

Pins & Couplings

RXC-PC

Precision pins and coupling components for alignment, location, load transfer and power transmission.



Product division: Precision 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	Pins, dowels, clevis pins, coupling hubs, sleeves and related parts
Required data	Drawing, loads, fits, material, treatment, finish and quantity
Materials	Alloy steel, stainless, bronze and specified materials
Treatment	Hardening, nitriding, grinding or coating as specified
Inspection	Diameter, geometry, hardness, finish and fit-related characteristics
Documentation	Material, heat-treatment and dimensional reports as agreed

Capabilities and typical applications

Key capabilities	Typical applications
Dowel, clevis, hinge and special pins	Machine joints
Rigid, sleeve and custom coupling parts	Drive systems
Heat treatment and wear-resistant coatings	Fixtures and tooling
Controlled fits and surface finish	Replacement assemblies

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	Manufacturer certificate and scope verified for the selected source
Drawing interpretation	ISO GPS / ASME Y14 series	Applied according to customer drawing convention
General tolerances	ISO 2768 or drawing-specific tolerance scheme	Applied only where stated on the approved drawing
Geometrical tolerancing	ISO 1101 / ASME Y14.5	Applied according to the drawing and inspection plan
Surface texture	ISO 21920 / drawing requirement	Applied according to stated finish and measurement method
Materials / treatment	EN / ASTM / AMS / customer specifications	Exact material, heat treatment and coating confirmed per order
Inspection	ISO / customer inspection plan	CMM, VMM, micrometer, gauge or other method agreed per order

EU conformity and product status

EU conformity status	Determined by the function of the finished component and the equipment into which it is incorporated
CE marking	Not automatically applicable to an individual machined component
Customer technical file	Drawing revision, material, inspection and traceability records supplied as agreed
Documentation	Certificate of conformity and manufacturing records available according to order requirements

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