

Turbo Shafts & Bearings

RXA-SB

High-speed turbine shafts, journal bearings, thrust bearings and related rotating components for turbocharger repair.



Product division: Automotive Components

Datasheet type: Product-family selection and compliance template

Commercial status: Final manufacturer, dimensions, performance and availability are confirmed in the quotation.

Standards, editions, conformity route and supporting documents are confirmed against the exact manufacturer, configuration, intended use and customer specification before order acceptance.

Selection data and supply scope

Component types	Turbine shaft/wheel, journal bearings, thrust bearings, spacers and collars
Identification required	Turbo model, component dimensions and repair reference
Materials	High-temperature alloy and bearing materials according to design
Critical data	Journal diameters, thrust geometry, fits, clearances and rotation
Inspection	Dimensional and surface checks as agreed
Documentation	Manufacturer reference, inspection evidence and traceability as available

Capabilities and typical applications

Key capabilities	Typical applications
Shaft-and-wheel and individual bearing components	Turbo overhaul
Journal and thrust systems	CHRA repair
Dimensions and material matched to turbo family	Workshop inventory
Assembly cleanliness and balance requirements considered	Rotating assembly service

Applicable standards and technical references

The references below are a review framework. Only the standards applicable to the exact product, material, size, configuration and intended use are stated as confirmed in the quotation and final manufacturer documentation.

Area	Reference	Applicability / evidence
Quality management	ISO 9001 / IATF 16949 where applicable	Manufacturer quality-system evidence confirmed for selected source
Product identification	OEM part number / engine code / vehicle application	Compatibility confirmed against traceable reference information
Balancing / performance	Manufacturer / OEM test specification	Applied to rotating assemblies where relevant
Dimensions / materials	ISO / SAE / OEM specifications	Applied according to component and application requirement
Vehicle requirements	Applicable UNECE / EU type-approval provisions	Reviewed only where the supplied component is within scope
Traceability	Manufacturer batch / serial controls	Confirmed according to supply route and product type

EU conformity and product status

EU conformity status	Reviewed according to the exact component, vehicle application and supply route
CE marking	Normally not applicable to general replacement turbocharger components unless specific EU legislation requires it
Type approval / OEM evidence	Confirmed where relevant to the component and intended vehicle application
Documentation	Part-number matching, dimensional verification, test evidence and traceability supplied as agreed

COMPLIANCE CONTROL

Standards, editions, conformity route and supporting documents are confirmed against the exact manufacturer, configuration, intended use and customer specification before order acceptance.

Documentation available where applicable and agreed

Manufacturer datasheet	Final source data for the selected model and configuration
Certificate of Conformity	Product and order reference confirmation according to the agreed source
Material Test Certificate	EN 10204 type 2.2, 3.1 or 3.2 where requested and available
Inspection / test records	Dimensional, pressure, hydro, performance, balancing or functional reports as applicable
Process certificates	Heat treatment, coating, surface finish or other manufacturing records where required
Traceability	Batch, heat, lot or serial records according to product and supply route

Information to include with the enquiry

1	Product, manufacturer, model, part number, drawing or sample reference
2	Quantity, required delivery date, intended application and operating conditions
3	Materials, dimensions, critical performance requirements and customer specifications
4	Mandatory standards plus required EU declarations, certificates, inspection records and document language