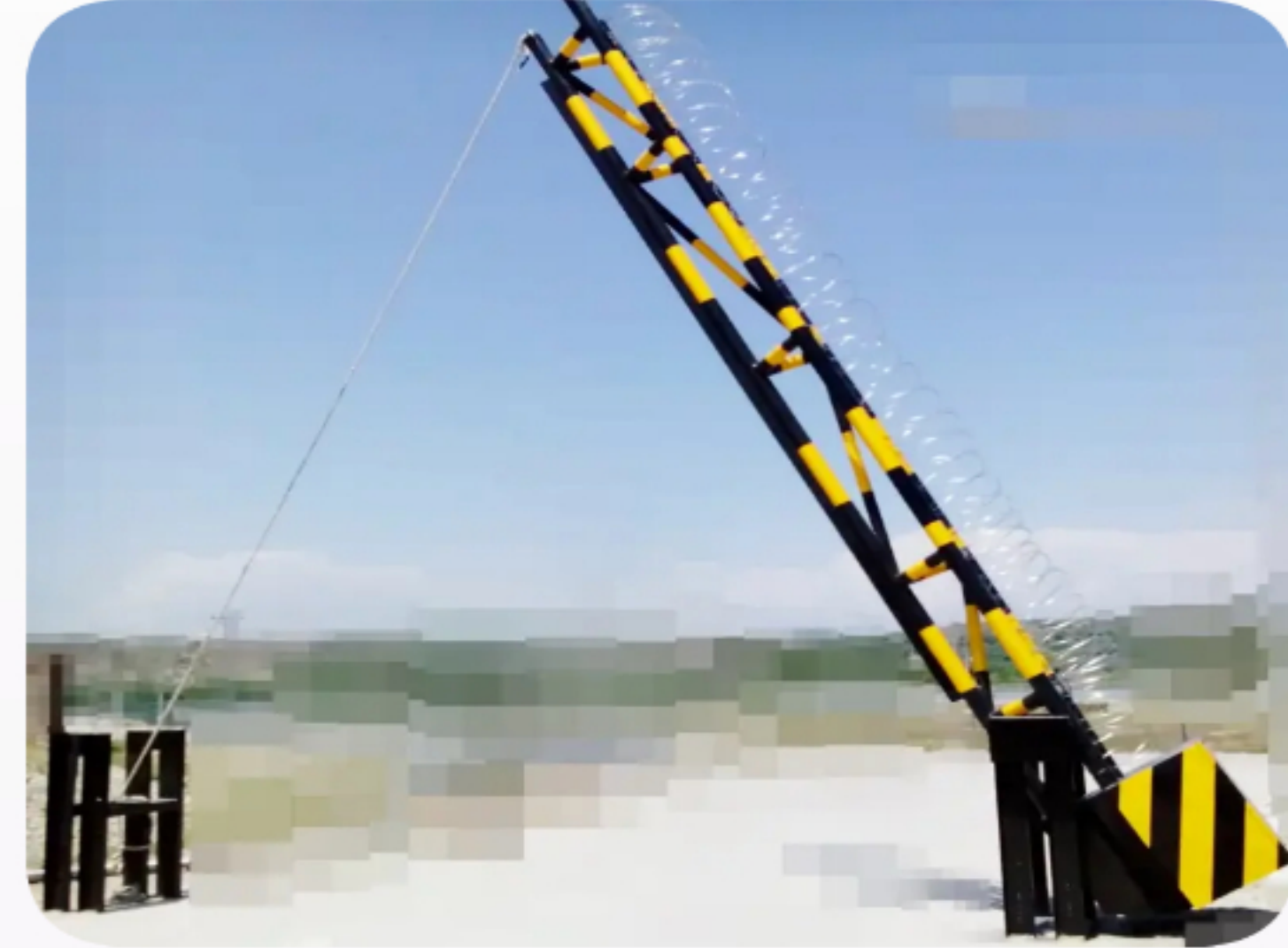


Quality - Reliability & Trust

Hydraulic Barrier

Crash Rated & Certified

- ✓ Warranty & after Sale Service
- ✓ All in One Flexible & Smart Solution
- ✓ MEX Security & Safety Features

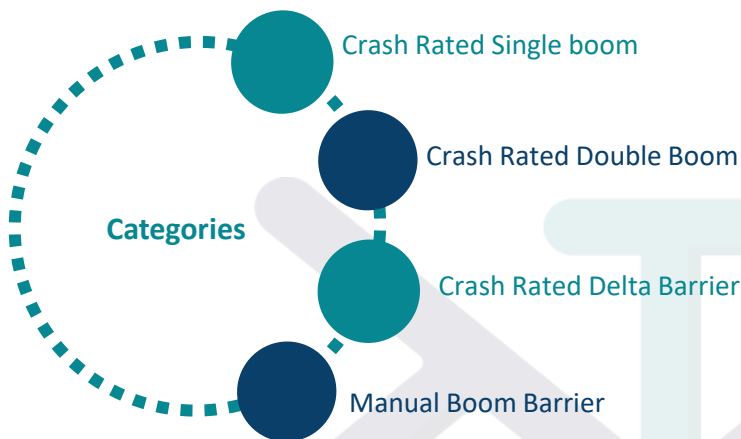


MECHATRONIX- Crash Rated Barrier:

Barriers are designed & best choice for entrances where there are high security requirements. The barriers are designed for crash resistance through strong foundation & structure.

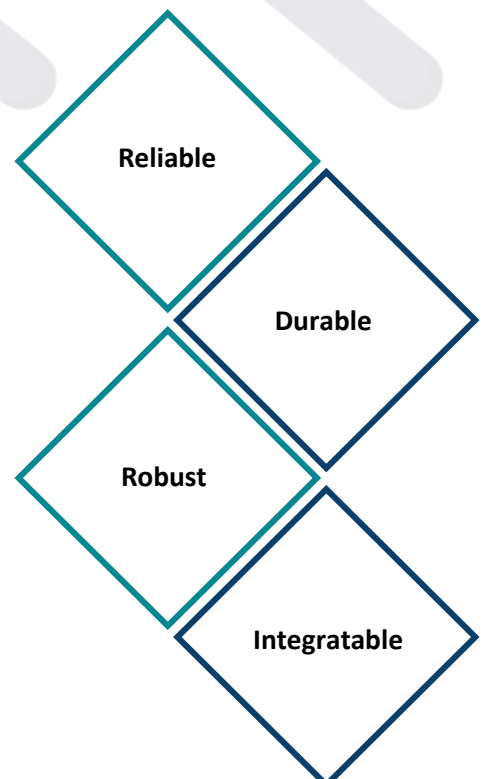
The boom Barriers are the most suitable solution for various security applications. Widely used in Military sites, Governmental places, Embassies, Public & Private properties.

The barrier can easily be integrated with wide range of access control systems for automatic operations. Other accessories like Safety loop detectors, traffic signal lights, Indication lights can also be integrated with barrier.



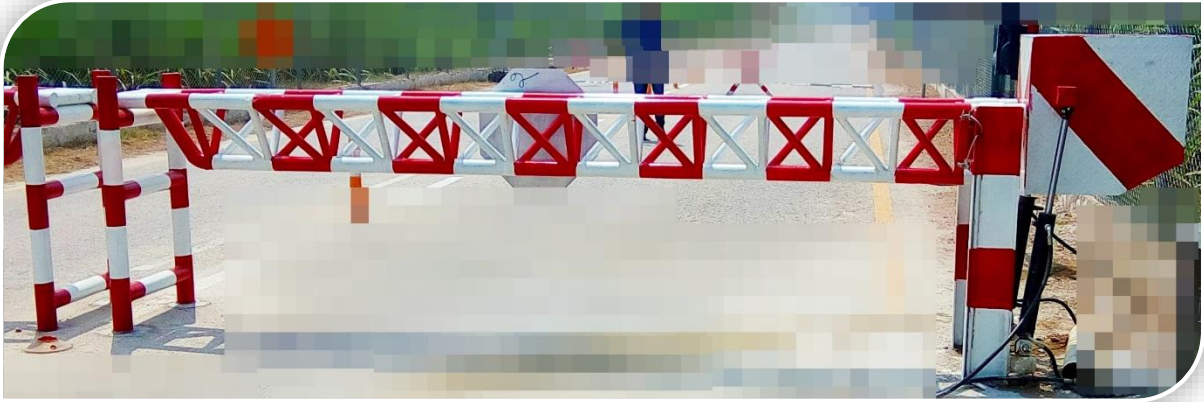
Safety & Security Features:

- ✓ Crash Rated Certified K-4, K-8, K-12
- ✓ Heavy Duty Mechanism for strength & Durability
- ✓ Manual Hand Pump Operation in Case of Power Failure
- ✓ Programmable (PLC) Control Panel
- ✓ Low Maintenance & Easy Installation
- ✓ Flexibility to Integrate with wide Range of Access Control devices
- ✓ Mex-Hydraulic Unit with 5-HP Imported Motor
- ✓ Available in Mild Steel Painted Finish
- ✓ Warranty & after Sale Service with Terms & Conditions



MEX-Rated Barriers:

Hydraulic Boom Barrier is K-4 Crash Rated Road Barrier. The barrier is designed as Heavy Duty mechanical & hydraulic structure for certified crash ratings & long term reliability. The main unit is hydraulically operated & in case of power failure it can be lifted manually with hand pump.



Applications:



• Military & Government Installations

• Commercial sites & Storage Facilities

• Corporate Security

• Offices & Banks



• Airports, Stadiums and ports

• Educational Centers & Embassies

• Public transportation

• Other Outdoor Installations



Technical Specifications:

Materials	Mild Steel
Power Requirements	3 Phase, 50-60 Hz
Rising Angle	Up to 90 Degree
Barrier Arm	As per Site Requirement (16 ft. standard)
Structure	Heavy Duty Rectangular or Circular Boom
Hydraulic Unit	Heavy Duty Motor, 5HP 400V
Operating Speed	4-6 Seconds
Crash Rating	K-12, K-8, K-4
Control Panel	PLC Based Control Unit
Magnetic contactors	Magnetic Contactor is installed in Electrical panel just to protect the system from back EMF of motor. Magnetic contactor isolates Motor from rest of the panel equipment
Protection Relays	Voltage overload/under load, Phase Protection Relay Included, overcurrent protection through CB
Control Cabinet	Weather Proof Control Cabinet will house all active hydraulic, electrical and electronic component
Finish	Painted
Recommended Installation	Indoor & Outdoor

Model & Designs:

01

Crash Rated Single Boom



02

Crash Rated Double Boom



03

Crash Rated Delta Barrier



04

Manual Boom Barrier



Crash Rated Single Boom:

Hydraulic Vehicle Barrier K4 Rated is designed for fast and fluid movements with rectangular or Circular boom. Latest generation control unit and complete range of accessories. Practical with the in-built control unit housed on side, the LED lights and various connections available for safety devices and power back-up.

Designed to blend into modern architectures, K4 Rated Vehicle Barrier is made of a sturdy steel structure for reliable operations and long lasting appearance.

For a Rectangular boom the standard dimensions of a barrier are:

Height = 3 feet 7 inches

Length = 20 feet

Width = 2 feet 6 inches

Pipe thickness: 7mm

Crash Rated Double Boom:

The Double boom barrier ensures the maximum security with its heavy duty mechanism. The double boom barrier is the standard hydraulic barrier for high security Risk areas. It is certified K-4. K-8 & K-12 crash rated. The double boom is designed, Simulated & fabricated in our facility. The heavy gauge material provide maximum strength & durability for life time. It can be used for either traffic control along with maximum security or especially for high security risk areas.

Available Optional configurations include inductive loop detectors, Signal lights, Access readers, Manual push buttons & interlocking operation with other equipment.

Standard Dimensions are:

Height = 3 feet 6 inches

Clearance = 16 feet

Width = 2 feet

- Pipe Diameter: 4 inches
- Supporting pipes: 3 inches
- Barrier supports: I Beam 4 x 8 inches / H Beam

Crash Rated Delta Barrier:

The Double boom barrier ensures the maximum security with its heavy duty mechanism. The double boom barrier is the standard hydraulic barrier of Mechatronix for high security Risk areas. It is certified K-4. K-8 & K-12 crash rated.

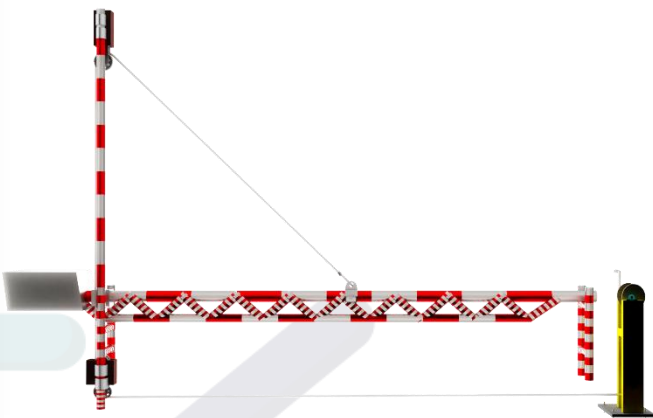
The double boom is designed, Simulated & fabricated in our facility. The heavy gauge material provide maximum strength & durability for life time. It can be used for either traffic control along with maximum security or especially for high security risk areas.

Available Optional configurations include inductive loop detectors, Signal lights, Access readers, Manual push buttons & interlocking operation with other equipment.

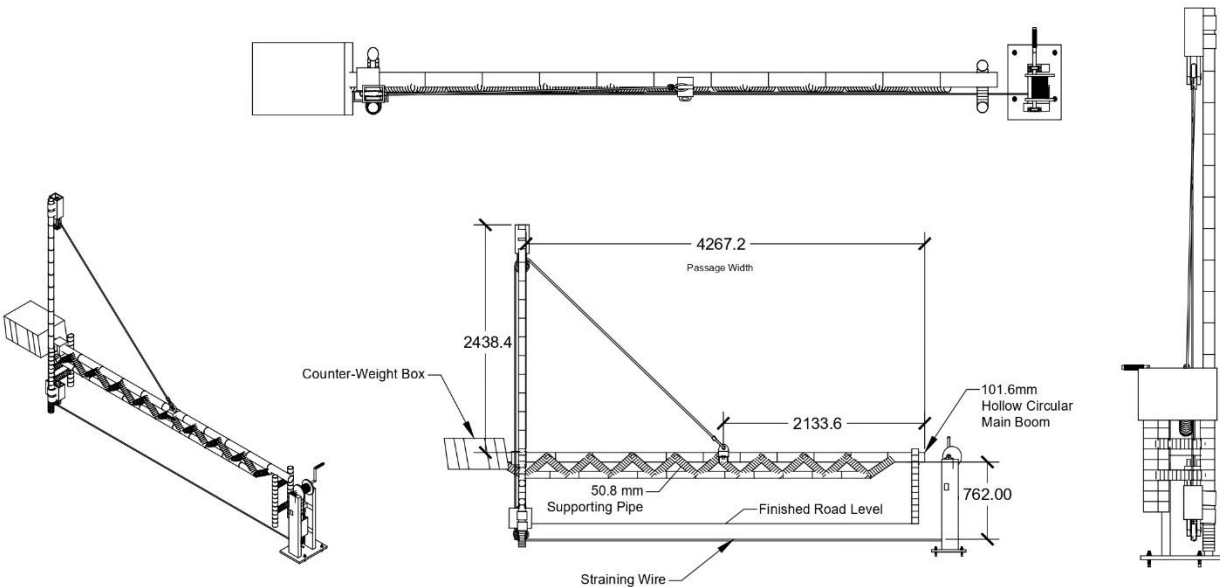
Manual Boom Barrier:

Manual Boom Barriers are the most common type for vehicle access control system. These barriers are heavy duty & can bear strong impact of vehicle attack.


The operation is manual & usually designed for Access control flow. These barriers are installed where there is no electricity or frequent power failures. It is installed either for low maintenance or remote areas.



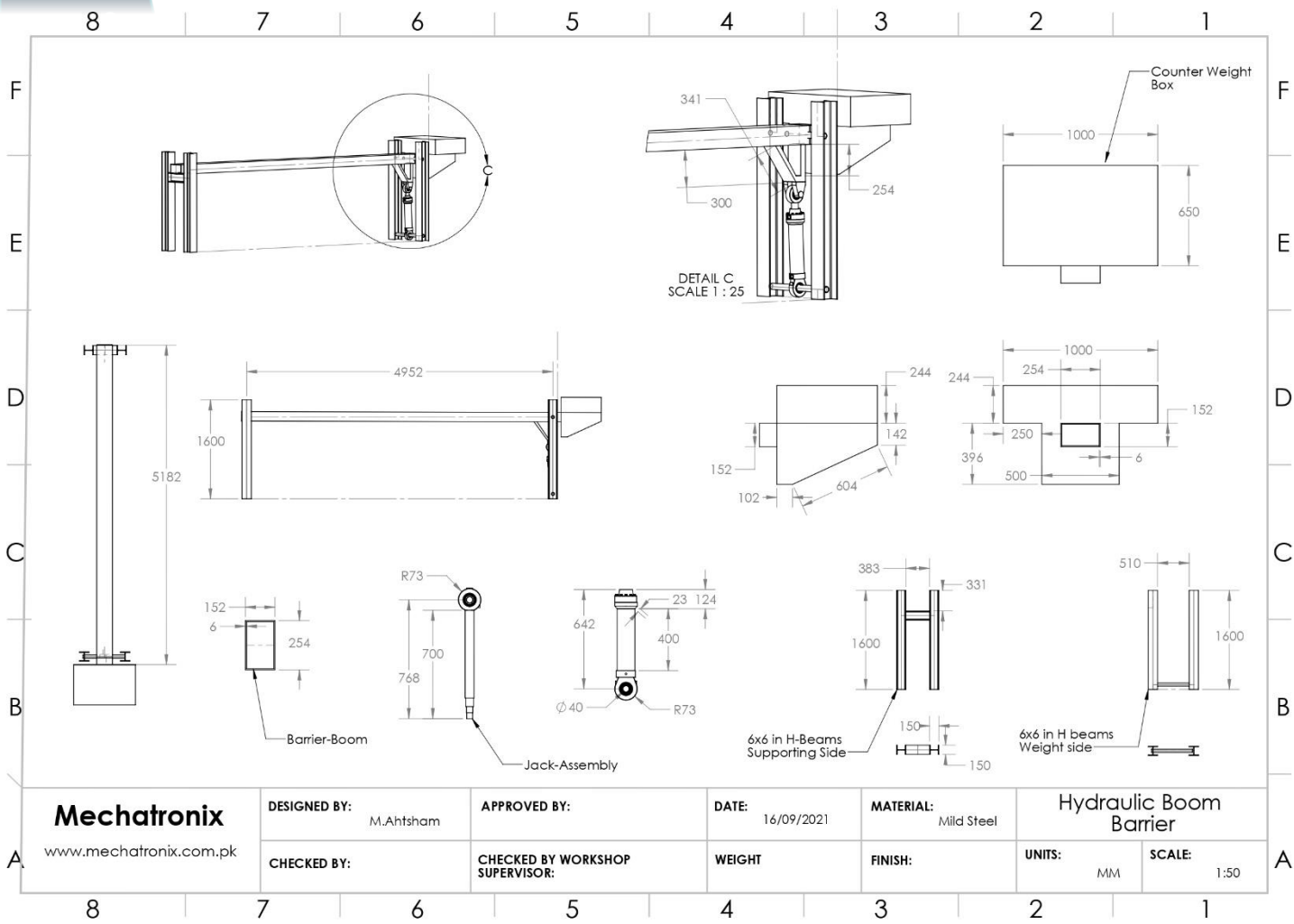
1. Manual Boom Barrier - MEX Barrier Series
2. Material: Mild Steel
3. Main Boom Diameter 4" - Supporting 2"
4. Manual Rotating Operation with Straining Wire



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 <p>www.mechatronix.com.pk</p>	TITLE: Manual Boom Barrier	DESIGNED BY: Muhammad Ahtsham khan	MATERIAL: MS	FINISH: -	DATE: 01/11/2021
	DESCRIPTION: Manual Boom Barrier with Pulley & Straining Wire	CHECKED BY:	WEIGHT: -	SCALE: 1:1	UNITS: ft./in.
		APPROVED BY:			

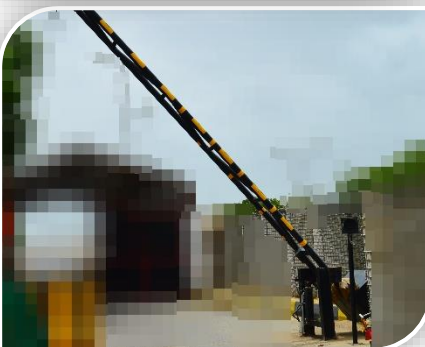
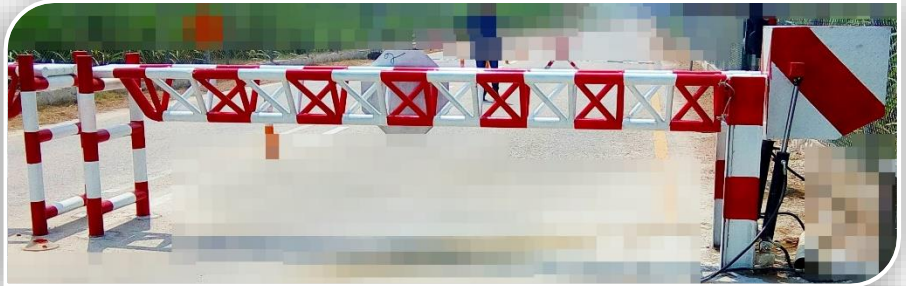
Drawings:



Our Clients:



Product Gallery:



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