

# Atlantida

Fountain

1991

## GENERAL DESCRIPTION

Simple rectangular-shaped fountain, in cast iron with a brass spout. Can be installed on its own or in a group, aligned or wall-embedded. An element with smooth, timeless forms. A departure from the classic concept of the decorative fountain.

WEIGHT 122 kg.

## MONOLITH

Manufactured from cast iron of the GG-22 type (in accordance with standard EN-GJL200), with a surface protection process based on cathaphoresis and a finish painted in wrought-iron black.

## GG22 GREY CAST IRON

Tensile strength	200-300 N/mm <sup>2</sup>
0,1% estretch limit	130-195 N/mm <sup>2</sup>
Breaking elongation	0,8-0,3 %
Compressive limit	720 N/mm <sup>2</sup>
0,1% compressive strength	260 N/mm <sup>2</sup>
Static bending	290 N/mm <sup>2</sup>
Shear strength	230 N/mm <sup>2</sup>
Torsional strength	230 N/mm <sup>2</sup>
Modulus of elasticity	85 - 110 N/mm <sup>2</sup>
Poisson's ratio	0,26 v
Brinell hardness	180-220 HB30
Density	7,15 g/cm <sup>3</sup>

## GRATING

The material and manufacturing process are identical to those of the monolith. The grating rests on a previously installed frame that is set flush to the pavement.

## FRAME

The frame is manufactured from galvanized S-275 JR steel. It is set flush to the pavement and has the same dimensions as the water collection box.

## S-275 JR MECHANICAL PROPERTIES

Stretch limit	275 N/mm <sup>2</sup>
Breaking strength	410-450 N/mm <sup>2</sup>
Resilience	27 J
Minimum elongation	20 %

## S-275-JR CHEMICAL COMPOSITION

Carbon (C)	0,24 %
Manganese (Mn)	1,60 %
Phosphorus (P)	0,055 %
Sulphur (S)	0,055 %
Nitrogen (N)	0,011 %

## TAP

The push button is made of cast brass, 1 inch.

## SECURING

The fountain is embedded 10 cm into the ground by means of four bolts.

The fountain is supplied in two parts: 1) the monolith with the push button, and 2) as many gratings as are required. The fountain comes complete with assembly instructions.

No maintenance needed other than operational maintenance for the push button.

