



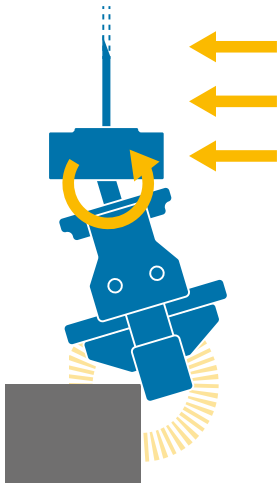
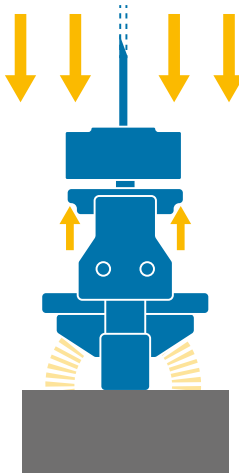
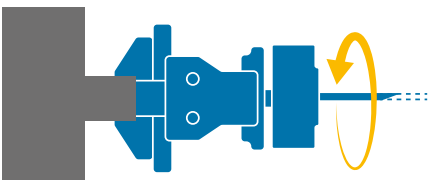
INTEGRATED ACCESSORIES

ANTICOLLISION

The **Lesta anti-collision system** is a special pneumatic device mounted between the gun and its support. It is designed to protect both from overloads and shocks.

If the gun collides with an object, a mechanical overload is generated which leads to a displacement of the sensor and release of pressurized air. Once the pressure drop is detected, the system sends a signal to the control PLC which stops the robot.

There are three types of overloads that can occur:

<p>TANGENTIAL: Occurs if the gun collides sideways with an obstacle</p> 	<p>AXIAL: Occurs if the compressive force in the Z direction towards the system exceeds the overload threshold value</p> 	<p>TWISTING: It occurs in the case of a rotation around the z axis when the maximum torque is exceeded</p> 
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