

State-of-the-Art Protection for Your Bearings

Introducing the Next-Generation SAF Housings from Schaeffler

Completely redesigned and reengineered, Schaeffler's new generation of SAF housings feature numerous improvements that ensure optimal bearing performance in a broad range of applications. Designed to meet the industry standard for SAF 500 series pillow block housings, they combine exceptional load carrying capacity with reliable performance and unsurpassed versatility. Schaeffler's all-new lineup of SAF housings can accept a full range of shaft diameters from 1-3/8 inches to 8 inches.

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FAG

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SAF D 5 24 X 0403 U

STANDARD DESIGNATION
Split housing / inch dimension

HOUSING MATERIAL
Gray cast iron
D Ductile iron

HOUSING SERIES
222.. Spherical roller bearing with tapered bore

UNIVERSAL
Seals, locating ring, grease fittings, endcover included

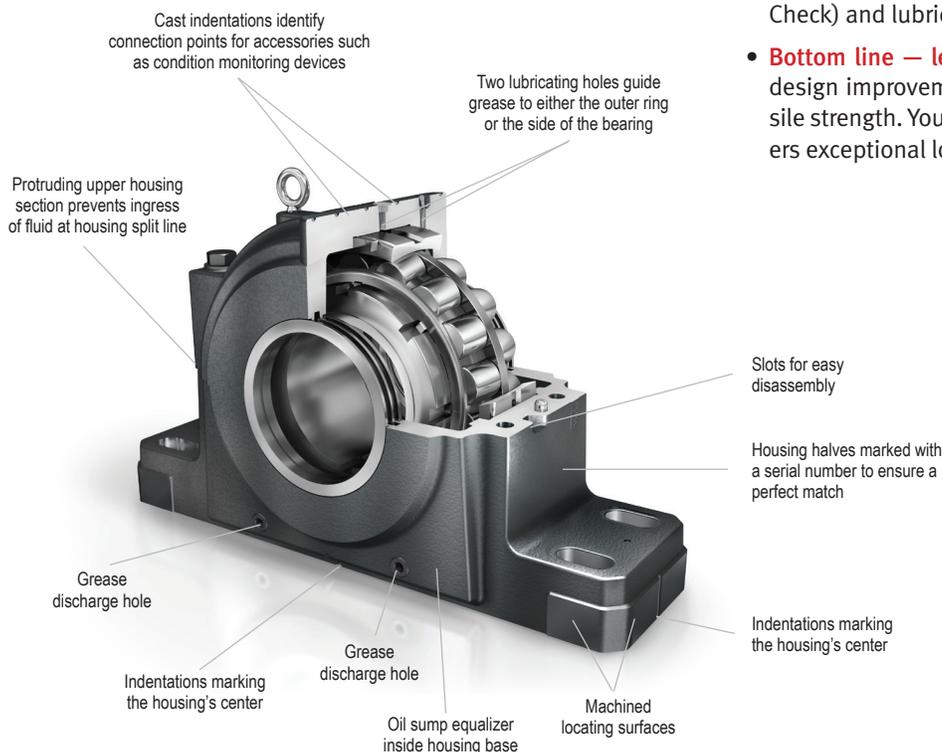
SHAFT DIAMETER
4-3/16 inch

SHAFT DIMENSION
X inch dimension
XM metric dimension

BORE REFERENCE NUMBER

At a glance: 10 essential advantages of Schaeffler's new and improved SAF bearing housings

- **Versatile and incredibly capable:** Designed for FAG spherical roller bearings series 222..K and – for even less downtime and unmatched ease of installation – FAG split spherical roller bearings series 222S..
- **Maximum flexibility:** Schaeffler's new SAF housing accommodates floating bearings as well as locating bearings (using the included stabilizing ring).
- **Designed around your needs:** Available housing materials (choose from gray cast iron or ductile cast iron) enable you to tailor your bearing housing solution to your application and budget.
- **The complete package:** Both material types are available as a universal housing design (designated with a "U" suffix) that comes complete with a full set of accessories: two standard triple-seal rings with O-ring for the corresponding inch shaft sizes (triple-seal rings for most metric shaft sizes available separately), stabilizing ring, end cover, and grease fitting.
- **Superior protection against contamination:** In addition to the included standard triple-seal ring (also known as a non-contact radial labyrinth - or LER – seal), Schaeffler's new SAF housing can also be equipped with SuperTac II taconite seals for severe operating conditions.
- **Optimal lubrication under all conditions:** Two lubricating holes that guide grease to either the outer ring or the side of the bearing as well as precisely machined discharge holes on each side of the block prevent lubricant starvation – regardless of the housing's orientation.
- **Suitable for oil lubrication:** Features include labyrinth seals with O-ring as well as oil sump equalizer holes in the housing's base.
- **Precise mounting assured:** Markings clearly identify the center of the housing, while machined locating faces enable quick and accurate positioning.
- **Industry-leading expandability:** Each housing includes multiple predefined connecting points for attaching condition monitoring sensors (such as Schaeffler's palm-sized FAG Smart-Check) and lubrication systems.
- **Bottom line – less downtime:** Sophisticated computer-aided design improvements significantly increase the housing's tensile strength. You benefit from a more robust housing that delivers exceptional load carrying capacity.



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