

## HEVOLIT CSS 320-12

Highly formulated long-term lubricating grease with excellent stability

### Product

HEVOLIT CSS 320-12 is a newly developed long-term lubricating grease based on synthetic base oil (PAO) with high viscosity. The consistency enhancer is an extraordinarily stable calcium special soap. In a special manufacturing process, the high-quality components of polyalphaolefin, special calcium soap and a coordinated additive technology are processed into an innovative lubricating grease. In addition to its outstanding thermal and mechanical stability, HEVOLIT CSS 320-12 has an enormous load-carrying capacity, while at the same time providing excellent water and media resistance.

HEVOLIT CSS 320-12 is reversible, i.e. it retains its consistency and excellent anti-lubricating and anti-corrosion properties, even under the influence of very high water. Due to the thermal stability, its original structure is completely regressed after cooling to room temperature. As a result, components are optimally protected against corrosion, premature wear or failure. The wide service temperature range, as well as the excellent properties, allow industry and OEMs a wide range of applications.

### Applications

HEVOLIT CSS 320-12 is ideally suited as Long-term lubricating grease for thermally and mechanically extremely stressed rolling and plain bearings, joints or other sliding pairings, etc. HEVOLIT CSS 320-12 retains its excellent properties even when applications are affected by the influence of water, seawater, temperatures, loads, vibrations, etc. in addition, be physically stressed.

### Quality

- **Long-term lubrication**
- **optimum water and media resistance**
- **very high load-carrying capacity**
- **Improved friction and wear behaviour**
- **best low- and high-temperature behavior**
- **excellent corrosion protection properties**
- **high adhesion force**
- **good sealing effect**

### Application Note

- Please clean components or other lubrication points thoroughly before use, degrease them if necessary. We recommend our special degreaser HELVOSYT BRS or a similar product for cleaning.
- The product can be applied with automatic systems or manually, e.g. by grease gun.
- In the case of bearing lubrication, the manufacturer's instructions must be observed.
- Free of substances that interfere with paint wetting (LABS-free), e.g. silicones or silicone-containing substances.

## HEVOLIT CSS 320-12

Highly formulated long-term lubricating grease with excellent stability

### Technical characteristics

Item No.	372
Color	brown
Structure	smooth
NLGI Class	2-1
Temperature range of application	-30 °C to +160 °C
Short-term to	+180 °C
Dropping point DIN ISO 2176	> +300 °C
Basic oil	Polyalphaolefin (PAO)
Consistency giver	Calcium special soap
Base oil viscosity DIN EN ISO 3104 at +40 °C	ca. 320 mm <sup>2</sup> /s
Oil separation 168h/40 °C DIN 51 817	1,1%
VKA Welding force DIN 51 350-4	5400 N
Walkpenetration DIN ISO 2137	280-310
Water resistance DIN 51 807-2	0-90
Corrosion protection, DIN 51 802	≤ 1 Corrosion grade
Corrosion effect on copper, DIN ISO 2160	1-120 Corrosion grade
Torque low temperature at -40 °C Start Run	624 mNm 72 mNm
Flow pressure at 1400 mbar DIN 51 805	-33 °C
Speed factor (n x dm)	300.000
Designation	KP 2-1 R-30
The shelf life from the date of manufacture is, if stored properly (closed original container, frost-free, dry and protected from direct sunlight)	5 years

Our products are subject to the strictest production controls and meet our own factory specifications. The technical characteristics of this brochure are based on the standards tested according to standards. However, their values change due to application-specific influences (e.g. chemical, thermal, dynamic stress). A guarantee with regard to properties or suitability for use can therefore not be derived from our information. In principle, we recommend carrying out practical tests or, if necessary, laboratory tests.

## HEVOLIT CSS 320-12

Highly formulated long-term lubricating grease with excellent stability

### Delivery containers

### Packing unit

PULL-OFF CARTRIDGE – 400 GR	10 PCS / 24 PCS
LUBE-SHUTTLE CARTRIDGE – 400 GR	10 PCS / 24 PCS
PE CAN – 1 KG	6 PCS
PE BUCKET – 5 KG	
PE-HOBBOCK – 25 KG	
STEEL LIDDED DRUM – 180 KG	
Other containers on request	

### CLP/GHS Regulation (EC) No. 1272/2008

No labeling requirement (as of 06/2015)

### Safety Data Sheets

You can request our current safety data sheets from us via our website, by e-mail or by telephone.

*"Expertise in lubricants"* means 4 decades of experience in research and development of tribological solutions. Specialization and flexibility make us a powerful partner for our customers. Application and process reliability are our top priorities. Our specialty lubricants ensure smooth cost-effectiveness.

**Schmierstoff-Technik René Völkel**  
**Telgenkamp 36**  
**48249 Dülmen / Germany**  
**T. +49 (0) 2594 91742-00**  
**F. +49 (0) 2594 91742-20**  
**info@schmierstoffe.de**  
**www.schmierstoffe.de**

**Certified company**  
**DIN EN ISO 9001 / 14001 / 21469**