Pepper Mill Grinder Mechanisms

Standard & Customization Options

3	9	Component Options
Burr Materials	Standard Kis	







JINGHUI
ADVANCED CERAMICS

ISO 9001 Certified

Advanced Manufacturing

Custom Solutions

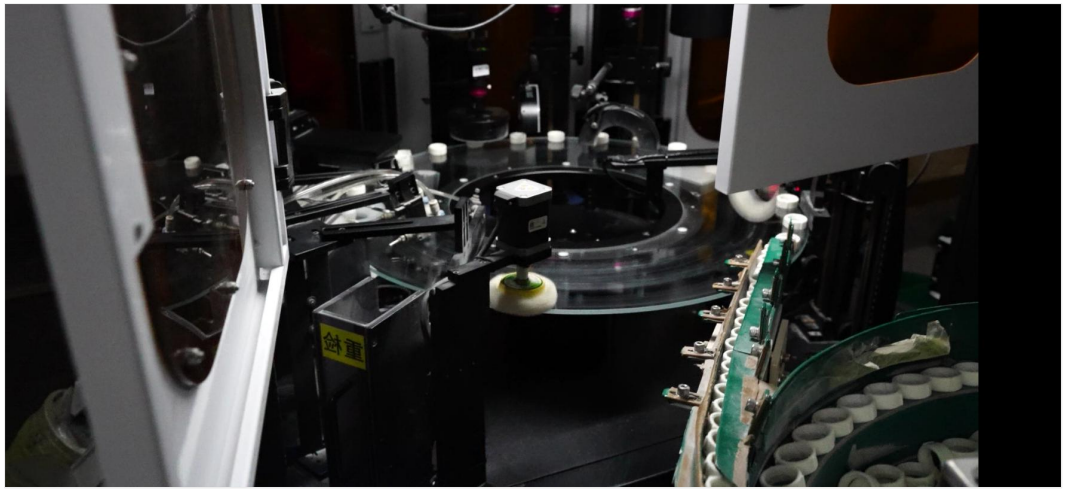
Trusted OEM Partner

About Jinghui

Your Partner for Pepper Mill Grinder Mechanisms

Jinghui Ceramics supplies pepper mill mechanisms and grinding components for pepper grinder manufacturers and brands. Our product range includes ceramic, stainless steel and carbon steel burr options, with standard kits and selected customization options to support different grinder designs.

We work directly with customers to clarify product requirements and help identify suitable mechanism configurations and components.



Why Work With Us

3

Burr Materials

Choose from ceramic, stainless steel and carbon steel burr options to suit your product requirements.

9

Standard Kits

Select from 9 standard pepper mill mechanism kits for different grinder designs.

Component Options

Customize shaft length and choose available component alternatives to match your design.

Classic Ceramic Burr Mechanism Kit

Model No. Type 1

Product Photo



Key Dimensions



Dimensions in mm

Installation Illustration



MOQ = 100 sets. Packaged as separate components.

Illustration for reference only.

Key Information

- **Material**
  Ceramic, aluminum, stainless steel, brass, and plastic.
- **Shaft Length**
  Customizable. Common lengths: 6–8 inches.
- **Optional Component Styles**
  Alternative styles are available for the top knob, anti-rotation washer, and bottom plate.

Ceramic Burr Mechanism Kit with Small Crank

Model No. Type 2

Product Photo



Key Dimensions



Dimensions in mm

Installation Illustration



MOQ = 3000 sets. Packaged as separate components.

Illustration for reference only.

Key Information

- **Material**
  Ceramic, aluminum, stainless steel, zinc alloy, and plastic.
- **Shaft Length**
  Customizable. Common lengths: 6–8 inches.
- **Optional Component Styles**
  Alternative style is available for the bottom plate.

Ceramic Burr Mechanism Kit with Large Crank

Model No. Type 3

Product Photo



Key Dimensions



Dimensions in mm

Installation Illustration



MOQ = 500 sets. Packaged as separate components.

Illustration for reference only.

Key Information

- **Material**
  Ceramic, aluminum, stainless steel, zinc alloy, and plastic.
- **Shaft Length**
  Customizable. Common lengths: 6–8 inches.
- **Optional Component Styles**
  Alternative style is available for the bottom plate.

Small Ceramic Burr Mechanism with Pentagonal Shaft

Model No. Type 4

Product Photo



Key Dimensions



Dimensions in mm

Installation Illustration



Illustration for reference only.

MOQ = 500 sets. Partially pre-assembled — The main components are assembled, with the insert supplied separately.

Key Information

- **Material**
  Ceramic, aluminum, stainless steel, and plastic.
- **Shaft Length**
  Customizable. Common lengths: 6–8 inches.
- **Optional Component Styles**
  Alternative style is available for the insert.

Large Ceramic Burr Mechanism with Pentagonal Shaft

Model No. Type 5

Product Photo



Key Dimensions



Dimensions in mm

Installation Illustration



Illustration for reference only.

MOQ = 1000 sets. Partially pre-assembled — The main components are assembled, with the insert supplied separately.

Key Information

- **Material**
  Ceramic, aluminum, stainless steel, and plastic.
- **Shaft Length**
  Customizable. Common lengths: 6–8 inches.
- **Optional Component Styles**
  Alternative style is available for the insert.

Stainless Steel Burr Mechanism with Stainless Steel Shaft

Model No. Type 6

Product Photo



Key Dimensions



Dimensions in mm

Installation Illustration



MOQ = 500 sets. Packaged as separate components.

Illustration for reference only.

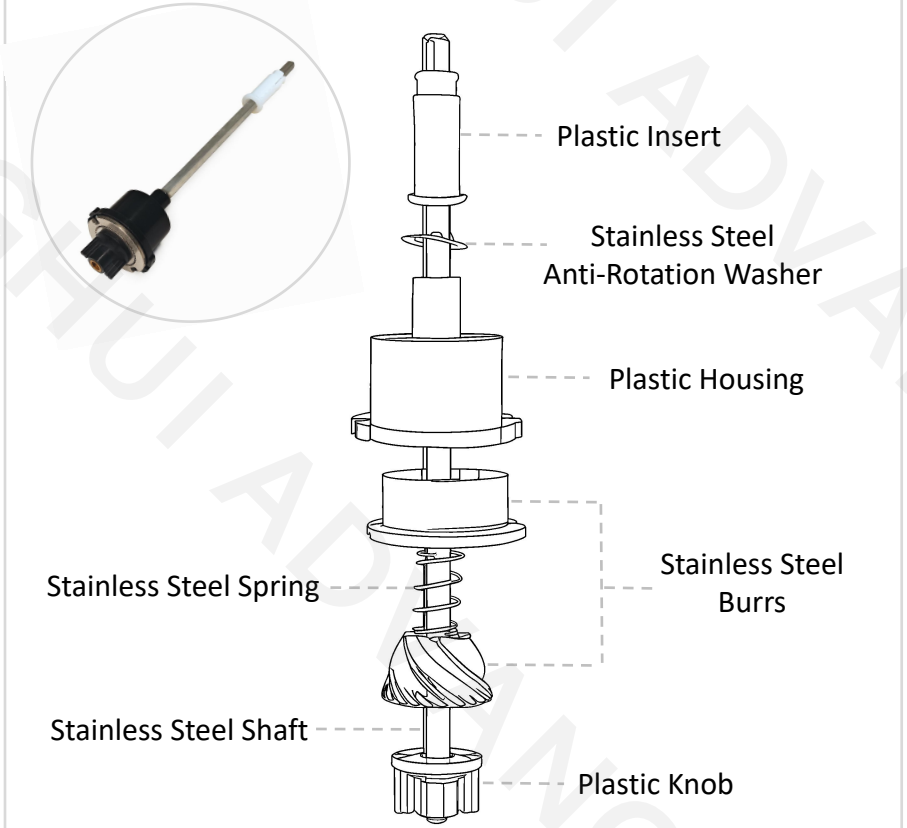
Key Information

- **Material**
  Stainless steel, brass, and plastic.
- **Shaft Length**
  Customizable. Common lengths: 6–8 inches.
- **Optional Component Styles**
  Alternative styles are available for the top knob, anti-rotation washer, and bottom plate.

Stainless Steel Burr Mechanism with Black Plastic Housing

Model No. Type 7

Product Photo



Key Dimensions



Dimensions in mm

Installation Illustration



Illustration for reference only.

MOQ = 1000 sets. Partially pre-assembled — The main components are assembled, with the insert supplied separately.

Key Information

- **Material**
  Stainless steel, and plastic.
- **Shaft Length**
  Customizable. Common lengths: 6–8 inches.
- **Optional Component Styles**
  Alternative styles are available for the insert, shaft, and burrs.

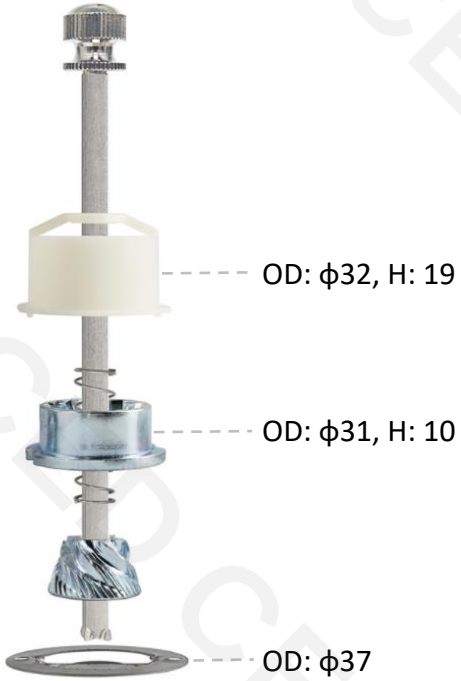
Carbon Steel Burr Mechanism with Stainless Steel Shaft

Model No. Type 8

Product Photo



Key Dimensions



Dimensions in mm

Installation Illustration



MOQ = 1000 sets. Packaged as separate components.

Illustration for reference only.

Key Information

- **Material**
  Carbon steel, stainless steel, brass, and plastic.
- **Shaft Length**
  Customizable. Common lengths: 6–8 inches.
- **Optional Component Styles**
  Alternative styles are available for the top knob, anti-rotation washer, and bottom plate.

Ceramic Burr Mechanism with Short Shaft

Model No. Type 9

Product Photo



Key Dimensions



Dimensions in mm

Installation Illustration



MOQ = 5000 sets. Packaged as separate components.

Illustration for reference only.

Key Information

- **Material**
  Ceramic, aluminum, stainless steel, and plastic.
- **Shaft Length**
  32 mm.
- **Optional Component Styles**
  Not available.

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Pepper Mill Grinder Mechanism Components

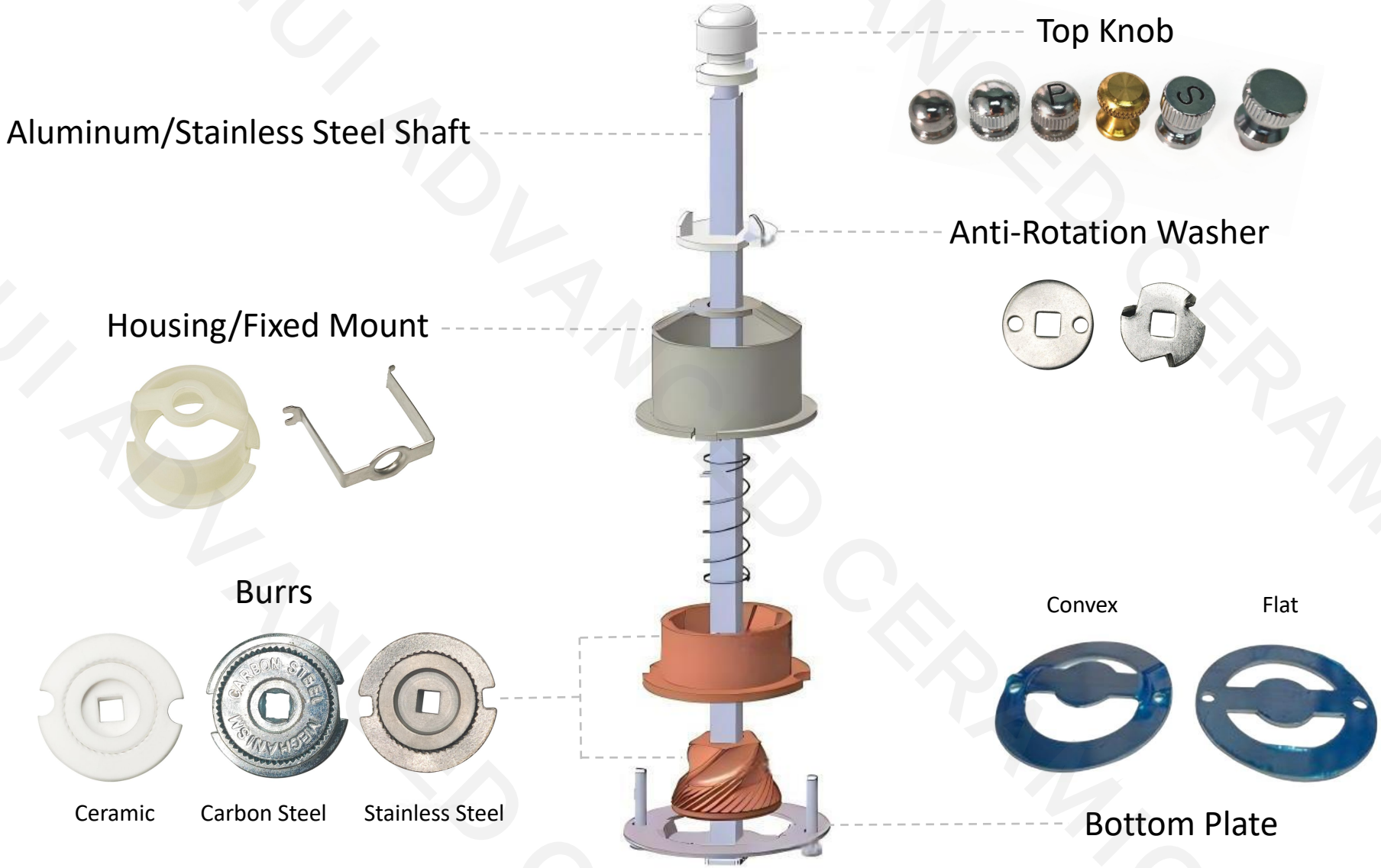
Standard Component Overview

No.	Product Photo	Component Name	Applicable Kits
C01		Ceramic Burrs	Type 1, 2, 3, 9
M01		Stainless Steel Burrs	Type 6
M02		Carbon Steel Burrs	Type 8
M03		Square Aluminum Shaft	Type 1, 2, 3
M04		Short Aluminum Shaft	Type 9
M05		Square Stainless Steel Shaft	Type 6, 8
M06		Brass Top Knob	Type 1, 6, 8
M07		Zinc Alloy Crank	Type 2
M08		Zinc Alloy Crank	Type 3

No.	Product Photo	Component Name	Applicable Kits
M09		Stainless Steel Bottom Plate	Type 1, 2, 3, 6, 8
M10		Stainless Steel Anti-Rotation Washer	Type 1, 6, 8
M11		Stainless Steel Anti-Rotation Washer	Type 1, 6, 8
M12		Stainless Steel Screws	Type 1, 2, 3, 6, 8
P01		Plastic Housing	Type 1, 2, 3, 6, 8
P02		Plastic Konb	Type 9
P03		Plastic Insert	Type 4, 5, 7
P04		Plastic Insert	Type 4, 5, 7
P05		Plastic Insert	Type 4, 5, 7

Optional Components

Alternative Materials & Styles for Standard Kits

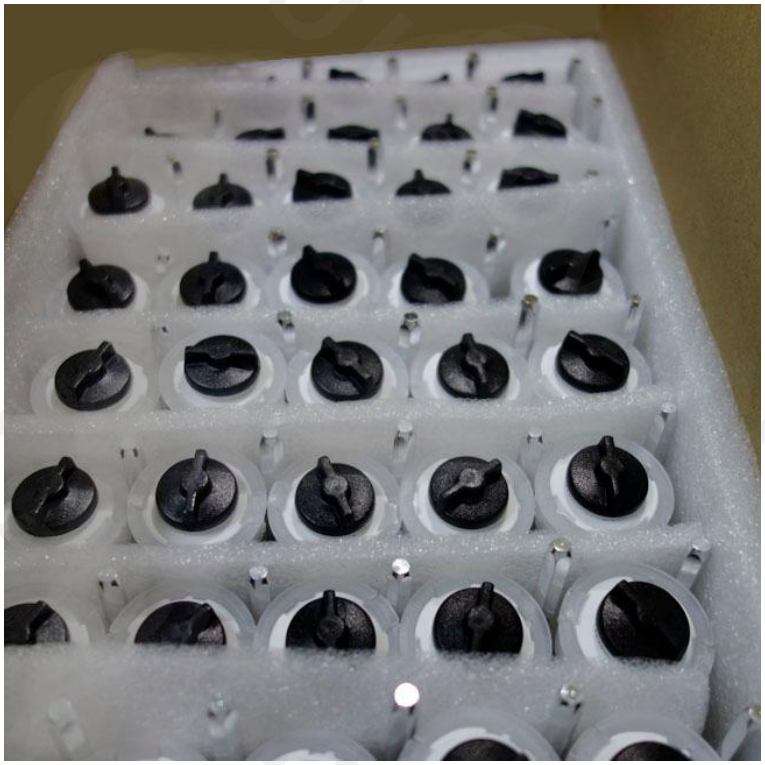


Minimum Order Quantity (MOQ)

The MOQ starts at 100 sets and may vary depending on the selected components and customization options.

Packaging & Delivery

Assembly and delivery details vary by kit model.



Pre-Assembled Kits

Components are assembled before delivery.



Unassembled Kits

Components are packaged separately for customer assembly.

The assembly and delivery status is specific to each standard kit model. Please refer to the individual product pages for details.

Food Contact Compliance Support

Test reports are available for selected components used in our pepper mill mechanisms.



Sample Name: Ceramic grinder
The above sample(s) and information were provided by the client.

SGS Job No.: SZP25-023722
Sample Receiving Date: May 14, 2025
Testing Period: May 14, 2025 ~ May 21, 2025
Test Requested: Select test(s) as requested by the client.
Test Method(s): Please refer to next page(s).
Test Result(s): Please refer to next page(s).

	Test Requirement	Conclusion
1	US FDA CPG Sec.545.400 and CPG Sec 545.450 - Leachable Lead and Cadmium	Pass

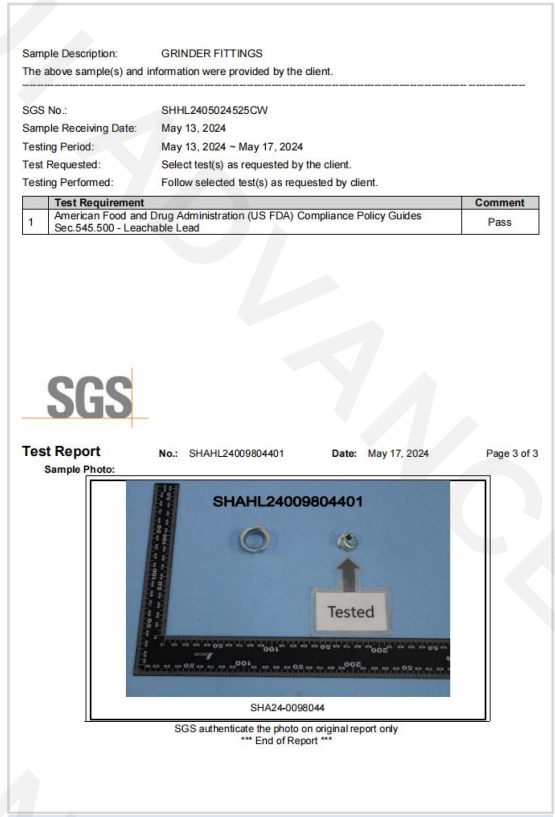
SGS
Test Report No.: CANEC25011033105 Date: May 21, 2025 Page 4 of 4
Sample Photo:
CAN25-0110331-0001.C003
SGS authenticate the photo on original report only
*** End of Report ***

Ceramic Burrs

US FDA Requirements

Leachable Lead and Cadmium

Pass



Sample Description: GRINDER FITTINGS
The above sample(s) and information were provided by the client.

SGS No.: SHHL2405024525CW
Sample Receiving Date: May 13, 2024
Testing Period: May 13, 2024 ~ May 17, 2024
Test Requested: Select test(s) as requested by the client.
Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Comment
1	American Food and Drug Administration (US FDA) Compliance Policy Guides Sec.545.500 - Leachable Lead	Pass

SGS
Test Report No.: SHAHL24009804401 Date: May 17, 2024 Page 3 of 3
Sample Photo:
SHAHL24009804401
Tested
SHA24-0098044
SGS authenticate the photo on original report only
*** End of Report ***

Carbon Steel Burrs

US FDA Requirements

Leachable Lead

Pass



Sample Description: GRINDER FITTINGS
The above sample(s) and information were provided by the client.

SGS No.: SHHL2402007527CW
Sample Receiving Date: Feb 23, 2024
Testing Period: Feb 23, 2024 ~ Mar 11, 2024
Test Requested: Select test(s) as requested by the client.
Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Comment
1	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 - Sensorial examination odour and taste test	Pass
2	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, French Arrêté du 27 Août 1987, French Décret 2007-766 with amendments and DGCCRF MCDA n°1 (V02 – 01/04/2017) - Composition analysis	Pass

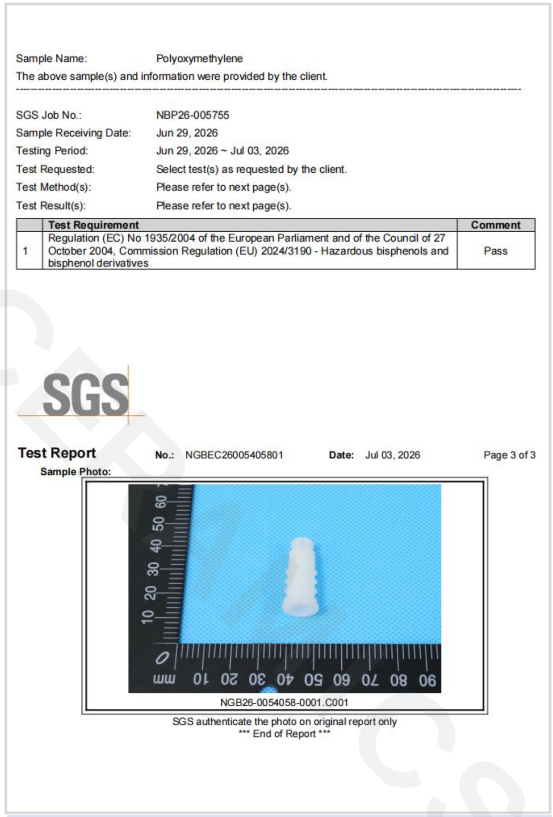
SGS
Test Report No.: SHAHL24003106901 Date: Mar 11, 2024 Page 4 of 4
Sample Photo:
SHAHL24003106901
SHA24-0031069
SGS authenticate the photo on original report only
*** End of Report ***

Aluminum Shafts

EU Requirements

Sensorial examination odour and taste test

Pass



Sample Name: Polyoxymethylene
The above sample(s) and information were provided by the client.

SGS Job No.: NBP26-005755
Sample Receiving Date: Jun 29, 2026
Testing Period: Jun 29, 2026 ~ Jul 03, 2026
Test Requested: Select test(s) as requested by the client.
Test Method(s): Please refer to next page(s).
Test Result(s): Please refer to next page(s).

	Test Requirement	Comment
1	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Regulation (EU) 2024/3190 - Hazardous bisphenols and bisphenol derivatives	Pass

SGS
Test Report No.: NGBEC26005405801 Date: Jul 03, 2026 Page 3 of 3
Sample Photo:
NGB26-0054058-0001.C001
SGS authenticate the photo on original report only
*** End of Report ***

Plastic Inserts

EU Requirements

Hazardous bisphenols and bisphenol derivatives

Pass

Additional testing can be discussed based on the selected components, target market and applicable requirements.





- Your Partner for Pepper Mill Grinder Mechanisms

From standard mechanism kits to selected component options and shaft-length customization, Jinghui supports pepper grinder manufacturers and brands with practical sourcing solutions.

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