



## SKF YSA 213-2FK

### Insert bearing with tapered bore and adapter sleeve locking

Insert bearings are based on sealed deep groove ball bearings. This variant, with a tapered bore, is suitable for applications with both constant and alternating directions of rotation. It is locked with an adapter sleeve, enabling quick and easy mounting onto the shaft. Adapter sleeve needs to be ordered separately.

## Technical specifications

| Dimensions                                               |                                                                                                                                                      |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bore diameter of sleeve                                  | 60 mm                                                                                                                                                |
| Outside diameter                                         | 120 mm                                                                                                                                               |
| Width of sleeve                                          | 65 mm                                                                                                                                                |
| Width of inner ring                                      | 43.5 mm                                                                                                                                              |
| Width of outer ring                                      | 27 mm                                                                                                                                                |
| Outside diameter of inner ring                           | 82.5 mm                                                                                                                                              |
| Outside diameter of lock nut                             | 85 mm                                                                                                                                                |
| Distance from locking device side face to raceway centre | 35.2 mm                                                                                                                                              |
|                                                          | Value specified for $s_{>1}$ is approximate and before the sleeve is driven into the bearing bore (sleeve and inner ring bore at starting position). |
| Shaft diameter                                           | 60 mm                                                                                                                                                |
| Bore diameter                                            | 65 mm                                                                                                                                                |
| Width, total                                             | 43.5 mm                                                                                                                                              |
| Width, inner ring                                        | 43.5 mm                                                                                                                                              |
| Width, outer ring                                        | 27 mm                                                                                                                                                |

| Calculation data          |            |
|---------------------------|------------|
| Basic dynamic load rating | 57.2 kN    |
| Basic static load rating  | 40 kN      |
| Fatigue load limit        | 1.7 kN     |
| Limiting speed            | 3000 r/min |
| Calculation factor        | 15         |

| Mounting information                      |       |
|-------------------------------------------|-------|
| Associated spanner                        | HN 13 |
| Recommended tightening angle for lock nut | 100 ° |

| Associated products |        |
|---------------------|--------|
| Adapter sleeve      | H 2313 |

| Performance               |            |
|---------------------------|------------|
| Basic dynamic load rating | 57.2 kN    |
| Basic static load rating  | 40 kN      |
| Limiting speed            | 3000 r/min |

| Properties                    |                             |
|-------------------------------|-----------------------------|
| Retaining feature, inner ring | Adapter sleeve              |
| Bore type                     | Tapered                     |
| Rolling elements              | Balls                       |
| Outer ring type               | Spherical                   |
| Inner ring extension          | Symmetrically on both sides |
| Cage                          | Non-metallic                |
| Rubber seating ring           | Without                     |
| Material, bearing             | Bearing steel               |
| Coating                       | Without                     |

|                       |                                |
|-----------------------|--------------------------------|
| Sealing               | Seal and flinger on both sides |
| Sealing type          | Contact, standard              |
| Lubricant             | Grease                         |
| Relubrication feature | With                           |

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 1.31 kg     |
| eClass code        | 23-05-08-02 |
| UNSPSC code        | 31171536    |

**SKF drawings**

