



SKF 31317/DF03

Matched tapered roller bearings arranged face-to-face

Matched tapered roller bearings arranged face-to-face (X-arrangement, load lines diverge towards the bearing axis) accommodate high radial loads and axial loads in both directions. The precision manufactured intermediate ring between the outer rings enables a defined internal clearance or preload to be achieved when mounted. Matched tapered roller bearings are typically used in gearboxes, hoisting equipment, rolling mills, and machines in the mining industry.

Technical specifications

Dimensions	
Bore diameter	85 mm
Outside diameter	180 mm
Width, total	89 mm
Width, inner ring	82 mm
Width, outer ring	89 mm
Contact angle	28.8 °

Performance	
Basic dynamic load rating	510 kN
Basic static load rating	570 kN
Reference speed	2200 r/min
Limiting speed	3800 r/min
SKF performance class	SKF Explorer

Properties	
Bearing part	Complete bearing
Number of rows	2
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Sheet metal
Matched arrangement	Face-to-face (X)
Number of bearings in matched set	2
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	With
Indicative carbon footprint for new product	35.9 kg CO ₂ e

Logistics	
Product net weight	9.99 kg
eClass code	23-05-09-10