

## SKF single-row angular contact ball bearings reference



SKF high performance, bearing series added a new member high reliability Explorer -[SKF row angular contact ball bearings](#). By optimizing the product bearing internal design, not only bearing performance is improved, but also can help compressors, pumps and gear boxes and other industries to improve overall performance, thereby further reducing the overall life cycle cost of the equipment.

By improving the design of the bearing holder copper, SKF Explorer hierarchy this 40 ° angle contact ball bearing reduces noise and vibration levels, improved performance, as compared with the previous design, speed limit increased by 30%.

SKF single row angular contact ball bearing retainer with a new and more robust shape brass material, reducing the contact stress and improve the strength of the cage, but also improve the

acceptance of the shock loads and vibrations, to ensure that the bearing can be harsh work environment to run at a higher speed.

In addition to the improved design of a [contact angle of 40 ° series](#), SKF Explorer level row angular contact ball bearings may also provide a contact angle of 25 ° series. Compared with the version 40 °, 25 ° contact angle on the rotation speed further increased by 20% in order to withstand higher radial loads. 2 versions 40 ° and 25 °, the ball cage arranged to be held in contact for lower operating temperatures and better thermal stability operation, while bearing noise and vibration levels reduced by 15%. SKF Explorer level row angular contact ball bearings and bearing may be used 40 ° 25 ° bearing set manner, wherein a contact angle of 40 ° the main bearings under axial load, while a contact angle of 25 ° as a back-up bearing bearing, the bearing is suitable to the presence of the group bidirectional axial force, wherein a force applied to the axial direction of the main load, the load is insufficient to produce back-up bearing is prevented slipping, achieve a longer service life.

[SKF Explorer bearings](#) are level bearing design, tribology, metallurgy, lubrication and processing technology research and development field for many years and accumulated expertise in the results achieved. Seeking low temperature, high speed screw compressor, high efficiency and high reliability of bearings, gear boxes and pumps in industries such as, SKF new 40 ° and 25 ° Explorer level row angular contact ball bearings is attractive choice, to make products stand out from the competition.

