

# AL-F High-Performance Grease



## All-round high-performance grease | NSF registration

WEICON AL-F can be used to lubricate roller and slide bearings, joints, levers, sliding guides, spindles, spline shafts, camshafts, open gears, worm gears and all grease lubrication points. Owing to its NSF approval H2, the grease is suitable for use in the food industry.

### Technical Data

|                                   |                              |                          |
|-----------------------------------|------------------------------|--------------------------|
| Short description                 | DIN 51502                    | KLF 2K -30               |
| Consistency classification        | DIN 51818                    | NLGI grade 2             |
| Base oil                          |                              | Mineral oil              |
| Base thickener                    |                              | Lithium                  |
| Colour                            |                              | white                    |
| Density                           | (+20°C) DIN 51757            | 0,9 g/cm <sup>3</sup>    |
| Silicone-free                     |                              | yes                      |
| Four ball weld test property load | DIN 51350                    | 3.200 N                  |
| Four ball weld test weld load     | DIN 51350                    | 3.400 N                  |
| Four ball weld test calotte value | DIN 51350 (1min/1000N)       | 0,8 mm                   |
| Rotation speed parameter          |                              | 350.000                  |
| Cone penetration                  | DIN ISO 2137                 | 265-295 1/10 mm          |
| Water resistance                  | DIN 51807                    | 1 - 90                   |
| Heat capacity                     | DIN EN ISO 22007-4           | 1,832 J/(g·K)            |
| Thermal conductivity              | DIN EN ISO 22007-4           | 0,524 W/m·K              |
| Dielectric strength               | DIN EN 60243-1 (20°C)        | 7,8 kV/mm                |
| Dripping point                    | IP 396                       | > 190 °C                 |
| viscosity of base oil (40 °C)     | DIN 51 562                   | 100 mm <sup>2</sup> /s   |
| viscosity of base oil (+100 °C)   | DIN 51 562                   | 9 mm <sup>2</sup> /s     |
| EMCOR-corrosion test              | DIN 51802 (3% NaCl solution) | 0 / 0                    |
| Temperature conductivity          |                              | 0,317 mm <sup>2</sup> /s |
| Temperature resistance            |                              | -30 °C to +120 °C        |
| Minimum shelf life                | at room temperature          | 24 mon.                  |

### Approvals / Guidelines

|           |                 |
|-----------|-----------------|
| NSF       | H2 (FDA 21 CFR) |
| ISSA Code | 53.052.30/31    |
| IMPA Code | 450441/42/43    |

### Instructions for use

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets ([www.weicon.com](http://www.weicon.com)) must be observed.

### Application

The AL-F High-Performance Grease can be applied in the desired quantity to the component that you wish to lubricate with the Processing Spatula or the Contour Spatula Flexy. The content of the 400 g cartridges can be easily injected with a hand lever grease gun, e.g. in accordance with DIN 1283.

### Storage

WEICON Allround Lubricants should be stored in a dry indoor environment at room temperature. Unopened containers can be stored at temperatures from +18 °C to +28 °C. Opened containers should be resealed airtight.

### Accessories

|          |   |
|----------|---|
| 10000147 | Cleaner Spray S, 500 ml, transparent          |
| 10000347 | Cleaner S, 5 L, colourless, transparent       |
| 10039119 | Fast Cleaner, 500 ml, colourless, transparent |
| 10055297 | Industrial Cleaner, 500 ml                    |
| 10010887 | Processing Spatula short, 1 PCE               |
| 10022562 | Processing Spatula long, 1 PCE                |
| 10010066 | Contour Spatula Flexy, 1 PCE                  |
| 10065455 | Brush 35, long, Adhesive, 1 PCE               |

### Recommended equipment

|            |                 |
|------------|-----------------|
| Grease gun | Lint-free cloth |
|------------|-----------------|

### Available sizes

|          |  |
|----------|--|
| 10017515 | AL-F High-Performance Grease, 0,35 kg, white |
| 10016775 | AL-F High-Performance Grease, 0,4 kg, white  |
| 10016777 | AL-F High-Performance Grease, 1 kg, white    |
| 10016781 | AL-F High-Performance Grease, 5 kg, white    |
| 10016784 | AL-F High-Performance Grease, 25 kg, white   |

### Conversion table

|                               |                      |
|-------------------------------|----------------------|
| (°C x 1.8) + 32 = °F          | Nm x 8.851 = lb·in   |
| mm/25.4 = inch                | Nm x 0.738 = lb·ft   |
| µm/25.4 = mil                 | Nm x 141.62 = oz·in  |
| N x 0.225 = lb                | mPa·s = cP           |
| N/mm <sup>2</sup> x 145 = psi | N/cm x 0.571 = lb/in |
| MPa x 145 = psi               | kV/mm x 25.4 = V/mil |

#### Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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# AL-F High-Performance Grease

|                      | AL-W High-Performance Grease | AL-M High-Performance Grease | AL-F High-Performance Grease | AL-T High-Performance Grease | AL-H High-Performance Grease | Silicone Grease | Silicone Grease HV |
|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------|--------------------|
| Rolling bearings     | x                            | x                            | x                            | x                            | x                            |                 |                    |
| Sliding bearings     | x                            | x                            | x                            | x                            | x                            |                 |                    |
| Chains               | x                            |                              |                              |                              |                              |                 |                    |
| Joints               | x                            | x                            | x                            | x                            | x                            | x               | x                  |
| Levers               | x                            | x                            | x                            | x                            | x                            | x               | x                  |
| Sliding guides       | x                            | x                            | x                            | x                            | x                            | x               | x                  |
| Linear guide systems |                              |                              |                              | x                            | x                            | x               | x                  |
| Spindles             | x                            | x                            | x                            | x                            | x                            | x               | x                  |
| Spline shafts        | x                            | x                            | x                            | x                            |                              |                 |                    |
| Camshafts            |                              | x                            | x                            |                              |                              |                 |                    |
| Springs              |                              | x                            |                              |                              |                              |                 |                    |
| Open gears           | x                            | x                            | x                            |                              |                              |                 |                    |
| Worm gears           | x                            | x                            | x                            |                              |                              |                 |                    |
| Cables               | x                            |                              |                              |                              |                              |                 |                    |

To the product detail page:



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