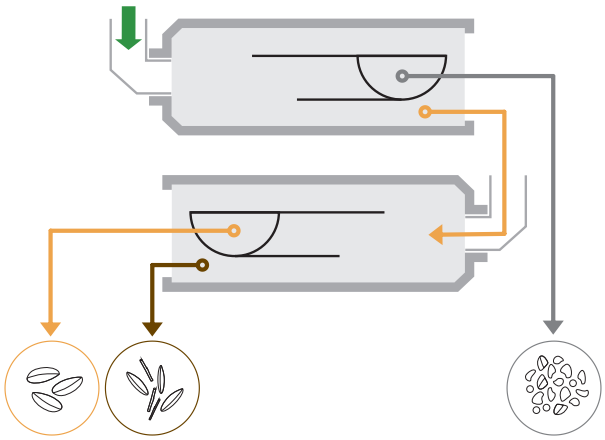
Indented Cylinder ZA



The **PETKUS Indented Cylinder Separators ZA** are used for the sorting of seed, grain, fine and vegetable seeds, corn and similar agricultural, grained and free flowing granular products. The material is sorted according to its length. The indented cylinders are available in different sizes and performance categories.

Short Grain Separation – separating short particles: The short particles settle in the indents. The short particles are transported to the top and discharged into the discharge trough by turning the indented cylinder.

Long Grain Separation – separating long particles: The product settles in the indents. The product is transported to the top and discharged into the discharge trough by turning the indented cylinder. The long particles remain in the indented cylinder and are discharged.

Advantages:

- Gentle processing of the product
- High standard of separating quality
- Indented cylinders completely covered
- Simple and quick changing of the cylinder casings
- Individual drive unit for each indented cylinder
- Operation smooth and free of vibration

Description:

The Indented Cylinder Separator machines are equipped with an indented cylinder for long grain separation and a cylinder for short grain separation. The product is moved from the inlet hopper through the turning indented cylinder. Pocket-shaped cells are stamped in the segments of the indented cylinder. The grain settles in these sells depending on the size of the cells.
By rotating the indented cylinder the settled grain is transported to the top and falls into the trough at a height dependant on its center of gravity. A transport auger within the trough transports the separated grain to the product outlet.The particles of the product not picked up by the cells of the indented cylinder or which have fallen down below the discharge trough because of their length remain in the indented cylinder and are transported to the corresponding product outlet. The discharges are guided outwards separately. Samples for the two discharges can be taken at the sampling points.

Construction:

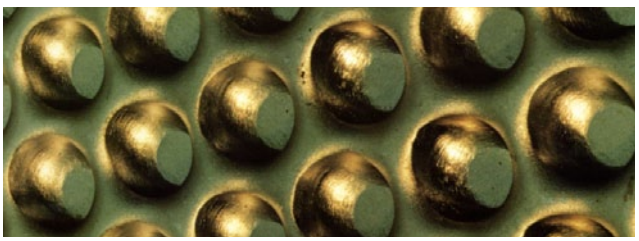
The separator is equipped with an indented cylinder for short grain and an indented cylinder for long grain separation. The trough with a transport screw is inside the indented cylinder. Each indented cylinder is driven with a gear motor.

Standard Equipment:

- Bolted frame made of sheet steel
- Indented cylinder for long grain
- Indented cylinder for short grain
- Discharge troughs with transport screw
- Drive units with electric motor
- Aspiration connection

Options:

- Cylinder casings available with various cell sizes



Indent cells

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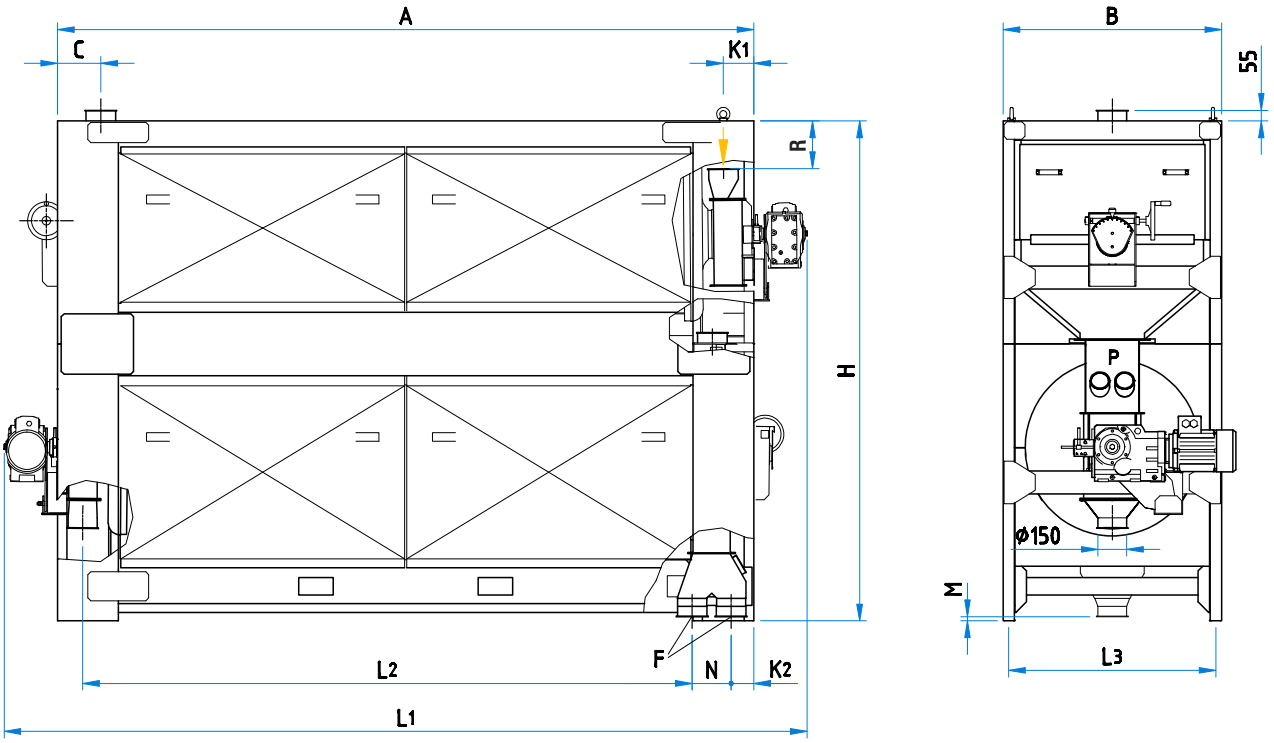
Indented Cylinder ZA



Type	A in	B in	C in	K_1 in	H in	K_2 in	F in	L_1 in	L_2 in	L_3 in	M in	N in	R in
ZA 611	85.25	33.5	9	6.5	78.75	4.75	Ø 6	102.75	67.25	30.5	1	8.25	4
ZA 621	124.75	33.5	9	6.5	78.75	4.75	Ø 6	142	106.75	30.5	1	8.25	4
ZA 731	144.5	37.5	9	6.5	85	4.75	Ø 6	163.5	126.5	34.5	1	8.25	6
ZA 931	144.5	45.5	9	6.5	102.5	4.75	Ø 6	166.5	126.75	42.5	1	8.25	10

	Capacity*	Cylinder Diameter/Length in			Drive	Speed	Aspiration		Weight
Type	bu/hr	K	L	Length	hp	rpm	cfm	in - w.c.	lb
ZA 611	110	23.62	23.62	59	2 x 1.5	41	565	0.80	2646
ZA 621	180	23.62	23.62	98	2 x 2.0	41	565	0.80	2866
ZA 731	300	27.56	27.56	118	2 x 3.0	38	706	1.00	3175
ZA 931	440	35.43	35.43	118	2 x 5.5	33	847	1.20	4299

*Wheat with 3% impurities

Technical alteration reserved.

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