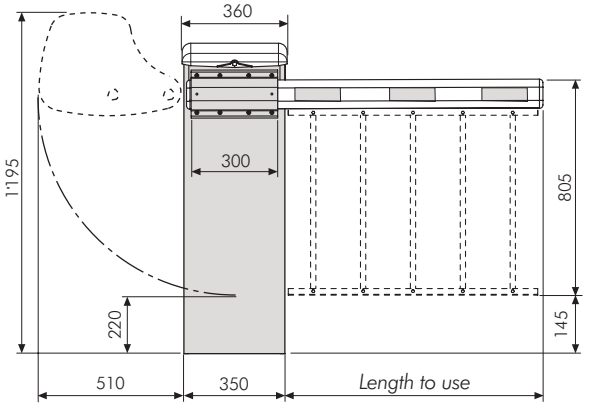
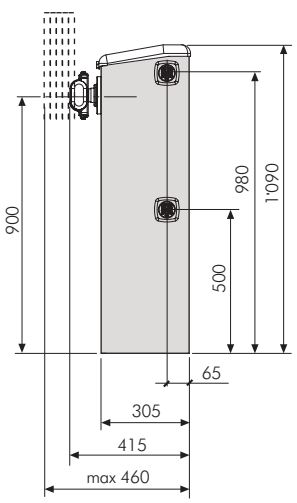
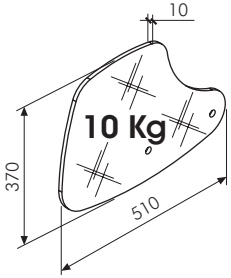


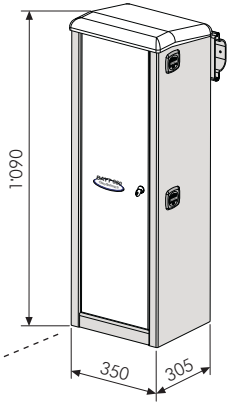
Back view
R532 Beam fixing



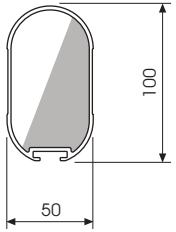
Lateran view
photocells



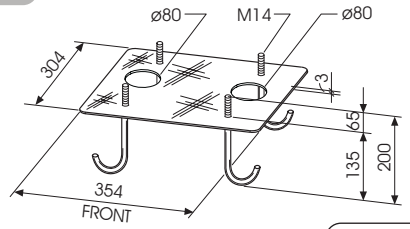
Zinc-coated steel
counterweight



View of Bayt 980 housing
door side in two Colours



Anodized aluminium
R532 beam profile
2.10m and *3.20m modules*



Galvanized steel
fixing base plate 354x304
with hooks M14x200

GB

Bayt 980 is an oil-hydraulic beam barrier designed for traffic control where very heavy duty requirements are to meet. The barrier beam is made of anodized aluminium; the oval section with rounded corners makes it safe for accident-prevention.
It is operated by a keyswitch or remote control: by pulsing any commanding unit the beam is rotated upwards to clear the passage. The beam has red reflecting stickers. Accessories can be fitted including a folding or fixed pedestal, an aluminium fence to be fixed under the beam, counterweights for beam length superior to 6 meters, metal catenary cables to improve steadiness with lengths beyond 6 meters, and red blinking "led" lights.
Bayt 980 consists of a strong housing cabinet made of sheet steel, 4mm thickness. Critical points are duly reinforced. Finishing includes a rust-preventing treatment and final painting. The electro-hydraulic main assembly "Cos 982" is enclosed inside the housing cabinet and incorporates the electric motor, pump, actuator and return spring into one compact body. Inside the housing, in a plastic container, it is fitted the electronic board Elpro 980 to control the safety and commanding accessories.
A cataphoresis treated aluminium cover fits the top part of the housing, where the limit switches (operated by two mobile springs and a control shaft) and the electronic panel Elpro 980 are located.
Accessing the inside of the housing is through a lockable door, a toothed, universal key is supplied with the unit. A voltage cut off switch is fitted to the door so that power supply to the system is disconnected whenever the door is opened.
The movement of the beam can be slowed down over the last degrees of rotation, adjustment is possible only on the closing cycle.
The housing is designed so that it can be fitted with accessories produced by Meccanica Fadini such as the Miri 4 flashing lamp, the keyswitch and the photocells (to both sides of the housing) even at a later stage; if the last two items are not required, the holes can be blanked by plugs provided with the equipment.
Thanks to its hydraulic technology, Bayt 980 is designed so that thrust/pushing power can be controlled to meet the most various application requirements by means of adjustable pressure screws in both movement directions of the beam.
The electric motor-pump-actuator assembly is factory set during the first running test to assess the correct horizontal and vertical positions of the beam, the pushing power to be within the specifications, and the slow down in close cycle is adjusted to the beam length.
Overriding for the manual operations of the unit in case of power failure is by means of a specially designed spanner provided with the equipment.
All Bayt 980 units are tested individually in the workshops of Meccanica Fadini.

TECHNICAL DATA

Electric motor

Power Yield	0.37KW (0.5HP)
Supply Voltage	230V
Frequency	50Hz
Absorbed Current	2.4A
Absorbed Power	510 W
Capacitor	20 µF
Motor Revolutions	1'350 rev./1'
Intermittent Service	S3

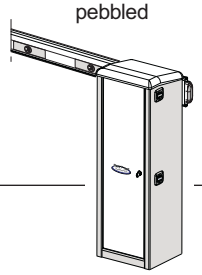
Oil-hydraulic motor-pump unit - Cos 982 -

Mean Working Pressure	2MPa (20bar)
Max. Achievable Pressure	4MPa (40bar)
Power Oil Type	Oil Fadini
Reservoire capacity	2.5 liters
Static Weight	22.5 Kg
Working Temperature	-20°C +80°C
Protection Standards	IP 673

Weight of Bayt 980 complete	75 Kg (no beam)
Housing colour	RAL 2002 orange red
Door and top colour	Metallic grey, pebbled

FADINI the gate opener Made in Italy

CE



Performance

4 seconds — *4.20 meters Beam*

Service cycle: 4s opening - 4s dwell - 4s closing - 4s dwell	
Complete cycle time	16s
Complete Opening - Dwell - Closing - Dwell cycles	No. 225/hour
Annual cycles (with 8 hours of use per day)	No. 657'000

8 seconds — *6.40 meters Beam*

Service cycle: 8s opening - 4s dwell - 8s closing - 4s dwell	
Complete cycle time	24s
Complete Opening - Dwell - Closing - Dwell cycles	No. 150/hour
Annual cycles (with 8 hours of use per day)	No. 438'000

14 seconds — *6.40 meters Beam - with fence*

Service cycle: 14s opening - 7s dwell - 14s closing - 7s dwell	
Complete cycle time	42s
Complete Opening - Dwell - Closing - Dwell cycles	No. 86/hour
Annual cycles (with 8 hours of use per day)	No. 251'000

19 seconds — *8.50 meters Beam - with fence*

Service cycle: 19s opening - 10s dwell - 19s closing - 10s dwell	
Complete cycle time	58s
Complete Opening - Dwell - Closing - Dwell cycles	No. 62/hour
Annual cycles (with 8 hours of use per day)	No. 181'000

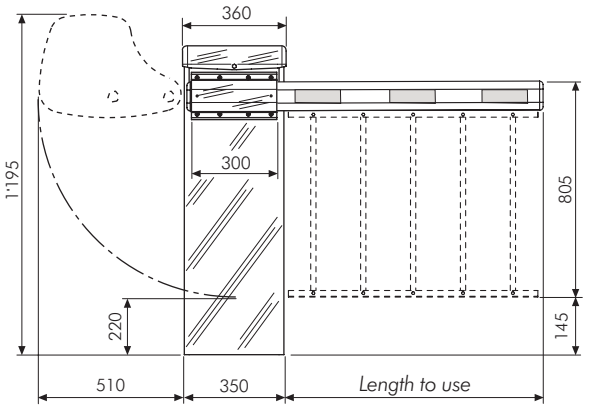
Drwg. No. 4909

TECHNICAL SPECIFICATIONS

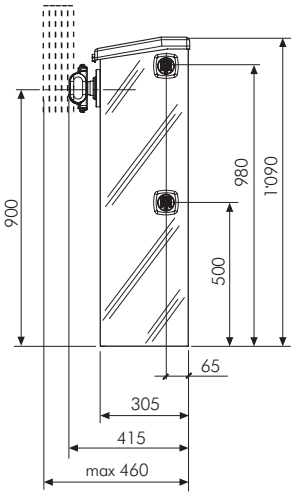
OIL-HYDRAULIC TRAFFIC BARRIER

BAYT 980 Oil-hydraulic **PAINTED**

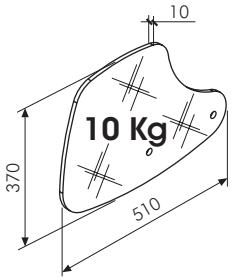
meccanica FADINI



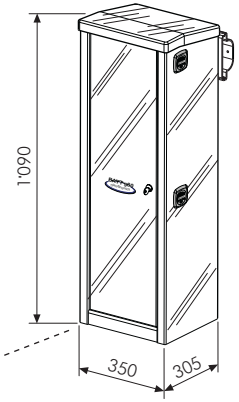
Back view
R532 Beam fixing



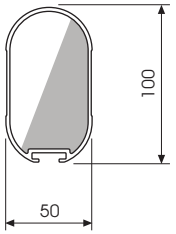
Lateran view
photocells



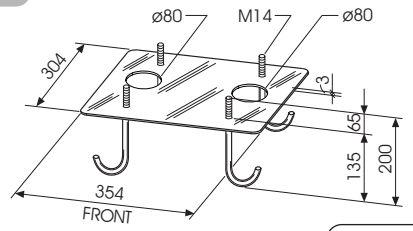
Zinc-coated steel
counterweight



View of Bayt 980 housing
Stainless steel "Aisi 304"



Anodized aluminium
R532 beam profile
2.10m and 3.20m modules



Stainless steel "Aisi 304"
Fixing base plate 354x304
with hooks M14x200

GB

Bayt 980 is an oil-hydraulic beam barrier designed for traffic control where very heavy duty requirements are to meet. The barrier beam is made of anodized aluminium; the oval section with rounded corners makes it safe for accident-prevention.
It is operated by a keyswitch or remote control: by pulsing any commanding unit the beam is rotated upwards to clear the passage. The beam has red reflecting stickers. Accessories can be fitted including a folding or fixed pedestal, an aluminium fence to be fixed under the beam, counterweights for beam length superior to 6 meters, metal catenary cables to improve steadiness with 6 meter lengths and red blinking "led" lights. Bayt 980 consists of a strong housing cabinet made of 4 mm thick **stainless steel**. Critical points are duly reinforced. Finishing includes a rust-preventing treatment and final painting. The electro-hydraulic main assembly "Cos 982" is enclosed inside the housing cabinet and incorporates the electric motor, pump, actuator and return spring into one compact body. Inside the housing, in a plastic container, it is fitted the electronic board Elpro 980 to control the safety and commanding accessories.
A **stainless steel** cover fits the top part of the housing, where the limit switches (operated by two mobile springs and a control shaft) and the electronic panel Elpro 980 are located. Accessing the inside of the housing is through a lockable door, a toothed, universal key is supplied with the unit. A voltage cut off switch is fitted to the door so that power supply to the system is disconnected whenever the door is opened.
The movement of the beam can be slowed down over the last degrees of rotation, adjustment is possible only on the closing cycle.
The housing is designed so that it can be fitted with accessories produced by Meccanica Fadini such as the Miri 4 flashing lamp, the keyswitch and the photocells (to both sides of the housing) even at a later stage; if the last two items are not required, the holes can be blanked by plugs provided with the equipment.
Thanks to its hydraulic technology, Bayt 980 is designed so that thrust/pushing power can be adjusted to meet the most various application requirements by means of adjustable pressure screws in both movement directions of the beam.
The electric motor-pump-actuator assembly is factory set during the first running test to assess the correct horizontal and vertical positions of the beam, the pushing power to be within the specifications, and the slow down in close cycle is adjusted to the beam length.
Overriding for the manual operations of the unit in case of power failure is by means of a specially designed spanner provided with the equipment.
Bayt 980 is available in two handed options, **Right-hand** and **left-hand**. Conversion from one option to the other is easy: just "rotate" the connecting fulcrum plate (**stainless steel**) in fit it back to its seat.
All Bayt 980 units are tested individually in the workshops of Meccanica Fadini.

TECHNICAL DATA

Electric motor

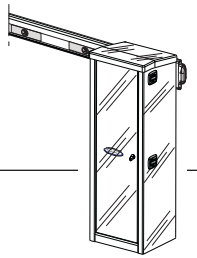
Power Yield	0.37KW (0.5HP)
Supply Voltage	230V
Frequency	50Hz
Absorbed Current	2.4A
Absorbed Power	510 W
Capacitor	20 µF
Motor Revolutions	1'350 rev./1'
Intermittent Service	S3

Oil-hydraulic motor-pump unit - Cos 982 -

Mean Working Pressure	2MPa (20bar)
Max. Achievable Pressure	4MPa (40bar)
Power Oil Type	Oil Fadini
Reservoire capacity	2.5 liters
Static Weight	22.5 Kg
Working Temperature	-20°C +80°C
Protection Standards	IP 673
Weight of Bayt 980 complete	75 Kg (no beam)
Housing, door and top	**Stainless steel *"Aisi 304"***

FADINI the gate opener Made in Italy

CE



Performance

4 seconds — *4.20 meters Beam*
Service cycle: 4s opening - 4s dwell - 4s closing - 4s dwell
Complete cycle time 16s
Complete Opening - Dwell - Closing - Dwell cycles No. 225/hour
Annual cycles (with 8 hours of use per day) No. 657'000

8 seconds — *6.40 meters Beam*
Service cycle: 8s opening - 4s dwell - 8s closing - 4s dwell
Complete cycle time 24s
Complete Opening - Dwell - Closing - Dwell cycles No. 150/hour
Annual cycles (with 8 hours of use per day) No. 438'000

14 seconds — *6.40 meters Beam - with fence*
Service cycle: 14s opening - 7s dwell - 14s closing - 7s dwell
Complete cycle time 42s
Complete Opening - Dwell - Closing - Dwell cycles No. 86/hour
Annual cycles (with 8 hours of use per day) No. 251'000

19 seconds — *8.50 meters Beam - with fence*
Service cycle: 19s opening - 10s dwell - 19s closing - 10s dwell
Complete cycle time 58s
Complete Opening - Dwell - Closing - Dwell cycles No. 62/hour
Annual cycles (with 8 hours of use per day) No. 181'000

Drwg. No. 4916

TECHNICAL SPECIFICATIONS

**STAINLESS STEEL
OIL-HYDRAULIC
TRAFFIC BARRIER**

BAYT 980 Oil-hydraulic — **- inox -**

meccanica FADINI