



### C) Relubrication of Gear Boxes

The gear bearings are lubricated through grease nipples once a year or so. Below is shown the arrangement of the grease nipples on the two gear types. The gear tooth racks on the worms and wheels are, as a rule, never lubricated. However, in case of trouble of control, making handling difficult, a penetrating and almost screaming sound will indicate a lack of lubrication. In such cases, a relubrication of the tooth racks is necessary. For gear type C or D, a removal of the gear covers is necessary to make the gear parts accessible. The lubrication paste is then applied to all tooth racks of both worms and worm wheels in a layer of about 1 mm. (Concentrated powdered molybdenum disulphide cannot be recommended, as layer thickness here is too thin).

#### Recommended lubricant:

For bearings, worms and gears: BCH G10.

Gear Type C and D are supplied with 2 threaded drain plugs – one in the cover of the gear, the other in the bottom. One of these plugs has a pressure relief valve. Please notice: This plug is always placed in the lower of the 2 thread holes.

The lubricant gun type BC-1 is manual operated, which means the lubricant is pressed into the valve by a high pressure piston pump, when the arm is moved. By turning the handle at the rear end of the gun, the lubricant is pressed forwards against the piston pump. The handle is turned approximately 1/2 turn for each two/three strokes. The lubricant is delivered in 300 ccm cartridges.

