

COLLECTIVE PROTECTIONS ON MACHINERY

COLLECTIVE PROTECTION MEASURES, WHICH MACHINERY IS OBLIGED TO INCLUDE, CAN BE BROKEN DOWN INTO VARIOUS GROUPS DEPENDING ON THE FORM IN WHICH THEY PROVIDE PROTECTION:

- **PROTECTIVE ENCLOSURES:** THIS TYPE OF PROTECTION IS USED ON MACHINES WHICH, DUE TO THE RISK OF ENTRAPMENT BETWEEN THEIR MECHANICAL PARTS, BURNS, PROJECTIONS, ETC., REQUIRE THAT ACCESS TO THESE DANGEROUS PARTS IS DENIED AND CAN ONLY BE CARRIED OUT UNDER SAFE CONDITIONS.
- **ACOUSTIC DEVICES:** THIS PROTECTION IS VERY VERSATILE, SINCE IT CAN WARN OF VARIOUS RISK SITUATIONS. THIS WARNING IS NORMALLY GIVEN BY MEANS OF A LOUD SIREN.
- **LUMINOUS DEVICES:** THESE DEVICES WORK IN A SIMILAR WAY TO THE AUDIBLE DEVICES, WITH THE DIFFERENCE THAT THE WARNING IS GIVEN BY MEANS OF A LIGHT SIGNAL, IN MOST CASES A ROTATING LIGHT SIGNAL.
- **EMERGENCY STOP DEVICES:** THIS TYPE OF DEVICE INCLUDES THOSE DESIGNED TO STOP THE MOVEMENT OF A MACHINE WHEN IT MALFUNCTIONS; LIKEWISE, THESE DEVICES INCLUDE ALL THOSE WHICH DO NOT ALLOW A MACHINE TO START MOVING UNLESS A SERIES OF SAFETY CONDITIONS ARE MET.



Protective housing
of a disc saw.



Protective casing
of a radial saw.



Detail of a **light device** of a dumper.



Detail of a forklift truck **light**.



Emergency stop device
on a forklift truck.



Emergency stop device
on a platform lift.