

# VIP Containerhaken >VCH 10 t / 12,5 t<



## Assembly instruction

This assembly instruction must be kept filed during the whole user period.

**TRANSLATION of the original assembly instruction**

This assembly instruction is valid in addition to the safety instructions for RUD Sling chains (ICE-No. 7995555 or VIP-No. 7101649).



VIP-Container hook  
VCH-10 t / 12.5 t



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RUD-Art.-Nr.: 7908184-EN / 01.017



Simple inspection, administration and documentation of work equipment and components which must be inspected regularly

**EG-Einbauerklärung**

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

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

Hiermit erklären wir, dass die nachfolgend bezeichnete unvollständige Maschine den grundlegenden Anforderungen der Maschinenrichtlinie 2006/42/EG (Anhang 1) entspricht. Die nachfolgend bezeichnete unvollständige Maschine darf, in der gelieferten Ausführung erst dann in Betrieb genommen werden, wenn festgestellt wurde, dass die Maschine, in die diese unvollständige Maschine eingebaut werden soll, den Anforderungen der EG-Maschinenrichtlinie 2006/42/EG entspricht.

**Produktbezeichnung:** Containerhaken  
VCH / CH

Folgende harmonisierten Normen wurden angewandt:

<u>DIN EN 1677-1 : 2009-03</u>	<u>DIN EN ISO 12100 : 2011-03</u>
_____	_____
_____	_____
_____	_____

Folgende nationalen Normen und technische Spezifikationen wurden außerdem angewandt:

<u>BGR 500, KAP2.8 : 2008-04</u>	_____
_____	_____
_____	_____
_____	_____

Die speziellen Unterlagen zur unvollständigen Maschine nach Anhang VII Teil B wurden erstellt und werden auf begründetes Verlangen in geeigneter Form übermittelt.

Für die Zusammenstellung der Konformitätsdokumentation bevollmächtigte Person:  
Michael Betzler, RUD Ketten, 73432 Aalen

Aalen, den 26.09.2016      Dr.-Ing. Arne Kriegsmann (Prokurist/QMB)  
Name, Funktion und Unterschrift Verantwortlicher      *Arne Kriegsmann*

**EC-Mounting declaration**

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

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

We hereby declare that the following incomplete machines correspond to the basic requirements of the Machinery Directive 2006/42/EC (annex 1). The following incomplete machine, in the delivered machine, may only be put into operation when the machine in which the incomplete machine shall be assembled, has been tested according to the requirements of the EC-Machinery Directive 2006/42/EC.

**Product name:** Container hook  
VCH / CH

The following harmonized norms were applied:

<u>DIN EN 1677-1 : 2009-03</u>	<u>DIN EN ISO 12100 : 2011-03</u>
_____	_____
_____	_____
_____	_____

The following national norms and technical specifications were applied:

<u>BGR 500, KAP2.8 : 2008-04</u>	_____
_____	_____
_____	_____
_____	_____

The special documents about the incomplete machine according to annex VII part B have been created and can be handed over in a suitable form on request.

Authorized person for the configuration of the declaration documents:  
Michael Betzler, RUD Ketten, 73432 Aalen

Aalen, den 26.09.2016      Dr.-Ing. Arne Kriegsmann (Prokurist/QMB)  
Name, function and signature of the responsible person      *Arne Kriegsmann*



Please read user instruction carefully before initial operation of VCH 10 t / 12.5 t.

Make sure to understand all volumes. Non-observance of this user's manual can lead to serious physical injury and property damage and eliminates warranty.

## 1 Safety instructions



### ATTENTION

Wrong assembled or damaged lifting means as well as im-proper usage can lead to physical injury and damage of property while failing.  
Inspect lifting means before each use carefully!

- Use VCH 10 t / 12.5 t only at an angle bigger than 30° and up to 60° at the max. A self-release during the lift is hereby not possible.
- Consider extreme circumstances or shock loading when choosing the utilised product.
- Please observe the correct WLL correlation.
- The VIP-Container hook VCH 10 t / 12.5 t must only be used by competent and trained persons, considering the BGR 500 standard, chapter 2.8 (DGUV-rules 100-500), and out-side Germany acc. to the country specific requirements.

## 2 Intended use

VIP container hooks VCH 10 t / 12.5 t must only be used for the manufacturing or assembly of lifting means in combination with chains and components of the corresponding WLL.

They are intended to be used as end fittings for the connection with ISO Container edges. VCH 10 t / 12.5 t must only be used only at an angle bigger than 30° and up to 60° max.

The VIP-Container hook VCH 10 t / 12.5 t must only be used in the here described usage.

## 3 Assembly- and instruction manual

### 3.1 General information

- Capability of temperature usage:  
When used in temperatures higher than 200°C the WLL of the VIP-Container hook VCH 10 t / 12.5 t must be reduced as follows  
-40°C up to 200°C no reduction  
200°C up to 300°C minus 10 %  
300°C up to 400°C minus 25 %  
Temperatures above 400°C are prohibited!
- If used in combination with ICE-slings, WLL-parameters of the ICE-program must be observed.
- VIP-Container hook VCH 10 t / 12.5 t must not be used together with aggressive chemicals, acids and vapours.

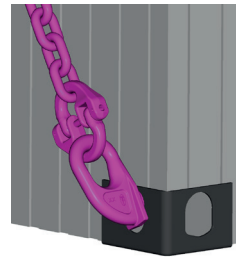
### 3.2 Hints for the assembly

At the VIP container hook VCH 10 t / 12.5 t VIP chains can be connected by using the following components:

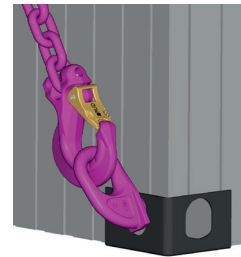
- VIP connecting link VVS 16 (see picture 1)
- VIP end fitting f.e. VIP-Cobra clevis hook VCGH 16 (see picture 2)

At the VIP container hook VCH **12.5 t** also ICE chains can be connected by using the following components:

- ICE-connecting link IVS 16
- ICE-Star-Hook ISH 16



Pic. 1: VCH 10 t / 12.5 t with VVS 16 / IVS 16



Pic. 2: VCH 10 t / 12.5 t with VIP-Cobra hook / ICE-Star-Hook



### HINT

Please pay attention to the correct WLL classification during selection and assembly.

### 3.3 Hints for the usage

- Control frequently and before each operation the total lifting mean in regard of ongoing ability, strong corrosion, wear, deformation etc. (see chapter 4 *Inspection criteria*).



### ATTENTION

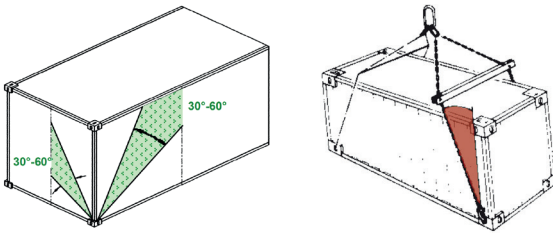
Wrong assembled or damaged lifting means as well as improper usage can result in serious physical injury and property damage when load drops.  
Inspect lifting means before each use carefully!

- The VCH 10 t / 12.5 t is **not designed** to be used for **vertical lifts** of ISO-Containers.
- Use VCH 10 t / 12.5 t **only** at an angle **bigger than 30° and up to 60° at the max.** A self-release during the lift is hereby not possible.



### HINT

Usage outside this angle range is prohibited (see picture 3).



Pic 3: Field of application between 30° and 60°

- Make sure that the VCH 10 t / 12.5 t is locked in the ISO-container edges when container will be lifted.
- Leave hazardous area when possible.
- Watch always your attached loads.
- Read for the complete lifting mean RUD sling chain safety instructions.

### 3.4 Hints for the regularly testing

Check by an experienced competent person in time periods depending on the frequency at least 1x per year, the ongoing usage of the lifting means (see chapter 4 Inspection criteria).

Depending on the conditions of use, e.g. increased wear or corrosion, it might be necessary that inspections must to be made in shorter time intervals than one year.

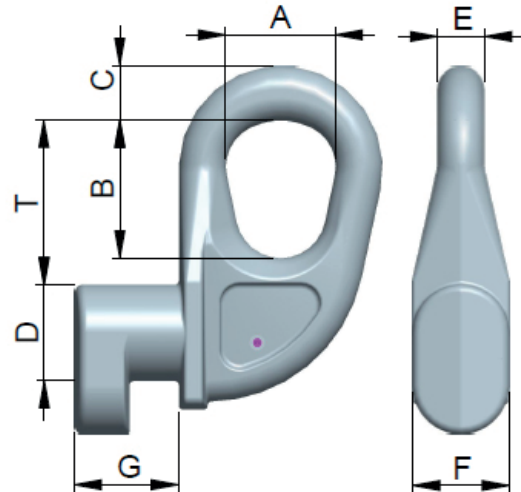
## 4 Inspection criteria

Check and control the following points before each initial operation, in frequent time intervals, after assembly and special incidents:

- readable size and manufacturer sign
- mechanical damage like strong notches, especially in areas where tensile stress occurs
- Reduction of cross section caused by wear > 10 %, especially at the connection, and at the eye of the shackle.
- Cracks or other damage.

RUD components are tested in accordance with DIN EN 1677, with a minimum of 20.000 load cycles at 1.5 x WLL.

Employers insurance association (German-BG) recommends: At high dynamic loading with high load cycle numbers (continuous operation), the bearing stress acc. to load factor group 1Bm (M3 acc. DIN EN 818-7) must be reduced.



Pic. 4: VCH 10 t / 12.5 t Dimensioning

Denomination	WLL [t]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	weight [kg./pc]	Ref.-No.
VCH 10 t*	10	56	70	28	50	24	50	45	3	51005
VCH 12.5 t	12.5	56	70	28	50	24	50	53	3.1	7908182

Table 1: Dimensioning  
Technical alterations subject to change

\* Discounted part which will be replaced by 7908182 VCH 12.5 t