P-15

CUTTING MILL

FRITSCH

TECHNICAL SPECIFICATIONS



EASY WORKING. GREAT RESULTS.

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TECHNICAL DATA

P-15 – Cutting Mill

Working principle	cutting, shearing
Material type	medium-hard, soft, fibrous
Field of application	plastics, textiles, agriculture, forestry, environment, RohS, analytics, construction materials, chemistry, food stuffs
Cutting tools	rotor with straight cutting edges and fixed knives
Materials grinding tools	tool steel, chromium-free steel
Max. feeding size *(depends on material + funnel)*	70 x 70 mm
Max. throughput *(depends on material + sieve size)*	50 l/h
Final fineness *(depends on sieve size – available in further perforations)*	0.25–20 mm
Feeding	batchwise/continuous
Rotor speed	2,800/3,400 rpm
Rotor peripheral speed	14.92/17.9 m/s
Types of funnels	funnel for long and bulk solids, protected funnel with sample pusher
Drive	up to 2.1 kW three-phase motor or single phase motor
Power supply *(depending on voltage)*	3-phase models, 1-phase models
Collection systems / capacities	vessels 1 litres, 3.5 litres or 60 litres
Standards	CE
Emission sound pressure level at the workplace acc. to DIN EN ISO 3746 *(workplace related)*	78 dB
Weight	32 kg
Safety class	IP21
Dimensions (W x D x H)	42 x 48 x 69 cm

ACCESSORIES

P-15 – Cutting Mill

Order no.	Article
	**Instrument without funnel, cutting tool set, sieve insert, collecting vessel and stand**
15.4030.00	for 400 V/3~, 50 Hz, 1,790 W
15.4020.00	for 220–240 V/1~, 50 Hz, 2,150 W
15.4050.00	for 200 V/3~, 60 Hz, 2,140 W
15.4010.00	for 100–120 V/1~, 60 Hz, 1,900 W
	Other voltages on request!
	**Accessories for Cutting Mill P-15**
	Funnels
15.1550.00	funnel for long and bulk solids
15.4300.00	protected funnel with sample pusher
	Collecting vessels
15.4400.00	collecting vessel 3.5 litres
15.4560.00	collecting vessel for large quantities, 60 litres with filter hose
15.4570.00	collecting vessel sample glass, 1 litre, incl. adapter
	Cutting tool set made of tool steel
15.4603.00	rotor with straight cutting edges and fixed knives

Order no.	Article
	Sieve inserts made of stainless steel 316L
45.1200.10	0.25 mm trapezoidal perforation
45.1210.10	0.5 mm trapezoidal perforation
45.1220.10	0.75 mm trapezoidal perforation
45.1230.10	1 mm trapezoidal perforation
45.1240.10	1.5 mm trapezoidal perforation
45.1250.10	2 mm trapezoidal perforation
45.2190.10	2 mm square perforation
45.2200.10	4 mm square perforation
45.2210.10	6 mm square perforation
45.2220.10	8 mm square perforation
45.2230.10	10 mm square perforation
45.2300.10	20 mm square perforation
	Accessories for chromium-free comminution
	Cutting tool set made of chromium-free tool steel
15.4602.00	rotor with straight cutting edges and fixed knives
	Sieve inserts made of chromium-free steel DC01
45.1211.09	0.5 mm trapezoidal perforation
45.1230.09	1 mm trapezoidal perforation
45.2200.09	4 mm square perforation
	Stands
45.5820.00	universal support stand
	Certification
96.0400.00	IQ/OQ documentation (questionnaire format)
	Sieve inserts are also available in further perforations.

APPLICATION EXAMPLES

P-15 – Cutting Mill

Sample 1: horn shavings (fertiliser)

Milling:

- Cutting tool set made of chromium-free steel
- 1 mm chromium-free steel sieve insert
- Funnel for long and bulk solids
- 100 g in 60 sec





Sample 2: textiles

Milling:

- Cutting tool set made of tool steel with straight cutting edges
- 4 mm stainless steel sieve insert





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Contact person:

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for a non-binding consultation or individual test grinding to identify your ideal device configuration and optimal grinding parameters.

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