Food Grade Grease for Harmonic Drive Gears

HarmonicGrease® HFL-1

High Efficiency

- Efficiency is equivalent to our standard SK-1A grease.
- 10 to 15% increase in efficiency compared to traditional food grade grease.
- Durability is also equivalent to our standard SK-1A grease.

Efficiency Comparison Chart

<table>
<thead>
<tr>
<th>Efficiency</th>
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<tbody>
<tr>
<td>80%</td>
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<tr>
<td>70%</td>
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<tr>
<td>65%</td>
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NSF H1 Registered Food Grade Grease

Harmonic Grease® HFL-1 is NSF H1 certified, and approved for use in food processing equipment. H1 class lubricants only contain FDA approved ingredients and can be used in environments where there is the possibility of incidental food contact.

We developed this grease because it was challenging to meet our performance standards for both gear efficiency and durability when conventional food grade greases were used in HarmonicDrive® gears. HarmonicGrease® HFL-1 food grade grease offers the same performance characteristics as our standard grease SK-1A.
Our food grade grease can be applied to gears and bearings

HarmonicDrive® gear
Cross roller bearing
Support bearing

Efficiency Characteristics*

![Graphs showing efficiency characteristics for different greases and speeds]

Food grade grease HFL-1
Conventional food grade grease A
Conventional food grade grease B

* CSF-20-100-2A-GR, rated torque

Please contact us when you are considering food grade grease for HarmonicDrive® gears

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