



# Starplex<sup>®</sup> HT 1

## High performance heavy duty lithium complex grease

### Product description

Starplex HT 1 is a high performance heavy duty lithium complex grease designed to offer mechanical stability and adhesion in high load situations where vibration with elevated temperatures are present, and promotes protection in a range of wet or corrosive environments.

Starplex HT 1 combines mineral oil and polymer, with an additive system based on bismuth technology and designed to provide robust oxidation and corrosion protection, with high performance bearing wear resistance.

### Customer benefits

- Promotes heavy and shock load protection in a range of applications
- Offers good pumpability in centralised lubrication systems
- High adhesion and water washout resistance
- High temperature equipment protection
- Dependable oxidation stability

### Product highlights

- **Heavy and shock load protection**
- **Pumpability in centralised systems**
- **Water washout resistance**
- **High temperature protection**
- **Oxidation Stability**

## Applications

- Starplex HT 1 offers protection in applications at elevated temperatures such as heavily loaded bearings and in wet and corrosive environments.

Other recommended heavy-duty applications include:

- Construction, agricultural and mining
- Pellet machines
- General industrial applications
- Paper and pulp equipment
- Marine applications

## Approvals, performance and recommendations

### Performance

DIN 51 502	ISO 6743-09	Operating temperature
KP1.5N-20	ISO-L-XBDIB1.5	-20°C up to 140°C with frequent lubrication up to 220°C

Typical test data		
Test	Test Methods	Results
Viscosity Grade		NLGI 1.5
<b>Shelf Life: 24 months from date of filling indicated on the product label</b>		
Appearance	—	Smooth, orange
Thickener type	—	Lithium Complex
Base oil type	—	Mineral/polymer
Base oil viscosity at 40°C, mm <sup>2</sup> /s	DIN 51 562-1	550
Cone Penetration Grease worked 60 strokes	ISO 2137	295-315
Dropping Point	Mettler	265,5
Copper Corrosion (24 h. / 100°C)	DIN 51811	1 B
Four Ball Wear Greases DIN	DIN 51350/1.5	0,530
Four Ball EP Greases DIN	DIN 51350/1.4	3600
Water Resistance Static Greases 90°C / 3 hours	DIN 51807/1	1

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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