

Bridge Breaker Hammer



Pneumatic Hammer



▶ APPLICATIONS

Pneumatic hammers represent an effective solution against the formation of bridges or rat holes (see diagram p.6). They are particularly suitable for silo cones or existing hoppers. Their action is particularly effective if the powder handled has a tendency to agglomerate under pressure or to stick to the walls. The robust design allows installing a pneumatic hammer outdoor. They are provided with a mounting plate to be welded to the wall of the hopper or silo and with a safety system to prevent accidental slip during installation or maintenance.

▶ OPERATING MODE

The pneumatic hammers produce a shock wave generated by the impact of the internal piston on the metallic plate welded to the wall of the hopper or silo. When using several hammers, those at the bottom must be operated first; it must then go gradually up at regular intervals.



▶ Pneumatic hammer and electric vibrator to improve the flow of product on a dump station for containers.

▶ ADVANTAGES

- Mechanical extraction without air or vibration: no contamination or compaction
- Mounting under the silo with a single flange
- Independent work of the load with complete emptying of the silo
- Reduced energy consumption, low power installed
- Compact design with integrated solenoid valve
- High performance
- Easy installation
- Suitable for explosive environments (ATEX compliance)

▶ TECHNICAL SPECIFICATIONS

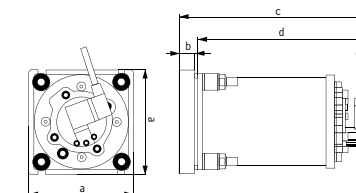
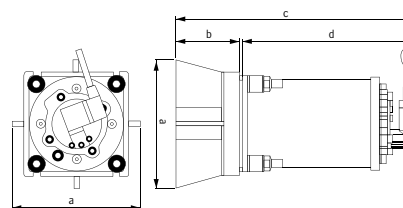
The pneumatic hammer is available in three different sizes and is suitable for explosive environments (ATEX compliance). It works intermittently.

- 3 sizes
- Warranty: 150,000 impacts
- Operating temperature: 20°C to 80°C
- Service pressure: 3 - 6 bar
- Generated energy: 4,2 / 153

▶ DIMENSIONS IN MM

Type	«A» type hopper thickness ≤3mm			
	a	b	c	d
PS040	160	80	302	219
PS063	200	95	357	259
PS080	250	119	430	308

Type	«B» type hopper thickness >3mm			
	a	b	c	d
PS040	130	20	242	219
PS063	163	20	282	259
PS080	200	25	336	308



▶ PERFORMANCES

Type	Air consumption		Air connection	Power		Kg	Packing dimensions in mm
	3 bar	6 bar		3 bar	6 bar		
	dm ³ /min.			J	J		
PS040	0.60	1.30	1/8 pipe 8 mm	8.4	18.1	8.5	270 x 185 x 170
PS063	1.17	2.30	1/4 pipe 8 mm	28.8	62	16.5	450 x 200 x 220
PS080	2.30	4.80	1/4 pipe 8 mm	59.2	153	30	450 x 200 x 220