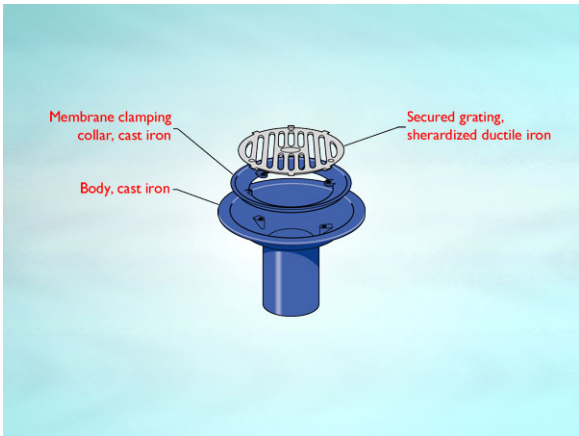
Quality Drainage Products

Product Details

WB303 Outlet with Circular Flat Grating **Technical Data**



Dimensions:

220 dia. at finish level
305 dia. body
165 - Height below Body Flange
Connection - 3" BS416 (75mm) / Harmer SML
Free Area - body= 44cm², grating= 130cm²
Materials - Grating - ductile iron, sherardized; Body - cast iron, lacquered; Membrane Clamp - cast iron, lacquered
Load Rating Class - L15
Weight - 6.2 kg

General Description:
220 Dia. Cast Iron 3400 series (Medium Sump) Cold Roof Outlet with Circular Flat Grating, for use with asphalt / composition finish, with 87 dia. vertical outlet.

Options:
To specify an option, add option letter(s) as a suffix to the Spec. Code
K - bonded insulation jacket
Z - rigid PVC flange for use with PVC single ply membranes

Materials:
Cast Iron - BS EN 1561: Used for bodies, membrane clamping collars, spigot adaptors and accessories such as extensions. A widely used metal in the drainage industry, its resistance to corrosion permits extended use under extreme conditions. Castings are coated with a high grade lacquer paint to provide internal and external surface coverage. Paint will gradually wear off and is replaceable; oxidisation (surface rusting) is a natural process which does not weaken the material. A zinc anti-corrosion coating is applied to certain castings by sherardizing.
Ductile Iron - BS EN 1563 + 1564: A casting with the ductility of steel, yet with more than twice the tensile strength of cast iron. A zinc anti-corrosion coating is applied by sherardizing.

All dimensions are in millimetres unless stated. In line with general practice all dimensions shown are nominal.

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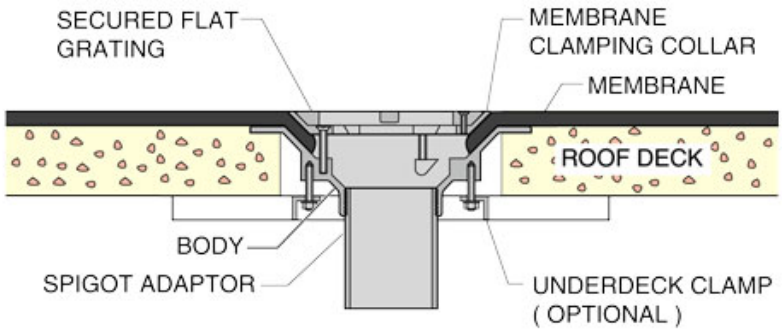
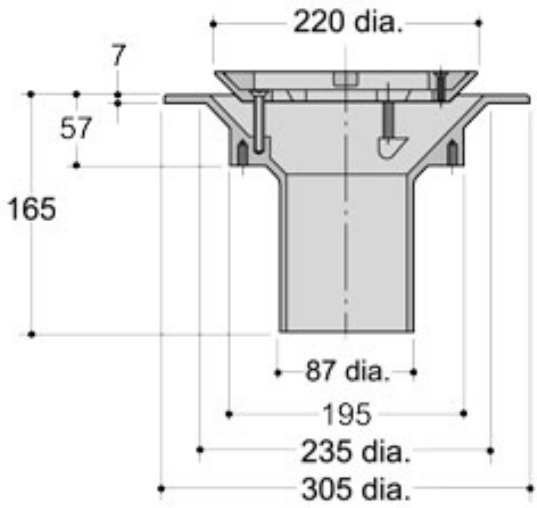
Typical Installation for WB303:

Note: This illustration may show a similar Wade Product - it is intended to show the general installation type only.



Dimensioned Section for WB303:



Flow Performance Figures for WB303:

Head of water at outlet	15mm	20mm	25mm	30mm	35mm	40mm	50mm
Flow Rate (l/s):	2.28	3.29	4.1	4.24	4.29	4.31	4.45
Roof area drained (m^2) at 0.021 l/s per m^2 rainfall rate:	109	157	195	202	204	205	212

Note: Flow rates of Wade roof outlets have been established by full-scale tests. The values shown in the table are 75% of such tests. The design of the layout of roof outlets should be in accordance with the recommendations given in BS EN 12056:3.