

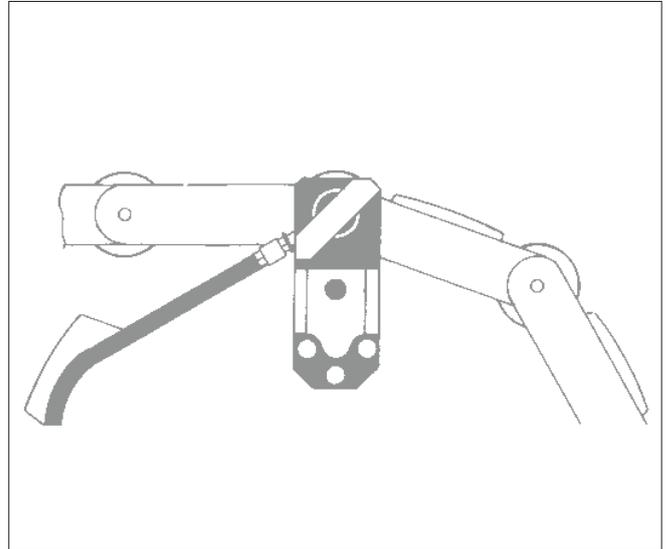
**Product description**  
**Lubricating**  
**head RK-C**

**APPLICATION**

RK-C centralised lubrication systems are generally used to serve moving parts such as links, guide rollers, chain pins, castors, hinged joint, etc. whilst the conveyors, plate bands or ancillary mechanisms are in motion.

**PRODUCT CHARACTERISTICS**

- for migratory lubrication points
- max. working pressure up to 160 bar
- Lubricant up to NLGI class 1, DIN 51813



**FUNCTION**

The RK-C lubrication system is designed to deliver a metered shot of grease to the chain pins once the chain is positively engaged with the sprocket.

The lubrication heads (6) are mounted on brackets (5) which are secured to the sprocket in line radially and axially with chain pins once the chain is engaged. The number of lubrication heads to ensure that all points are lubricated is dependent on the number of chain pins and the number of teeth on the sprocket. The system is controlled by the 3-way rotary slide valve (4) which is secured to the end face of the shaft on which the sprockets are mounted. This valve connects the pressure and the relief line in turn to the lubrication heads as the shaft rotates relative to the body of the valve.

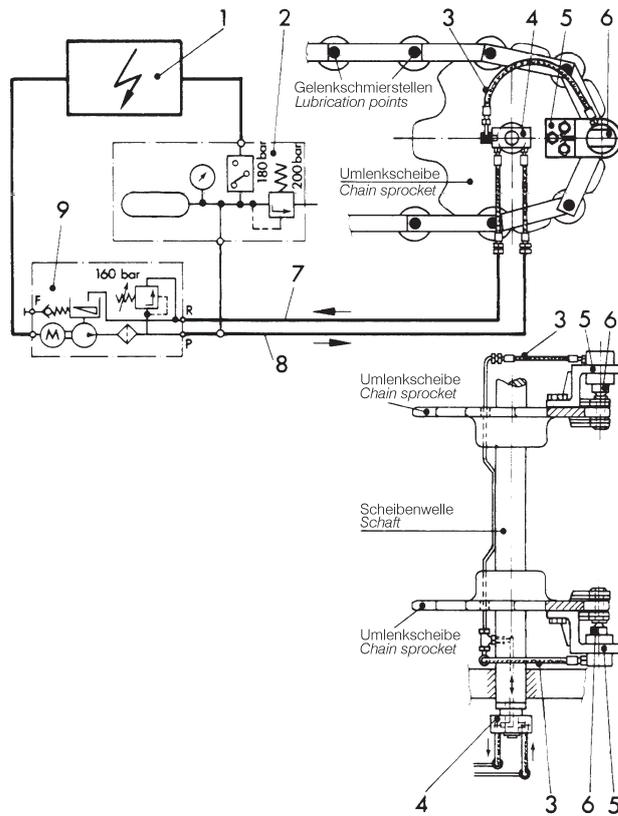
When the lubrication heads (6) are connected to the pressure line the injection piston is first pushed tightly against the greasing nipple of the chain and then the lubricant is discharged via the feed piston. The amount of lubricant delivery may be varied by exchanging the metering screws which control the stroke of the feed piston.

When the heads are connected to the relief line the spring loaded piston retracts the injector to its initial position prior to the chain leaving the sprocket. This also recharges the feed piston with a fresh quantity of lubricant ready for the next cycle.

The BS-B grease pump (9) is continually pumping grease although the lubrication heads are only engaged with the chain for a partial cycle of the sprocket. During the relief period the grease is stored under pressure in the accumulator ready for the next lubrication cycle.



## FUNCTION (Continued)



1. Electrical control cabinet
2. Pressure storage unit consisting of:  
Accumulator  
Pressure gauge  
Pressure switch 180 bar  
Pressure relief valve 200 bar
3. Flexible hose connecting the lubrication head
4. Rotary slide valve
5. Lubrication head bracket
6. Lubrication head
7. Return line
8. Pressure feed line
9. Pump BS-B

### A. LUBRICATING HEAD TYPE

**Code**

RKC

### B. KIND OF LUBRICATING HEAD

**Code**

- Lubricating head RK-C without plate for lowering lubricating nipple
- Lubricating head Rk-C with plate for lowering lubricating nipple

01

02

### C. REVISION

**Code**

Status A

A

### D. ACCESSORIES

**Code**

without

00



**SPECIFICATION**

Working pressure max.: \_\_\_\_\_ 160 bar  
 Lubricants grease up to \_\_\_\_\_ NLGI class 1, DIN 51813\*  
 Ambient temperature : \_\_\_\_\_ - 20° up to 80°C

**Lubricating head**

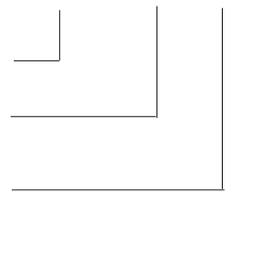
Output volume \_\_\_\_\_ 0.2; 0.3; 0.4 preferably 0.5 cm<sup>3</sup>  
 Control volume each greasing cycle \_\_\_\_\_ max. 4 cm<sup>3</sup>/per lubricating head

\* If lubricants to NLGI class 2 are to be utilised, please consult us beforehand.

**EXAMPLE OF ORDER**

Code					
R	K	C	0	1	A 0 0

<b>Lubricating head type RK-C</b>	Code: RKC
<b>Kind of lubricating head</b> Lubricating head without plate for lowering lubricating nipple	Code: 01
<b>Revision</b> Status A	Code: A
<b>Accessories</b> without	Code: 00



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For smooth motion*

