

FOCUS ON QUALITY  
YOUR LIFT EXPERT



CATALOGUE APRIL 2022

# LIFT MODERNISATION

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## TELESCOPIC CAR APRON / TOE GUARD

1-to 3-piece car apron for different door widths intervals. Can be adjusted on project site subject to the given car measures.

The elements are all 750 mm high and have a bevelled edge at the bottom. The car apron is fixed to the car from below with sheet metal screws.

The telescopic design allows savings of time and money in the planning and calculation phase. In addition, stocking can be facilitated without the need of purchasing rare

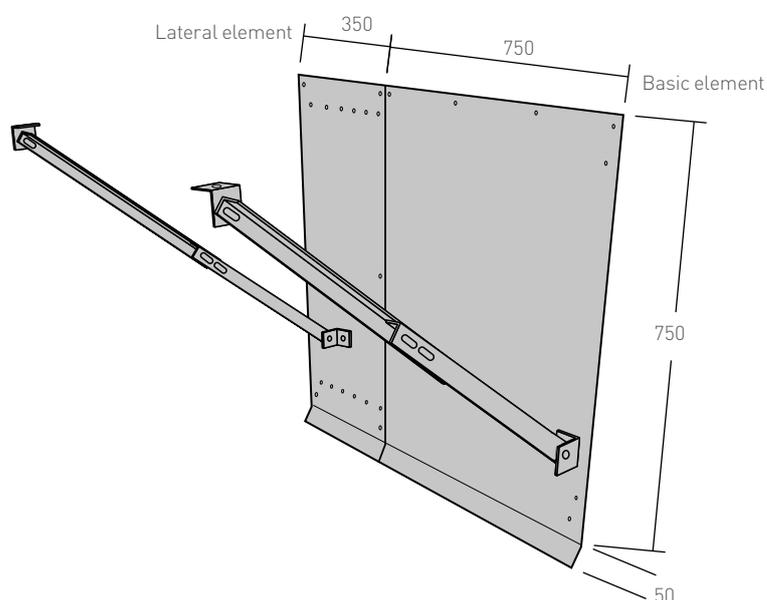
measures binding too much capital. Furthermore, quick response to customer needs in urgent cases is possible.

According to DIN EN81-20 paragraph 5.4.5

Toe guards available for door width intervals ranging from 750 mm up to 2,800 mm.

**Details:** Galvanised sheet steel; 1.5mm strength, incl. fixing material

**FURTHER DIMENSIONS AVAILABLE UPON REQUEST!**



Item No.	Description
2321075000	Telescopic car apron for door widths up to 750 mm
2321085000	Telescopic car apron for door widths up to 850 mm
2321095000	Telescopic car apron for door widths up to 950 mm
2321115000	Telescopic car apron for door widths 850 to 1,150 mm
2321145000	Telescopic car apron for door widths 1,150 to 1,450 mm
2321175000	Telescopic car apron for door widths 1,450 to 1,750 mm
2321205000	Telescopic car apron for door widths 1,750 to 2,050 mm
2321280000	Telescopic car apron for door widths 2,100 to 2,800 mm



According to DIN EN81-20 paragraph 5.4.5

## THREE-PART TELESCOPIC APRON

Vertical telescopic lift car apron for use in low shaft pits. In the case of shaft pits that are at least 400 mm deep, the required length of 750 mm can be produced by extending the telescopic apron.

The apron is not extended during normal operation and has a height of around 300 mm. The retracted apron sheets are held in place by a magnet. If released or if a power failure occurs, the apron sheets move to the required apron height automatically. The telescopic apron must then be put back in place manually by trained personnel. Thereafter, the system can be used again in normal operation. To ensure that the system functions correctly, the shaft door emergency release devices must be fitted with an additional door contact to be provided by the customer. These measures must be agreed with the responsible inspection authority.

**BENEFITS:** • High level of safety thanks to automatic deployment when the shaft door emergency release device is released in comparison with the manual solution • No impact noise when the lower halt board is hit, since it is not constantly extended • No mechanical wear • Simple manual resetting of extended apron • Position monitoring with contact switch • Several car aprons can be placed in line for greater door widths

**DETAILS:** • Height collapsed 300 mm, expanded 750 mm • Width 700 mm to 1,300 mm • 24 V supply voltage, 12 W service output, 24 W activating power • Monitoring with final position switches: 1 NC / 1 NO

Delivered in assembled state.

Item No.	Description
2323070000	Three-part telescopic apron for door widths 700 mm
2323080000	Three-part telescopic apron for door widths 800 mm
2323090000	Three-part telescopic apron for door widths 900 mm
2323100000	Three-part telescopic apron for door widths 1,000 mm
2323110000	Three-part telescopic apron for door widths 1,100 mm
2323120000	Three-part telescopic apron for door widths 1,200 mm
2323130000	Three-part telescopic apron for door widths 1,300 mm

## SHAFT DOOR APRON

The height of the element is 300 mm and has a chamfered edge on the bottom side according to DIN EN81-20 paragraph 5.2.5.3.4.

The shaft door apron is fixed with sheet metal screws which can be ordered optionally.

Shaft door widths (X) from 700 mm to 2,500 mm are available.



**Details:** galvanised sheet steel; 1,5 mm thickness, sheet metal screws optional

Item No.	Description
2322070000	Shaft door apron for door widths 700 mm
2322080000	Shaft door apron for door widths 800 mm
2322090000	Shaft door apron for door widths 900 mm
2322100000	Shaft door apron for door widths 1,000 mm
2322110000	Shaft door apron for door widths 1,100 mm
2322120000	Shaft door apron for door widths 1,200 mm
2322130000	Shaft door apron for door widths 1,300 mm
2322140000	Shaft door apron for door widths 1,400 mm
2322150000	Shaft door apron for door widths 1,500 mm
2322160000	Shaft door apron for door widths 1,600 mm
2322170000	Shaft door apron for door widths 1,700 mm
2322180000	Shaft door apron for door widths 1,800 mm
2322190000	Shaft door apron for door widths 1,900 mm
2322200000	Shaft door apron for door widths 2,000 mm
2322210000	Shaft door apron for door widths 2,100 mm
2322220000	Shaft door apron for door widths 2,200 mm
2322230000	Shaft door apron for door widths 2,300 mm
2322240000	Shaft door apron for door widths 2,400 mm
2322250000	Shaft door apron for door widths 2,500 mm

## SHAFT WALL COVERING

The Stingl shaft wall covering according to EN81-20 5.2.5.3.1 consists of flame-retardant hard foam boards in two plate thicknesses 60 and 100 mm, each with a dimension of (LxW) 1,250x600 mm. The panels can be cut with a suitable knife/saw to the desired size on site. Optionally the hard foam panels are easily and quickly fixed with suitable hard foam panel holders or with a facade adhesive (building material class B1

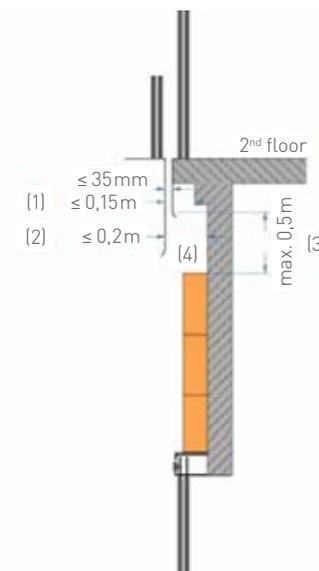
flame resistant) to the shaft wall. The horizontal distance between the inner shaft wall and the threshold must not exceed over the entire shaft height 0.15 m (1). The upper specified distance may be increased to max. 0.20 m (2), if the height does not exceed 0.50 m (3). Between two consecutive shaft doors only one recess is allowed (4).



Hard foam boards



Hard foam plate holder metal



Shaft wall covering

### HARD FOAM BOARDS

Item No.	Description	Dimensions (HxWxD mm)
23600060064	Hard foam board waffled	1250x600x60
23600060104	Hard foam board waffled	1250x600x100

### ACCESSORIES

Item No.	Description	Length
170999021	Hard foam plate holder metal	70 mm
170999022	Hard foam plate holder metal	100 mm



Hard foam board placed

## FINGER PROTECTION FOR SHEAVES AND PULLEYS

Product conforms with harmonised requirements according to DIN EN81-20 paragraph 5.5.7. Allows protection of fitters working at or near sheaves and pulleys. A left and right variant is available.

**BENEFITS:** • Telescopic design allows working with one product in different scenarios which reduces planning time and expenses • Fast installation (approx. 20 minutes per protection) leading to time and cost savings • The product protects solely the critical danger points. Fitters are not unnecessarily limited in their handling during maintenance work • Guaranteed optimal sight and access to all

parts which have to be checked • No need for dismantling during inspection work • Accessories available in case of critical fixing ground or for special measures • TÜV-conformity declaration according to DIN EN81-1:1998, §9.7 in place.

525 mm – max. height; 150 mm max. sheave width

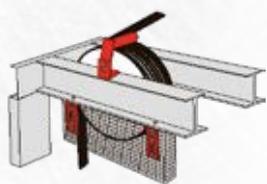
Extension parts to increase the height of the finger protection to 675 mm and to allow the covering of sheaves of max. up to 220 mm width available upon request.

**Details:** Galvanised steel, 4 mm, laser cut, high variability in height and width thanks to telescopic design, incl. fixing material



Item No.	Description
23102015001	Finger protection 525/150-01, left
23102015002	Finger protection 525/150-01, right
23104396801	Extension part for finger protection, left
23104396802	Extension part for finger protection, right
231999006	Extension part for sheave widths up to 220 mm

# 7



Scenario 1



Scenario 2

## DEFLECTION ROLLER PROTECTION FOR INCLINED CABLE OUTLET

Appropriate protective devices must be fitted on deflection roller infeeds to prevent accidents such as extremities or parts of clothing being accidentally pulled in. There are two different scenarios depending on the position of the deflection roller.

**BENEFITS:** If the deflection roller rises above the machine frame to a maximum of 10 cm (scenario 1), a tube deflector can be used to provide suitable protection • If the deflection roller is set down into the machine frame (scenario 2), a perforated plate reinforced with an L-bracket affords sufficient protection.

**DETAILS:** • In both cases, the area below the machine frame can be secured using perforated plate and the assembly brackets included in the scope of supply • This roller protection is designed for deflection rollers with an inclined cable outlet, a maximum width of 300 mm, and a maximum roller diameter of 500 mm • This deflection roller protection is not suitable for deflection rollers that rise • More than 10 cm above the machine frame!

**ATTENTION:** For deflection, the more than 10 cm above the machine frame, this protection is not suitable!

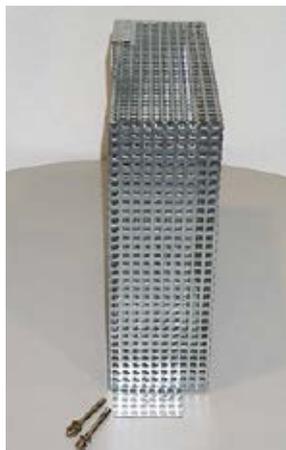
Item No.	Description
2310305001	Deflection roller protection for inclined cable outlet, max. roller width of 300 mm, max. roller diameter of 500 mm

## HOUSING FOR GOVERNOR

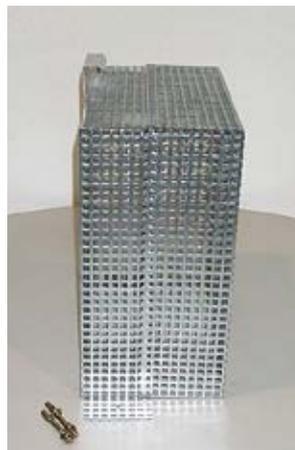
Perforated steel box, 2 parts, galvanised, optionally in two dimensions:

Item No.	Description	Measures	Telescopic Depth
23101393401	Housing For Governor	385x340 mm (HxW)	120–190 mm
23101506001	Housing For Governor	500x600 mm (HxW)	120–200 mm

The housing is adjustable in an interval of 120–190 mm and 200 mm, respectively! The housing comes with two fixing bolts.



Convenient fixing with bolts or screws



Comfortable handle





## COUNTERWEIGHT PROTECTION FOR ATTACHMENT TO THE WALL

**DESCRIPTION:** The basic kit consists of 8 galvanised steel panels (perforated) including fixing material. The covered area has a width up to 1,240mm and a depth up to 300mm.

**PANEL THICKNESS:** 1.5mm

Delivery includes c-profile channels, brackets and fixing material.

Additional panels can increase the width up to 1.600m and the depth up to 450mm.

According to DIN EN 81-20 paragraph 5.2.5.5.1, the mounting has to be done with a distance of max. 300 mm between shaft floor and the lower edge of the counterweight protection.

Item No.	Description
231999002	Counterweight protection acc. to EN 81 and EN 294 (basic kit and extension panel), width up to 1.240mm, depth up to 300mm

### ACCESSORIES

23402220001	Extension panel, 2,200x310x1.5 mm
23402220002	Extension panel, 2,200x150x1.5 mm



**Details:** Galvanised perforated steel plates (mesh width 8x8mm)

## COUNTERWEIGHT PROTECTION FOR ATTACHMENT TO GUIDE RAILS

**DESCRIPTION:** The counter-weight protection consists of two bevelled steel panels, horizontal telescopic up to a max. width of 1,250mm. The cover is fixed to the guide rail with clips. According to DIN EN 81-20 paragraph 5.2.5.5.1, the mounting has to be done with a distance of max. 300mm between shaft floor and the lower edge of the counterweight protection.

**BENEFITS:** • Prevention of accidents in the counterweight danger area • Flexible use because of variable width • Simple installation thanks to few parts

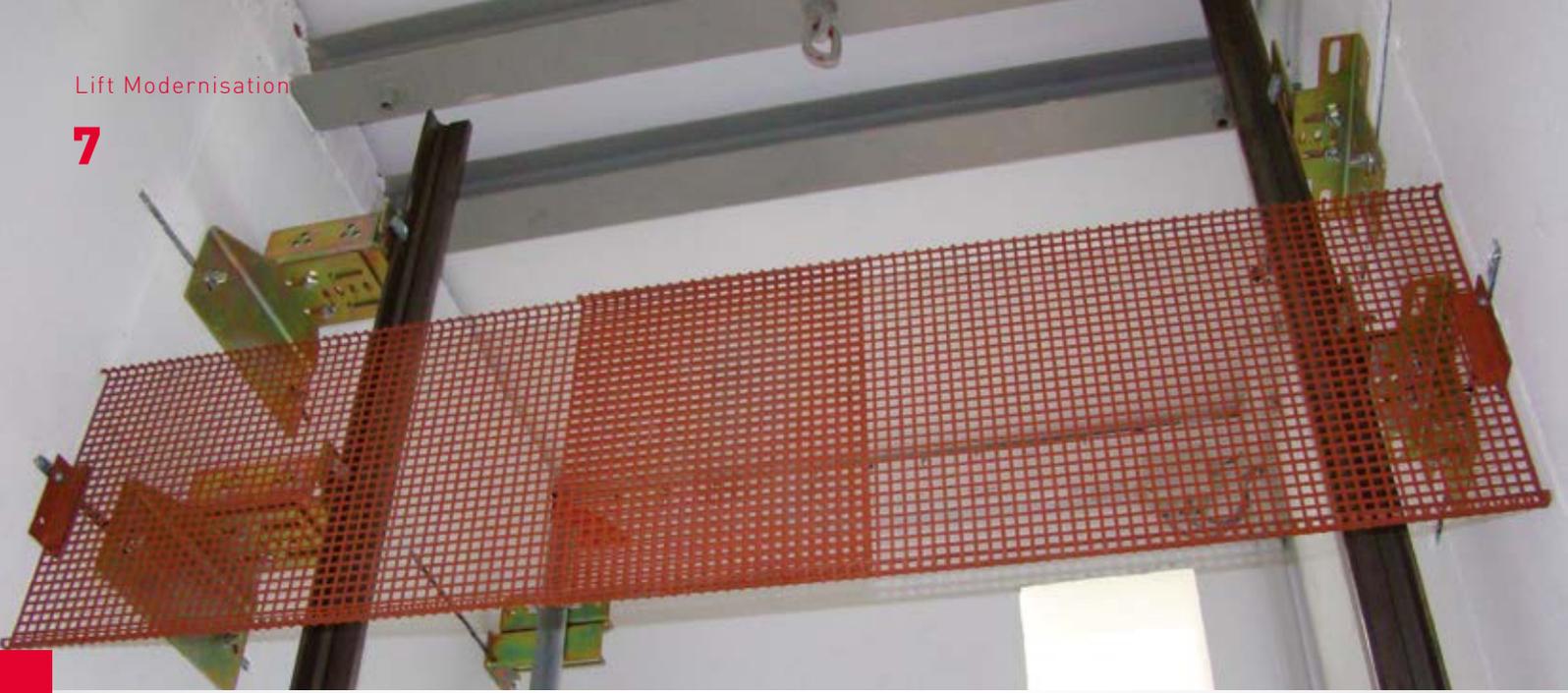
**WIDTH OF THE SINGLE ELEMENT:** 1,000mm

Delivery with fixing material.

Item No.	Description
231999003	Counterweight protection acc. to EN81 and EN294 (solid material)



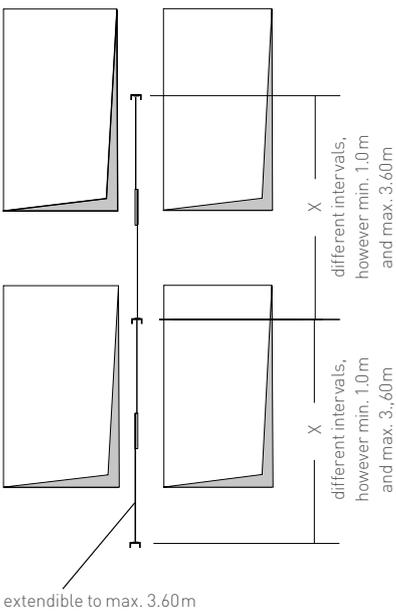
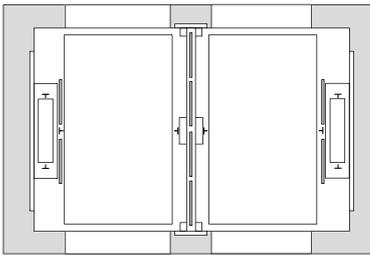
**Details:** Material steel plates made of galvanised steel 1.5mm



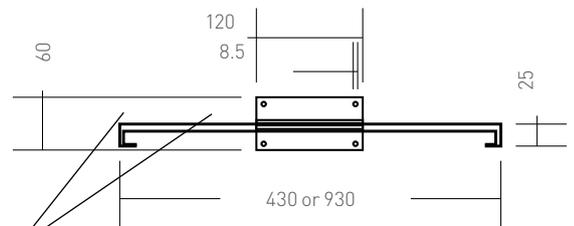
## SHAFT PARTITIONS

During modernizing installations, it may be difficult or impossible to install this wire netting because of existing equipment. In such cases, the free space between the cross beams is often the only place to insert a partition.

Because of the different gaps between the beams, it is not really possible to determine standard dimensions for partition walls. In order to cope with the different gaps between the beams, an extraction mechanism is used to modify the height of the partition wall in line with the beam gap. It is then fixed to the beam using a spot weld or bolt connection.

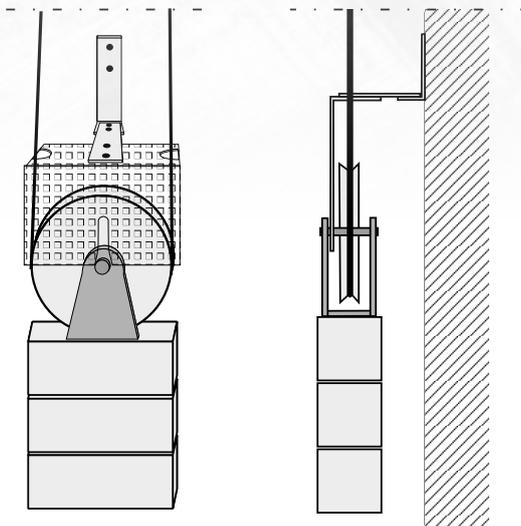


Item No.	Description	Element Width/Adjustable Intervals (mm)
0454301526	Shaft partitions type A	430/1,500–2,600 mm
0454301521	Shaft partitions type B	430/1,500–2,100 mm
0454301016	Shaft partitions type C	430/1,000–1,600 mm
0459302036	Shaft partitions type D	930/2,000–3,600 mm
0459301521	Shaft partitions type E	930/1,500–2,100 mm
0459301016	Shaft partitions type F	930/1,000–1,600 mm
0454302036	Shaft partitions type G	430/2,000–3,600 mm
0459302026	Shaft partitions type H	930/2,000–2,600 mm
0454302026	Shaft partitions type I	430/2,000–2,600 mm
0454302031	Shaft partitions type J	430/2,000–3,100 mm
0459302031	Shaft partitions type K	930/2,000–3,100 mm
0459301526	Shaft partitions type L	930/1,500–2,600 mm



A partition unit consists of two partition elements that are movable

## HOUSING FOR GOVERNOR TENSIONING-WEIGHT PULLEY



### CONCEPT 1

Protection device consisting of perforated plates, to be attached to the shaft wall. In addition, the governor tensioning weight can optionally be monitored with a switch set.

**DETAILS:** Material: galvanised steel perforated plate, 1,5 mm, mesh width of 10x10 mm • Dimensions: can be used for rollers of between 200 mm and 400 mm • Delivered with incidentals for attachment to the wall.

**BENEFITS:** • Prevention of accidents such as extremities or clothing becoming trapped • Flexible use with different roller sizes • In the case of roller sizes of up to 300 mm, the guard can also be used at high speeds • Optional additional switch set for monitoring the tensioning weight, to be attached to the floor or wall

### CONCEPT 2

Protection device consisting of bent flat steel, two-part system with brushing inserts that encompass the rope and protect the rope entry and exit points from falling objects. The system is mounted directly onto the axle support of the tensioning rope roller.

**DETAILS:** • Material: bent flat steel, two parts of galvanised steel, 1,5 mm, with brushing inserts • Dimensions: can be used for 200 mm or 300 mm rollers • Delivered without mounting parts as no additional material is required.

**BENEFITS:** • Prevention of damage from falling objects • Flexible use with different roller sizes • Casing swings along with the roller • Additional switch set for monitoring the tensioning weight can be attached to either the floor or wall

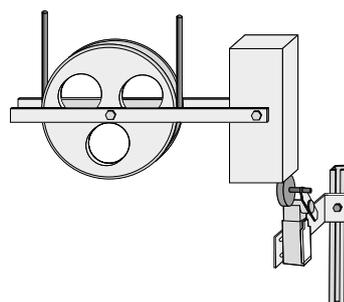
Item No.	Description
23103040001	Housing for governor tensioning weight pulley. For roller diameter from 200 mm up to 400 mm Housing: galvanised perforated steel plate <b>1</b>
23103030001	Housing for governor tensioning weight pulley. For roller diameter of 200 mm or 300 mm Housing: bent flat steel and brushing inserts <b>2</b>

## TENSIONING-WEIGHT SWITCH KIT

The tensioning-weight switch kit allows supervision of the governor tensioning weight.

The switch kit is fixed to the floor or the shaft wall with a mounting angle and a C-profile. Both, mounting angle and C-profile allow a very accurate adjustment. To reset the lever a release button has to be pulled.

Item No.	Description
231999005	Tensioning-weight switch kit for supervision of governor tensioning weight





## SWITCH CURVE WITH FINAL LIMIT SWITCH

According to EN 81-1/EN 81-2 a limit switch is required. Pursuant to DIN EN 81-2 it has to be placed in following related cylinder ram position: upper track end of the lift car.

The limit switch has to meet the following requirements: • Immediately after the car passes through the upper stop, the limit switch is activated while normal operation of the lift is still possible • The limit switch must be activated before the cylinder ram reaches the damped stop (12.2.3).

The limit switch has to respond over the entire damped stop area.

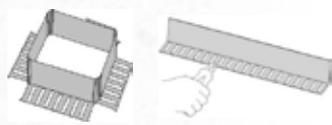
Limit switch and mounting set for guide rails are separately available or as a kit:

- Switch curve, operating length = 750 mm
- Mounting set for guide rails
- Limit switch with rubber roll
- Flexible mounting set to fix the limit switch in line or in a 90° angle.

Item No.	Description
90301000001	Magnet holder extension kit
90301000002	Magnet holder extension kit for position switch support
90302000001	Position switch with reel lever, adjustable
90302000002	Position switch with reel lever
903999001	Position switch holder for guide rail mounting
903999002	Switch curve for final limit switch, 930 mm, galvanised
903999003	Connector kit for switch curve, galvanised
903999004	Bracket kit for final limit switch, galvanised

### Application 1:

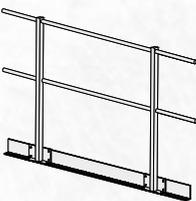
Floor edging, e.g. for ceiling openings



2 strips can be used for larger openings.

### Application 2:

Kick board, e.g. for car guard rails



## UNIVERSAL FLOOR EDGING

Galvanised L-profile with long hole perforation.

**MEASURES:** 40x100 mm, 1.200 mm length

Universal floor edging for square ceiling openings. Prevents objects from falling through openings in machine – and pulley rooms as well as foundations.

The L-profile is cut to the desired size, bent and then doweled.

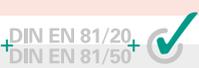
**BENEFITS:** • Simple and quick installation • Only the L-profile part with the long holes needs to be cut • Universal application

Item No.	Description
2331200050	Floor edging 1.200x50x40x1 mm
2331200100	Floor edging 1.200x100x40x1 mm

## ONE-SIDED CABIN GUARD RAILS

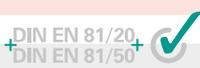
The vertical supports can be fitted on the car roof wherever space is available. Excentric positioning is possible due to the fact, that the horizontal bars are lead through the supports. Hand and knee rails can be cut down to the required size on site. The maximum length of the crossbars is 2.00 m.

**FIXED VERSION:** fully galvanised, with fixing material; **Height Variant 1:** 0.70m; **Height Variant 2:** 1.10m; **Tube diameter:** 22x2mm; **Pillars:** 40x40x2mm; Optionally the car railing can be enhanced by the addition of a toe board (edge guard), 1,200mm long and 100mm high.

Item No.	Description
0841120700	One-sided cabin guard rail fixed, 0.7m high, EN 81-20* 
0841121100	One-sided cabin guard rail fixed, 1.1 m high, EN 81-20*
0821120700	One-sided cabin guard rail fixed, 0.7m high
0821121100	One-sided cabin guard rail fixed, 1.1 m high

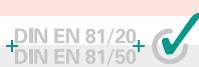


**TELESCOPIC VERSION:** fully galvanised, with fixing material, contact protection; **Height Variant 1:** 0.50 – 0.70 m; **Height Variant 2:** 0.70 – 1.10 m; **Tube diameter:** 22x2 mm; **Pillars:** 45x45x2 mm bzw. 40x40x3 mm. Individual lengths upon request!

Item No.	Description
0841240700	One-sided cabin guard rail telescopic, 0.5–0.7 m high, EN 81-20* 
0841241100	One-sided cabin guard rail telescopic, 0.7–1.1 m high, EN 81-20*
0821240700	One-sided cabin guard rail telescopic, 0.5–0.7 m high
0821241100	One-sided cabin guard rail telescopic, 0.7–1.1 m high



**FOLDABLE VERSION:** fully galvanised, with fixing material; **Height Variant 1:** 0.70m, with 2 vertical supports and 2 horizontal bars; **Height Variant 2:** 1.10m, with 2 vertical supports and 2 horizontal bars; **Length:** 0.93–1.62 m (hand and knee rails can be cut down to the required size on site). A twin contact protection ensures the surveillance of both positions.

Item No.	Description
0841130700	One-sided cabin guard rail foldable, 0.7 m high, EN 81-20* 
0841131100	One-sided cabin guard rail foldable, 1.1 m high, EN 81-20*
0821130700	One-sided cabin guard rail foldable, 0.7 m high
0821131100	One-sided cabin guard rail foldable, 1.1 m high



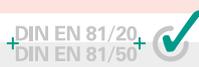
\*) incl. toe board (therefore DIN EN 81-20 conform)

## THREE-SIDED FIXED CAR GUARD RAILS

For the application on the car roof in case of a sufficient shaft head clearance. The 3-part fixed car guard rail can be mounted according to space and load conditions of the car roof. The circular horizontal bars (tube sections) can be shortened on site. The guard rail system can be combined with a 100 mm toe board or a circulating security net. The car guard rail can be fixed vertically or horizontally.

**DETAILED INFORMATION:** Round tubes made of aluminium, pipe joints fully galvanised, with fixing material • Max. length of the guard rail: 2,030mm • Max. width of the guard rail: 1,430mm • Available guard rail heights: max. height of the guard rail: 1.100mm, max. height of the guard rail: 900mm, max. height of the guard rail: 700mm

**ADVANTAGES:** • Flexible and simple mounting • Few components • Light-weight design • Minor mounting time

Item No.	Description
0842100700	Three-sided fixed car guard rail, 0.7m high, EN 81-20* 
0842101100	Three-sided fixed car guard rail, 1.1 m high, EN 81-20*
0822100700	Three-sided fixed car guard rail, 0.7m high
0822101100	Three-sided fixed car guard rail, 1.1 m high

\*) incl. toe board (therefore DIN EN 81-20 conform)



Fully galvanised pipe joints with protective cover



Vertical or horizontal fixing of the guard rail post



Closed run of the guard rail to avoid accidents

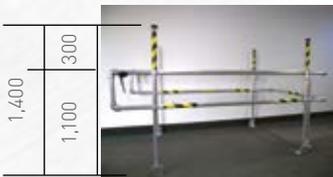




Car guard rail extracted



Car guard rail retracted



Car guard rail extracted



Car guard rail retracted

## THREE-SIDED TELESCOPIC GUARD RAILS

For the application on the car roof in case of an insufficient shaft head clearance. To enter the car roof, simply use the handle to extract the guard rail to a safe height. Fitters safely operate from the floor level.

A safety switch controls the position of the car guard rail. An inspection ride on the car roof is possible as soon as the guard rail is extended and the safety switch opens/shuts.

The car guard rail is retracted by a revision ride into the shaft head, while the shaft ceiling presses it down and locks it. The 3-part telescopic car guard rail is certified by LIFTINSTITUT and conforms to DIN EN81-1/2 8.13.3.1-4, 8.13.4 and 8.13.5.5.



The car guard rail can be fixed vertically or horizontally.

The three-sided telescopic guard rail can be fixed according to space and load conditions of the car roof.

The circular horizontal bars (tube sections) can be shortened on site.

**OPTION:** the guard rail system can be combined with a 100mm toe board or a circulating security net.

**DETAILED INFORMATION:**

- round tubes made of aluminium, pipe joints fully galvanised, with fixing material
- max. length of the guard rail: 2.030 mm
- max. width of the guard rail: 1.430 mm

### AVAILABLE GUARD RAIL HEIGHTS:

- Minimal distance between fixing point of vertical post on the car roof and shaft head ceiling: 880 mm max. height of the guard rail: 1.100 mm (without yellow-black pressure props of 300 mm length). Adjustable range of the guard rail height downwards: max. 520 mm
- Minimal distance between fixing point of vertical post on the car roof and shaft head ceiling: 765 mm max. height of the guard rail: 900 mm (without yellow-black pressure props of 300 mm length). Adjustable range of the guard rail height downwards: max. 435 mm. The minimal distance between top of the car roof and shaft ceiling must be taken into account to avoid damage when the guard rail is retracted !
- Minimal distance between fixing point of vertical post on the car roof and shaft head ceiling: 650 mm max. height of the guard rail: 700 mm (without yellow-black pressure props of 300 mm length). Adjustable range of the guard rail height downwards: max. 350 mm

The minimal distance between top of the car roof and shaft ceiling must be taken into account to avoid damage when the guard rail is retracted!

- ADVANTAGES:**
- Complete mechanical function
  - Flexible and simple mounting
  - Few components
  - Light-weight design
  - Safety switch monitoring
  - Maintenance-free
  - Minor mounting time

Item No.	Description
0842200700	3-Part telescopic guard rails, height adjustable, max. 0.7m high, EN 81-20*
0842201100	3-Part telescopic guard rails, height adjustable, max. 1.1 m high, EN 81-20*
0822200700	3-Part telescopic guard rails, height adjustable, max. 0.7 m high
0822201100	3-Part telescopic guard rails, height adjustable, max. 1.1 m high



\*) incl. toe board (therefore DIN EN 81-20 conform)



Linkage handle to extract the guard rail. Closed run of guard rail to avoid accidents



Pressing disc to retract guard rail. Vertical or horizontal fixing of the guard rail post



Safety switch to monitor the car guard rail position



Closed road course to avoid accidents



Safety switch to monitor the car guard rail position

## BOLTED-TYPE ANCHORAGE POINTS FOR PERSONAL SECURITY ACCORDING TO DIN EN 795

### SCREW FASTENING ON STEEL-SCAFFOLDINGS OR ON THE ELEVATOR CABIN

#### MAX. WORK LOAD 7.5 KN (1 PERSON)

Anchorage point made of stainless steel for M12 bolts

#### MAX. WORK LOAD 15 KN (2 PERSONS)

Anchorage point made of stainless steel for M16 bolts

Item No.	Description
01306075001	Eyelet V4A approved for 750 kg
01306075002	Eyelet V4A approved for 750 kg incl. bolt M12
01306075003	Eyelet V4A approved for 750 kg
01306150001	Eyelet V4A approved for 1,500 kg incl. bolt M16
01306150003	Eyelet V4A approved for 1,500 kg
01312013001	C-profile fixing in concrete walls compliant with DIN EN795, Travsafe

### ATTACHMENT POINTS WITH FREELY ROTATABLE RING EYELET

We offer you high-quality anchor points with a freely rotating stop eye. This allows you to move around the attachment point comfortably at work. The risk of a twisted fastener or an angled snap hook decreases significantly. In very restricted working environments, such as on the elevator car roof, this fall protection system shows its full strength.

The standard color is supplied as yellow (RAL 1003). This ensures good visibility. The different attachment points can be used dependant of the application

- screwed into a thread provided by the customer or
- on steel ground with a thickness of at least 6 mm or
- with our composite mortar WIT-VM-250 (ZU-1000) affixed directly into the concrete.

The anchor points can be stressed in all directions. Tested according to DIN EN 795 and DIN CEN / TS 16415, up to three employees are protected against dangerous falls.

Item No.	Description	
01306000001	Attachment points with freely rotatable ring eyelet for screwing in	1
01306000002	Attachment points with freely rotatable ring eyelet for counter-tightening	2
01306000003	Attachment points with freely rotatable ring eyelet for gluing	3

### ACCESSORIES

007999051	Application gun WIT
01306000004	Connecting grout for concrete and masonry
01311000002	Full body harness AX 20, EN 361
013999003	Fall arrester EN 360 with steel wire HPWS 4.5 m
01311000003	Safety gear set for the lift industry



Full body harness AX 20, EN 361



Fall arrester



Safety gear set for the lift industry



Anchorage point for 750kg, bolt



Anchorage point for 1,500kg



Aluminium anchorage point for 750kg and fixing kit



Attachment points with freely rotatable ring eyelet



Application gun WIT



Connecting grout for concrete and masonry



Anchorage point VLBG Plus

## ANCHORAGE POINTS FOR LOADS

Anchorage point for bolt fixing. Rotates through 360°. It offers a four times safety against breakage in all stress directions. Coated in pink.

### ANCHORAGE POINT VLBG PLUS

Item No.	Description	Carrying capacity (t)
01302001601	RUD anchorage point with bolt	0.63
01302002101	RUD anchorage point with bolt	1.35
01302002102	RUD anchorage point with bolt	1.35
01302002401	RUD anchorage point with bolt	2.00
01302003201	RUD anchorage point with bolt	3.50



Weld swivel 8,000kg, grade 8

## ANCHORAGE POINTS FOR WELDING

4-fold security against breakage in all directions swivel range of the link max. 180°. of load, rotatable 360°, ball-bearing. Permissible

Item No.	Description	Carrying capacity (t)
01301315001	Weld swivel	3.15, grade 8
01301800001	Weld swivel	8.00, grade 8

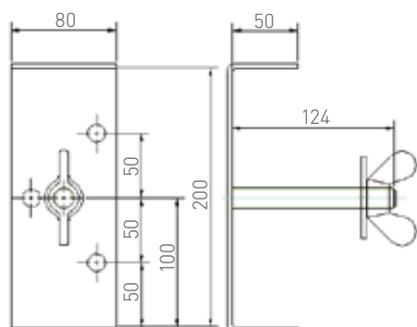


## HOLDER FOR HAND WHEELS

**DETAILS:** U-shaped flat steel with a welded threaded bar M16, galvanised, incl. wing nut M16, washer, safety contact and fixing material.

If the car has to be moved mechanically in case of maintenance or failure, the separately stored hand wheel can be removed from the holder which is equipped with a safety contact.

The holder fits different hand wheel sizes.



Item No.	Description
231999004	Holder for hand wheels

**Stingl Systems GmbH**  
Dimbacher Strasse 25  
D-74182 Obersulm-Willsbach  
Germany

Phone +49 (0) 7134 / 13797-13  
Fax +49 (0) 7134 / 13797-11

[www.stinglonline.de](http://www.stinglonline.de)  
[export@stinglonline.de](mailto:export@stinglonline.de)  
<https://shop.stinglonline.de>