

# Pneumatic Hammer and Blasters

## PS series pneumatic hammer



### Description

PS-type MARTSHOCK Intermittent Pneumatic Hammers belong to those flow aids that act destructively as bridge breakers. The mechanical energy released at regular intervals, at the moment of collision, is transmitted through the container wall to the stored material. MARTSHOCK Hammers are suitable for loosening of adhesive material crusts on walls, pipes and bins, and as bridge breakers in silos. The blow impulse leads to the complete detachment of the crusts or the collapse of a material bridge.

MARTSHOCK Hammers are particularly suitable for retrofitting to existing silo cones or hoppers as no emptying of the bin or drilling of the wall is required.

### Function

The MARTSHOCK Pneumatic Hammer blows produce a violent impact on the wall on which the unit is fitted. It is suitable for all bin shapes and sizes.

### Performance & Technical Features

- 1、 Available also as ATEX ExII3D version
- 2、 Electropneumatically or pneumatically operated
- 3、 Operation / pause interval control panel

## PJ series combined pneumatic hammer



### Description

The PJ-type PICJET? Combined Hammer Blast adds to the mechanical action of the PS-type MARTSHOCK Hammer (see relevant page) a compressed air jet expanding across the surrounding wall surface, as well as in the stored material. It also adds more extended impact vibration.

The PICJET? Hammer Blast is most suitable for materials with a tendency to bridge or rathole and for those with hygroscopic properties.

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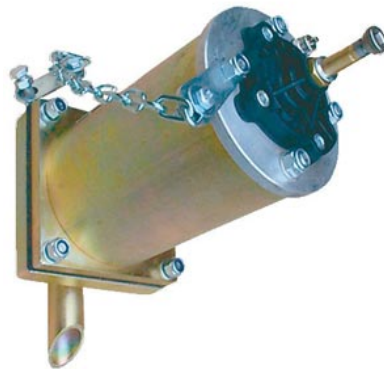
## Function

The PICJET? Combined Hammer Blast is pneumatically or electropneumatically operated, and it develops simultaneously an instantaneous hammer blow and an air shot along the silo wall, as well as inside the stored material which is increased by the mechanical impact of the hammer. This combined effect radically resolves all mass flow problems.

## Performance & Technical Features

- 1、 Guaranteed duration at maximum pressure: 150,000 blows
- 2、 Working temperature: - 20°C to 80°C (- 4°F to 180°F)

## PG series pneumatic blaster



## Description

Rat-holing is a phenomenon that frequently occurs inside bins or silos with certain materials. Due to the physical and chemical properties of the product, the central material column drops instantaneously as soon as the silo outlet valve is opened, while the surrounding material remains immobile.

Especially with light materials a PG-type GUNJET Air Cannon is often the ideal solution for such inconvenient situations.

Other applications are the corners of rectangular-shaped bins where because of tiled walls or inserts, hammering or vibration on the outlet sections is unsuitable. GUNJET Air Cannons are also successfully used in cases where bridging occurs.

## Function

The GUNJET Air Cannon, which is activated either pneumatically or electropneumatically, releases almost instantaneously a certain quantity of highly compressed air into the material inside the silo or bin, thus provoking the typical effect of an explosion. As a result bridges or rat holes will collapse

## Performance & Technical Features

- 1、 4 sizes
- 2、 Working pressure: 3 - 6 bar (44 - 87 PSI)
- 3、 Air consumption per cycle: 0.3 - 4.8 NI (0.01 - 0.2 cu ft)
- 4、 Direct effect on the product
- 5、 No stress on the structure