

SYN-setral-HSP/N	Nr. 030348
Fully synthetic high speed and spindle grease.	Packaging: 10 x 400g cartridges 10 x 1kg tins 25kg hobbock other packaging on request

Application

Especially designed for lubrication of rolling and plain bearings operating at high rotational speed and / or low temperatures. Typical applications: spindle bearings in textile machinery and machine tools as well as small bearings and precision bearings in precision engineering applications and optical devices. Moreover recommended also for thread and ball spindles, linear drives and linear guidings, moving gears, toothed wheels of small gears and bearings of cable cars.

Characteristics

- Reduces wear and tear
- Steady also at very high speeds
- Excellent corrosion protection
- Avoids stick-slip
- Very good low-temperature properties
- Wide temperature range
- Resistant to oxidation and ageing

Method of use

- Application manually or by automatic dosing.
- Clean and degrease lubrication points carefully prior to application. For this CLEAN-setral-AN/U spray is specially suited.
- The minimum shelf life in original sealed containers, stored in a cool and dry place (no direct sunlight) is about 3 years.
- Due to the variety of applications we highly recommend to always carry out corresponding tests prior to general use.

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Technical data

Colour	beige		DIN ISO 2049
Base oil	synthetic		
Thickener	Lithium complex soap		
Density, 20°C	0.95	g/cm ³	in house
Base oil viscosity at 40°C	27	mm ² /s	DIN 51562
Base oil viscosity at 100°C	5.5	mm ² /s	
Viscosity index	144		DIN ISO 2909
Consistency class	2	NLGI grade	DIN 51818
Cone-Penetration	260 – 280	1/10 mm	DIN ISO 2137
Penetration drop after 50h/80°C	< 50	1/10 mm	ASTM D1831/11
Drop point	> 240	°C	ISO 2176
Copper corrosion, 24h/100°C	1	rating	DIN 51811
Steel corrosion (EMCOR) dist. Water	0/0	rating	DIN 51802
Four ball weld load	2400	N	DIN 51350-4
wear test 150kg/1min	< 1.8	mm	DIN 51350
nd _m factor deep groove ball b.	1.750.000	mm/min	
Temperature range	- 50 – + 130	°C	
Short term max. temperature	+ 150	°C	

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