

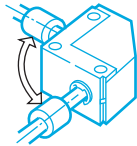
2.6 Precaution of usage for B-SET

Please do not use torque that exceeds Allowable transfer capability.

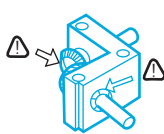
Avoid overhang load action to input and output shafts. If there is overhang and thrust loads to gear shafts of the B-SET, it is necessary to design an extra preventable function. (Refer to Fig. 10)

Installation precaution (For efficient use of B-BOX)

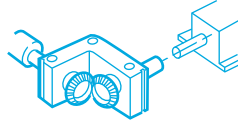
- ◇ To prevent damage to the gear shafts, gear shaft of B-SET and mating shaft must be aligned at right angle before assembly.
- ◇ Before operation, it is necessary to confirm smooth rotation of shafts by operating with hand.



- ◇ Beware of fingers or waste objects getting caught in a snap ring.

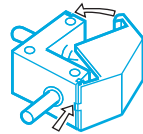


- ◇ To prevent damage to the gear shafts, provide accurate parallelism and shaft centre between gear shaft of B-SET and mating shaft before assembly.



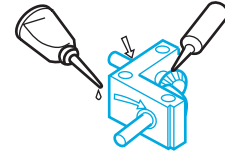
- ◇ Ensure that the body of B-SET is properly covered by plastic cover before starting the machine.
- ◇ Follow steps ① and ② for instruction to properly cover the plastic cover and handle the cover with care.

- ① Set the convex area of plastic cover to overlap the concave groove properly.
- ② Push the convex area of plastic cover into the concave groove of body perfectly.

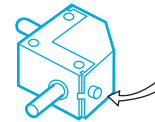


② Push the convex area of plastic cover into the concave groove of body perfectly.

- ◇ Apply grease to the Tooth and lubricant oil to bearings regularly. Beware of running out of oil.



- ◇ If there is a possibility that the plastic cover might come off during operation, use bolts to secure the plastic cover.



Beware of damaging the bearings and surrounding area when additional drilling is carried out on the B-SET.

Before operation, test run with no load is recommended to check for faults or noise.

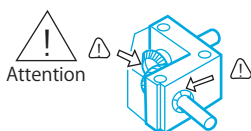
Use flexible coupling to reduce misalignment between shaft of B-SET and mating shaft.

Beware of dust and particles clogging the bearing and Toothing.

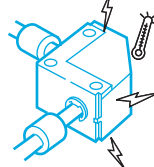
When the gear is rotating at high speed at ratio 2:1, noise level and temperature will increase but power transfer will decrease. The opposite is true at low speed.

During operation (For safety purposes, please pay attention to the followings below)

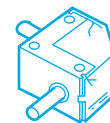
- ◇ Do not touch the gearbox during operation.
- ◇ Beware of waste objects being caught in the snap ring at the back of body.



- ◇ Stop operation and check for faults if there are any problems such as unusual sound and high temperature occurring from gearbox. Do not start the machine until the faults has been cleared.



- ◇ Plastic cover is available for purchase as spare parts for maintenance use when time to be replaced due to aged deterioration.

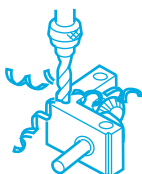


Precaution of additional works

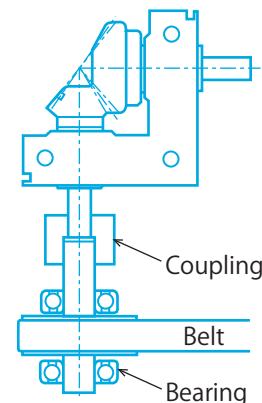
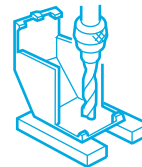
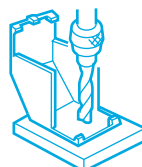
(Take note to be careful to prevent loss of function when making additional machining works to B-SET)

To avoid damage to B-BOX, please do not hesitate to contact us if uncertain of details.

- ◇ Before additional machining, ensure that bearing and gear portions are covered, so that waste objects will not contaminate it.
- ◇ For additional machining to Drill hole diameter, do not exceed limitation of drill holes sizes. Refer to reference Figure from page 74.



- ◇ Put a support plate under the plastic cover when doing additional drilling works. Put a support plate under the plastic cover. Plastic cover may break.



The last characters A, B in the catalogue number for the items indicate different shaft dimensions.

A: Types of standard shaft diameter

B: Types of thicker shaft diameter

Fig. 10. Reference solution for overhang load