

May. 2020

Dear Valued Customers

Notice of Design Change Part of TOPBALL TK type

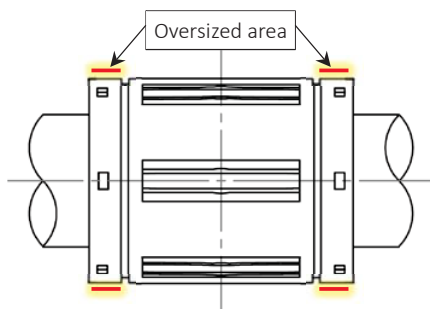
We appreciate your continued business.

Please be advised that part of our TOPBALL TK type will be changed due to its mold renewal. Please be aware of following points when press fitting TK type into the housing. However, TK-OP type will not be changed because of no press fitted.

1. Sizes and Date of Change

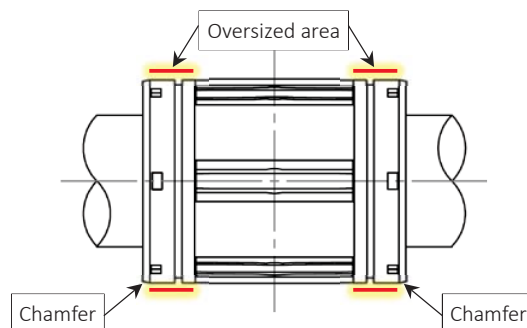
TK 16 and 20: Applying to items shipping after July 2020.

Other remaining all sizes: will be noticed in advance accordingly after completion of each mold renewal.



2. Current Part

Outer diameter of outer cylinder on the outer sides than the ring grooves is oversized for press fit.



3. New Part

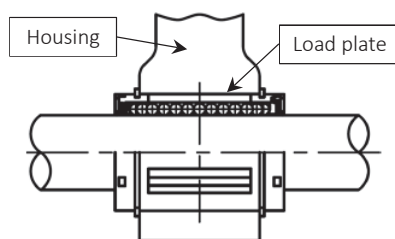
Oversized area of outer cylinder from the sides of load plate is wider than current part, and also both ends of outer cylinder are chamfered.

4. Advantage of New Part

Below figure shows, there is clearance on current part of outer cylinder when using retaining rings for fit. (Since load plate will contact the housing by inserting the shaft, it can be used without any problem.)

By oversized area of new part of outer cylinder on both sides of ring groove, press fitting into the housing is effective without clearance.

Chamfers on both ends of new part of outer cylinder are useful to easily insert despite press fit.



Please contact NB for details.

Sincerely,