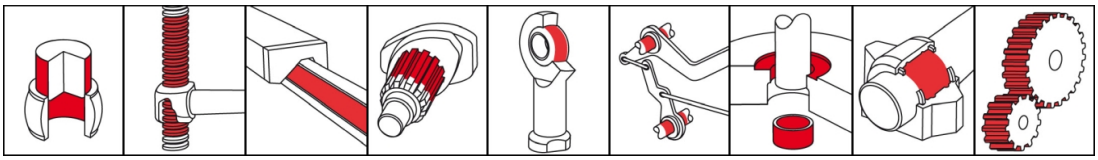
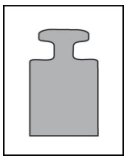


PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

# OKS 221
## $MoS_2$ Rapid Paste, Spray





$Mo_x$ - Active

### Description

Assembly paste with very high $MoS_2$ contents for pressing and moulding processes as well as run-in lubrication of highly loaded sliding surfaces.

### Applications

- Assembly paste for press-fitting wheels, shafts, tires or bearings
- Non-stick primer coat for moving threads, guides and slideways to prevent stick-slip effect, seizing and wear
- Wearing-in lubrication of highly stressed sliding surfaces such as plain bearings, gearwheels, crankshafts with provision of anti-seizing properties
- Suitable for non-cutting shaping of the difficult type, such as doming, pressing, embossing while avoiding critical metal contacts and welding

### Advantages and benefits

- Immediate effective protection against corrosion, wear and stick-slipping under high stress conditions
- No pressing onto the sliding surface required
- Highly effective due to the strong affinity of the $MoS_2$ for metals
- Extremely low friction at highest loading capability
- Increased operational reliability of moving parts due to anti-seizing properties
- Improved performance due to organic molybdenum complex compounds

### Branches

- Rail vehicle technology
- Rubber and plastic processing
- Logistics
- Chemical industry
- Shipbuilding and marine technology
- Plant and machine (tool) engineering
- Paper and packaging industry
- Iron and steel industry
- Glass and foundry industry
- Municipal services

### Application tips

For optimum adhesion, clean contamination and other lubricants from sliding surfaces. Best way is to clean mechanically first (for example, with a wire brush) and then with OKS 2610/OKS 2611 universal cleaner. Apply OKS 220 thinly and evenly with a brush or spatula. Spray OKS 221 on evenly. Remove excesses. Do not use paste instead of grease and mix only with suitable lubricants.


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# OKS 221
## $MoS_2$ Rapid Paste, Spray

### Packaging

- 400 ml Spray

### Technical data

| | Standard | Conditions | Unit | Value |
|---|---|---|---|---|
| **Main components** | | | | |
| base oil | | | | synthetic oil |
| thickener | | | | without |
| solid lubricants | | | | other solid lubricants |
| solid lubricants | | | | $MoS_2$ |
| additives | | | | $Mo_x$-Active |
| **Application related technical data** | | | | |
| unworked penetration | DIN ISO 2137 | no shear stress | 0.1 mm | 260-290 |
| lower operating temperature | | | °C | -35 |
| upper operating temperature | | separation | °C | 450 |
| upper operating temperature | | separation under exclusion of oxygen | °C | 630 |
| colour | | | | black |
| density | DIN EN ISO 3838 | at 20°C | g/cm³ | 0.68 |
| four-ball test rig welding load | DIN 51 350-4 | | N | 4,200 |
| Total friction coefficient (µ) | DIN EN ISO 16 047 | screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide | | 0.07 |
| press-fit test (µ) | draft DIN 51 833 | | | 0,05, no chatter |
| **Properties and approvals** | | | | |
| UFI | | | | VT8K-U0JA-Y001-6RUF |

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