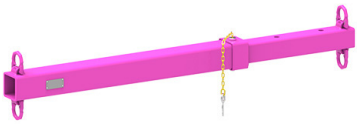
EN

spreader bar VSRS/ VSRV

Safety instruction

The safety instruction/ declaration of the manufacturer has to be kept on file for the whole lifetime of the product.
Translation of the original instruction.



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spreader bar VSRS/ VSRV

EG-Konformitätserklärung

entsprechend der EG-Maschinenrichtlinie 2006/42/EG, Anhang II A und ihren Änderungen

Hersteller: **RUD Ketten**
Rieger & Dietz GmbH u. Co. KG
Friedensinsel
73432 Aalen

Hiermit erklären wir, dass die nachfolgend bezeichnete Maschine aufgrund ihrer Konzipierung und Bauart, sowie in der von uns in Verkehr gebrachten Ausführung, den grundlegenden Sicherheits- und Gesundheitsanforderungen der EG-Maschinenrichtlinie 2006/42/EG sowie den unten aufgeführten harmonisierten und nationalen Normen sowie technischen Spezifikationen entspricht.
Bei einer nicht mit uns abgestimmten Änderung der Maschine verliert diese Erklärung ihre Gültigkeit.

Produktbezeichnung: Strebe (ohne Gehänge)
VSRV / VSRS

Folgende harmonisierten Normen wurden angewandt:

DIN EN 1677-1 : 2009-03	**DIN EN ISO 12100 : 2011-03**

Folgende nationalen Normen und technische Spezifikationen wurden außerdem angewandt:

BGR 500, KAP2.8 : 2008-04	**DIN 15428 : 1978-08**

Für die Zusammenstellung der Konformitätsdokumentation bevollmächtigte Person:
Reinhard Smetz, RUD Ketten, 73432 Aalen

Aalen, den 27.06.2014 Dr.-Ing. Arne Kriegsmann (Prokurist/QMB)
Name, Funktion und Unterschrift Verantwortlicher

EC-Declaration of conformity

According to the EC-Machinery Directive 2006/42/EC, annex II A and amendments

Manufacturer: **RUD Ketten**
Rieger & Dietz GmbH u. Co. KG
Friedensinsel
73432 Aalen

We hereby declare that the equipment sold by us because of its design and construction, as mentioned below, corresponds to the appropriate, basic requirements of safety and health of the corresponding EC-Machinery Directive 2006/42/EC as well as to the below mentioned harmonized and national norms as well as technical specifications.
In case of any modification of the equipment, not being agreed upon with us, this declaration becomes invalid.

Product name: Spreader bar
VSRV / VSRS

The following harmonized norms were applied:

DIN EN 1677-1 : 2009-03	**DIN EN ISO 12100 : 2011-03**

The following national norms and technical specifications were applied:

BGR 500, KAP2.8 : 2008-04	**DIN 15428 : 1978-08**

Authorized person for the configuration of the declaration documents:
Reinhard Smetz, RUD Ketten, 73432 Aalen

Aalen, den 27.06.2014 Dr.-Ing. Arne Kriegsmann (Prokurist/QMB)
Name, function and signature of the responsible person

Please read user instruction before initial operation of the spreader bar. Make sure that you have comprehend all subjected matters.
Non observance can lead to serious personal injuries and material damage and eliminates warranty.

1. Hints

- You must follow these operating instructions!
- Follow the notes specified in the operating instructions to ensure that the load-suspension equipment achieves its transportation tasks.

2. Intended use

The support must be used only to attach and lift (transport) loads.

3. The following is not permitted:

- The permitted load capacity must not be exceeded
- Persons must not be lifted
- Persons must not stand underneath the suspended load
- The load must not be dragged
- Fixed and jammed loads must not be broken away using a crane
- The load-suspension equipment must not be subject to shocks or impacts
- Heat treatment or welding work on the load-suspension device is not permitted
- The equipment must not be used under exposure to acids, alkalis and their vapours

4. General provisions

- EU Machinery Directive, see Directive 2006/42/EC
- German industrial safety regulations (Betriebssicherheitsverordnung – BetrSichV)
- German workplace guidelines for health and safety at work (“Berufsgenossenschaftliche Vorschrift für Sicherheit und Gesundheit bei der Arbeit” BGV A1)
- „Operation of load-suspension equipment in lifting operations (“Betreiben von Lastaufnahmeeinrichtungen im Hebezeugbetrieb” BGR 500 (DGUV-rules 100-500)) (German social accident insurance (DGUV) rules 100-500)
- Standard DIN EN 13155 “Crane - Non-Fixed Load Lifting Attachments”

5. Commissioning

- Ensure that the loading bearing equipment is tested by a specialist before the initial commissioning.
- Check whether the manufacturer‘s certificate and declaration of conformity are available.
- Before using the support, fit a suitable 2-strand lashing chain to the top connecting components and suitable chains with terminal components to the bottom connecting parts. You must especially ensure that the load carrying capacity and quality grade of all of the chains and terminal components are correct.

6. Useage

- Only trained and instructed personnel are permitted to operate the load-suspension equipment.
- When using load-suspension equipment, you must comply with the provisions of BGR 500, chapter 2.8 (DGUV rules 100-500), the German industrial safety regulations (BetrSichV), BGV A1 and the relevant country-specific provisions (outside of Germany).
- When attaching loads, ensure that the load‘s centre of gravity is below the suspension point on the crane.
- When attaching the load, ensure that the chain strands are not twisted and their edges are not subject to loads.
- Observe the maximum load bearing capacity of the load-suspension equipment, which is noted on the type plate.
- Observe the maximum load bearing capacity of the connection elements that are used (chains, wire ropes, etc.).
- The use of the VSRS/ VSRV load-suspension equipment is restricted to a temperature range of -20°C to +100°C at full load-bearing capacity.
- Only parts with symmetrical loads can be attached, otherwise the load and load-suspension equipment is imbalanced and there is a risk that the load may slip out.
- The load must be symmetrically attached to at least 3 hooks on the spreader bar.
- When attaching the load, the crane and lifting hooks and the points of force introduction on the load-suspension equipment must be arranged vertically and symmetrically above the load‘s centre of gravity so that the load does not swing when it is lifted.

7. Testing criteria

- Load-suspension equipment must be tested by a specialist at least once a year in accordance with BGR 500, chapter 2.8 (DGUV rules 100-500) and, when outside Germany, in accordance with the applicable provisions in the relevant country.
- Additional tests may be required depending on the conditions of use and operating conditions or as extraordinary testing in accordance with the German regulations for operating load-suspension equipment in lifting operations (“Betreiben von Lastaufnahmeeinrichtungen im Hebezeugbetrieb” BGR 500, chapter 2.8, point 3.15.3 (DGUV rules 100-500).

8. Inspection criteria

Observe and control the following points before each initial operation, in regular time intervals, after the as-sembly and after special incidents:

- Completeness of the spreader bar
- Complete, readable WLL statements as well as manufacturer sign
- Deformation at load bearing components
- Mechanical damage, like strong notches, especially in areas where tensile stress occurs
- Reduction of cross-section due to wear >10 %
- Cracks or other damages at weld seam
- strong corrosion

HINT

Wrong assembled or damaged lifting means as well as improper use can lead to personal injury or property damage when load falls down.

9. Maintanance

- Wear and standard parts that are easy to change can be replaced by the operator in accordance with the manufacturer‘s instructions. Only original RUD parts can be used!
- Changes and modifications can be performed only with the written approval of the manufacturer!

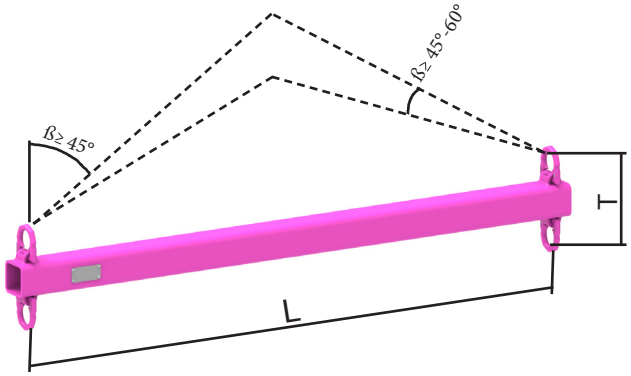
10. Repairs and maintenance

- Repair work can be performed only by specialists in accordance with the manufacturer‘s instruction.
- Plastically deformed components must generally be replaced by requirement of the manufacturer‘s user declaration. In this case of overloading an inspection of the weld seams in regard of cracks must be carried out by using a magnetic particle inspection (EN 473, EN 960).
- It´s only allowed to use original RUD- spare parts.

11. Storage

Please store lifting means safely, and protect them against atmospheric exposures and agressive media.

VIP- bar VSRS

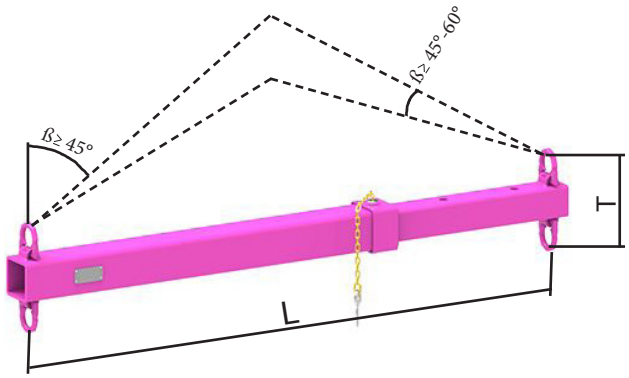


chain	designation	usable lenght L	T	Working load limit WLL 0-45°	45°-60°	bar [kg/pc.]	article-no.
6	VSRS-6	500-4000 mm	190	2100	1500	depends on usable lenght L	8600110
8	VSRS-8	500-5000 mm	240	3500	2500		8600111
10	VSRS-10	500-5000 mm	320	5600	4000		8600112
13	VSRS-13	1000-5000 mm	350	9500	6700		8600113
16	VSRS-16	1000-5000 mm	250	14000	10000		8600114
20	VSRS-20	1000-5000 mm	285	22400	16000		8600115
22	VSRS-22	1000-5000 mm	290	28.000	20000		8600116

table 1

Subject to technical alterations.

VIP- bar VSRV



chain	designation	usable lenght L	T	Working load limit WLL 0-45°	45°-60°	bar [kg/pc.]	article-no.
6	VSRV-6	1500-4000 mm	190	2100	1500	depends on usable lenght L	8600120
8	VSRV-8	1500-4000 mm	240	3500	2500		8600121
10	VSRV-10	1500-4000 mm	320	5600	4000		8600122
13	VSRV-13	1500-4000 mm	350	9500	6700		8600123
16	VSRV-16	1500-4000 mm	250	14000	10000		8600124
20	VSRV-20	1500-4000 mm	285	22400	16000		8600125
22	VSRV-22	1500-4000 mm	290	28.000	20000		8600126

table 2 Subject to technical alterations.

ATTENTION!
Size 6-13mm: VLBS for upper and lower connection.
Size Gr. 16-22mm: steel sheet for VV-GSCH assembling for upper and lower connection.