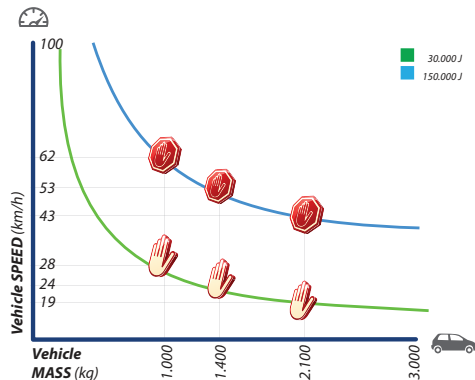


Overall dimensions	A	B	C	D	E	F	G	H
Coral 1050	500						850	1.350
Coral 1063	600	330	∅ 100	400	170	∅ 195	960	1.560
Coral 1080	800						1.140	1.940

N.W. - Measurements are in millimeters (mm).

- Each Coral bollard is supplied equipped with electric cables of 10 meters in length (for electric motor, limit switch, solenoid valve, led lights [on request]).



Various factors, such as the compaction index, soil permeability coefficient and kind of concrete may reduce the values indicated in the diagram even significantly.

MODEL REGISTERED

CORAL is an electro-hydraulic post for traffic control. The motor pump is incorporated and pre-connected. This makes the unit easier to install. The cylindrical post is made of steel, has a diameter of 100 mm and can be commanded to rise from the ground level or lower by remote control. Three options are available: Coral 1050 (500 mm stroke), Coral 1063 (600 mm stroke) and Coral 1080 (800 mm stroke). All of the posts are standard pre-bored to take 4 led lights and plastic plugs, whose design is the same as the lights, are fitted to cover the holes. On request, the led lights are directly fitted on to the post on assembly phase in the factory. All of the operating components (hydraulic motor-pump and actuator) are inside the housing cylinder, that is contained in the enclosure, which is to be sunk into the ground during the installation phase; both the housing cylinder and the ground enclosure are made of steel and galvanized by hot dipping. The up and down movements are carried out by the piston shaft, directly connected to the top of the post from inside the unit. This automation is factory pre-set and calibrated making installation quick and easy in that no further adjusting is needed for proper operations. Just the electrical connections are required to be made on site for the electric motor and limit switches (10 m cables each are supplied with the equipment) to the electronic control board Elpro S40. The connections between the motor pump assembly, positioned in the front side of the automation, and the hydraulic actuator are by means of rigid copper pipes completely inside the foundation housing. A shaped universal spanner is supplied with the post to over-ride the hydraulic circuit in the pump inside the enclosure and lower the unit by hand if required. The cover of the square enclosure is designed to remain clear of standing water or other fluids. A brim is fitted to protect the top edge of the post. A back reflecting sticker, ensures full visibility of the post in daylight as well as in the dark, even in difficult weather conditions. All Coral automations are individually tested to ensure best performance at Meccanica Fadini.

TECHNICAL DATA

ELECTRIC MOTOR

Power output	0,25 kW (0,33 HP)
Supply voltage	230 Vac
Frequency	50 Hz
Absorbed power	330 W
Absorbed current	1,8 A
Motor revolutions	2.800 rpm
Capacitor	20 µF
Service mode	S3

OIL-HYDRAULIC MOTOR-PUMP UNIT VICO 2240

Hydraulic pump	P10
Pump flow rate	4,45 l/min
Working pressure	20 atm
Max. pressure	40 atm
Working temperature	-20 °C +80 °C (*)
Oil type	Oil Fadini - Item 708L
Static weight of pump assembly	10 kg
Pump protection standards	IP 67

(*) -40 °C with specific optional accessories (Ref. General Catalogue).

HYDRAULIC ACTUATOR

Shaft diameter	16 mm
Piston diameter	30 mm
Pre-set pushing power	15 daN
Protection standard complete	IP 55

FEATURES

	CORAL 1050	CORAL 1063	CORAL 1080
Impact resistance	30.000 J	30.000 J	30.000 J
Crash resistance	150.000 J	150.000 J	150.000 J
Max. static load	20.000 kg	20.000 kg	20.000 kg
Bollard weight	86 kg	90 kg	104 kg
Post diameter	∅ 100 mm	∅ 100 mm	∅ 100 mm
Post height	500 mm	600 mm	800 mm
Post finishing	powder coating polyester anthracite grey RAL 7016	powder coating polyester anthracite grey RAL 7016	powder coating polyester anthracite grey RAL 7016
Post material	S235J steel	S235J steel	S235J steel
Bollard thickness	5 mm	5 mm	5 mm
Ground sleeve treatment	hot dip galvanization	hot dip galvanization	hot dip galvanization

PERFORMANCE - CORAL 1050

Frequency of use	intensive
Service cycle	rise ~4,7 s
	dwell 30 s
	lower ~4,4 s
	dwell 30 s

Complete cycle time	~69 s
Complete cycles	
rise-dwell-lower-dwell	No. 52/hour
Annual cycles	
(with 8 hours of use per day)	No. 151.840

PERFORMANCE - CORAL 1063

Frequency of use	intensive
Service cycle	rise ~5,6 s
	dwell 30 s
	lower ~5,1 s
	dwell 30 s

Complete cycle time	~70 s
Complete cycles	
rise-dwell-lower-dwell	No. 51/hour
Annual cycles	
(with 8 hours of use per day)	No. 148.920

PERFORMANCE - CORAL 1080

Frequency of use	intensive
Service cycle	rise ~7,5 s
	dwell 30 s
	lower ~6,6 s
	dwell 30 s

Complete cycle time	~74 s
Complete cycles	
rise-dwell-lower-dwell	No. 48/hour
Annual cycles	
(with 8 hours of use per day)	No. 140.160

Drwg. No. **4491** GB

TECHNICAL DATA TABLE



RIISING BOLLARDS

CORAL® 1050

CORAL® 1063

CORAL® 1080

