

AL-W High-Performance Grease



Special lubricant | also for underwater applications

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

Technical Data

Short description	DIN 51502	KPL 1-2 E -25
Consistency classification	DIN 51818	NLGI grade 1-2
Base oil		Mineral oil
Base thickener		Special calcium soap
Colour		beige
Density	(+20°C) DIN 51757	0,94 g/cm ³
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)	0,7 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	DIN EN ISO 22007-4	0,494 W/m·K
Dielectric strength	DIN EN 60243-1 (20°C)	9,5 kV/mm
Dripping point	IP 396	> 100 °C
viscosity of base oil (40 °C)	DIN 51 562	100 mm ² /s
viscosity of base oil (+100 °C)	DIN 51 562	9 mm ² /s
EMCOR-corrosion test	DIN 51802 (3% NaCl solution)	0 / 0
Salt spray test	German Armed Forces regulation 336 h/35 °C, 5 % NaCl	no corrosion
Temperature conductivity		0,296 mm ² /s
Temperature resistance		-25 °C to +80 °C
Minimum shelf life	at room temperature	24 mon.

Approvals / Guidelines

ISSA Code	53.052.10/11
IMPA Code	450437/38
Complies with	German Bundeswehr TL 9150-0066, NATO Code G-460

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) must be observed.

Application

The AL-W 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.

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-W High-Performance Grease

High-Performance Greases
Allround Lubricant

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
Angle grinder	

Available sizes

10016748	AL-W High-Performance Grease, 0,4 kg, beige
10016750	AL-W High-Performance Grease, 1 kg, beige
10016754	AL-W High-Performance Grease, 5 kg, beige
10016756	AL-W High-Performance Grease, 25 kg, beige

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$	$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
$\text{mm}/25.4 = \text{inch}$	$\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
$\mu\text{m}/25.4 = \text{mil}$	$\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
$\text{N} \times 0.225 = \text{lb}$	$\text{mPa}\cdot\text{s} = \text{cP}$
$\text{N}/\text{mm}^2 \times 145 = \text{psi}$	$\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
$\text{MPa} \times 145 = \text{psi}$	$\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

	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
Lever	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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