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PLANETARY MILLING.

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PRODUCT CATALOG / Grinding Jars

nylon planetary mill jar

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TENCAN / PRODUCT INFORMATION

nylon planetary mill jar

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A polymer-contact milling jar for mixing and compatible powder-processing work.

Overview

A polymer-contact milling jar for mixing and compatible powder-processing work. Its volume, working surface and outer support construction should be checked for the selected machine and material.

How it works

The jar working surface forms part of the contact system between sample, media and mill. Material selection should balance the required mechanical action with chemical compatibility and the acceptable contribution from wear.

Evaluate polymer wear, solvent compatibility and temperature. A nylon working surface should not be described as universally contamination-free.

Key features

- The dimension table lists nominal volumes from 25 mL to 25 L.
- Stainless-steel outer support is listed for 5–25 L versions.
- Custom dimensions and wall arrangements require a model-specific drawing.

Specifications

Published catalog references are reproduced below. Nominal volume is not a sample-mass rating. Confirm the selected model, material grade, electrical supply and complete supplied configuration in the quotation.

Published dimensions and configurations — 1

Model / nominal volume	External diameter (mm)	Internal diameter (mm)	Height (mm)
25mL	63	31	65
50mL	63	43	59
100mL	68	48	76
250mL	88	68	98
500mL	108	88	115
1L	133	109	142
1.5L	133	109	178
2L	158	134	172
2.5L	158	134	202
3L	158	138	210
4L	178	158	226
5L	218	190	217
10L	246	218	307
15L	273	243	372
20L	320	285	359
25L	320	285	424

Applications

Compatible pigment, electronic-material and laboratory mixing or milling studies.

Suitability depends on the actual sample, process and analytical requirements; a listed application is not a guaranteed final-particle-size result.

Accessories and options

Confirm the nylon grade, external support, closure, permitted loaded mass and the exact holder dimensions.

State the required grade, quantities, drawings and destination when requesting a quotation. Confirm what is included, the document requirements, packing and commercial terms; no generic delivery time or universal custom capability is assumed.

Compare milling jars · Compare grinding media · Low temperature planetary grinding machines · Ultrasonic planetary ball mills

Selection guidance

Match nylon to the sample chemistry and the elements or residues that matter to the analysis. Then confirm the dimensions, complete loaded mass and operating arrangement against the selected mill.

Work through the selection guide · Request a configuration quotation

Trials and comparisons

Material/application reference

Glass powder

XQM-40L · Wet milling

- Sample: 2400 g
- Jar: 10 L black nylon jar
- Recorded sampling / duration: 8 h

Recorded observations

Observation	D50 (µm)	D90 (µm)	D97 (µm)
Recorded sample	0.95	6.73	66.61

This is an explicitly labelled XQM-40L record. The nylon formulation and media grade are unspecified. D97 66.61 µm does not support the requested condition that every particle be below 10 µm. No production-throughput or coating-quality conclusion follows.

How to plan a fair comparison

For a nylon comparison, use matched sample portions and the same measurement/dispersion method. State the jar, media, mass/volume loading basis, processing schedule and contamination measurements. A change in material grade alone is not established as the cause of a result.

These anonymous records are not operating instructions. Measurement and dispersion methods are not fully specified in the test summaries; results apply to the reported samples and conditions.

Discuss a matched sample evaluation

Plan your milling configuration.

TENCAN develops and manufactures planetary milling equipment, with application support in Changsha and a production base in Wushi, Hunan.
Share your material, batch size, target particle size and contamination limits. Our team can help confirm the mill, jars, media and electrical requirements, or arrange a sample grinding evaluation.
Reference information applies to the described models and conditions. Confirm the final specification and supplied accessories with TENCAN before ordering.

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Product page https://www.planetaryballmill.com/milling-accessories/jars/nylon-planetary-mill-jar.html
Sample grinding www.planetaryballmill.com/sample-testing/