

CRL-101 Wheel flange lubrication for slow-moving rail-type cranes

Reduces rail wear and lubricant consumption



Port operators deal with many of the factors impacting their business. In addition to environmental realities – salt, moisture and contaminants – these include increased demand on port capacity, resulting in a higher number of moves and added strain on equipment. Regular lubrication of rails drastically increases the life expectancy of the wheels and reduces the wear on the rail itself. This lowers repair costs and, more importantly, reduces costly downtime. Wear is particularly high on rails and crane sides that do not run exactly parallel. This problem occurs especially when the distance between the rails is very large.

The Crane Rail Lubricator CRL-101 uses two lubrication rollers for the left and right flank of the crane rail to apply lubricant evenly. The lubrication rollers run parallel to the crane wheels.

A multi-line lubrication system with a P205 pump and downstream progressive metering device type SSV6-K supplies the lubricant to the rollers.

The automatic lubrication system is economical as the lubricant consumption is minimized, but also the environmental impact is reduced.

The automated lubrication is practically wear-free because the running lubrication rollers hardly wear down – contrary to wheel flange systems that use a brush type application.

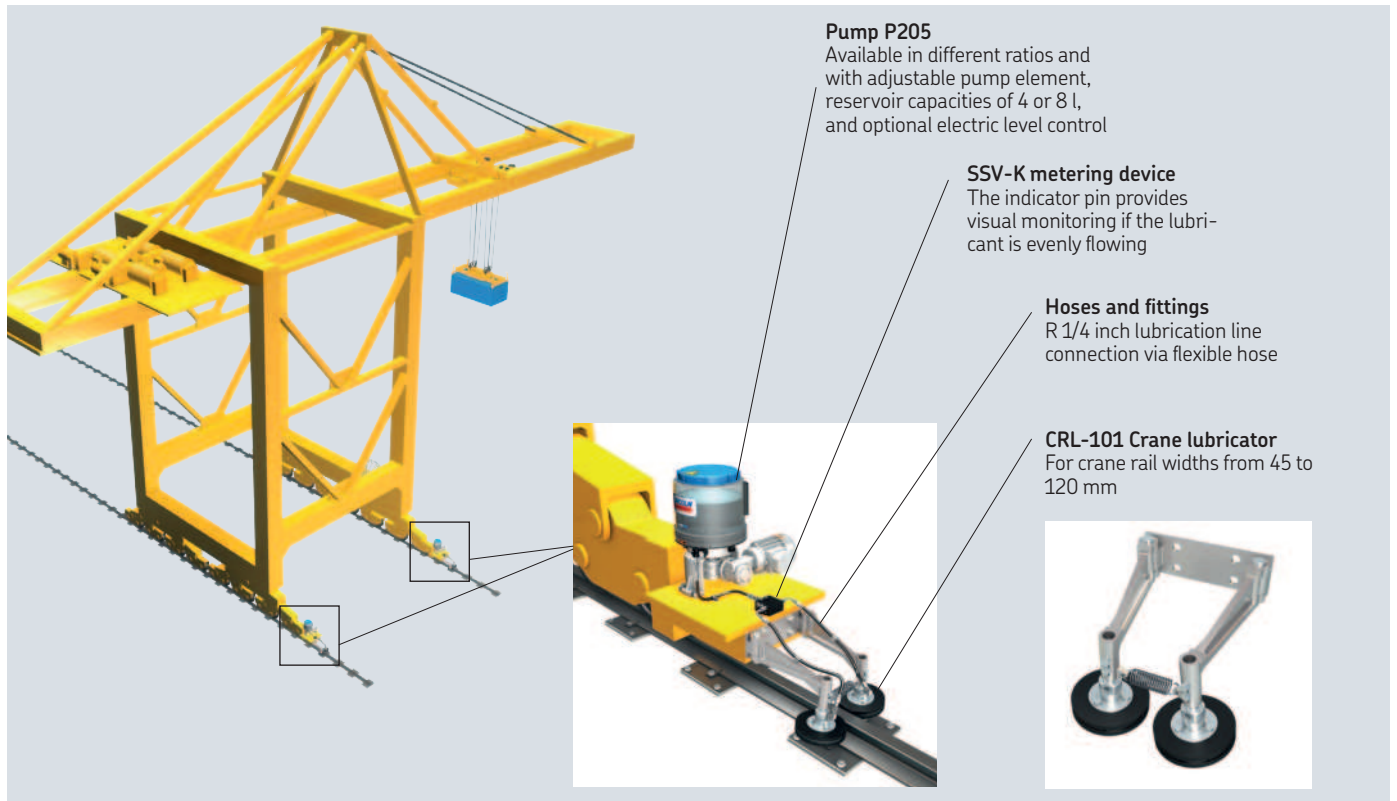
Benefits:

- Reduces maintenance, improves safety and cuts overall lubricant cost
- Reduces noise (important in harbours located close to populated areas)
- Robust design withstands harsh operating conditions
- Designed for all types of greases, including biodegradable lubricants

Applications:

- Slow-moving rail-type cranes with a rail profile according to DIN 536 Part 1 (size A 45 to A 120)
- Harbour cranes and special container handling systems
- Overhead and gantry cranes

System setup



Pump P205
Available in different ratios and with adjustable pump element, reservoir capacities of 4 or 8 l, and optional electric level control

SSV-K metering device
The indicator pin provides visual monitoring if the lubricant is evenly flowing

Hoses and fittings
R 1/4 inch lubrication line connection via flexible hose

CRL-101 Crane lubricator
For crane rail widths from 45 to 120 mm

How to order

Part number	Designation	Included items ¹⁾
7310-50000007	CRL101 KIT P205-M280-4XYBU-1KR-400 +SSV6K	4-Liter-pump P205 ²⁾ with low-level monitoring, one adjustable pump element and multi-range motor SSV6K metering device High-pressure flexible hoses incl. fitting and clamps
7310-50000008	CRL101 KIT P205-M280-8XYBU-1KR-400 +SSV6K	8-Liter-pump P205 ²⁾ with low-level monitoring, one adjustable pump element and multi-range motor SSV6K metering device High-pressure flexible hoses incl. fitting and clamps

¹ The kits include all necessary fittings to mount the CRL101 system
² Other pump models on request

For other **P205** and **SSV** versions, **accessories and spare parts**, please refer to the product catalogue "Progressive automatic lubrication systems"

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