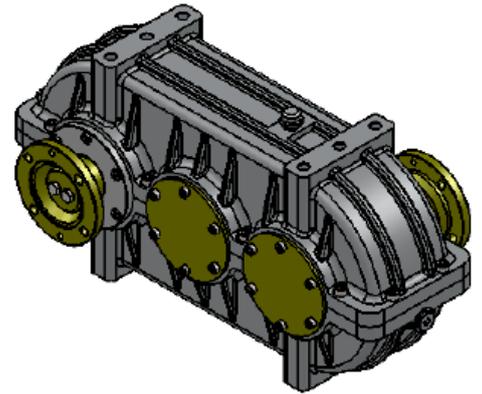


KRD.11

THREE AXIS SET UP REDUCER (GEARBOX)



1. INTRODUCTION

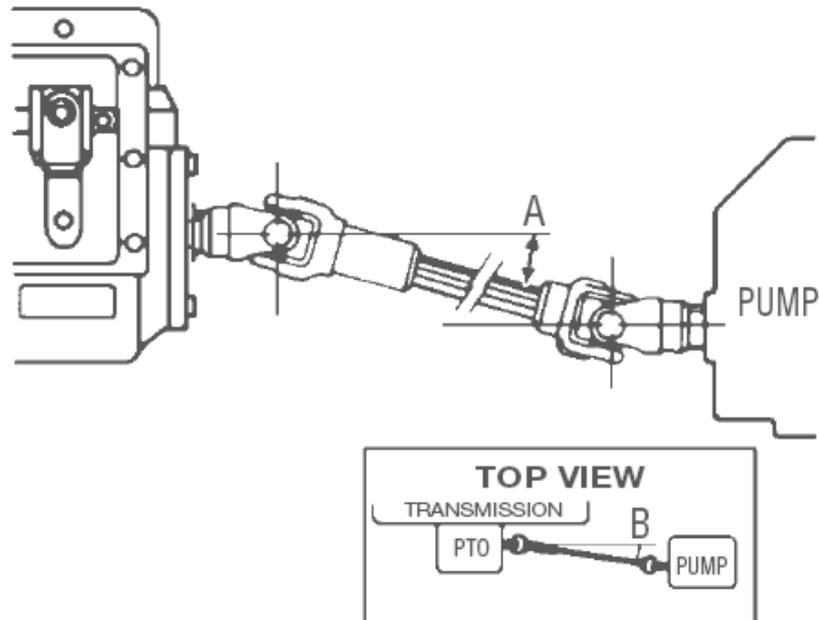
KRD.11 is a set up reducer mostly used with firefighting trucks, sewage truck, road cleaning truck, Cleaning combination machines, in order to decrease or increase the rotation and sometimes to change the direction of rotation.

This gearbox forwards the rotation to the desired equipment by increasing or decreasing it. This gearbox has three axes, so, the received rotation is forwarded with the same direction. Action is transferred directly. It can not be engaged or disengaged.

2. INSTALLATION

The oil must be put into the gearbox before installing. The gearbox should be fixed after the position adjustment. The shaft angle should be taken under consideration (5°-12°). Otherwise extra noise would be noticed for larger angles. According to the connection of the reducer, air vent plug must be set as to remain above. (If it is necessary, the air vent plug must be replaced with a blind plug).

Max. Speed (RPM)	Max. TJA "A"
3500*	5°
3000*	5°
2500	7°
2000	8°
1500	11°
1000	12°



3. TECHNICAL INFORMATION

INPUT

Max. continuous mounting torque	1098 (Nm)
Max. momentary mounting torque	1650 (Nm)
Max. Rpm	2500 – 3300 rpm

OUTPUT

Direction Of Rotation	Opposite of input
Reached ratio	1 /1

4. SERVICES

4.1 Services and Oil filling

The reducer is dispatched without oil. Definetly the gearbox must not be engaged without oil. Before the engaging, oil must be filled in the reducer using oil filling mechanism. This process should be done on the ground level. It should be filled up to the filling plug. The oil should be absolutely clear and recomended (80W90 gearbox oil or the other equivalent oil). If used the other oil (not recommended), the reducer will be non warrantable.

5. MAINTENANCE

5.1 Oil Indicator Control

Oil level must be checked via oil level plug. Leakage control should be done monthly. The maintenance should be done before and after long working hours.

This process should be done on the ground and while the truck is stopped. If the oil level is less than it should be, the oil must be filled.

5.2 Oil Change

After first 100 work hours, the oil changing should be done. The oil changing should be done while the oil is hot. You can do this process by opening the removing cap. The filling cap should be opened in order to speed up this process. The removing cap must be cleaned, before the engaging. The next oil changes should be done per 500 hours or once a year. Please be sure that the old oil is completely removed. Because, mixing new and old oil, can shorten the life of the product.

Important

When you change the oil, please don't touch the hot oil. When you destroy the old oil, please take into consideration the laws of your country. Please don't pollute the environment.

5.3 Oil leakage

Please control the oil leakage periodically. If you notice the oil leakage, please change the oil.

5.4 General Equipment Control

Please check the equipment periodically. Please check the mounting hardwares, the drivetrain and the transmission crankshaft.

6. Measurements

