



INDUSTRIAL MACHINE & ROBOTIC SAFETY FENCING

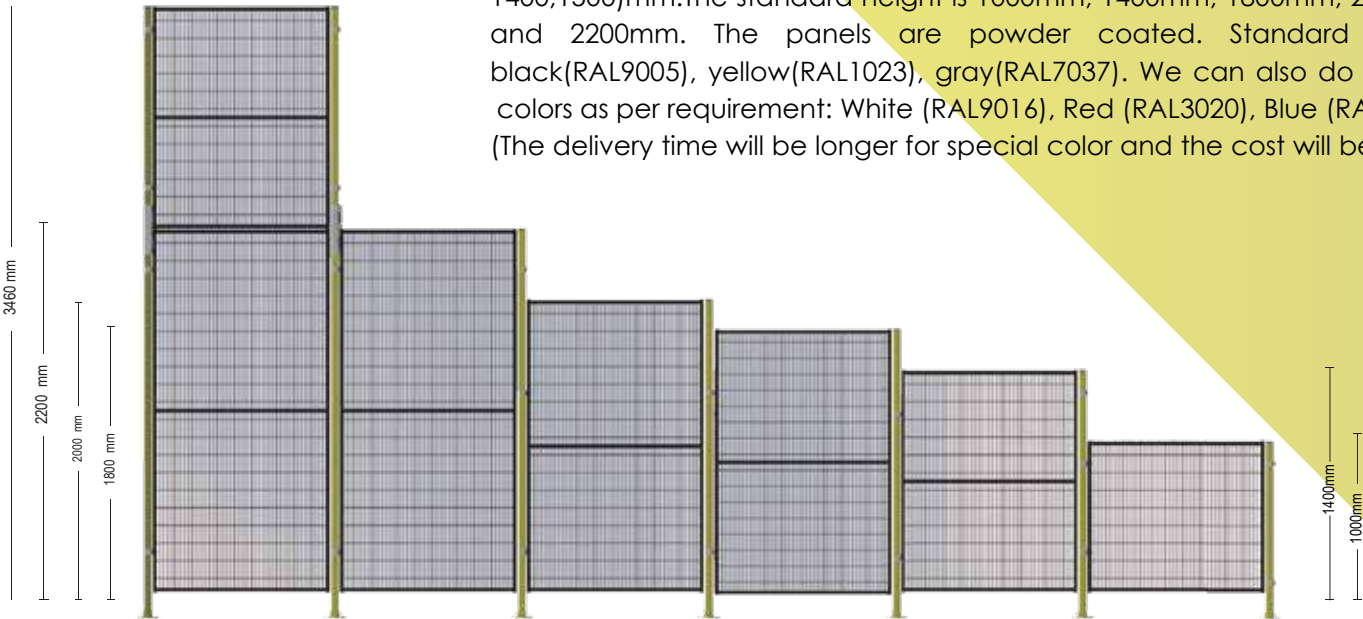
**SAFETY FENCING
EXPERTS**

MADE IN
INDIA 

Your Safety, Our Priority - Safeguard your working area
with our fences.

PRODUCT OVERVIEW

The standard height of our guard is 1000mm, 1400mm, 1800mm, 2000mm & 2200mm (combined panel unit of 3460mm height is also available). The distance from the floor is 150mm, which is designed to clean the production line easily. We can manufacture all widths between 200mm to 1500mm (200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500)mm. The standard height is 1000mm, 1400mm, 1800mm, 2000mm and 2200mm. The panels are powder coated. Standard colors: black(RAL9005), yellow(RAL1023), gray(RAL7037). We can also do Special colors as per requirement: White (RAL9016), Red (RAL3020), Blue (RAL5005). (The delivery time will be longer for special color and the cost will be a little higher)



ENHANCED SAFETY SOLUTIONS: SAFEGUARDING PERSONNEL AND EQUIPMENT WITH SWIZA

Swiza provides safe protection for personnel and equipment, which prevents falling out of materials and other parts.

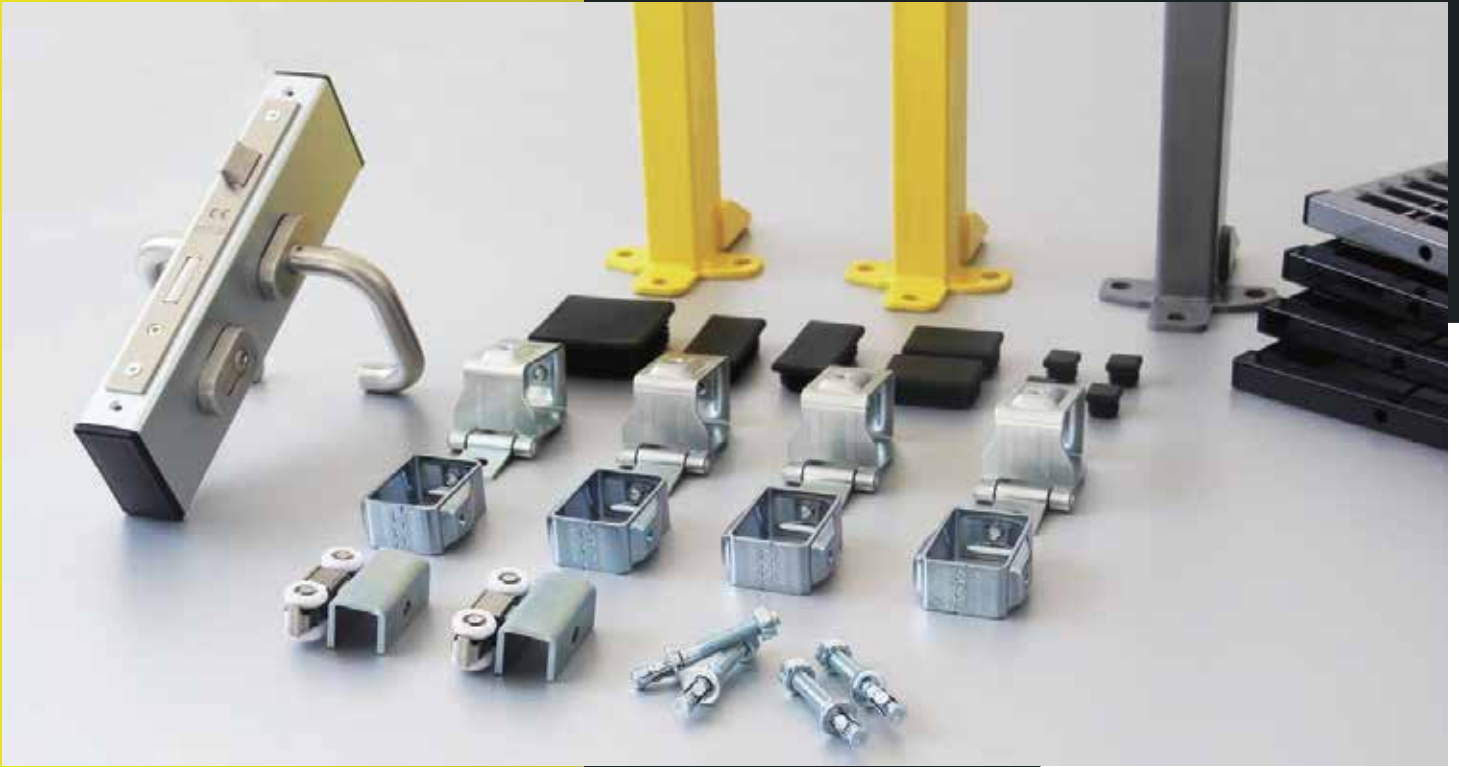
The machine guard can bear max. 1600J impact force. The impact test uses 4060 series, 2200mm column and 1000mm width panel unit & 4040 series, 2000mm column & 1000mm width panel unit.

Our technical team continues their efforts in optimizing the product system and solutions.

Already passed ARAI impact inspection
FMCE/3100015707(22-23)/SS/548(22-23)



OUR PRODUCT



Swiza fencing solutions are widely used by various industries that require guarded sectioning/partitioning including but not restricted to Robotic Fencing, Machine Guarding, Warehousing and Store fencing, Conveyor fencing and more. ISO 14120 Compliant our Fencing Solutions is Industry Approved and Recognized by major players in several sectors including Automation Industry, FMCG, Pharmaceutical, Automobile, Large Warehousing and more.



4040 & 4060 Series Column
Connector (Straight Connection)



4040 & 4060 Series Column
Connector (L Connection)



4040 & 4060 Series Column Hinge
Connector



Screw Connector



Square Cap



4040 Series Column



4060 Series Column



4060 Series Column Base Cap



Edge Cover



Castor Support



Hinged Door Key Lock



General Lock



Hinged Door Accessories



Electrical Door Lock



Magnetic Door Stopper

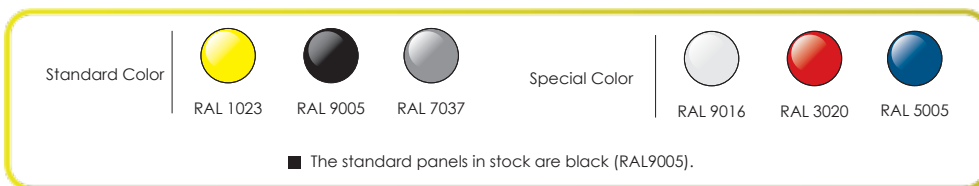
PANEL SERIES

Swiza Panel Series has 20x100mm steel wire gridding welded to 20x20mm steel pipe. All the steel wires are welded to the frame pipe to form a stable, robust, safe and durable panel.

We can manufacture all widths between 200mm to 1500mm (200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500)mm. The standard height is 1000mm, 1400mm, 1800mm, 2000mm and 2200mm. The panels are powder coated. Standard colors: black(RAL9005), yellow(RAL1023), gray(RAL7037).

We can also do Special colors as per requirement: White (RAL9016), Red (RAL3020), Blue (RAL5005).

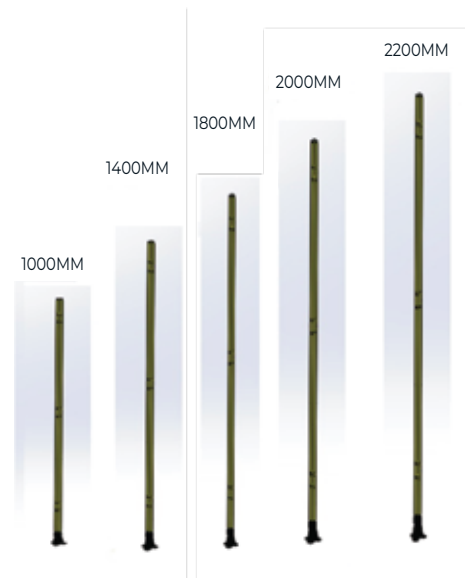
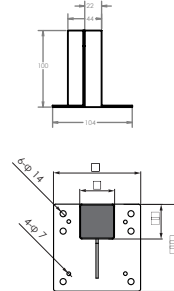
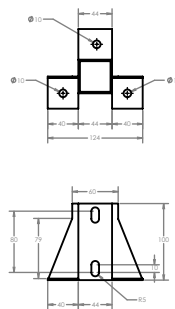
(The delivery time will be longer for special color and the cost will be a little higher)



4040 SERIES COLUMN

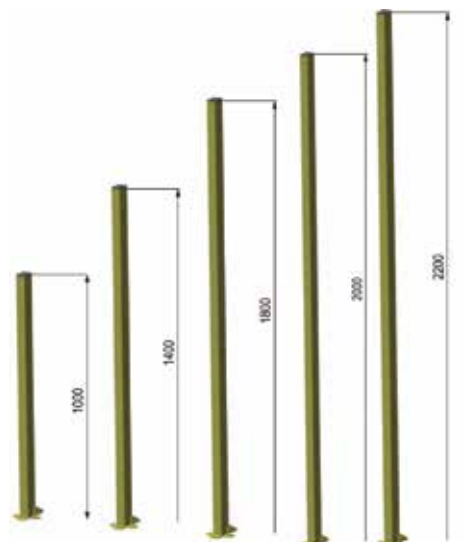
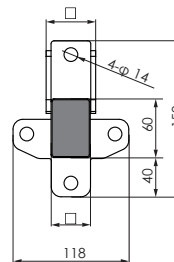
4040 series column is a reinforced structure, formed with 40x40 carbon steel square pipe. The column is fixed with grouting brackets in black powder coated to the cement floor. The application location is flexible and the structure is stable and robust.

The top of the column is covered with black PE end cap.



4060 SERIES COLUMN

The column is 40x60 carbon steel square pipe welded to base plate. There are holes on four edges of the base plate. The column is fixed on the floor with expansion bolts. The structure is stable and robust. The top of the column is covered with black PE end cap.



DOORS

SINGLE HINGED DOOR

The hinged door is composed of column, panel, door frame, hinge and lock etc. It is optional for lock with or without key, or general lock used with electrical switch to ensure a more stable and safe protection guard system.



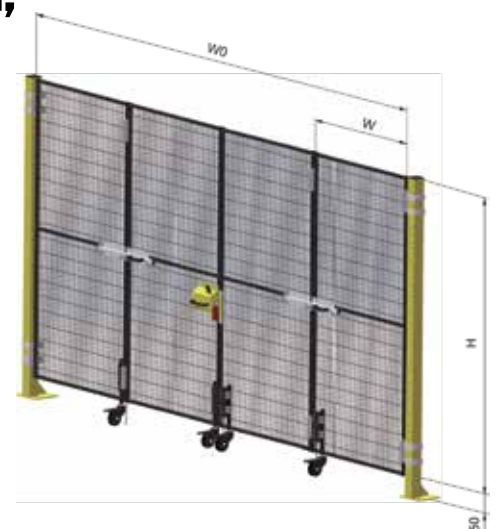
DOUBLE HINGED DOOR

The hinged door is composed of column, panel, door frame, hinge and lock etc. It is optional for key lock or general lock used with electrical switch to ensure a more stable and safe protection guard system.



FOLDING DOOR - SINGLE OPEN, DOUBLE OPEN

The folding door is more flexible. Small open is for personal entry and big open for forklift. It is optional for key lock, or general lock used with electrical switch to ensure a more stable and safe protection guard system.



SLIDING DOORS

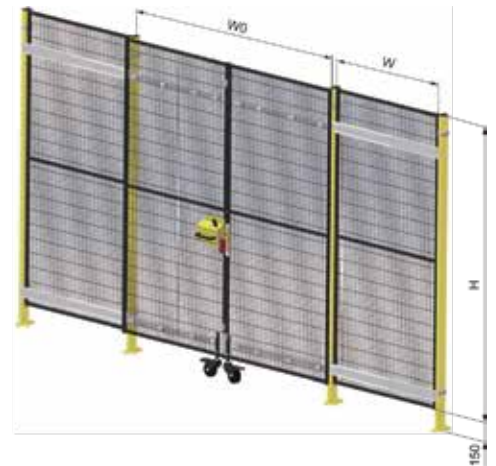
SINGLE OPEN

The sliding door is composed of column, panel, rail, wheel and lock etc. It is optional for lock with or without key, or general lock used with electrical switch to ensure a more stable and safe protection guard system. The rail is industrial shaft and block system, used with wheel unit.



DOUBLE OPEN

The double open sliding door is composed of column, panel, rail, wheel and lock etc. It is optional for lock with or without key, or general lock used with electrical switch to ensure a more stable and safe protection guard system. The rail is industrial shaft and block system, used with wheel unit.

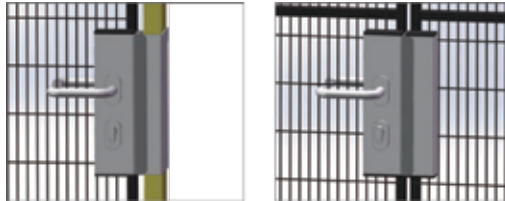


DOOR LOCKS

Hinged door key lock is composed of European standard lock with special connector. The connector is zinc plated. The installation is quick and easy. There are three types for left open(L), right open(R) and double open(D). It can be provided with an electrical actuator and mechanical sliding lock as well.

The hinged door key lock is applicable for the following doors:

- Hinged door
- Double hinged door
- Sliding door
- Double sliding door
- Folding door
- Double folding door
- Sliding door
- Double Sliding door

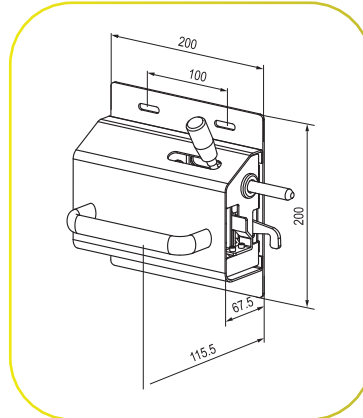


GENERAL LOCK

The general lock has the function of both hook lock and mortise lock, and also can be used with electrical switch to ensure person safety and safe working process. The structure can be used with many types of safe switch to meet different safety requirements. The safety lock we usually use is Enchner.

The general lock is applicable for the following doors:

- Hinged door
- Double hinged door
- Sliding door
- Double sliding door
- Folding door
- Double folding door
- Sliding door
- Double Sliding door



ACCESSORIES



4040 & 4060 Series Column Fixing
Connector



4040 & 4060 Series Column Hinge
Connector



Door Stopper



Anchor Fastener



Corner Connector



General Hinge



Castor Unit

CERTIFICATION

ARAI
Progress Through Research

The Automotive Research Association of India
(Research Institute of the Automotive Industry with identity of University/Institute & PMAR, Government, Govt. of India)

CONFIDENTIAL
COPY NO.:

Report No.: FMCE/3100015707(22-23)/55/548(22-23) **Date: 27.02.2023**

TEST REPORT OF
IMPACT TEST ON MACHINE GUARDS

1.0 NAME OF THE PARTY : SWIZA SAFETECH LLP,
Ground Floor, Plot No. 12, Gat No. 106/7 to 108/9,
M. No. 3735, Timarli Nagar, Opp Sakat Printing Press,
Wardli Timber Market, Pune Saswad Road,
Wardli Gaon, Haveli, Pune, Maharashtra 412308

2.0 REFERENCES : Email Dated 4th Feb 2023

3.0 TEST COMPONENTS : Machine Guard Identified as FMCE/3100015707/01
Detail mentioned as below

Sr. No.	Description	Details
01	Title	Machine Guards (Weld Mesh Panels)
02	Type	SWIZA MACHINE GUARD 40 X 60 SERIES
03	Size	2050mm x 1000 mm along with post 2200 mm

4.0 OBJECTIVE :
4.1 To conduct the impact test on SWIZA MACHINE GUARD 40 X 60 SERIES panel as per customer guidelines and with reference to standard ISO 14120.

5.0 TEST REQUIREMENTS :
5.1 To simulate impact energy of 1600 J on SWIZA MACHINE GUARD 40 X 60 SERIES (weld mesh panels) as per customer guidelines and with reference to standard ISO 14120.

6.0 TEST EQUIPMENT USED :
6.1 Dead weight: 100Kg

7.0 TEST PROCEDURE :
7.1 03 SWIZA MACHINE GUARD 40 X 60 SERIES were fixed with each other and complete assembly was done by Swiza Safetech LLP and handed over to ARAI for impact testing.
7.2 Assembly of Machine guards were fixed rigidly on base plate. Pendulum of 100 kg was fixed at height of 1631 mm from initial position of pendulum, so as to achieve Impact energy of 1600 J (by using $E = m \cdot g \cdot h$ formula). Refer Annexure-I, Figure 01.
7.3 Pendulum was released from above mentioned height and effect due to impact was logged.

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ARAI Forging Industry Division (ARAI-FID), Chakan
ARAI Regional Centre South (ARAI-RC), Chennai

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8.0 Test Observations :
8.1 This test was conducted on 17th Feb 2023 in presence of representative from Swiza Safetech LLP.
8.2 Post-test, deflection recorded at centre panel was 150 mm. (refer figure 02 of Annexure - I)
8.3 With reference to standard ISO 14120 following points were observed:
8.3.1 No any loosening of wire mesh was observed.
8.3.2 Machine guard support was intact with base plate and no any loosening observed for respective fasteners.
8.3.3 pendulum had not penetrated through machine guard.

PREPARED BY: **REVIEWED BY:** **APPROVED BY:**

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Disclaimer: This test report pertains only to the components / parts / assemblies / vehicles etc. actually tested at ARAI in the prescribed condition based on the documents / information produced / submitted by the customer. The issuance of this test report alone does not indicate any measure of approval, certification, supervision, control or quality surveillance by ARAI of the product. No extract, obligation or abstraction from this test report shall be published or used to advertise the product without the written consent of the Director, ARAI, who reserves the absolute right to agree or reject all or any of the details of any items of publicity for which consent may be sought. ARAI is in no way responsible for any misuse of copying of any design / type / system in connection with entire vehicle / components / parts and assemblies. Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the customer and ARAI shall not be liable for any claims or damages, made by the party, whatsoever, the customer shall alone be liable for the same, and undertakes to indemnify ARAI in this regard. Further, the ARAI has the right to initiate cancellation / withdrawal of the report issued in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ARAI. The appropriate local courts of Pune shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.

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RECOGNITION



FORMER NEW ZEALAND
PRIME MINISTER JACINDA
ARDERN INAUGURATING A
ROBOTIC LINE IN NZ WITH
SWIZA SAFETECH INDIAN
MANUFACTURED FENCE
IN THE BACKGROUND

OUR AWESOME PROJECTS



OUR CLIENTS




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