

**Schaeffler Rolling Bearing Grease**

**Arcanol FOOD2**

Properties, applications: Universal application, improved relubricatability, grease with NSF-H1 release (food contact)

Characteristics	Value	Unit	Test method
Temperature range:	-30 to 120	°C	DIN 51825 / Schaeffler Spec.
Longtime limit temperature:	70	°C	
Density:	0.88	kg/dm <sup>3</sup>	
Specifications:	NSF H1, Koscher		
Thickener:	aluminium complex		
Type of base oil:	SHC oil		
Base oil viscosity	at 40 °C:	150	mm <sup>2</sup> /s
	at 100 °C:	18	mm <sup>2</sup> /s
Worked penetration:	265-295	0.1 mm	DIN ISO 2137
NLGI grade:	2		DIN 51518
Drop point:	≥ 240	°C	DIN ISO 2176
Water resistance:	1-90	Range	DIN 51807 - 1
Corrosion Emcor Test:	≤ 1/1	Corr. Grade	DIN 51802
	with 0.5 % NaCl:	Corr. Grade	
Copper corrosion after 24 h/100 °C:	≤ 1	Corr. Grade	DIN 51811
FE8 tests run wear behaviour, Running time 500 hours without failure			
536048 - 75/80-RT	vWk50 ≤ 35	mg	DIN 51819
536050MP - 7.5/80-80	vWk50 ≤ 35	mg	DIN 51819
FE9 tests run (grease service lifetime)			
B/1500/6000/120	F50 ≥ 200	h	DIN 51821-02
	no failure < 100	h	
Low temperature torque			
-30 °C	Start / Steady-state	68 / 42	Nmm
<b>Speed range:</b>	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	mm/min	400,000	200,000

\*) not cylindrical roller thrust bearings and spherical roller thrust bearings

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**Schaeffler Rolling Bearing Greas**

**Arcanol MOTION2**

Properties, applications: Bearing grease for oscillating bearings, especially for small slewing angles, moderate to high loads, low starting temperatures, jaw and pitch bearings in wind turbines

Characteristics	Value	Unit	Test method
Temperature range:	-40 to 130	°C	DIN 51825 / Schaeffler Spec.
Longtime limit temperature:	75	°C	
Density:	0.91	kg/dm <sup>3</sup>	
Specifications:			
Thickener:	lithium soap		
Type of base oil:	synth. oil		
Base oil viscosity	at 40 °C:	50	mm <sup>2</sup> /s
	at 100 °C:	8	mm <sup>2</sup> /s
Worked penetration:	265-295	0.1 mm	DIN ISO 2137
NLGI grade:	2		DIN 51518
Drop point:	≥ 180	°C	DIN ISO 2176
Water resistance:	1-90	Range	DIN 51807 - 1
Corrosion Emcor Test:	≤ 0/1	Corr. Grade	DIN 51802
	with 0.5 % NaCl:		Corr. Grade
Copper corrosion after 24 h/100 °C:	≤ 1	Corr. Grade	DIN 51811
<b>Speed range:</b>	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	mm/min	500,000	

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**Schaeffler Rolling Bearing Greas**

**Arcanol MOUNTINGPASTE**

Properties, Mounting paste for reduction of stick-slip and fretting corrosion applications:

Characteristics	Value	Unit	Test method
Temperature range:	-20 to 110	°C	DIN 51825 / Schaeffler Spec.
Longtime limit temperature:		°C	
Density:	approx. 0.	kg/dm <sup>3</sup>	
Specifications:			
Thickener:	lithium soap		
Type of base oil:	mineral oil		
Base oil viscosity	at 40 °C: 185	mm <sup>2</sup> /s	DIN 51562 - 1
	at 100 °C:	mm <sup>2</sup> /s	DIN 51562 - 1
Worked penetration:	265-295	0.1 mm	DIN ISO 2137
NLGI grade:	2		DIN 51518
Drop point:	≥ 130	°C	DIN ISO 2176
Water resistance:	0-90	Range	DIN 51807 - 1
Corrosion Emcor Test:	≤ 0/0	Corr. Grade	DIN 51802
	with 0.5 % NaCl:	Corr. Grade	
Copper corrosion after 24 h/ °C:		Corr. Grade	DIN 51811
<b>Speed range:</b>	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	mm/min		

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**Schaeffler Rolling Bearing Greas**

**Arcanol MOUNTINGPASTE2**

Properties, mounting paste; reduction of stick-slip and fretting corrosion applications:

Characteristics	Value	Unit	Test method
Temperature range:	-30 to 140	°C	DIN 51825 / Schaeffler Spec.
Longtime limit temperature:		°C	
Density:	1.3	kg/dm <sup>3</sup>	
Specifications:			
Thickener:	lithium soap		
Type of base oil:	SHC oil		
Base oil viscosity	at 40 °C:	100	mm <sup>2</sup> /s
	at 100 °C:	13.5	mm <sup>2</sup> /s
Worked penetration:	265-295	0.1 mm	DIN ISO 2137
NLGI grade:	2		DIN 51518
Drop point:		°C	DIN ISO 2176
Water resistance:	1-90	Range	DIN 51807 - 1
Corrosion Emcor Test:	≤ 0/0	Corr. Grade	DIN 51802
	with 0.5 % NaCl:		Corr. Grade
Copper corrosion after 24 h/100 °C:	≤ 1	Corr. Grade	DIN 51811
<b>Speed range:</b>	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	mm/min		

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**Schaeffler Rolling Bearing Greas**

**Arcanol SPEED2,6**

Properties, Bearing grease for low temperatures, high speeds, especially for spindle bearing applications:

Characteristics	Value	Unit	Test method
Temperature range:	-40 to 120	°C	DIN 51825 / Schaeffler Spec.
Longtime limit temperature:	80	°C	
Density:	0.94	kg/dm <sup>3</sup>	
Specifications:			
Thickener:	lithium complex		
Type of base oil:	SHC/ester oil		
Base oil viscosity	at 40 °C:	25	mm <sup>2</sup> /s
	at 100 °C:	6	mm <sup>2</sup> /s
Worked penetration:	250-265	0.1 mm	DIN ISO 2137
NLGI grade:	2-3		DIN 51518
Drop point:	≥ 220	°C	DIN ISO 2176
Water resistance:	1-90	Range	DIN 51807 - 1
Corrosion Emcor Test:	≤ 0/1	Corr. Grade	DIN 51802
	with 0.5 % NaCl:	Corr. Grade	
Copper corrosion after 24 h/120 °C:	≤ 2	Corr. Grade	DIN 51811
FE8 tests run wear behaviour, Running time 500 hours without failure			
536050MP - 7.5/80-RT	vWk50 ≤ 35	mg	DIN 51819
536050TVP - 6000/5-90	vWk50 ≤ 35	mg	DIN 51819
FE9 tests run (grease service lifetime)			
A/1500/6000-120	F50 ≥ 150	h	DIN 51821-02
	no failure < 100	h	
Low temperature torque			
-50 °C	Start / Steady State	131 / 106	Nmm
<b>Speed range:</b>	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	mm/min	2,000,000	200,000

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## Schaeffler Rolling Bearing Greas

# Arcanol VIB3

Properties, applications: Bearing grease for oscillating bearings, especially for small slewing angles, moderate to high loads, low starting temperatures, low starting friction, also for vertical shaft and rotating outer ring

Characteristics	Value	Unit	Test method
Temperature range:	-30 to 150	°C	DIN 51825 / Schaeffler Spec.
Longtime limit temperature:	90	°C	
Density:	0.9	kg/dm <sup>3</sup>	
Specifications:			
Thickener:	lithium complex		
Type of base oil:	mineral oil		
Base oil viscosity	at 40 °C:	170	mm <sup>2</sup> /s
	at 100 °C:	14	mm <sup>2</sup> /s
Worked penetration:	200-230	0.1 mm	DIN ISO 2137
NLGI grade:	3-4		DIN 51518
Drop point:	≥ 250	°C	DIN ISO 2176
Water resistance:	1-90	Range	DIN 51807 - 1
Corrosion Emcor Test:	≤ 0/0	Corr. Grade	DIN 51802
	with 0.5 % NaCl:	Corr. Grade	
Copper corrosion after 24 h/120 °C:	≤ 2	Corr. Grade	DIN 51811
FE8 tests run wear behaviour, Running time 500 hours without failure			
536050 - 3000/10-80	vWk50 ≤ 35	mg	DIN 51819
536050 - 7.5/80-RT	vWk50 ≤ 35	mg	DIN 51819
FE9 tests run (grease service lifetime)			
A/1500/6000-150	F50 ≥ 100	h	DIN 51821-02
<b>Speed range:</b>	Unit	Ball bearings and cylindrical roller bearings	Other roller bearings*)
Speed limit n*dm	mm/min	350,000	200,000

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