LUBRICATING PINION

CHARACTERISTICS

- GREASE DISTRIBUTOR MADE OF STAINLESS STEEL;
- POROUS AND ABSORBENT SPONGE;
- EXCELLENT LUBRICANT DISTRIBUTION;
- AVAILABLE IN A VARIOUS MODULES

IDEAL FOR THE LUBRICATION OF RING GEARS AND RACKS

The Dropsa lubricating pinion which is a substitute for laborious lubrication of ring gears and racks.

This solution saves time and money because it allows for the automatic application of a precise amount of lubricant.

The unit is composed of a central shaft made of stainless steel wrapped in an absorbent sponge that its use for heavy-duty applications.

The lubricating pinion rotates with the movement of the rack; due to the rotation, the lubricant is automatically deposited onto the rack, then, by means of the central shaft supply, the sponge obtains new lubricant from the pump unit.

ADVANTAGES

- *The **grease is applied uniformly** and systematically onto all of the rack's parts;*
- *No more skill is required on behalf of the operator;*
- *The **amount of grease** discharged can be determined with **precision** by using the lubrication system;*
- *Labour costs are reduced to a minimum;*

The task of lubricating is never forgotten!

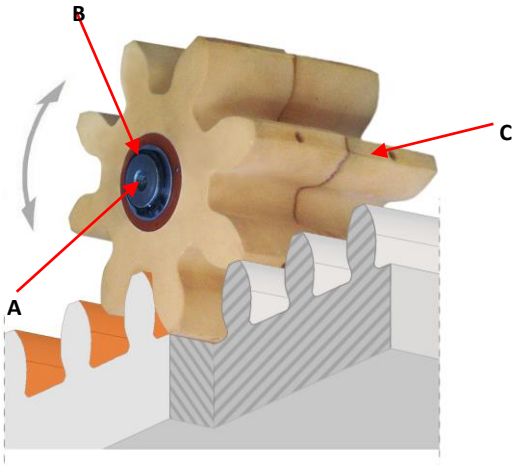
APPLICATION EXAMPLE

Gear lubrication for rotation of the wind turbines

APPLICATIONS

- **WIND ENERGY:** BLADE-PITCH GEAR RACK
- **INDUSTRIES:** TOWER CRANE; MOBILE EQUIPMENT.

OPERATING PRINCIPLE



The lubricant is injected by means of the lubricant input (A).This pressurizes the stainless steel distributor (B).

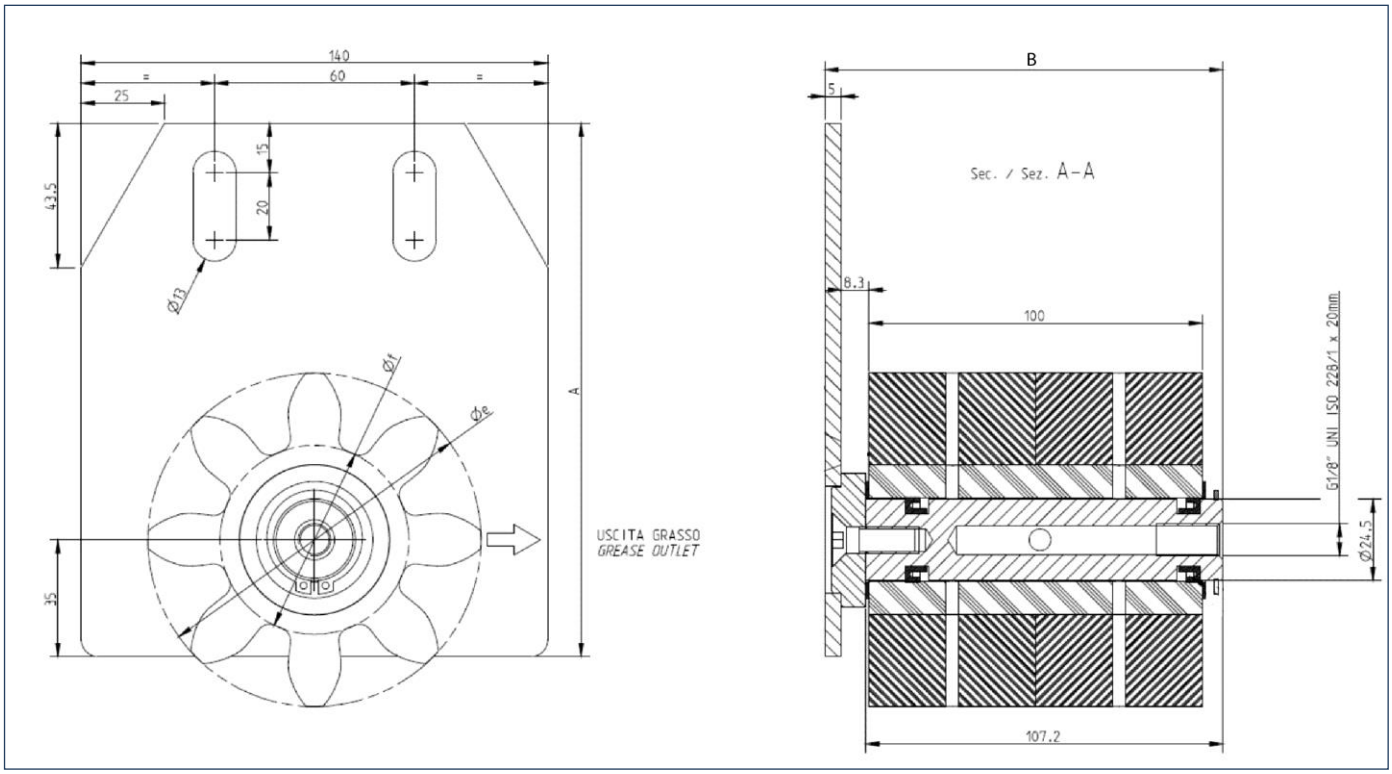
The distributor has a certain number of radial holes (C) that convey the lubricant to the end of the pinion.

While the pinion is driven by the movement of the rack, the grease on the lubrication pinion it evenly distributed over the entire surface.

LUBRICATING PINION

GENERAL SPECIFICATIONS	
Permitted lubricants	*Grease above NLGI2*
Operating temperature	*-30°C ÷ + 60°C*
Pinion module	*10,12,14,16,18,20,22,24*
Device width	*Customised*
Operating pressure	*3 ÷ 20*

DIMENSIONS (NOT TO SCALE)



ORDER INFORMATION

MODULE	TEETH	Øe	Øf	A PLATE LENGTH	B TOTAL HEIGHT	PART NUMBER
M 6	Z 12	Ø84	Ø72	160	68.3	**310806**
M 10	Z 8	Ø100	Ø80	160	68.3	**310809**
M 10	Z 8	Ø100	Ø80	160	119.5	**310810**
M 12	Z 8	Ø120	Ø96	160	119.5	**310812**
M 14	Z 8	Ø140	Ø112	160	119.5	**310814**
M 16	Z 8	Ø160	Ø128	160	119.5	**310816**
M 18	Z 8	Ø180	Ø144	200	119.5	**310818**
M 20	Z 8	Ø200	Ø160	200	119.5	**310820**
M 22	Z 8	Ø220	Ø176	200	119.5	**310822**
M 24	Z 8	Ø240	Ø192	200	119.5	**310824**
M 24	Z 8	Ø240	Ø192	200	319.5	**310830**
M 24	Z 8	Ø240	Ø192	200	219.5	**310832**

Distributor info: