



**Aerolube Technologies**



### Technical Data Sheet

## **SPtech RWG 00 & RWG 0 Grease Long Term Lubrication of Reduction Gears in Industrial Robots**

### Product Description

Stanvac SPTECH RWG 00 & RWG 0 series of greases are based on a semi synthetic combination of synthetic hydrocarbon and highly refined mineral oils.

They are fortified with a special combination of extreme pressure additives based on organo moly complex technology along with very special additives that reduce micro pitting between gear teeth, enhance FZG properties as well as load carrying capacity. They also contain additives to prevent from degradation due to rust, corrosion and oxidation.

Stanvac SPTECH RWG 00 & RWG 0 series of greases are free from any lubricating solids such as molybdenum disulfide, graphite, PTFE or melamine cyanurates.

### Applications

For lubrication of reduction gears

### Benefits

- Highly oxidation stable
- Water resistant and prevents corrosion
- Lowers friction
- Good corrosion protection
- Resistant to oxidation
- Very good low temperature performance
- Excellent pumpability

### Directions for Use

Apply on all clean sliding surfaces by normal greasing methods i.e. by brush, grease gun or dispense via centralized lubrication systems. Do not mix with other oils or grease.

### General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

### Available Packaging

20 Kg

### Shelf Life

36 months from date of manufacture in sealed condition.

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### **TECHNICAL PROPERTY**

Parameter	Value	Unit	Standard
	<b>RWG 00 Grease</b>	<b>RWG 0 Grease</b>	
Type	Semi fluid grease	Semi fluid grease	
Appearance	Smooth grease	Smooth grease	
Base oil	Synthetic hydrocarbon (PAO)/ highly refined mineral oil		
Base oil viscosity, 40°C	32	81	mm <sup>2</sup> /s ASTM D 445
Thickener	Lithium	Lithium	
Color <sup>1</sup>	Yellowish	Yellowish	
Penetration, worked	415	385	mm/10 ASTM D 217
NLGI consistency	00	0	Class DIN 51 818
Drop point	+190	+190	°C ASTM D 566
Service temperatures	-40 to +130	-40 to +130	°C
Four ball weld load	+315	+315	kg ASTM D 2596
Oxidation stability, 99°C, 100h, pressure drop	<5	<5	psig ASTM D 942
Evaporation loss, 100,°C 24h	<1	<1	% ASTM D 972
Copper strip corrosion, 100,°C 24h	Pass	Pass	Rating ASTM D 4048

### Disposal

All used and unused product should be disposed of in accordance with state regulations.

### Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

### Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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