

Disk Mill

PULVERISETTE 13 *classic line*

PRODUCT INQUIRY 

Order No. 13.1030.00

TECHNICAL DATA

Working principle	shearing
Optimal for material type	very hard, hard-abrasive, hard-brittle, medium-hard samples and for metal-free grinding
Grinding tools	fixed and movable grinding disk
Materials of the grinding tools	hardened steel cast, manganese steel, hardmetal tungsten carbide, zirconium oxide
Max. feed size (depending on the material)	20 mm
Min. sample quantity	20 - 30 ml
Max. throughput (depends on material)	150 kg/h
Final fineness	0.1 - 12 mm
Feeding	batchwise/ continuous
Rotating speed	grinding disk 440 rpm
Bearings	needle and double row angular contact ball bearings
Electrical Details*(other voltages on request)	400 V/3~, 50 Hz, 1790 watt
Instrument also available in the following voltage (other voltages on request)	200 V/3~, 60 Hz, 2100 watt order no. 13.1020.00
Emission sound pressure level at the workplace according to DIN EN ISO 3746 (depending on the material to be ground)	approx. L_{pAd} = 89 dB
Weight	140 kg
Dimensions (W x D x H)	bench top instrument 44 x 87 x 40 cm

*The three-phase AC version „/3~“ is definitely preferable over a single-phase version „/1~“, since you obtain with the three-phase AC version more power, better effectiveness and a greater energy efficiency.

Please note: the three-phase AC version „/3~“ **must always** be operated on a three-phase supply network.

HIGH FINAL FINENESS IN MINIMUM TIME

Below are examples listed – always in reference to 1 kg feed quantity and 20 mm particle size and arranged by material types from hard to medium-hard.

ORIENTATION GUIDE FOR MATERIALS AND INSTRUMENTS SETTINGS

Material to be ground	Grinding time	Gap setting	Fineness (μm)	Throughput
	(min)	(mm)	90% < x	50% (kg/h) < x

DESCRIPTION

> TECHNICAL DATA

ACCESSORIES

DOWNLOADS

PRODUCT COMPARISON



REGIONAL CONTACT

CONTACT HEADQUARTERS

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Basalt	2.1	1.0		600	28
	3.5	0.1	220	60	17
Clinker	2.0	0.5	900	450	30
	10.0	0.1	220	60	6
Slate	1.4	1.0		1500	45
	2.2	0.1	300	90	27
Hard coal	3.5	1.0		800	17
	13.5	0.1	250	100	4
Limestone	2.0	1.0	1000	420	30
	6.3	0.1	210	100	10
Thomas meal (potash)	1.3	1.0	1000	350	45
	2.3	0.5	350	150	26
Pumice stone	3.5	0.5	600	250	17
	5.0	0.1	150	30	12
Glass	2.5	3.0	4000	2240	25
	3.3	2.0	2500	1600	18
	3.8	1.0	1400	800	16

PLEASE NOTE

The indicated results are to be considered as an orientation guide, since the chemical and physical properties (e.g. residual moisture, morphology, etc.) can vary even with the same material to be ground.