



## SKF LGHB 2/50

High load, high temperature, high viscosity bearing grease

A high viscosity, mineral oil based grease, using the latest complex calcium-sulphonate soap technology. Formulated to withstand high temperatures and extreme loads, it is suitable for a wide range of applications, especially in cement, mining and metal segments. This grease contains no additives and the extreme pressure properties arise from the soap structure.

### Technical specifications

| Dimensions                                               |     |
|----------------------------------------------------------|-----|
| Corrosion protection, Emscor, ISO 11007, Distilled water | 0-0 |

| Performance                                                                                  |                        |
|----------------------------------------------------------------------------------------------|------------------------|
| Suitable for High load applications                                                          | ●●●●●                  |
| Suitable for Vertical shaft applications                                                     | ●●●○○                  |
| Suitable for applications with Oscilating movements                                          | ●●●●●                  |
| Suitable for applications with Severe vibrations                                             | ●●●●○                  |
| Suitable for applications that require Rust protection                                       | ●●●●●                  |
| Suitable for applications that require Water resistance                                      | ●●●●●                  |
| Suitable for applications that require Frequent start-up                                     | ●●●●●                  |
| Operating temperature range                                                                  | Array °C               |
| Load Range                                                                                   | Low - Very High C/P >0 |
| Speed Range                                                                                  | Very low - Medium      |
| Dropping point (min) ISO 2176                                                                | 300 °C                 |
| Penetration DIN ISO 2137, Worked, 60 strokes (10 <sup>-1</sup> mm)                           | 265 - 295              |
| Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 <sup>-1</sup> mm             | -20 to +50             |
| Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 <sup>-1</sup> mm | -20 to +50             |
| Mechanical stability, V2F test, 144 hrs                                                      | M                      |
| Corrosion protection, Emscor, ISO 11007 modified, Water washout                              | 0-0                    |
| Corrosion protection, Emscor, ISO 11007 modified, 0.5% NaCl                                  | 0-0                    |
| Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C                                          | 1                      |
| Oil separation DIN 51817, 40°C, %                                                            | 1-3 at 60°C            |
| Lubrication ability, R2F test B at 120°C                                                     | Pass at 140°C          |
| Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C                               | 2 max. at 150°C        |
| Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C                | 1000 at 130°C          |
| EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N                                | 2 mm                   |
| EP performance - 4 ball - Weld load (min.) DIN 51350/4                                       | 4000 N                 |

| Properties                             |                                                                     |
|----------------------------------------|---------------------------------------------------------------------|
| Recommended applications               | Plain bearings;Conveyors;Applications with high loads and low speed |
| Category                               | Bearing grease                                                      |
| Lubricant                              | LGHB 2                                                              |
| NLGI consistency class                 | 2                                                                   |
| Base oil viscosity DIN 51562 at 40 °C  | 425 mm²/s                                                           |
| Base oil viscosity DIN 51562 at 100 °C | 27.5 mm²/s                                                          |
| Biodegradable                          | No                                                                  |
| DIN 51825 code                         | KP2N-20                                                             |
| Thickener                              | Calcium sulphonate complex                                          |
| Colour                                 | Brown                                                               |
| Base oil type                          | Mineral                                                             |
| Shelf life                             | 5 year                                                              |
| Available for single point lubrication | yes                                                                 |

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 50 kg       |
| eClass code        | 23-06-01-01 |
| UNSPSC code        | 15121902    |