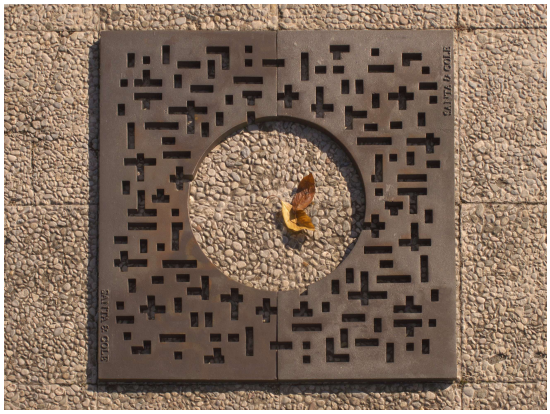
Antoni Roselló

SANTA & COLE

Piet Mondrian

Tree grid

2001



ELEMENT:
The unit fulfills its function of protecting the public from the hollow made by the tree and protecting the tree from the city and the road while contributing added beauty.
The materials chosen for the tree grid are of an extremely long-lasting nature and age well which highlights their expressiveness.

WEIGHT

150x150	204 kg.
100x100	85 kg.

TECHNICAL DESCRIPTION
The tree protector is made up of two or four equal pieces of GGG50 ductile cast iron with a shotpeened finish, without any subsequent type of treatment.
Complies with the UNE EN-124 standard.

GGG50 DUCTILE CAST IRON

Tensile strength	500	N/mm^2
0,2% stretch limit	320	N/mm^2
Minimum elongation	8	%
Brinell hardness	170-220	HB30
Modulus of elasticity	173	N/mm^2
Compressive strength	850-1100	N/mm^2
Shear strength	0,9 x límite elástico	N/mm^2
Density	7,1	g/cm^3
0,2% compressive limit	350	N/mm^2
Poisson's ratio	0,28	v
Maximum load (UNE EN-124)	10850	Kg

FRAME
The frame is designed to protect the tree opening. It is made of L-shaped profiles in S-275 JR galvanized steel (cross-section: 40x20x4). This element must be firmly secured to the pavement.

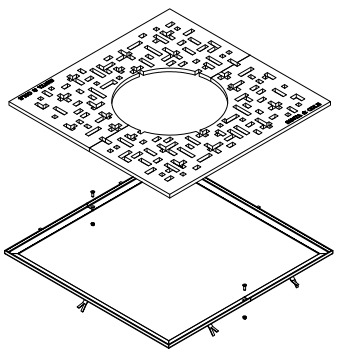
S-275 JR MECHANICAL PROPERTIES

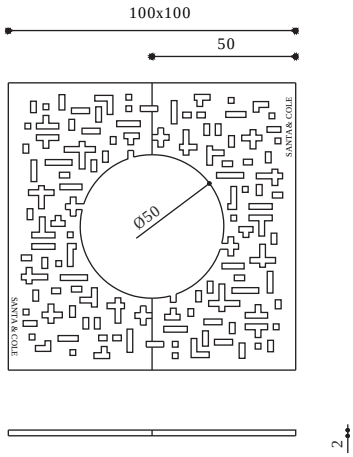
Stretch limit	275	N/mm^2
Breaking strength	410-450	N/mm^2
Resilience	27	J
Minimum elongation	20	%

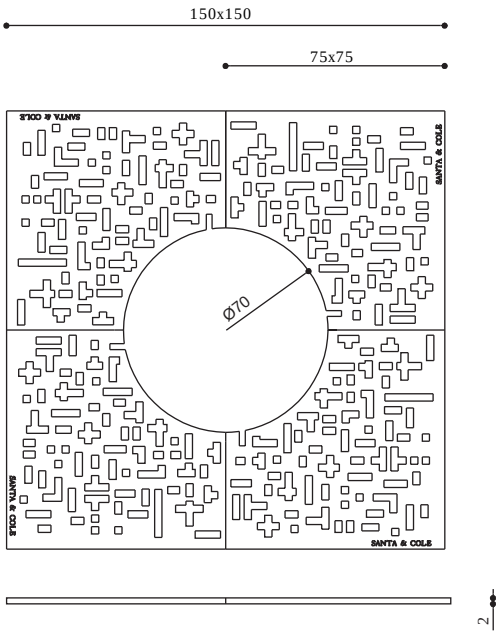
S-275-JR CHEMICAL COMPOSITION

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

The elements are delivered unassembled. Assembly instructions are enclosed.







CE