Series
BASIC
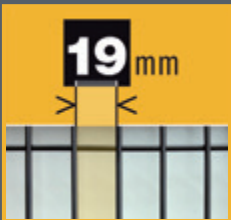## Modular Protection Systems

SATECH
SAFETY TECHNOLOGY

Series
BASIC

Modular Protection Systems

Protection and accident prevention system Series BASIC is the standard method used in all guards for plant and machinery.

Consisting of 40x40 uprights and 20x20 panels with 20x20 frames and steel mesh 3 mm thick, BASIC can be assembled with SATECH patented fast clamps or, optionally, by traditional bolt and nuts.

BASIC is quick to install, practical and solid. The compatibility with most of doors, locks and accessories makes it extremely versatile.

VISIBILITY AND PROTECTION AGAINST CLIMBING

The vertical shape of the mesh provides excellent visibility of the plant and equipment **(EN ISO 14120-5.9)**. External vertical wires effectively prevent climbing **(EN ISO 14120)**, while the mesh dimensions (19 mm) allow the guarding to be installed only 120 mm from the operational area **(EN ISO 13857)**.

SOLID

✔ 40 mm uprights

✔ 20 x 20 mm frame

✔ 3 mm wire welded mesh

✔ Baseplate with 3 or 4 anchoring points

SATECH
SAFETY TECHNOLOGY

h **140**
EN 13857

PRACTICAL

✔ Assembly by patented fast clamps
or, optionally, by traditional bolt and
nuts

✔ 25% time saving
(Compared to conventional systems)

VERSATILE

✔ Compatible with all accessories

✔ To suit any perimeter
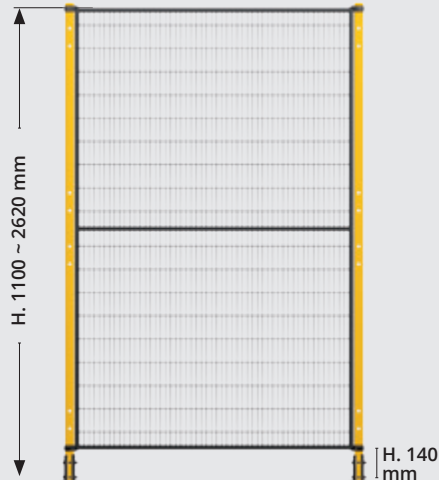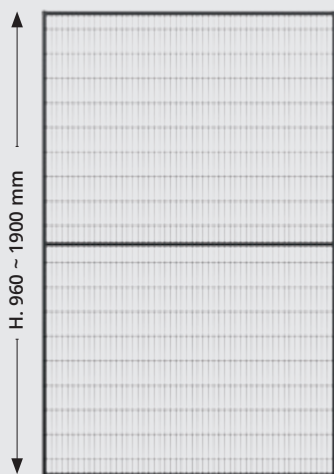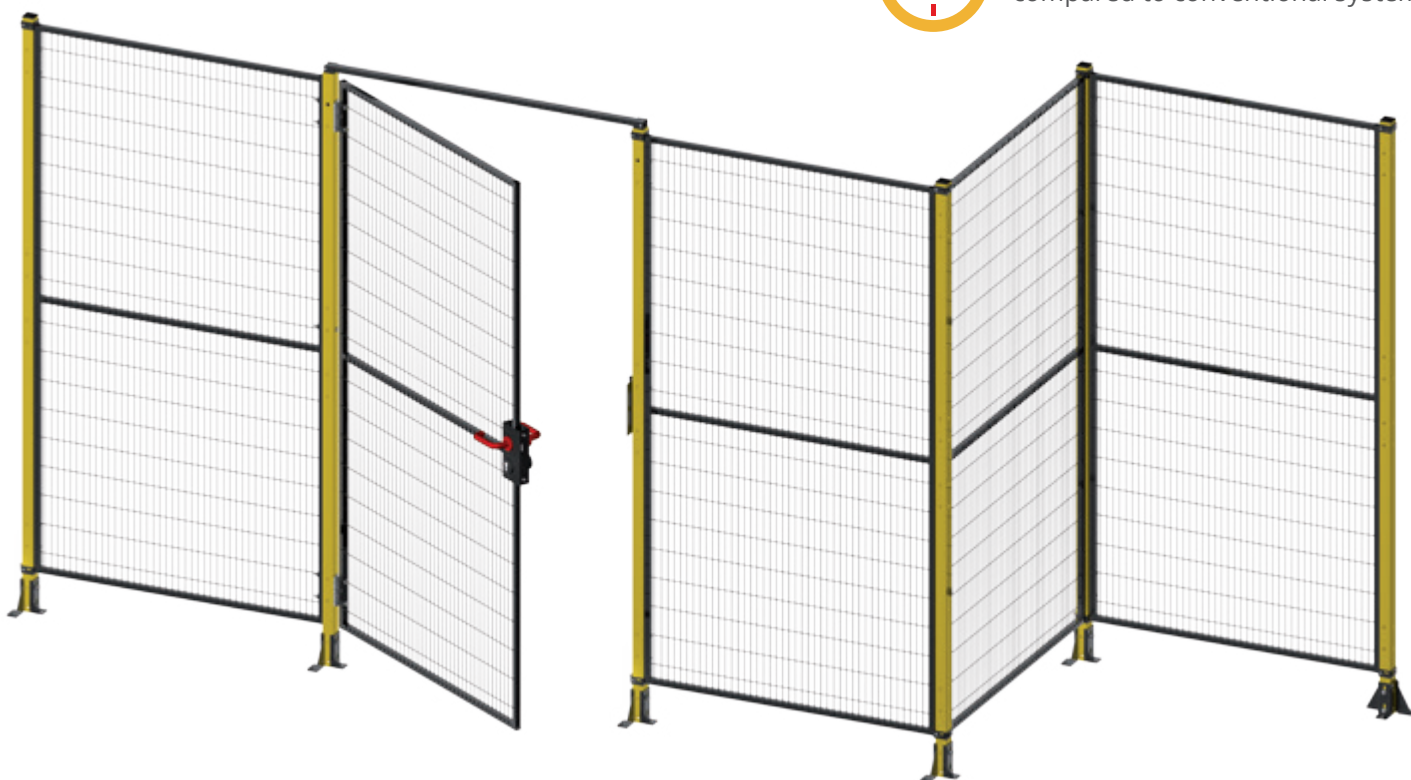
✔ Adjustable baseplates' height

Series BASIC

Modular Protection Systems

BASIC is the protection and accident prevention system consisting of **40x40 uprights and 20x20 panels with 20x20 frames**. It is the standard method used in all guards for plant and machinery.

25% TIME SAVING
compared to conventional system

PANELS
Frame: 20 x 20 mm
Mesh: 22 x 100 x 3 mm
Heights: 960, 1260, 1500, 1900 mm
Bases: 200, 300, 700, 800, 1000, 1200, 1500 mm

POSTS: 40 x 40 x 2 mm
Baseplates: assembled, with 3 or 4 anchoring points
Heights: 1120, 1420, 1660, 2060, 2640 mm

OVERALL PROTECTION HEIGHT: 1100 ~ 2620 mm

Painting:
Epoxy-polyester powder (for internal use only)
Colours:

RAL 9005   RAL 1021   RAL 7035   SPECIAL COLOURS

H. 960 ~ 1900 mm
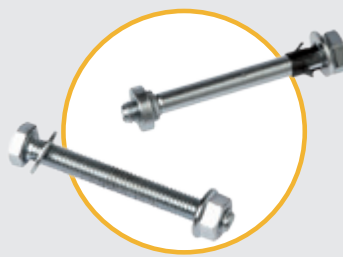
H. 1120 ~ 2640 mm

H. 1100 ~ 2620 mm

H. 140 mm

PRACTICAL

BASIC is easy to be assembled, thanks to the patented clamp or, in option, with bolt and nuts.

PATENDED CLAMP

This connecting system also allows easy reinstallation of the guard after it has been removed for non-routine maintenance. **EN ISO 14120 6.4.4.1 b.**

TRADITIONAL OR CAPTIVE BOLTS AND NUTS

As an option, BASIC System can be assembled with traditional/captive bolt and nuts.

NEW

CLIP SPACER

The convenient spacer for a quick and correct placement of the lower clip according to the current regulation for minimum floor clearance **EN 349 - EN ISO 13857**
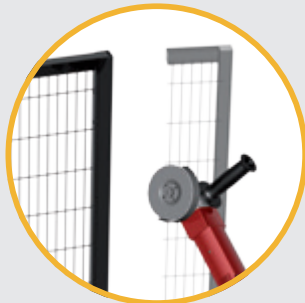
140 mm

CAPTIVE RETAINED FASTENING

Both fastening systems, on request, can feature a captive fastener according to EN ISO 14120 and Machinery Directive 2006/42/ CE

VERSATILE

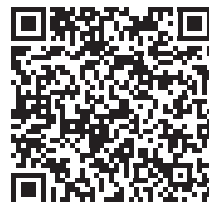The adjustable, assembled baseplate allows you to compensate for uneven floor surfaces of up to 30 mm.

CUTTING KIT

provides a quick and easy adaptation of the panels and allows the adjustment of the guard perimeter on site

IMPACT TEST EN ISO 14120

BASIC have been tested according to the dynamic resistance test contained in EN ISO 14120 Standard (Hard Body / Pendulum Test).

The dynamic stress value was equal to **1600J**; this particulary high value is NOT required by the ISO Standard, but corresponds to the one **required by some car manufacturers for the resistance of guards against impact from inside the hazard zone**.

ISO COMPLIANCE

BASIC complies with the following EUROPEAN and INTERNATIONAL STANDARDS: **EN-ISO 12100:2010; EN 1088+A2:2008; EN ISO 14120:2015; ISO 14119:2013; ISO 10218-2:2011;**

PANELS

In addition to the standard mesh panels, BASIC system can be equipped with other types of panels made in a variety of materials, composite and shaped upon request.
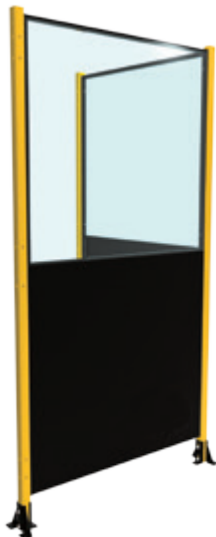
SHEET PANEL
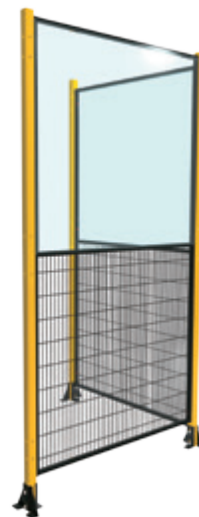1.2 mm-thick steel, available in self-supporting version

METAL / TRANSPARENT SHEET
1,2 mm thick steel and 4 mm-thick high tough polycarbonate

MESH / TRANSPARENT SHEET
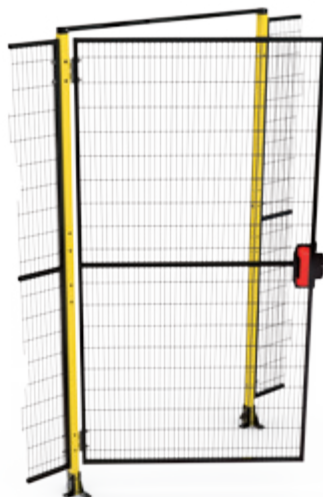22x100x3 mesh panel and 4 mm-thick high tough polycarbonate

DOORS

The different types of doors provided for BASIC System perfectly meet the safety, robustness, simplicity characteristics of all SATECH Systems.

HINGED
Single and Double leaf Doors opening from 700 to 3000 mm

SLIDING DOORS
single, double, with upper guide, lower guide, telescopic guide or without guides

SPECIAL
large openings, verticals, electromechanic or pneumatic operated

LOCKS
and security system

All the doors of BASIC System can be equipped with locks and micro switches to meet the safety levels required by each particular application.
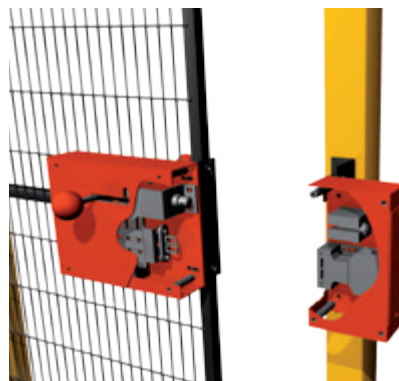
MAGNETIC LOCK

KEY LOCK

3rd LEVEL

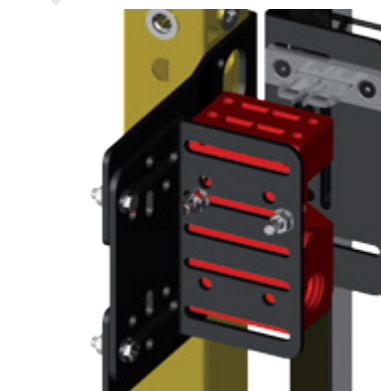**4th LEVEL AZM200**

ANTI-PANIC

BOLT WITH MICROSWITCH

HINGE MICROSWITCH

SAFETY SWITCH WITH UNIVERSAL BRACKET

SATECH, RECOGNISED FOR QUALITY AND SERVICE WORLDWIDE

Satech, Europe's leading supplier of modular protection systems for industrial machinery is based in Calco, northern Italy where it operates three manufacturing plants covering 12,000 sq. m., supported by two sales offices in Europe and distributors around the world. Its exclusive patents for assembly systems and a successful track record of developing special design software means Satech is the leader in its field.

A regime of constant design and development enables Satech to provide the optimal answer to the most demanding requirements. All solutions, being based on the company's structured modular panel system, are guaranteed to deliver highly cost-effective installations, even in complex situations. Satech regards workplace safety and environmental considerations with the utmost importance and since 2000 its hardware and software products and systems have been designed to meet all relevant EU Directives while providing maximum service life under all conditions.

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