

**Instruction manual and assembly
instructions, test log and installation
documentation in accordance with
DIN EN 795:2012 Class A**

Primo 27 AD



This instruction manual, including a test log, must be read before first use and kept with the equipment for its entire service life. Only persons who are familiar with this instruction manual may use the system.

Instruction manual for anchor device in accordance with DIN EN 795:2012 Class A

Type: Primo

The anchor devices, type: PRIMO are used as anchor points in fall-arrest systems for personal protective equipment against falls from a height or for use with restraint systems, and are designed to be assembled on various surfaces.

Assuming correct assembly and proper use, the anchor device (used with a suitable fall-arrest or restraint system) prevents the user from hitting the ground or from other obstacles.

The anchor devices, type: PRIMO are tested in accordance with DIN EN 795:2012.

The anchor devices may only be used in the prescribed operating conditions, and not as, e.g., transport lugs or for attaching loads.

Health impediments (e.g. heart/circulatory problems, or alcohol/medication intake) can affect the safety of the user when working at height.

The equipment may only be used by trained individuals who are confident in handling it.

A plan must be in place that covers rescue operations in all potential emergency situations.

No changes or additions may be made to the equipment without the prior written consent of the manufacturer. All maintenance may only be performed in accordance with the measures specified by the manufacturer.

Combining individual elements of this equipment can cause hazards, which can impair the safe function of the system. Therefore please ensure that the constituent parts of this system are compatible with each other.

The anchor device is designed for bearing loads in all directions parallel to the masonry.

The maximum force, which can be exerted in practice from the anchor device into the structural element, is:

- when used by one person = 6 kN
- when used by two persons = 7 kN
- when used by three persons = 8 kN

The user must inspect the equipment before use to ensure that it is in a usable condition and is functioning properly.

Caution:

For safety reasons, the anchor device must be withdrawn from use if

1. there are any doubts about its safe use (e.g., identification of damage (cracks or breakages)) or
2. the equipment has been subjected to a fall.

In this case, the use of the equipment may only be resumed with the written approval of a qualified person.

Hazards can arise that can impair the function of the equipment.

E.g.:

- Chemical influence
- Electrical influence
- Deformations
- Abrasion

In this case, the equipment must not be used!

This instruction manual is supplied with every Primo anchor device. It must be read before use and stored in close proximity to the equipment at all times.

The assembly of the anchor device is described in a separate manual.

Caution: Only original parts may be used!

Please check the roof construction before assembly, i.e., always check whether the surface is suitable for attaching the anchor device. If in doubt, contact a structural engineer.

The Primo anchor device may only be used with safety harnesses in accordance with DIN EN 361, energy absorbers in accordance with DIN EN 355 and lanyards in accordance with DIN EN 354 for fall protection, according to the instruction manual of the respective manufacturer. The lanyard should be equipped with a length adjustment in accordance with DIN EN 354. The opening of the carabiner hook must exceed 16 mm.

It is essential for safety that following a fall or when damage (cracks or breakages) are found, the product is only used again after obtaining the written consent of an expert.

The information in the corresponding instruction manual must be observed.

Load capacity

- max. three persons per anchor point (Primo)

Before each use of the Primo

A visual and functional inspection must be conducted for the following points:

- Corrosion
- Deformation
- Damage (e.g. distortion or cracks)
- Label (nameplate) present
- Wobble test (perform manually at the anchor point)
- Ring bolt secure (screwed all the way in, firm position of the ring bolt)
- Check legibility

Application:

Before entering areas where there is a risk of falling (e.g. walking on the flat roof):

Always check whether the components of the personal protective equipment against falling from a height are in order and whether they comply with that specified in this instruction manual and/or on the inspection card.

System components must be checked for completeness and correctness.

The other personal protective equipment against falling from a height must be checked for external signs of damage and for completeness before use, in accordance with the associated instruction manuals.

After entering areas where there is a risk of falling (e.g. walking on the flat roof):

The Primo anchor device can be used as a single anchor point, i.e., the person to be protected hooks the carabiner hook of his/her personal protective equipment against falling from a height directly into the eyelet of the anchor point. In this case, no more than 3 persons may be secured per eyelet.

Caution: Unlocked carabiner hooks can inadvertently release from the anchor point!

When using the Primo anchor device, the necessary clearance height below the user must be checked and guaranteed in advance. In addition, care must be taken to minimise free fall in the event of a fall. The necessary clearance height depends on the fall-arrest system components used (safety harness and lanyard), its maximum extension and the displacement of the anchor point, which corresponds to the prop height. The measurement is also determined based on the extension of the energy absorber used, as well as the displacement of the safety harness on the body (check PPE instruction manual), the height of the user and an additional one metre of safety clearance.

The permitted strain caused by building edges and the maximum usage length when using a restraint system must also be observed.

Cleaning:

Metal components must be cleaned by wiping with a cloth after use. Other cleaning methods (chemical cleaning, etc.) are not permitted.

Repairs and inspections:

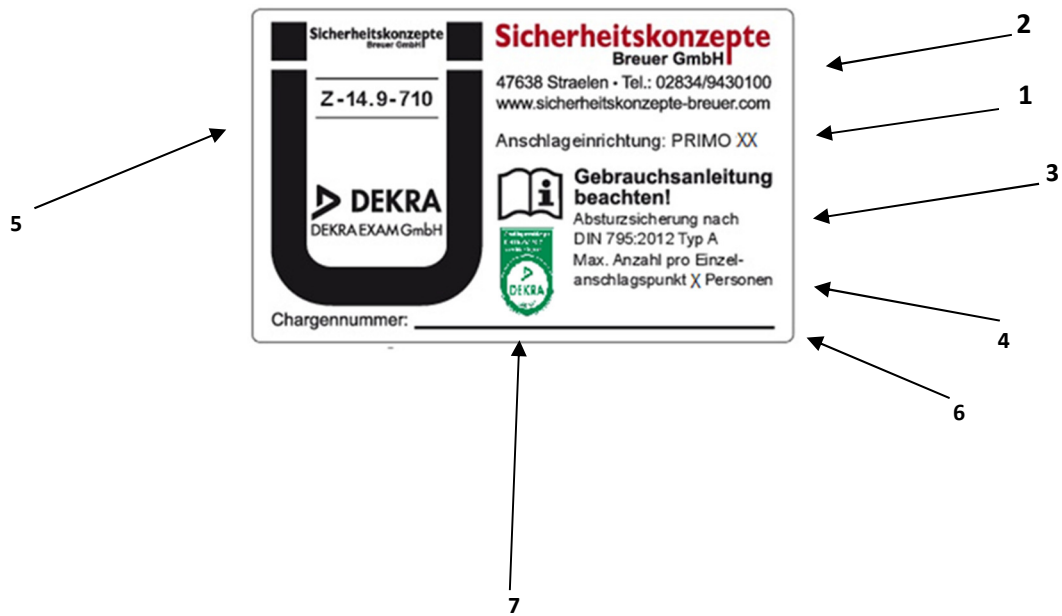
Repairs to the anchor device may only be performed by the manufacturer or an expert supplier.

The Primo anchor device must be inspected as required, however at least 1x annually, by the manufacturer or an authorised expert trained by the manufacturer, in full compliance with the manufacturer's instructions. In any case, the product label must be checked, and the findings of the inspection must be entered in the enclosed test log.

This is essential because the efficacy and durability of the equipment and thus the safety of the user depends on it.

In the event of resale to other countries, please ensure that this instruction manual is available to the user in the language of the respective country.

Meaning of the markings



1. Product designation and type designation
2. Manufacturer
3. Standard
4. Number of users
5. Batch number
6. Year of manufacture
7. Symbol to indicate that the instruction manual must be observed

Manufacturer

Sicherheitskonzepte Breuer GmbH
Broekhuysener Straße 40
47638 Straelen

Notified body involved in the type examination

DEKRA EXAM GmbH
Dinnendahlstr. 9
44809 Bochum

Maintenance log

Inspection at least once a year, to be organised by the builder.

Manufacturer:	Sicherheitskonzepte Breuer GmbH Broekhuysener Straße 40 47638 Straelen	Type designation:	Primo 27 AD
Year of manufacture:		Standard:	DIN EN 795:2012 Class A
Date of purchase:		Serial number:	
Date of first use:		Operator:	

Date	Reason for revision (periodic inspection or maintenance)	Damage found, repairs performed, etc.	Name/signature of competent person	Date of the next periodic inspection

Installation guide

Primo 27 AD

Anchor device for attaching personal protective equipment against falling from a height.

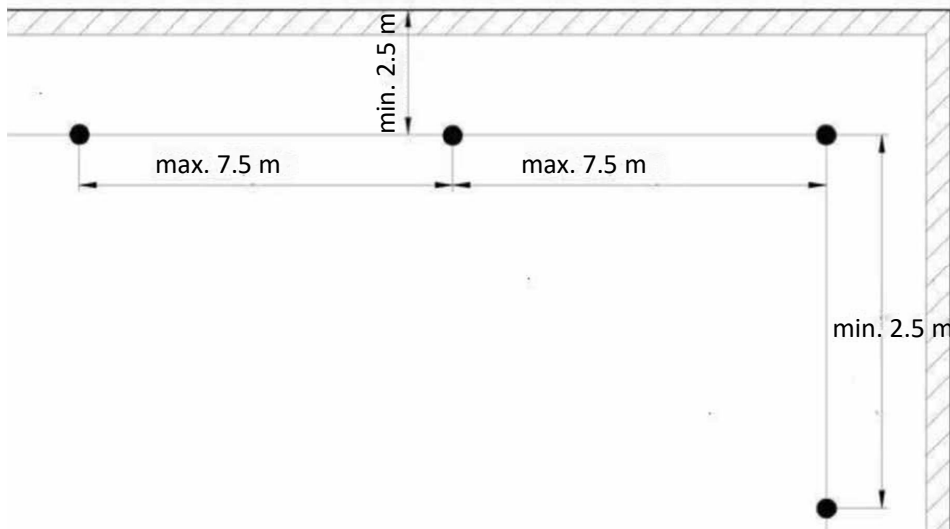
Surface:	min. concrete C 20 / 25 Min. installation thickness 100 mm
Edge distance:	650 mm to the concrete edge (not to building edge)
Tool:	Hammer drill with drill bit \varnothing 10 mm Torque spanner M 17
Fixing element:	Fischer anchor bolt FAZ II 10/10 A4

Assembly preparation

Before installing the Primo 27 AD, the load capacity of the roof construction must be checked. The technical specifications must be adhered to. The General Type Approval must be observed in planning and assembly. The maximum force, which can be exerted in practice from the anchor device into the structural element, is:

- when used by one person = 6 kN
- when used by two persons = 7 kN
- when used by three persons = 8 kN

Assembly distances for flat roof



- up to 700 mm, assemble without roof construction
- from 700 mm, assemble only with roof construction

Assembly steps

- 1 To mark the four boreholes, place the base plate on the concrete slab with an edge distance of 650 mm to the concrete edge (not to building edge)

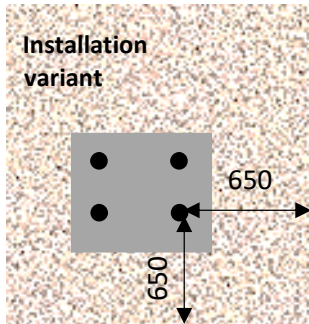


Figure 1

- 2 Bore the four \varnothing 10 mm boreholes perpendicular to the concrete surface 85 mm deep in the concrete.



Figure 2

- 3 Remove the generated dust from the concrete slab (e.g. with hand brush).



Figure 3

4. Blow-out the boreholes 2 times.



Figure 4

- 5 Place Primo 27 AD on the concrete slab and insert all four heavy-duty anchors of the anchor device and hammer in.

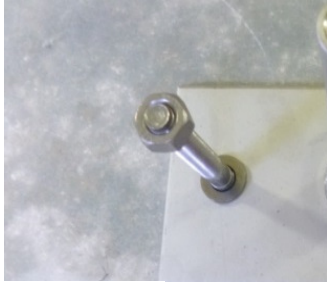


Figure 5

- 6 Screw-in the heavy-duty anchor clockwise using a torque spanner and tighten with 45 Nm.



Figure 6

- 7 Position the eyelet and screw-in clockwise. Tighten until the ring bolt cannot be manually released.

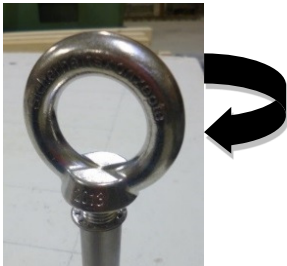


Figure 7

- 8 Only with single anchor point! To secure the eyelet, apply adhesive to the ring bolt with high-strength screw lock (e.g. Loctite).



Figure 8

Installation documentation: Fall Protection

Type: Primo 27 AD

Building

Address Order no.
Post code / Place Building type
Supplement Roof shape

Contracting authority

Address Contact person
Post code / Place Telephone

Assembly company

Address Assembler
Post code / Place Email
Telephone Extension

Building section

Component 1 expected component thickness
Component 2 expected component thickness
Material
.....

Fixing Bolt anchor FAZ II 10/10 Manufacturer Fischer

Setting data

- Setting data:
- Bore \varnothing : 10 mm
 - Minimum component thickness: Concrete min. 100 mm
 - Bore depth: 85 mm
 - Torque: 45 Nm

Borehole create with:

- Hammer drill
- Boreholes cleaned 2x
- Tightened with 45 Nm
- Drill bit \varnothing 10 mm

Roof plan

- Surface as expected
- Fixings specifications satisfied
- Manufacturer specifications fulfilled
- Nameplate present
- Screw lock used
- No extra concrete
- Building Type Approval Z-14.9-710 taken into account

Applied torque reached

Anchor point:	Nm:	Anchor point:	Nm:	Anchor point:	Nm:	Anchor point:	Nm:	Anchor point:	Nm:
1		10		19		28		37	
2		11		20		29		38	
3		12		21		30		39	
4		13		22		31		40	
5		14		23		32		41	
6		15		24		33		42	
7		16		25		34			
8		17		26		35			
9		18		27		36			

Rough sketch, roof plan (see attachment)

Photo documentation (see attachment)

Remarks

Date

Assembly Company

Signature Assembler

Manufacturer

Breuer Sicherheitskonzepte GmbH
Broekhuysener Straße 40
47638 Straelen



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Instruction manual and assembly instructions, log book
and installation documentation in accordance with DIN EN 795:2012 Class A
Primo 27 AD