Manual
for Installation
and Maintenance
of
Anchorage Device „Söll - safety ring“

complying withEN 795

Part No: SR-90° / 180° / 270° / 360°
for diameter 60 - 1300 mm

Serial number: _____

Date of manufacture: _____

(The following must be completed by the operator in permanent waterproof ink.)

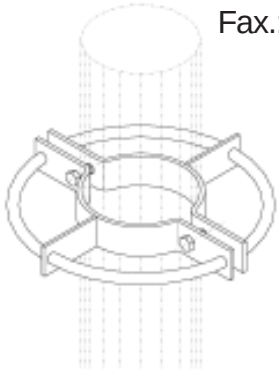
Date of initial operation: _____

Operator/user: _____

Street: _____

Place: _____

Tel.: _____ Fax.: _____



Date: 31.07.2009
SE 34

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Notice!
In this issue the following has been changed: logo

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A Safety precautions

A 1. Every person, who works with the „Söll-safety ring“, must comprehend this manual before use.

Actions deviating from this manual pose a risk to human life!

A 2. The operator of the fall protection system must ensure that these instructions are either
- retained in a dry and secure condition at the installation or
- retained by the operator, whereby he or she must ensure that the user is aware of the storage location of these instructions and that the documents are accessible at all times.

A 3. The operator must produce these instructions on demand by the manufacturer of the Söll „Multi Rail“ end stop device (Söll GmbH or one of their authorised dealers).

A 4. National regulations on accident prevention and use of safety equipment for construction work must be adhered to.

A 5. The „Söll-safety ring“ should only be used in combination with a safety harness as per EN 361.

A 6. The respective instructions must be observed when using other personal protective equipment.

A 7. Functional capability must be checked visually before and during each use. The tightening torque (60 Nm) of fixing screws must be checked as per the requirement (e.g. after longer interruptions in work) as otherwise safe functioning is not ensured.

A 8. The „Söll-safety ring“ has been designed in such a manner that 6 persons can use it simultaneously.

A 9. The „Söll-safety ring“ should always be fit above the user.

A10. The system has been tested and approved by "Stelle 0158: DEKRA EXAM GmbH, Zertifizierungsstelle, Dinnendahlstraße 9, 44809 Bochum

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B Installation

B 1. **The assembly kit consists of:**

- Söll-safety ring 90°
  - ➢ One clamp with a 90° segment
  - ➢ One counter clamp

or

- Söll-safety ring 180°
  - ➢ One clamp with a 180° segment
  - ➢ One counter clamp

or

- Söll-safety ring 270°
  - ➢ One clamp with a 90° segment
  - ➢ One clamp with a 180° segment

or

- Söll-safety ring 360°
  - ➢ Two clamps with a 180° segment

and

- Two M16 hexagon head screws with nuts and U-washer

B 2. **Suitable tools for easier assembly / installation**

- 2 fork spanner SW 24
- 1 torque spanner

B 3. **Personnel required for installation**:
two persons

B 4. **Assembly / installations instructions**

- Treat components with care and do not throw them.
- Do not use damaged parts, do not repair them but replace them by new parts.

B 5. **Assignment of the mast diameter to the clamp diameter in mm**

It is selected as per the following table:

Mast-Ø	Clamp-Ø
55 - 64	60
65 - 74	70
75 - 84	80
85 - 94	90
95 - 104	100
: :	: :
1275 - 1284	1280
1285 -1294	1290
1295 - 1300	1300

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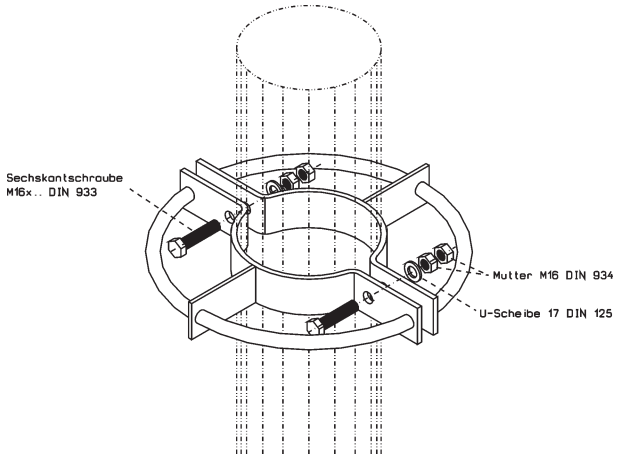
Fig. 1

B 6. Fitting the „Söll-safety ring“:

Note:
The „Söll-safety ring“ is suitable on hot-dip galvanised steel masts and concrete masts for protection.

Fig. 1



B 7. Tightening torque
Tightening torque of at least 60 Nm is required for tightening **M16** fixing screws.

B 8. Verification after installation
It must be ensured that **the clamp diameter has been selected correctly as per the mast diameter** and the screws have been tightened using the prescribed torque. Screws must be secured using the provided locknuts.

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C Use

Caution:
The „Söll-safety ring“ should not be used when the defects are recognisable or if it has been stressed after a fall. It should not be used till an expert approves further use.

C 1. Should only be used with a safety system (EN 363) or a holding system (EN 358) for operations not involving the risk of a fall!

C 2. The following can be used as coupling elements:
- Safety cable with a fall arrester as per EN 355

Important
The fall arrester must always be located at the side of the body.

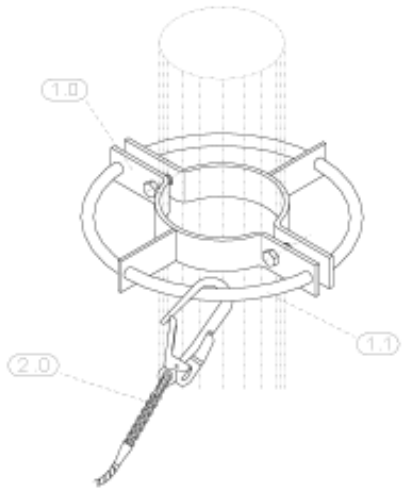
- A moving safety device with a flexible guide, where only such devices should be used for which the manufacturer ensures functionality even in the intended load direction.

C 3. **Note**
The length of the coupling element or the flexible guide must be selected in such a manner that the impact on the floor or the impact of the user on other obstructions is avoided. (The user information provided by the manufacturer must be followed for this purpose.)

Fig. 2

C 4. Securing at the „Söll-safety ring“
Insert the coupling element (2.0) into the outer ring (1.1) of the „Söll-safety ring“ (1.0) using a snap hook.

Fig. 2



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C 5. Caution!
Loosen the coupling element (2.0) from the outer ring (1.0) only if protection against falling has been ensured by other means.

D Maintenance

Independent repair work on the guide rails is not encouraged for reasons of safety. Mechanically damaged guide rails, e.g. after a fall, must be exchanged!

Any kind of structural modifications are strictly prohibited!

An end stop device damaged by, for instance, a fall must be taken out of service immediately. This situation must stay like that until a specialist has declared the end stop device as serviceable or until the part damaged by a fall has been replaced on the advise of a specialist.

Ask an expert to inspect the "Söll retaining ring" anchorage device regularly as per requirement, however at least once every 12 months, by taking the manufacturer's specifications as well as statutory regulations, usage and operating conditions into account.

Note:
If the device has not been used for a period longer than one year, ask an expert to inspect the device before reusing it.

Regular inspections are essential since users' safety depends on the effectiveness and durability of the device.

A specialist is:
„A person who, in view of his or her specialist training and experience, has sufficient knowledge in the field of personal safety equipment as protection against inadvertent falling and who is familiar with the current and valid government safety at work regulations, prevention of accident regulations, directives as well as all generally recognised technical rules and regulations (e.g. DIN EN standards, DIN standards, technical rules and regulations of other member states of the European Union or other contractual states participating in the agreement outside the EEC) to the extent that he or she can evaluate the safe working conditions and correct application of personal safety equipment designed to protect against inadvertent falling."

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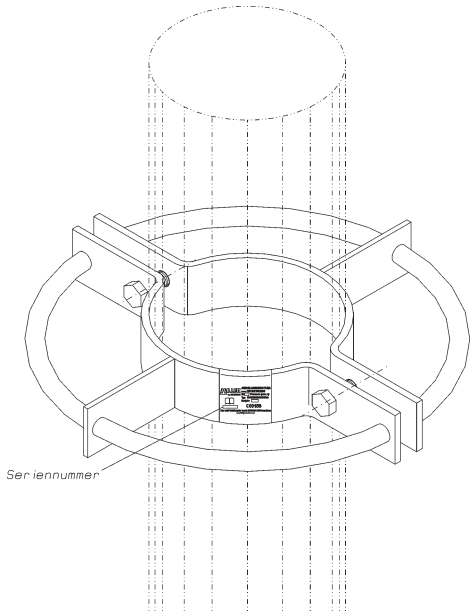
The M16 screws must be tightened with a tightening torque of at least 60 Nm and secured using locknuts.

Fig. 3
The identification plate is affixed on one of the clamp halves and it contains the following information:

- Manufacturer, supplier or importer of the end stop device
- Type designation
- Number of users
- Date of manufacture
- Serial number
- Note: „Use the end stop device only with a fall arrester as per EN 355“

Fig. 3



Caution!
The identification plate must always be available.

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E Acceptance checklist

Both sides of this check list must be filled in by the site manager of the construction company, using an indelible pen. The construction company site manager is responsible for the accuracy of the statements. Points checked but which still show faults or deviations must be specified in the column „Space for remarks“ on the second page.

checking activities:

- ☐ Damaged parts have not been used.
- ☐ Only anti-corrosive parts and screw joints have been used.
- ☐ M16 screws have been tightened with a torque of at least 60 Nm.
- ☐ Screws have been secured using locknuts.
- Identification plate is available
  ☐ yes ☐ no
- ☐ No faults were noted.
- ☐ These instructions have been handed over to the operator
- Only original components from Sperian Fall Protection Deutschland GmbH & Co. KG were used.
  ☐ yes ☐ no

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Installation Site: _____

Owner:	_____	**Installing company:**	_____
Street:	_____	**Street:**	_____
City:	_____	**City:**	_____
Telephone:	_____	**Telephone:**	_____
Fax:	_____	**Fax:**	_____

Manual handed over to: _____

name (site operator or representative) signature

Chief engineer of the installing company: _____

name signature

Place: _____ Date: _____

Defects, irregularities and deviations from the checklist must be noted here:

Noted defects/shortcomings	competent person/installer	signature	date

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