APPLICATION

The WLP lubricating pinion has been designed for use in wind power stations (azimuth, pitch) or for industrial applications (excavators, mills, rotary kilns, winches, etc.). It was developed to lubricate open gears or gear rims in which the shaft can be positioned either vertically or horizontally. The WLP lubricating pinion is in mesh with the pinion that is to be lubricated and it transfers the lubricant to the latter’s tooth flanks.

PRODUCT CHARACTERISTICS

- Lubricant: Grease
- Modules: 12, 14, 16, 18, 20, 22, 24
- Number of teeth: 8
- Width: 90, 115, 140, 165, 190 mm
- Material: PU and aluminium

ADVANTAGES

- exact and pinpoint dosage of lubricant, which prevents excessive lubrication
- no need for any additional control
- possibility of customised solutions for special applications
- increases the system’s service life
- low-maintenance and user-friendly

DESIGN

The WLP lubricating pinion is composed of two different gearwheels. The polyurethane (PU) gearwheel stores the lubricant while the aluminium gearwheel provides a higher resistance to increased stress. Both types of pinions are mounted alternatively in a sandwich construction to form a complete lubrication pinion. The quantities of the individual gearwheels depend on the width of the pinion to be lubricated. The pump and the lubricating pinion are connected by means of a centrally positioned push-in connector. A pipe or a hose can be used as a lubrication line.

FUNCTION

The WLP lubricating pinion has an internal copper bearing, which has a large number of boreholes. These boreholes are connected by means of channels to the outlets (lubricating grooves) on the aluminium gearwheels. The special arrangement of these lubricating grooves ensures that only the lubricant outlet openings on the tooth flank which is in mesh at that moment are connected to the supply of lubricant from the pump. This prevents excessive lubrication. The rotary movement of the WLP lubricating pinion ensures an even distribution onto the tooth flanks that are to be lubricated.
### A. LUBRICATING PINION TYPE

<table>
<thead>
<tr>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>WLP</td>
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### B. MODULES

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### C. Revision

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### D. TEETH NUMBER

<table>
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### E. WIDTH

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<tbody>
<tr>
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<tr>
<td>140</td>
</tr>
<tr>
<td>165</td>
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<tr>
<td>190</td>
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</tbody>
</table>
F. POSITION OF INLET
Bracket retainer and inlet at the same side  01
Bracket retainer and inlet at the opposite side  02

SPECIFICATION
Module : ..................................................................................................................  12, 14, 16, 18, 20, 22, 24
Teeth number : ...............................................................................................................................................  8
Width : ...................................................................................  90 mm, 115 mm, 140 mm, 165 mm or 190 mm
Temperature range : ...............................................................................................................  - 40° to + 80° C
External diameter of inlet tube : ................................................................................................................. Ø 6
Lubricant : ................................................................................................................................. Grease NLGI class 000 to 2
EXAMPLE OF ORDER

<table>
<thead>
<tr>
<th>Lubricating pinion-type WLP</th>
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<tbody>
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<tr>
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<tr>
<td>Width</td>
<td>Code: 115</td>
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<tr>
<td>Position of inlet</td>
<td>Code: 01</td>
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<tr>
<td>bracket and inlet at the same side</td>
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</tbody>
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For smooth motion