

Custom Grinding Wheel Specification

Technical form for selecting a suitable grinding wheel specification according to the machine, workpiece, grinding process and operating conditions.

1. Customer Details

Company / customer

Company ID / VAT ID

Address

Plant

Contact person

E-mail

Telephone

Annual grinding-wheel consumption (optional)

2. Grinding Machine

Machine type

Machine manufacturer

Year of manufacture

Last overhaul, if known

Grinding-wheel speed (m/s)

Machine speed (rpm)

Flange diameter (mm)

Workpiece speed (rpm)

Feed rate (mm/min)

Longitudinal feed on X axis

Cross feed on Y axis

Machine notes

3. Grinding Process

Select one or more grinding operations according to the technical illustrations.

 ☐ External cylindrical - peripheral plunge grinding	 ☐ Internal cylindrical - peripheral plunge grinding	 ☐ Surface - peripheral plunge grinding	 ☐ Rotary - peripheral plunge grinding
 ☐ External cylindrical - longitudinal feed	 ☐ Internal cylindrical - longitudinal feed	 ☐ Surface - longitudinal feed	 ☐ Rotary - longitudinal feed
 ☐ External cylindrical - face plunge grinding	 ☐ Surface - face plunge grinding	 ☐ Rotary - face plunge grinding	

Other operation - description

4. Workpiece & Application

Workpiece / component

Material hardness

Material condition

Surface before grinding

Minimum profile radius

Workpiece material

Basic workpiece dimensions

Required stock removal

Required final surface

Application description

Current Grinding Wheel

Wheel dimensions

Manufacturer

Grit

Tolerance

Wheel speed (m/s)

Oscillation frequency

Number of cycles

Contact pressure

Additional current-wheel information

Wheel shape

Designation / specification

Number of wheels in the set

Problems and shortcomings

Workpiece speed

Workpiece feed rate

Infeed length

Grinding time

5. Dressing & Coolant

Dressing method

Dressing removal

Coolant type / dry grinding

Dressing or coolant notes

Dresser specification

Dressing cycle

Flow / pressure

6. Attachments & Review

You may attach a photograph of the current grinding-wheel label, a technical drawing of the workpiece or wheel, and other technical documentation.

Attached photograph / file name

Technical drawing / file name

Technical documentation / file name

Date

Additional notes

IMPORTANT

Complete only the information you know. Missing technical parameters can be assessed during follow-up communication. JENPEX manages customer communication and coordinates the technical solution with production; this form does not identify JENPEX as the grinding-wheel manufacturer.

The form can also be completed online at:

www.stockbox.sk/en/products/technical-grinding/custom-grinding-wheel-specification/

Send the completed PDF to jenpex@jenpex.sk.