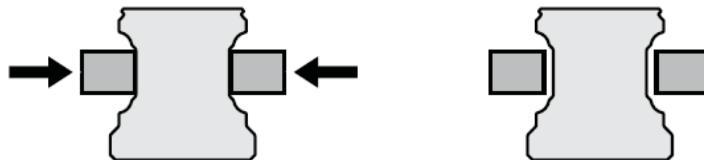


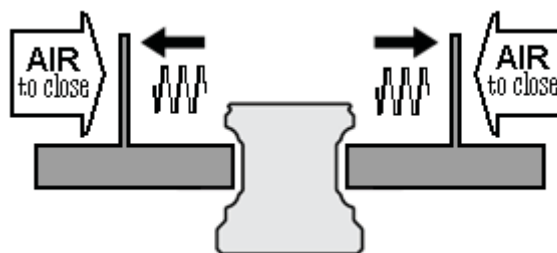
# Zasada działania pneumatycznych zacisków hamulcowych



The clamping surfaces of the terminals are pressed against the free side of the rail through a dual wedge mechanism. The release, or unlock phase, is rapid thanks to a system of preloaded spring.

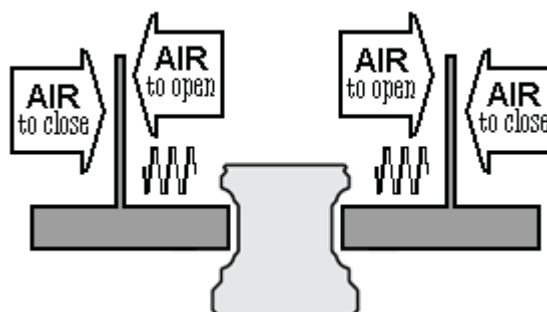
The clamping elements can operate in four modes:

- 1) SE operation, Normally Open



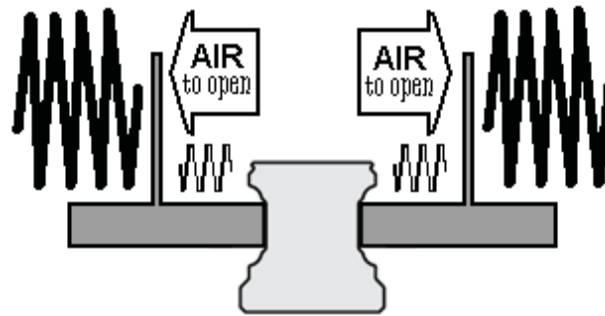
The locking element leaves the guide free to slide. Locking is done by forcing air into the element to activate the closing. The system is unlocked when the air pressure is removed.

- 2) DE operation, Normally Open



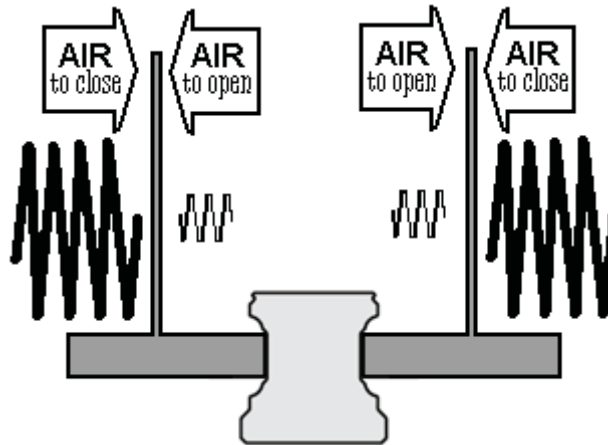
The operating principle is the same as normally open, except for the release phase, which is assisted by air. The vent is replaced by connecting a second air duct (using a 5/2 ways valve).

### 3) SEM operation, Normally Closed



The locking element closes by means of a spring, and air pressure is used in order to open.

### 4) DEM operation, Normally Closed



Using a 5/2 ways valve, the force produced by the spring is complemented by the one produced by air pressure; with this variation the clamping force is increased by 2.5 times.