

# AL-W High-Performance Grease

**400 g** 

**1 kg** 

**5 kg** 

**25 kg** 

## Special lubricant for underwater applications

WEICON AL-W offers effective protection against aggressive liquids such as sea or wastewater, both in the maritime sector and in wet plants. The lubricant is suitable for rolling and sliding bearings even in mixed friction operation, for joints, levers, sliding guides, spindles, spline shafts, open gears, worm gears, chains and wire cables, and at all sliding speeds permitted for grease lubrication.

### Technical Data

Short description	KPL 1-2 E -25	
Consistency classification	DIN 51818	NLGI grade 1-2
Base	Spec. Calcium soap / mineral oil	
Colour	beige	
Density	(+20°C) DIN 51757	0,94 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	0,7 N
Four ball weld test calotte value	DIN 51350 (1min/1000N)	3.400 mm
Rotation speed parameter	450.000	
Cone penetration	DIN ISO 2137	285 - 315 1/10 mm
Water resistance	DIN 51807	0 - 40
Heat capacity	DIN EN ISO 22007-4	1,762 J/(g·K)
Thermal conductivity	0,494 W/m·K	
Dielectric strength	DIN EN 60243-1 (20°C)	9,5 kV/mm
Dripping point	IP 396	> 100 °C
Kinematic viscosity (40 °C)	DIN 51 562	100 mm <sup>2</sup> /s
Kinematic viscosity (+100 °C)	DIN 51 562	9 mm <sup>2</sup> /s
EMCOR-corrosion test	DIN 51 802	0 / 0
Complies with	German Bundeswehr TL 9150-0066, NATO Spez. G-460	
Temperature conductivity	0,296 mm <sup>2</sup> /s	
Temperature resistance	-25°C to +80°C	
Shelf life	24 mon.	

### 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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## Lubricating and Multifunctional Oils

### Approvals / Guidelines

ISSA Code	53.052.10/11
IMPA Code	450437/38

### Surface pre-treatment

First clean the surface to be lubricated with WEICON Cleaner S, depending on the degree of soiling. If screws have already been used, process with the wire brush and clean with WEICON Cleaner S.

### Processing

Apply AL-W evenly.

### Storage

Store in tightly closed original container. Do not store with oxidising agents. Keep container tightly closed and store in a cool, well-ventilated area. Recommended storage temperature: Room temperature.

### 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.

### Available sizes

10016748	AL-W High-Performance Grease, 0,4 kg, beige
10016754	AL-W High-Performance Grease, 5 kg, beige
10016756	AL-W High-Performance Grease, 25 kg, beige
10017158	AL-W High-Performance Grease, 120 g, beige

### Conversion table

(°C x 1.8) + 32 = °F  
mm/25.4 = inch  
µm/25.4 = mil  
N x 0.225 = lb  
N/mm<sup>2</sup> x 145 = psi  
MPa x 145 = psi

Nm x 8.851 = lb·in  
Nm x 0.738 = lb·ft  
Nm x 141.62 = oz·in  
mPa·s = cP  
N/cm x 0.571 = lb/in  
kV/mm x 25.4 = V/mil