



Crash Rated Beam

The model TCRB-12 pivoting barrier arm is ASTM F2656-07 M50 P1 certified (equivalent to Department of State K12). The unit includes an aluminum arm assembly, hinge stanchion, receiver stanchion, and can be operated either manually (using a counterweight) or by an electro-mechanical or electro-hydraulic power unit. All of the steel components are painted black, and the arm is a mill finish aluminum square tube with DOT approved reflective tape.

The operated variations of the barrier system use the latest technology for controls, including a custom speed control on the electro-hydraulic version. The electro-hydraulically operated system comes standard with built in soft start and stop control. This advanced control technique allows for faster operating speeds, yet reduces the mechanical wear from the shock associated with a sudden stop. The electro-hydraulic cabinet is self contained and can be placed up to 30 feet from the arm.

The electro-mechanical TCRB-12 uses an electric motor, gear box and chain assembly to operate the arm to the full up and down position. The electro-mechanical unit is self contained and is attached directly to the hinge stanchion.

Operation

In addition to the manual configuration, which is counterbalanced so it requires no electrical power, the TCRB-12 can optionally be equipped with a hydraulic power system (HPS) or electro-mechanical unit. The HPS is housed in a NEMA all-weather enclosure and includes the pumping unit and programmable controls, and can be placed remotely from the barrier. The electro-mechanical unit is a chain driven variation that is attached to the barrier stanchion. The electro-mechanical interconnect controls are housed in a NEMA all weather enclosure that can be placed remotely from the barrier. All controllers include the interface connection for customer supplied control inputs such as card reader, loop detector, traffic lights and other optional equipment available from Tymetal.

Product Information

- ASTM certified (ASTM F2656-07 M50 P1)
- Customizable operating parameters
- 208-240 single and three phase
- Manual, Hydraulic, or Mechanical operation

Features & Options

	STANDARD	OPTIONAL
NEMA All-Weather Enclosure	•	
Control Consoles		•
Traffic Lights		•
Hydraulic Oil Heater	•	
PLC Logic Controller	•	
Warning Beacons/Alarms		•
50 Hz Power		•
Custom Paint Color		•
Loop Detectors		•
Magnetic Lock		•
Buttress Heaters		•
Battery Backup		•

