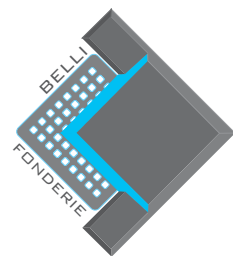


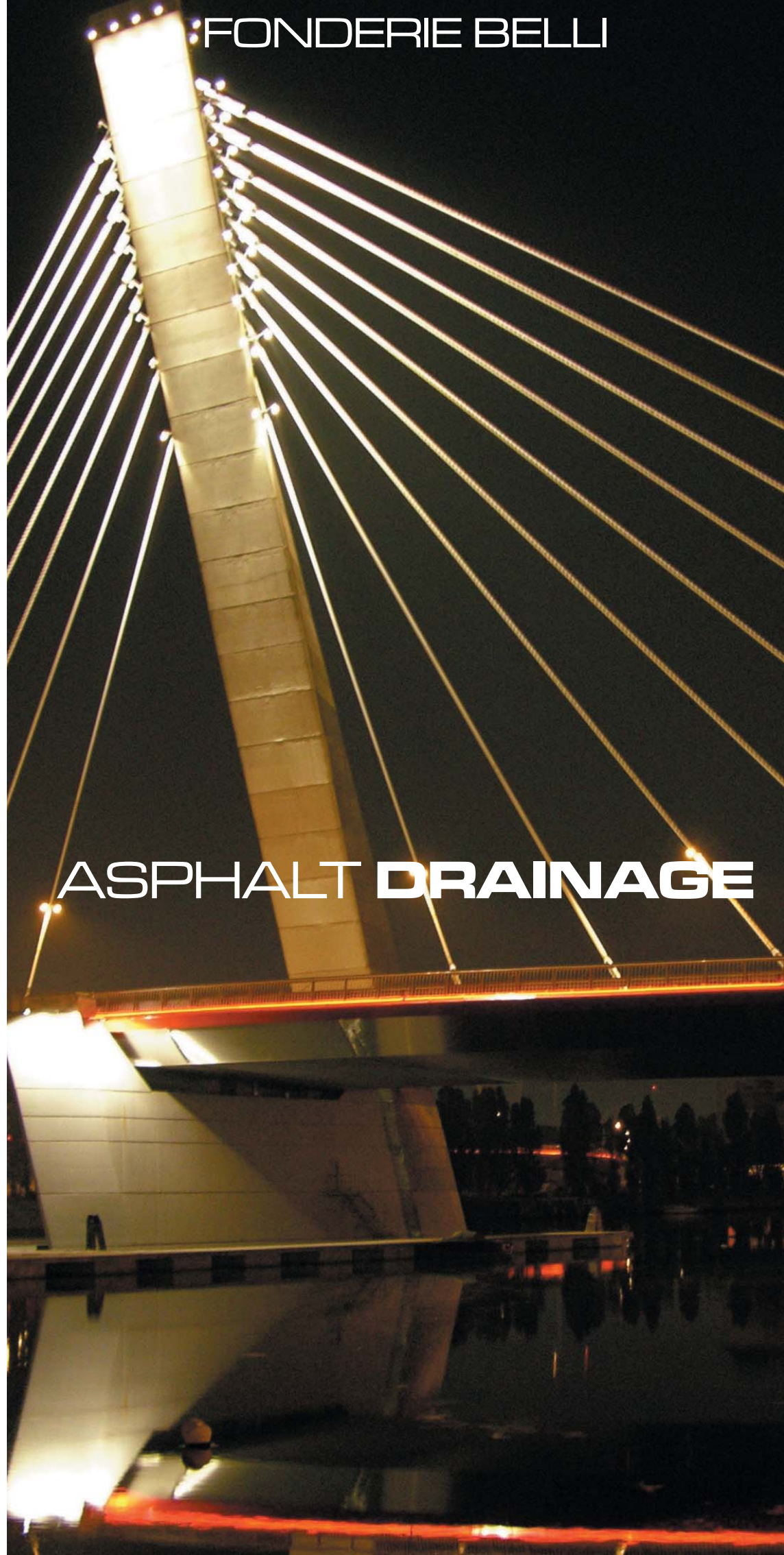
FONDERIE BELLI



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**ASPHALT DRAINAGE**



# DRAIN BRIDGE C250

# DRAIN QUEEN® D400



### Technical description

Drainage channel for viaducts in spheroidal cast iron EN-GJS-500-7, conforming to norm UNI EN 1563:2004 with load bearing capacity over 250 kN (25 tons), conforming to the load class C 250 as set out by norm EN 124. It is composed of 2 pieces (frame and cover) connected to each other by threaded bolts.

The drainage channel is made to be positioned on the side of highways and viaducts where there is need to collect water, not only from the road surface, but also from the same asphalt itself. Their relative installation foresees a continuous line of elements for the whole length of the road to be drained. The dispersion of water absorbed by the road surface is guaranteed through 18 flow holes, which have an overall section of 80 cm (the reduced section of the flow holes guarantees that any detritus from the road surface does not fall, inside the channel). The water from the road surface is collected by 3 drainage holes which have an overall section of 24.5 cm. The internal collection channel of the water, that comes from both the road surface and the draining asphalt, has a useful section of 140 cm. A male/female system allows an exact connection between successive elements and improves the hold of the drainage channel. The dispersion of water through the channel comes out through special elements fitted with overflows, which allows the connection to the clean water drainage system.

**Intended use:** For manhole covers and gullies for drain wells, installed in water run off areas along the side of pavements. The distance measured from the edge of the pavement extends by 0.5 m in the carriageway and for a maximum of 0.2 m on the pavement (see norm EN124 group 3).

**Treatment:** The manhole cover has a protective coating of black paint.



3  
GROUP

Code	Length cm	Width cm	Height cm	Weight kg	Price € (VAT excluded)	Pieces pallet n°
<b>DRAIN BRIDGE</b>	50	20	16	25	<b>126,00</b>	50

### Technical description

Concave grating in spheroidal cast iron EN-GJS-500-7 conforming to norm UNI EN 1563:2004 with load bearing capacity over 400 kN (40 tons) o 250 kN (25 tons), conforming to the load class D400/C250 as set out by norm EN 124.

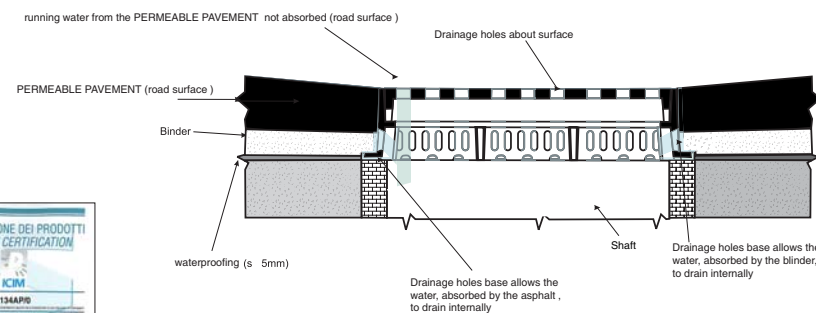
### ITS COMPONENT PARTS ARE:

**Frame** It is made in a single cast, square in shape, concave on two sides, which are high and reinforced, without gasket, whose stability is guaranteed through a metal to metal coupling. Externally, the outside border is flanged in order to optimise its hold in the cement and the insertion of the anchoring bolts. This particular frame, thanks to the specific drainage holes, allows the water to be absorbed by the asphalt to drain internally (and successively in the runoff channel).

**Grating** It is square in shape, concave on two sides. The upper surface is designed to be non-skid with self cleaning grips, which avoid blockage and the deposit of leaves, paper and other elements. This particular grating, besides receiving water from the road surface as normally happens for traditional systems, it is also able to collect water penetrated inside the asphalt.

**Intended use:** it is designed for footpaths and parking areas for all types of road vehicles (see norm EN 124 group 4), For manhole covers and gullies for drain wells, installed in water run off areas along the side of pavements. The distance measured from the edge of the pavement extends by 0.5 m in the carriageway and for a maximum of 0.2 m on the pavement (see norm EN124 group 3).

**Treatment:** The manhole cover has a protective coating of black paint.



Side detail of the grating



4  
GROUP

Code	Frame cm	Grating cm	Height cm	Flow surface dm²	Weight kg	Price € (Vat excluded)
<b>DRAIN QUEEN 60</b>	60x57	52x52	11	15,3	46	<b>135,00</b>
<b>DRAIN QUEEN 50</b>	50x48	43,2x43,2	9	7,5	30	<b>85,00</b>

3  
GROUP

Spare parts						
<b>Elastomer gasket</b>					0,5	<b>5,00</b>
<b>Screw in stainless steel diam 10</b>						<b>2,00</b>