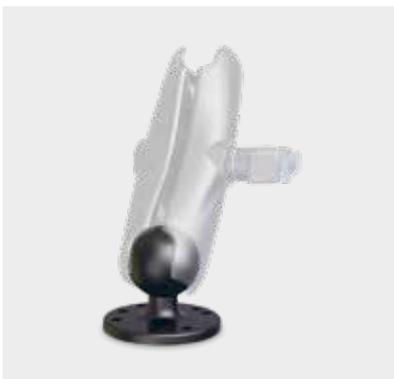
Base

▸ This ensures the attachment of the system to the vehicle or pedestrian.

Connection Arm

▸ Ensures the flexible connection of vehicle and device holder.

Device Holder

▸ Holds your accessories safe, handy and within view.

Bases

A base is the foundation for your individual RAM Mount.
They are available in different shapes and types of attachment,
whether small and round or big and angular, from fixed
mounting on a surface, to mounting around a profile, to
tool-free and flexible attachment via magnet or suction cup.
You choose what best meets your requirements.

Bases for Mounting on Smooth, Vertical or Horizontal Surfaces

Round Base (Standard)

Many round bases are equipped with holes in the
AMPS industry standard pattern (4 rectangular holes,
30 × 38 mm), as well as three additional holes at 120°.

Material number	Size	Description
51724761	B (1"-ball)	Ø 6.35 cm (2.5"), AMPS + 120°-drillings
51724762	C (1.5"-ball)	Ø 6.35 cm (2.5"), AMPS
51385943	C (1.5"-ball)	Ø 6.35 cm (2.5"), AMPS + 120°-drillings
51193757	C (1.5"-ball)	Ø 6.5 cm, M6, OTS, with Jungheinrich logo
51110348	D (2.25"-ball)	Ø 9.35 cm (3.68"), 120° / 180°-drillings
51420170	D (2.25"-ball)	Ø 6.2 cm (2.437"), AMPS
51603848	D (2.25"-ball)	Ø 6.5 cm, M6, OTS, with Jungheinrich logo
51692880	E (3.38"-ball)	Ø 9.35 cm (3.68"), 120° / 180°-drillings

Rectangular Base (Standard)

If a round base doesn't fit a rectangular base could be
the better fit.

Material number	Size	Description
51724764	B (1"-ball)	2.5 × 5 cm (1" × 2")
51724765	C (1.5"-ball)	3.8 × 6.3 cm (1,5" × 2,5")
51724766	C (1.5"-ball)	5.08 × 4.31 cm (2" × 1,7")
51724767	C (1.5"-ball)	5 × 5 cm (2" × 2")
51724768	C (1.5"-ball)	Bosch-base

Diamond Base

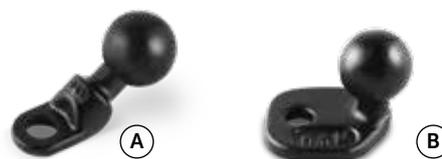The diamond base uses two diagonal holes in the
AMPS scheme.

Material number	Size	Description
51724769	B (1"-ball)	6.2 × 3.3 cm
51421964	C (1.5"-ball)	6.2 × 3.3 cm

Single Screw Base

The single screw base is the best solution for the attachment of lightweight accessories in narrow and tight spaces.

Material number	Size	Description
51724771	(A) B (1"-ball)	Drilling 9 mm
51724772	(B) B (1"-ball)	Plate 3.8 × 4.45 mm (1.5" × 1.75"), drilling 7.9 mm

Bolt Ball

A bolt ball is the most simple kind of base for your RAM mount system. The bolt ball can be easily screwed on.

(A) Male thread

Material number	Size	Description
51724773	B (1"-ball)	M6-1 × 6
51724774	B (1"-ball)	M8-1.25 × 8
51724775	B (1"-ball)	M10-1.5 × 10
51724776	C (1.5"-ball)	M8-1.25 × 10
51724777	C (1.5"-ball)	M10-1.25 × 10 (fine thread)

(B) Female thread

Material number	Size	Description
51724778	B (1"-ball)	M6 × 1
51724779	B (1"-ball)	1/4"-20

(C) Other

Material number	Size	Description
51724780	B (1"-ball)	With pre-drilled hole (Ø 8 mm)

Bases for Mounting on a Profile

Rail Base

With a rail base, you can securely attach your RAM Mount to pipes and other round profiles.

Material number	Size	Description
51716692	B (1"-ball)	For rail Ø 1.25–3.1 cm (0.5"–1.25")
51716724	B (1"-ball)	For rail Ø 1.9–3.1 cm (0.75"–1.25")
51716728	B (1"-ball)	For rail Ø 1.9–2.5 cm (0.75" –1")
51716694	C (1.5"-ball)	For rail Ø 1.25–3.1 cm (0.5"–1.25")
51716705	C (1.5"-ball)	For rail Ø 1.9–3.1 cm (0.75"–1.25")
51716697	C (1.5"-ball)	For rail Ø 3.2–4.7 cm (1.25"–1.875")
51716727	C (1.5"-ball)	For rail Ø 3.2–3.8 cm (1.25"–1.5")
51724781	C (1.5"-ball)	For rail Ø 5.1–6.35 cm (2"–2.5")
51421942	D (2.25"-ball)	For rail Ø 1.9–3.2 cm (0.75"–1.25")
51716706	D (2.25"-ball)	For rail Ø 3.2–3.8 cm (1.25"–1.5")

Bases for Mounting on a Profile

V-Shaped Base for Rails

A V-shaped base is another possibility for attaching your RAM mount to round posts.

Material number	Size	Description
51716687	B (1" ball)	For rail Ø 2.5–5.3 cm
51716690	C (1.5" ball)	For rail Ø 2.5–5.3 cm

Clamp Base

For edged profiles, use the clamp base.

▸ Includes two screws with a maximum clamping depth of 5.3 cm
▸ Greater depth thanks to longer screws

Material number	Size	Description
51716671	B (1" ball)	Span 5 cm
51716676	B (1" ball)	Span 6.35 cm
51716679	B (1" ball)	Span 7.6 cm
51716681	B (1" ball)	Span 10 cm
51716683	C (1.5" ball)	Span 6.35 cm
51716685	C (1.5" ball)	Span 7.6 cm
51716686	C (1.5" ball)	Span 10 cm
51716730	D (2.25" ball)	Span 5 cm
51716702	D (2.25" ball)	Span 6.35 cm
51716732	D (2.25" ball)	Span 7.6 cm
51716703	D (2.25" ball)	Span 10 cm
51716704	E (3.38" ball)	Span 6.35 cm

Cheese Plate

The perforated plate (cheese plate) is clamped in between the safety rails of the overhead guard and serves as an attachment point for your individual RAM mount system

▸ Several drillings in various patterns
▸ Can be flexibly equipped with several bases
▸ Full flexibility without having to interfere with a supporting structure

Material number	Size	Description
51716701	Universal	For overhead guard, without base

No bases included.
Please select bases matching your system size from our range.

Tool-Free Assembly

Suction Cup Base

Attach smaller equipment to the window of the driver's cab or other smooth and non-porous surfaces.

Material number	Size	Description
51716737	B (1" ball)	Single suction cup, 8.4 cm, with diamond base
51716745	C (1.5" ball)	Single suction cup, 8.4 cm, with diamond base
51716739	B (1" ball)	Double suction cup, with diamond base
51716754	Without base	Triple suction cup, AMPS

Magnetic Base

Three strong magnets in a protective shell of composite reliably hold the base wherever there are appropriate materials.

Material number	Size	Description
51716746	B (1"-ball)	6.35 cm (2.5")

Tough-Claw™

With a clamp base as the first link, RAM mount systems can be quickly installed without tools. The claws can be mounted to a profile, e.g. around the pillars of the overhead guard of your truck or at edges or on struts.

Material number	Size	Description
51716733	B (1" ball)	For rail Ø 1.6–3.8 cm or edges up to 2.9 cm
51716734	B (1" ball)	For rail Ø 2.5–5.6 cm or edges up to 5.7 cm
51716735	B (1" ball)	For rail Ø 2.5–4.75 cm or edges up to 4 cm
51716740	C (1.5" ball)	For rail Ø 1.6–3.8 cm or edges up to 2.9 cm
51716741	C (1.5" ball)	For rail Ø 2.5–5.7 cm or edges up to 5.6 cm

Connectors

Connectors are the real reason for the flexibility of RAM mount. They connect the vehicle-mounted base to the device holder. The sturdy design of the connectors with the typical locking screw offers almost unlimited mounting options. Choose from a variety of lengths, rigid connectors or connectors with additional joint.

Rigid Connector

These rigid connectors are available for all system sizes and in various lengths.

Material number	For size	Description
51716758	B (1" ball)	4.4 cm
51716759	B (1" ball)	7.6 cm
51716963	B (1" ball)	15.2 cm
51193759	C (1.5" ball)	8.9 cm
51193756	C (1.5" ball)	14.3 cm
51716787	C (1.5" ball)	23.2 cm
51130355	D (2.25" ball)	8.2 cm (3.2"), for 2.25" ball
51716812	D (2.25" ball)	8.2 cm (3.2"), for 2.25" ball
51130356	D (2.25" ball)	16.5 cm (6.5"), for 2.25" ball
51716964	D (2.25" ball)	16.5 cm (6.5"), for 2.25" ball
51646909	D (2.25" ball)	32.7 cm (12.875"), for 2.25" ball
51716816	E (3.38" ball)	32 cm (12.625"), for 3.38" ball
51692881	E (3.38" ball)	18.4 cm (7.25"), for 3.38" ball

The specified length is from center of sphere to center of sphere.

Connector with Joint

This special variant of the double socket arm is equipped with an additional joint in the center, which can be moved by 180 degrees. Aditionally, the two receptacles can be rotated by 360 degrees.

Material number	For size	Description
51716789	B (1" ball)	15.9 cm, with joint
51716790	C (1,5" ball)	20.7 cm, with joint

Other Connectors

You can also compile an individualised connector. Select two adapters of your system size and either one gooseneck extension or an extension pipe. For lighter devices on 1" bases, three different lengths of gooseneck connections are available. For somewhat heavier devices in 1.5" systems choose from three rigid extension pipes.

Adapter

Material number	For size	Description
51716792	B (1" ball)	1/4" NPT thread (female)
51716802	C (1.5" ball)	1/2" NPT thread (female)

Gooseneck Extension

Material number	Description
51716794	15.2 cm (6"), 1/4" NPT thread (male)
51716796	22.8 cm (9"), 1/4" NPT thread (male)
51716801	45.7 cm (18"), 1/4" NPT thread (male)

Extension Pipe

Material number	Description
51716807	30.5 cm (12"), 1/2" NPT thread (male)
51716809	45.7 cm (18"), 1/2" NPT thread (male)
51716810	61 cm (24"), 1/2" NPT thread (male)

Connection Adapter

With a connection adapter, you can connect two or three connecting arms with each other and thus obtain an even more flexible mounting.

Material number	Description
51724782	1" double ball
51724783	1.5" double ball
51724784	2.25" double ball
51724785	1" triple ball
51724786	1.5" triple ball

Antitheft

Replace the normal knob of the link arm with a Pin-Lock ™ that can only be loosened with a special locknut or a key-lockable knob.

(A) **Pin-Lock™**

Material number	Description
51724787	Pin-Lock™ security knob, for all 1" connectors
51717079	Pin-Lock™ security knob, for all 1.5" connectors

(B) **Key-Lock**

Material number	Description
51717082	Key-Lock security knob, with key, for all 1" connectors
51778389	Key-Lock security knob, with key, for all 1.5" connectors

Device Carrier

With a device carrier tray, the mount can be individually adapted. Bases and connectors can be used across the entire product range. A device carrier, however, specifically designed for a designated use and thus able to provide secure grip for accessories.

VESA Holder

Industrial PCs and monitors usually offer the option of directly mounting a VESA standard holder. Thus, no manufacturer-specific device carrier is needed.

Material number	Size	Description
51640875	C (1,5" ball)	VESA 75, 9.2 × 9.2 cm (3.625" × 3.625")
51716666	C (1,5" ball)	VESA 75/100, 12 × 12 cm (4.75" × 4.75")
51531042	D (2.25" ball)	VESA 75, 9.2 × 9.2 cm (3.625" × 3.625")
51381069	D (2.25" ball)	VESA 75/100, 12 × 12 cm (4.75" × 4.75")
51692882	E (3.38" ball)	VESA 75/100, 12 × 12 cm (4.75" × 4.75")

Tough-Tray™ for Laptop

The Tough Tray™ can be extended to the sides to fit a variety of laptops, netbooks and tablets.

▸ Secure hold through rubber grip clamps and a strong spring mechanism
▸ Clamps can be moved horizontally and vertically
▸ No blockage of keys, connectors or drives

Material number	Size	Description
51717062	Without base	Laptop holder, (W × D) 25–40 × 25 cm, with flat arms
51724788	Without base	Laptop holder, (W × D) 25–40 × 25 cm
51717023	Without base	Netbook holder, (W × D) 21.7–28.2 × 15.2 cm

An additional base in your system size is required for installation.
The holder has various holes corresponding to AMPS standard on its back.

X-Grip®

▸ Especially suitable for mobile phones and small tablets
▸ Mounting using a spring mechanism with four to eight rubberized holders

Material number	Size	Description
51716966	B (1" ball)	For 3"–4" mobile
51716968	B (1" ball)	For 5" mobile
51716970	B (1" ball)	For 7" tablet
51716994	Without base	For 10" tablet
51717019	Without base	For 12" tablet

The two X-Grip® holders without a base have prepared holes in the AMPS scheme.
The complete holder requires an additional round or diamond shaped base in your system size.

Finger-Grip™

If you do not need to quickly remove your mobile phone or radio from the holder, the Finger-Grip provides a secure solution that can be adapted to unusual housing formats.

Material number	Size	Description
51717020	Without base	Holder for mobile / radio

An additional base in your system size is required for installation.
The holder has various holes corresponding to AMPS standard on its back.

Cup Holder

This vibration compensating cup holder is suitable for carriage of drinks and other liquids.

Material number	Size	Description
51717049	B (1"-ball)	Self-leveling, without the cup

Scanner Holster

This scanner gun cradle holds all standard scanner guns.

▸ Holds all commercially available hand-held scanner guns to a width of 8.8 cm (3.47") and a length of 5.4 cm (2.16")
▸ Securely positions it using the elastomeric fins on the spot
▸ The unique open bottom design enables scanning while in the holder

Material number	Size	Description
51717051	Without base	Scanner holster

For mounting this scanner gun cradle to your RAM mount system, you need another base.
The scanner gun cradle can be attached to any AMPS hole scheme bases.

Other Device Carriers

DIN A4 Writing Board

High-quality writing board with rubber band and pen holder. Available with or without pre-mounted RAM mount "C" base.

Material number	Description
51783268	Board without RAM mount
51783279	Board with JH-RAM mount "C" (1.5" ball)

Notepad

The Multi-Pad™ is a simple little clip-on pad with magnetic pen holder.

This Handi-Case™ is a note holder, desk pad, storage box and transport box all in one.

▸ Incl. magnets and a clamp, with which notes and pens can be attached
▸ The Handi-Case™ also has various pilot holes to attach additional accessories

Material number		Description
51717033	(A)	Multi-Pad™ organiser, note and pen holder
51717056	(B)	Handi-Case™, desk pad, with storage and handle

> An additional base in your system size is needed for assembly. On the back you will find prepared holes for various bases.

Camera Holder

Cameras and a variety of other devices can be mounted with this camera holder, using a 1/4" or 3/8" screw.

Material number	Size	Description
51717047	B (1" ball)	Round, Ø 3.2 cm, 1/4"-20 screw
51717046	B (1" ball)	Round, Ø 6.3 cm, 1/4"-20 screw
51717045	C (1.5" ball)	Round, Ø 6.3 cm, 3/8"-16 screw
51717060	B (1" ball)	GoPro® Hero adapter

Glare Shield

This acrylic glare shield was precisely cut via laser.

▸ Dark green 50 percent tint
▸ Is equipped with a 1" ball (size B)

Material number	Size	Description
51717083	B (1"-ball)	8" × 13"

Other Accessories

In order to quickly fulfil the individual requirements of your forklifts and warehouse equipment without costly modifications, we are offering you a wide range of additional accessories – from abseil devices to windshield wipers.

Abseil Device

Material number	Product
51668155	Abseil device
51826431	Abseil device XL, for larger body sizes

Windshield Wipers

Windshield Wipers DFG / TFG 425 / 425s / 430 / 430s

Material number	Suitable for
50451962	Front wipers, 600 mm length
50150179	Rear wipers, 410 mm length

Windshield Wipers EFG 213–220 and 316–320

Material number	Suitable for
50052808	Front wipers, 700 mm length
51113935	Rear wipers, 450 mm length

Windshield Wipers DFG / TFG 316 / 316S / 320 / 320s

Material number	Suitable for
51045669	Front wipers, 650 mm length
51035868	Rear wipers, 350 mm length

Windshield Wipers EFG 422–430 and 535–550

Material number	Suitable for
50052808	Front wipers, 700 mm length
50306966	Rear wipers, 500 mm length

Sun Protection

Sun Visor

Material number	Suitable for
51101545	VFG 316s–435s, VFG 5

Sunblind

Material number	Suitable for
51101547	DFG / TFG 425–550s

Fuel Tank Cap

Lockable Fuel Tank Cap

Compatible with all converters and hydrostats (please check compatibility for models older than 2014).

Material number	Product
51457022	Lockable fuel tank cap

Wireless Weighing System iForks-32

When transporting incoming goods or determining shipping weights, the use of mobile weighing systems can significantly increase efficiency. Retrofitting such a system to a forklift truck is now easier than ever. The latest iForks generation enables wireless transmission of the recorded measured values via bluetooth 4.0. The weighing forks are powered by two long-lasting Li-Ion battery packs. This enables installation and commissioning of the system within a few minutes. The display is installed in the driver's cab with a RAM holder.

Benefits:

▸ Particularly flat design for perfect fitting to the forks
▸ Standard fork back for easy mounting also in combination with fork positioner
▸ Digital calibration
▸ Automatic tilt compensation
▸ Automatic maximum / overload protocol
▸ Automatic shutdown function for optimum energy management
▸ Overload warning
▸ Jungheinrich's branding

Technical details:

▸ Capacity: 2,500 kg – FEM 2A (3,000 + 5,000 kg – FEM 3 on request)
▸ Multiple range display: 1–2 kg
▸ System tolerance: 0.1 % of the lifted load
▸ Display: two-colour (green / red), digit height 22 mm
▸ 5 digits, with background lighting
▸ Protection class: IP65

Wireless Weighing System iForks-32

Material number	Product
51713273	iForks-32 forks pair

Additional Options

Material number	Type
51713147	FEM 2B forks instead of FEM 2A forks
51713148	Input 9–100 V, output 12 V; converter / regulator built into the display
51713149	Extra set of two Li-Ion batteries
51713153	Thermo printer 6 V (includes rechargeable AA batteries and charger)
51713151	Thermo Printer 12 V (mounted next to the display)
51713204	Certified design, 40–2,000 kg in 1 kg increments, from 2,000 kg to max. 2,500 kg in 2 kg increments
51713205	Bluetooth output for connection to PDA
51713207	Wi-fi module for network integration, WPA2 security protocol (not WPA2 Enterprise)
51739714	Wi-fi module in separate housing next to the display incl. WPA2 Enterprise security protocol

Click Bond

Gluing instead of drilling. Secure and durable installation of components without welding or drilling. In other words, complete flexibility without any structural alterations.

Connecting Components

Depending on the application, various connecting elements are available. Please contact us if you need a different solution.

Material number		Type
51821314	A	Stud bolt, M8 x 12 mm, 31.8 mm Ø, stainless steel
51821315	B	Stud bolt, M8 x 35 mm, 31.8 mm Ø, stainless steel
51821316	C	Stud bolt, M8 x 30 mm, 50.8 mm Ø, stainless steel
51821317	D	Stud bolt nut, M6 x 35 mm, 31.8 mm Ø, stainless steel
51821319	E	Holder for cable ties, up to 9 mm
51821320	F	Holder for cable ties, up to 5 mm

Mounting devices (included in delivery) ensure optimum adhesion and mounting consistency.

Glue

Glue is the core element of a durable bond. The CB200 glue is suitable for a variety of different surfaces. It is easy to apply and cures in no time.

Material number		Type
51821322	A	Glue CB200, 40 ml, in cartouche for approx. 20–30 applications
51821321	B	Glue CB200, 3.5 g, kit for approx. 2–4 applications

Mixing Tube

Click Bond glues are always two-component glues, where the quality of the gluing depends on a good mixing of the components. This mixing tube ensures proper and sufficient mixing with ease.

Material number	Product
51821323	Mixing cannula for dispensing gun

Dispensing Gun

In combination with the mixing tube, the dispensing gun ensures short and simple application of the glue to the holder.

Material number	Type
51821324	Dispensing gun with dispenser carriage, mixing ratio 8:1, Original Click Bond
51821325	Dispensing gun with dispenser carriage, mixing ratio 8:1, Industry-standard

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