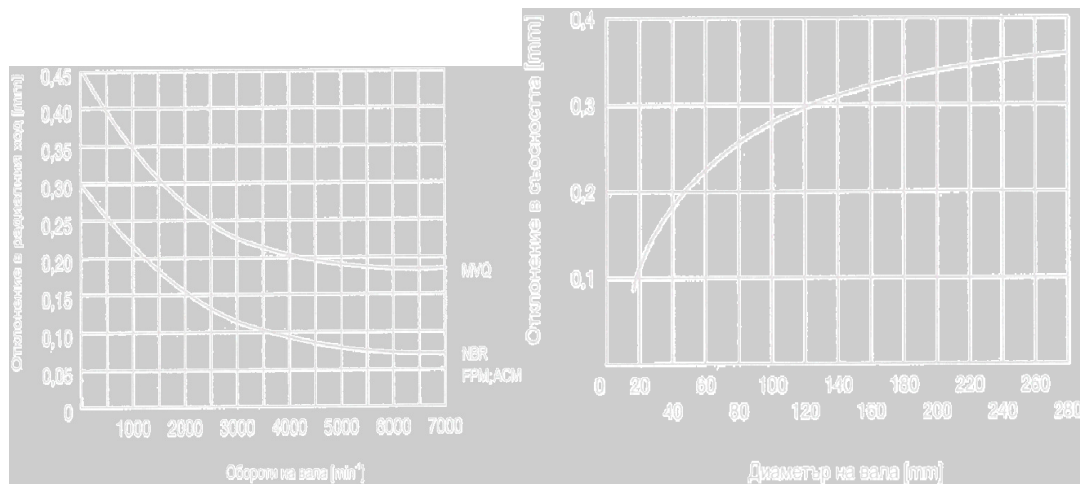


Alignment

Holes for attachment of the bearing and shaft and housing should be located centrally as possible to each other, since a gap between the shaft and the hole for attaching the body leads to incorrect positioning of the sealing edge and thus to uneven distribution of down force on the edge. Centering tolerances should not exceed certain limits, otherwise unilateral and high-load condition and tension can expand the width of the chassis and the resulting trace due to loss of down force can cause bad sealing of the opposite side.



Eccentricity

Deviation move in the radial shaft can lead to uneven friction sealing ring on the edge of the radial shaft. This overload of the sealing lip in turn leads to faster wear and tear, due to which there is a short lifetime durability and leaks. It is best if possible to avoid the dynamic eccentric shaft. Minimum deviation in the radial speed is compensated by the elastic action of the sealing lip.