Drainage Solutions
Airports and Ports
Airports and Ports Drainage Solutions F900  Extra heavy duty

- Linear duct and stand alone grating
- Large catch flow efficiency
- High wheel load resistance
- Secured access
- Third party certification
They trust EJ: 135 years of expertise

Port of Valencia, Spain
Port of Haifa, Israel
Port of Bilbao, Spain

Venice Airport, Italy
Dakar Airport, Senegal
Cali Airport, Colombia
Linear duct gratings F900 Extra heavy duty

Specifications

CA05110 FVL + END BARS
c/o 500 x 1000 mm

- Spheroidal graphite cast iron grating and frame according to ISO 1083 Grade 500-7 and EN1563
- Class F900 according to standard EN124: 2015
- NF certified by third party AFNOR
- Coating is black water-soluble paint, non-toxic, non-flammable and non-polluting
- Frame bars incorporate:
  - spigot feature for additional ease of installation
  - 2 holes Ø14 mm to dowel if necessary
  - room for levelling screw kit to avoid shimming
- Grating bolted down to frame bars by means of 2 HM12x60 zinc coated steel screws + lock washers
- Plugs provided for holes
- Innovative bar design to provide maximum water drainage*
- Pair of end bars

CA1055 FVL + END BARS
c/o 1000 x 450 mm

<table>
<thead>
<tr>
<th>Product reference</th>
<th>Item code</th>
<th>Overall size length x width (mm)</th>
<th>Clear opening length x width (mm)</th>
<th>Frame height (mm)</th>
<th>Frame bar support width (mm)</th>
<th>Waterway cm²</th>
<th>Catch flow efficiency L/s 50mm water height longi slope &lt; 2%</th>
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<tbody>
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*except for CA05110

Levelling screw kit
Linear duct gratings **F900** Extra heavy duty

Performances

The smooth ribs design avoids water turbulence and splatching to maximise the catch flow efficiency.*

With a height of 12 mm water, the CA1040FVL by EJ drains 6 times more water than the traditional slot drainage system and guarantees more safety in the event of heavy rainfall.

Easy installation

- Prepare rebate and install shuttering.
- Cast quick setting concrete pad to support frame junctions.
- Install front bar with brackets and position the first 1 meter unit, jointing frame bars.
- Check level and alignment.
- Follow on with the next unit and connect them to the previous one, interlocking the grating thanks to the spigots.
- Install rear bar.
- Pack under frame with concrete and backfill rebate.
- Ensure the locking screws are closed with a minimum torque of 8 m.kg and open to traffic.
Stand alone drainage gratings F900 Extra heavy duty
Specifications

SOLO SFGC - CIRCULAR GRATING AND SQUARE FRAME
- Spheroidal graphite cast iron according to ISO 1083 (type 500-7) and EN1563
- Class F900 according to standard EN124: 2015
- NF certified by third party AFNOR
- Black coating water-soluble paint, non-toxic, non-flammable and non-polluting
- Wide flat chloroprene rubber cushioning insert fixed on the grating
- Security blocking at 90° preventing accidental closure
- Square frame monoblock as cast with Ø 20mm holes to dowel if necessary
- Grating can be removed from the 90° angle

SOLO SFGR - CIRCULAR GRATING AND CIRCULAR FRAME
- Spheroidal graphite cast iron according to ISO 1083 (type 500-7) and EN1563
- Class F900 according to standard EN124: 2015
- NF certified by third party AFNOR
- Black coating water-soluble paint, non-toxic, non-flammable and non-polluting
- Wide flat chloroprene rubber cushioning insert fixed on the grating
- Security blocking at 90° preventing accidental closure
- Circular frame monoblock as cast with Ø 20mm holes to dowel if necessary
- Grating can be removed from the 90° angle

KD41F 4F - DOUBLE TRIANGULAR GRATING AND SQUARE FRAME
- Ductile iron to ISO 1083
- Manufactured to BS EN124 class F900, 90 tonnes safe test load
- Comply with HA 104 and conform to BS7903
- Black coated finish to BS 3416
- KM certified by BSI Kitemark
- Non rock double triangular design for stability and silence

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Stand alone drainage gratings F900 Extra heavy duty

Performances

With a height of 12 mm water and a <2% longitudinal slope the KD41F 4F by EJ drains 33 L/s

Easy installation

- Prepare rebate
- Lower frame in the rebate
- Check level
- Install shuttering and check level
- Fill the rebate up to the finished surface level (-20mm in case of asphalt finish)
- Remove shuttering
- Insert grating and open to traffic