



SKF BT4-8124 E/C550

Four-row tapered roller bearing

Four-row tapered roller bearings can accommodate combined heavy radial and axial loads at low to moderate speeds. They are used almost exclusively in work roll applications such as rolling mills. SKF manufactures four-row tapered roller bearings in TQO and TQI designs, in many variants and with different features.

Technical specifications

General	
Design variant/feature	TQON/GW
Bore type	Cylindrical with helical groove

Dimensions	
Bore diameter	440 mm
Outside diameter	580 mm
Total bearing width over inner rings	360 mm
Total bearing width over outer rings	360 mm
Abutment diameter shaft	464 mm
Abutment diameter housing	525 mm
Chamfer dimension inner ring	2.5 mm
Outer ring radius (chamfer)	7.5 mm
Width, total	360 mm
Width, inner ring	360 mm
Width, outer ring	360 mm
Contact angle	16.5 °

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	6200 kN
Basic static load rating	14300 kN
Fatigue load limit	1080 kN
Comparative radial load rating	1530 kN
Comparative axial load rating	336 kN
Thrust factor	1.3
Limiting value	0.44
Calculation factor	1.5
Calculation factor	2.3
Calculation factor	1.4

Performance	
Basic dynamic load rating	6200 kN
Basic static load rating	14300 kN
SKF performance class	SKF Explorer

Properties	
Bearing part	Complete bearing
Design	TQO
Number of rows	4
Locating feature, bearing outer ring	Without
Bore type	Cylindrical with helical groove
Cage	Sheet metal
Arrangement of contact angle (double-row bearing)	Not applicable
Matched arrangement	No
Coating	Without
Sealing	Without
Lubricant	None

Relubrication feature	With
Candidate for remanufacturing	Yes
Indicative carbon footprint for new product	924 kg CO ₂ e
Indicative carbon footprint for remanufactured product	324 kg CO ₂ e

Logistics	
Product net weight	257 kg
eClass code	23-05-09-10

SKF drawings

