

支承座及固定法兰的设计

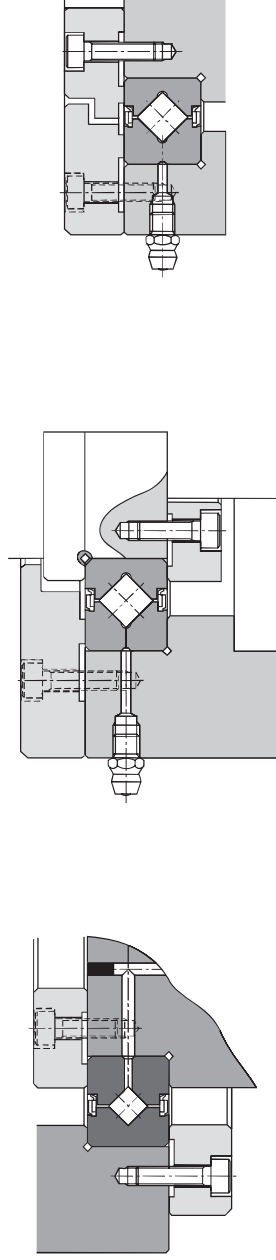
Designing the Housing and the Presser Flange

因交叉滚子轴承是薄壁小型结构，所以要充分考虑支承座或固定法兰的刚性。（如图2）

当外圈是分割型时，如果支承座或固定法兰及固定螺栓的刚性不足，就不能均等地固定内环或外环，在承受力矩负荷时轴承将产生变形，因此，滚子的接触区域会变得不均匀，轴承的性能就会显著地降低。

Since the Cross-Roller Ring is a compact, thin device, special consideration must be given to the rigidity of the housing and the presser flange. (Figure 2)

With types having a separable outer ring, insufficiency in the strength of the housing, the flange or the presser bolt will result in the inability to evenly hold the inner or outer ring, or will cause deformation of the bearing when a moment load is applied. Consequently, the contact area of the rollers will become uneven, causing the bearing's performance to significantly deteriorate.



a. 旋转部中的外圈旋转
内外环固定后，装配重机身部的例子

a:Outer ring rotating in the swiveling unit:
An example of mounting the heavy body part after securing the inner and outer rings of the Crossed roller bearings.

b. 旋转部中的内环旋转（配备密封挡板）

b:Inner ring rotation with the swiveling unit (with seals attached)

c. 旋转部的内外环在同方向固定（配有密封挡板）

c:The inner and outer rings are secured in the same direction in the swiveling unit(with seals attached)

图2 Figure2