

TECHNICAL DATA PULVERIZING RING SET



Hauschild SpeedMixer® equipment has been the preferred lab-scale tool for grinding, milling, dispersion, pulverization, and particle size reduction for decades. This is because it is faster, more efficient, and cleaner than equipment like bead mills, ball mills, roll mills, and high shear dispersers. You will find Hauschild equipment performing these types of operations in most modern labs that perform R&D or QC on inks, paints & coatings, pigments, battery slurries, pharmaceuticals, conductive and resistive pastes/inks, ceramics, thermal management materials, and more.

Traditionally, beads or cylindrical grinding media were used to break down agglomerates and particles because they are effective and can be used to closely simulate a variety of production scale equipment. The Pulverizing ring set was developed to address some of the limitations of media-based milling.

- ☛ **Sample separation** – Beads can be difficult to separate from the sample. Pulverizing rings can be retained in the mixing cup with a magnet and the sample can be dumped or poured out.
- ☛ **Energy input** – Energy input with beads or cylinders is limited and may be insufficient or take a longer time. Pulverizing rings are designed to be among the highest energy and most aggressive tools available.
- ☛ **Temperature generation mitigation** – Any time a great deal of work is required to break down / disperse particles, the by-product will be temperature generation. The mass and heat capacity of the pulverizing ring set help to mitigate temperature generation. The set is also very thermally conductive, which causes the sample to cool faster and more efficiently.

Description: Pulverizing rings can be used to mill/grind/pulverize/particle size reduce in wet or dry systems. Set of 3 rings weighs ~120g and fits PP100 series cups.

Part #: 5000000217

Set includes: 3 heat treated 420 stainless-steel rings, heat treated 420 stainless-steel PP 100L cup, PP 100 magnetic retainer to hold rings in place while material is removed



Kit: Grinding rings in stainless steel PP 100 cup + magnet (275g)



Grinding rings in stainless steel PP 100 cup (275g)



Set of 3 grinding rings (120g)

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