

# CONNECTOR UKS

UNIVERSAL CHAIN CONNECTOR FOR ALL CONVEYING TASKS

ENG



**NEW**

# CONNECTOR UKS

Multipurpose use in round link chains.  
Replacing VK, RSP & FL



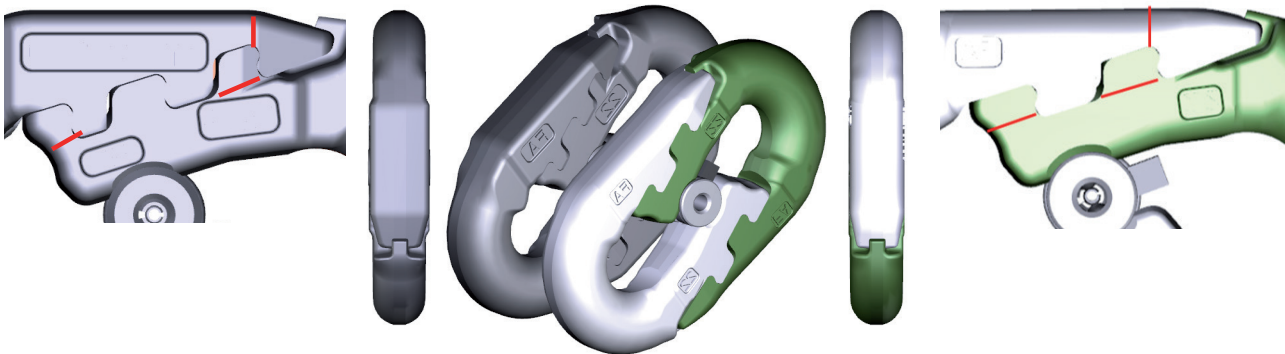
## System comparison

|                                                                                                                                                |                                                                                                                                                                              |                                                                                                                                                     |                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                |                                                                                                                                                                              |                                                                                                                                                     |                                                                                                                                        |
| <b>Connector VK</b>                                                                                                                            | <b>Connector RSP</b>                                                                                                                                                         | <b>Connector FL</b>                                                                                                                                 | <b>New UKSconnector</b>                                                                                                                |
| Consists of 6 parts                                                                                                                            | Consists of 5 parts                                                                                                                                                          | Consists of 3 parts                                                                                                                                 | Consists of 3 parts                                                                                                                    |
| 10 sizes –<br>1 will remain<br>(19x120 mm)                                                                                                     | 7 sizes – 3 will re-<br>main (8x31 / 10x38<br>/ 14x64 mm)                                                                                                                    | 5 sizes -<br>1 will remain<br>(38x144 mm)                                                                                                           | 8 sizes                                                                                                                                |
| <ul style="list-style-type: none"> <li>• runs vertically over sprocket- and pocket wheels</li> <li>• for heavy operating conditions</li> </ul> | <ul style="list-style-type: none"> <li>• runs vertically over sprocket wheels and also horizontally over pocket wheels</li> <li>• for normal operating conditions</li> </ul> | <ul style="list-style-type: none"> <li>• runs vertically and horizontally over sprocket wheels</li> <li>• for heavy operating conditions</li> </ul> | <ul style="list-style-type: none"> <li>• fits all RUD pocket- and sprocket wheels</li> <li>• for heavy operating conditions</li> </ul> |

Existing

**NEW**

Reduction of chain connector width (shape close to a chain link avoids damages while travelling over the toothed wheels. clever sharing of the cross section of the connector teeth leads to a safer transmission of power through increased tooth cross sections (see red lines).



# CONNECTOR UKS

Multipurpose USE - For sprocket- and pocket wheels

**NEW**



RUD's new universal chain connector, replacing connectors VK, RSP and even the FL flat connectors.

- ✓ Easy and quick installation through one person (only 3 parts)
- ✓ Case hardening is matching RUD qualities R80-R160
- ✓ Fits RUD pocket and sprocket wheels
- ✓ Improved teeth design avoiding fractures
- ✓ Observing a fastening torque is no longer necessary
- ✓ Unique position in the market – RUD has the only chain connector with an innovative lock!

## APPLICATIONS:

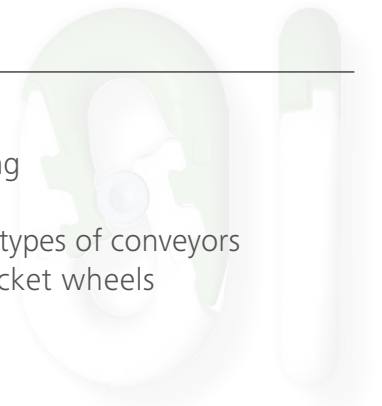
- ✓ Vertical Conveyors (e.g. bucket elevators)
- ✓ Horizontal Conveyors (e.g. scraper conveyors for de-ashing or other applications)

## PROPERTIES:

- ✓ For multipurpose use in Round Link Chains (VK had 6 parts and RSP had 5 parts)
- ✓ 14-19 mm with patented twist locking pin
- ✓ Replacing VK, RSP, FL

## Additional advantages if new connector UKS

- ✓ One connector for all conveying tasks with round steel link chains  
→ This means reduced stock holding, less part numbers in purchasing
- ✓ Easier and quicker installation  
→ This means reduced down times with installation and repair of all types of conveyors
- ✓ No mandatory assembly direction, as it runs over pocket and sprocket wheels
- ✓ The new connectors reduce your total cost of ownership



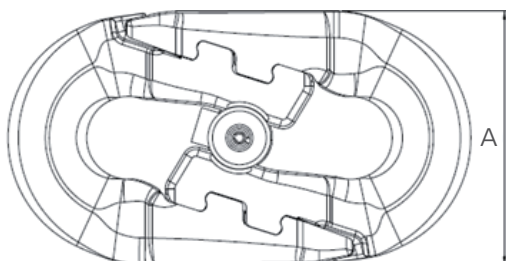
# CONNECTOR UKS

Universal chain connector 14 ... 34 mm



| Chain size in mm | Item no. | Replacing VK | Replacing RSP | Replacing FL |
|------------------|----------|--------------|---------------|--------------|
| 14x50            | 7909021  | 54970        | 53900         |              |
| 16x64 / 18x64    | 7909532  | 61326        | 57947 / 52694 |              |
| 19x75            | 7910081  | 55021        | 55196         |              |
| 22x86            | 7909997  | 55035        |               | 55578        |
| 26x100           | 7909993  | 51487        |               | 62113        |
| 30x120           | 7909989  | 60551        |               | 53280        |
| 34x136           | 7909729  | 7991616      |               | 55357        |

| Chain dxt in mm | A   | B  | Kg / Piece | Part no. |
|-----------------|-----|----|------------|----------|
| 14x50           | 48  | 14 | 0,26       | 7909021  |
| 16x64 / 18x64   | 57  | 17 | 0,46       | 7909532  |
| 19x75           | 64  | 20 | 0,71       | 7910081  |
| 22x86           | 74  | 23 | 1,09       | 7909997  |
| 26x100          | 87  | 27 | 1,78       | 7909993  |
| 30x120x         | 102 | 31 | 2,80       | 7909989  |
| 34x136          | 113 | 35 | 3,99       | 7909729  |





# CONNECTOR UKS

Assembly of the new connectors 14 ... 19 mm\*



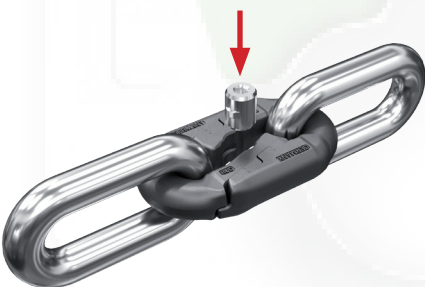
1. Turn the locking pin out of the connector through 90° by means of a hex-wrench



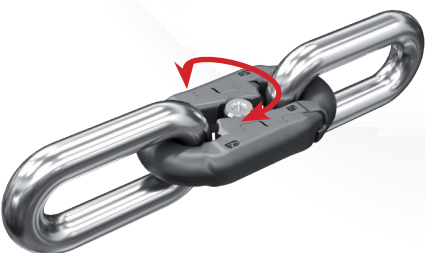
2. Insert the connector shackles into the chain



3. Hook in the tothing



4. Insert the locking pin flush into the connector. Be aware of the position of the cam - in parallel to the flights of the inner sides of the connector shackles.



5. Turn the locking pin through 90° by means of a hex wrench. When turning you must feel a hard point in order to positively lock the pin

\*Assembly:  
From UKS 22, the installation takes place according to the proven art improved by a centralized guiding.



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# CONVEYOR & DRIVE TECHNOLOGY

WITH SPECIAL SOLUTIONS FROM RUD



Whether it is complete bucket conveyor, chain conveyors or chain drive, RUD BULKOS rises to every conveyor challenge thanks to our extensive experience with the most varied bulk materials such as cement, fertilisers, stones and soils and many others.



RUD is the global original equipment manufacturer among the leading lifting equipment manufacturers. We also offer a variety of round link steel chains for different industries.



RUD chain locks “Powerblock” and “dominator” are considered as benchmarks of the industrial sector throughout the world and are used in high-performance mining companies due to their high level of reliability.



The RUD TECDOS team is developing and manufacturing drive solutions for turning, lifting, moving, telescoping or shifting. In addition to the component program, complete solutions like the TOOL MOVER are also available as the TECDOS OMEGA, GAMMA and PI drives.



As the technology leader, RUD provides components and total solutions on the basis of round link steel chains and FORKY for energy generation with coal and biomass as well as in the area of recycling. Be it material supply, ash removal or cleaning scraper, RUD CRATOS offers the suitable solution.