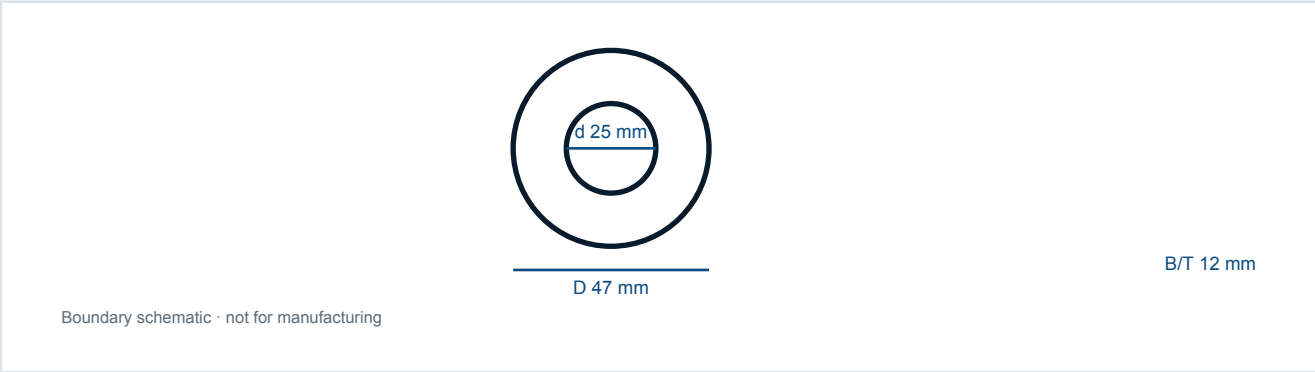


CONTROLLED RFQ DATASHEET

6005 Deep Groove Ball Bearing

6000 Series · Document status: RFQ BASELINE · PERFORMANCE VALUES REQUIRE MAINLAND ENGINEERING RELEASE



Field	Published RFQ baseline / release rule
Boundary dimensions	25 × 47 × 12 mm (d × D × B/T)
Reference mass	Released on the approved model drawing
Basic dynamic load C	Released for the approved internal design
Basic static load C0	Released for the approved internal design
Reference / limiting speed	Released after closure, cage and lubricant selection
Chamfer / abutment limits	Released on the approved model drawing
Precision	Normal class baseline; P6 only to approved inspection limits
Internal clearance	CN baseline; C3 optional after application review
Seal / closure	Open, 2Z/ZZ or 2RS
Cage	Pressed steel
Lubrication	General-purpose, low-noise, high- or low-temperature grease by review

ORDERING CONFIGURATION

Available suffixes	OPEN 2Z/ZZ 2RS C3 P6 grease code
Ordering examples	6005 6005-2Z 6005-2RS 6005/C3 6005-2RS/C3
Standard reference	ISO 15 boundary dimensions; ISO 492 tolerance framework
MOQ / lead time	From 100 pcs/model · 15-25 working days
Typical applications	Electric motors; pumps; fans; gearboxes; conveyors

DATA CONTROL NOTICE

Boundary dimensions are published for RFQ comparison. Mass, C, C0, speed, chamfers, exact tolerance limits and internal-clearance values are not universal commercial values. They are released only after Mainland confirms the internal design, closure, cage, lubricant and inspection scope. Do not use unreleased values for bearing-life, thermal-speed or shaft/housing calculations.