

ENGINEERING REFERENCE

Quality & Inspection Reference

A practical framework for defining an application and agreeing the evidence needed for a project decision.

Material and identity

Define grade, material identity, batch linkage and the documents required for incoming verification.

Dimensions and appearance

Identify critical features, datum scheme, measuring method, edge or chip limits and the sampling plan.

Magnetic verification

Select the property to measure: material properties, surface field, flux, pole pattern or complete-component function.

Environmental verification

Specify the exposure method, sample condition, duration and pass/fail criterion, including the post-test functional check.

PROJECT CHECKLIST

Make the review actionable.

Traceable records

Agree the relationship between part revision, lot, equipment, results and packing identification.

Project documents

Define inspection reports, material documents, first-article or customer-specific quality records in the project scope.

Evidence before shipment

Request the batch evidence and viewing arrangement needed for your project. A photo or video supports review but does not replace agreed inspection results.

Release and change control

Set the responsible approval roles, deviation route and notification requirements before production changes.

Define the next step.

Share your drawing, application conditions and target quantity for a material or assembly review.

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ABOUT THIS EDITION

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Source: Empire Magnets existing product catalogue and technical-library archive. For a project-controlled specification, request an engineering review.