

# AL-H High-Performance Grease



## High-temperature grease | odour- and tasteless | NSF registration

WEICON AL-H is suitable for roller and slide bearings, joints, spindles, splined shafts and linear guide systems at all sliding speeds permitted for grease lubrication. Thanks to its special formulation and NSF approval H1, AL-H is especially suitable for use in food processing technology.

### Technical Data

Short description	DIN 51502	KPHC 1P -40
Consistency classification	DIN 51818	NLGI grade 1
Base oil		Polyalphaolefin
Base thickener		Aluminium complex soap
Colour		white
Density	(+20°C) DIN 51757	0,93 g/cm³
Silicone-free		yes
Four ball weld test property load	DIN 51350	3.400 N
Four ball weld test weld load	DIN 51350	3.600 N
Four ball weld test calotte value	DIN 51350 (1min/1000N)	0,6 mm
Rotation speed parameter		400.000
Cone penetration	DIN ISO 2137	310 - 340 1/10 mm
Water resistance	DIN 51807	1 - 90
Heat capacity	DIN EN ISO 22007-4	1,838 J/(g·K)
Thermal conductivity	DIN EN ISO 22007-4	0,394 W/m·K
Dielectric strength	DIN EN 60243-1 (20°C)	29,6 kV/mm
Dripping point	IP 396	> 200 °C
viscosity of base oil (40 °C)	DIN 51 562	400 mm²/s
viscosity of base oil (+100 °C)	DIN 51 562	40 mm²/s
EMCOR-corrosion test	DIN 51802 (distilled water)	0 / 0
Temperature conductivity		0,23 mm²/s
Temperature resistance		-40 °C to +160 °C
Minimum shelf life	at room temperature	24 mon.

### Approvals / Guidelines

NSF	H1 (FDA 21 CFR)
ISSA Code	53.052.20/21
IMPA Code	450439/40
MIL-Spec	complies with MIL-PRF-81329 MIL-PRF-46147

### 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-H 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, 1 PCE
10022562	Processing Spatula, 1 PCE
10010066	Contour Spatula Flexy, 1 PCE
10065455	Brush 35, long, Adhesive, 1 PCE

### Recommended equipment

Grease gun	Lint-free cloth
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### Available sizes

10016761	AL-H High-Performance Grease, 0,4 kg, white
10016763	AL-H High-Performance Grease, 1 kg, white
10016766	AL-H High-Performance Grease, 5 kg, white
10016769	AL-H 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/mm² 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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## Allround Lubricant

	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
<b>Rolling bearings</b>	x	x	x	x	x		
<b>Sliding bearings</b>	x	x	x	x	x		
<b>Chains</b>	x						
<b>Joints</b>	x	x	x	x	x	x	x
<b>Levers</b>	x	x	x	x	x	x	x
<b>Sliding guides</b>	x	x	x	x	x	x	x
<b>Linear guide systems</b>				x	x	x	x
<b>Spindles</b>	x	x	x	x	x	x	x
<b>Spline shafts</b>	x	x	x	x			
<b>Camshafts</b>		x	x				
<b>Springs</b>		x					
<b>Open gears</b>	x	x	x				
<b>Worm gears</b>	x	x	x				
<b>Cables</b>	x						

To the product detail page:



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