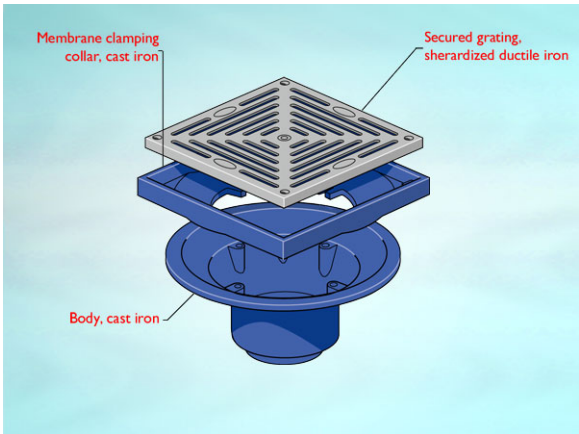
Quality Drainage Products

Product Details

WB516 Outlet with Square Flat Grating **Technical Data**



Dimensions:

320 square at finish level
405 dia. body
149 - Height below Body Flange
Connection - female 6" BSP threaded connection (150mm)
Free Area - body= 176cm², grating= 295cm²
Materials - Grating - ductile iron, sherardized; Body - cast iron, lacquered; Membrane Clamp - cast iron, lacquered
Load Rating Class - M125
Weight - 23.9 kg

General Description:
320 Square Cast Iron 3100 series (Deep Sump) Cold Roof Outlet with Square Flat Grating, for use with asphalt / composition finish, with 6" BSP 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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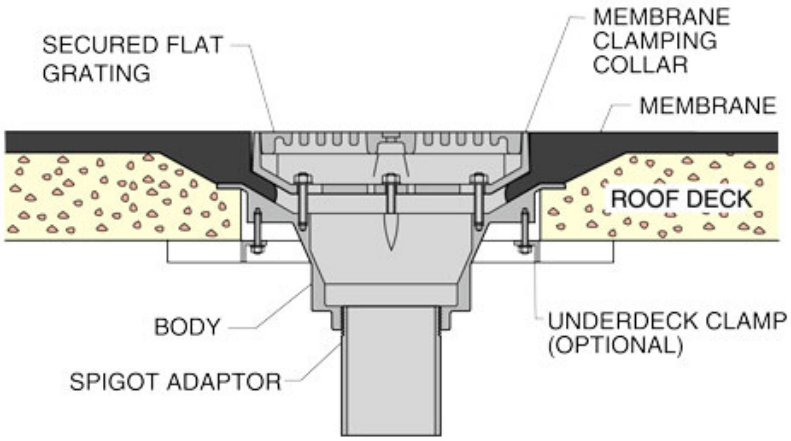
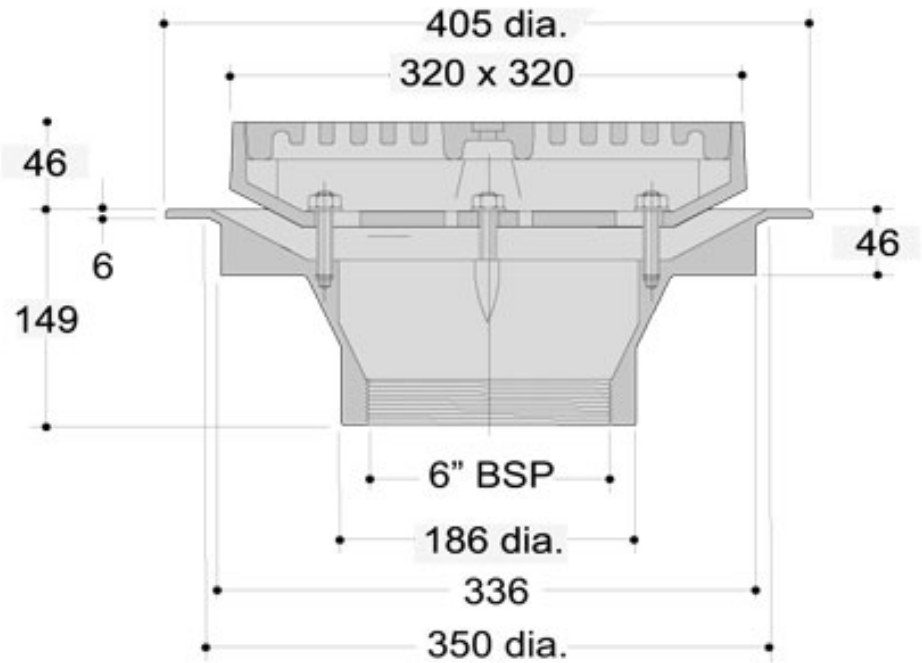
Typical Installation for WB516:

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



Dimensioned Section for WB516:



Flow Performance Figures for WB516:

Head of water at outlet	15mm	20mm	25mm	30mm	35mm	40mm	50mm
Flow Rate (l/s):	4.04	5.47	7.29	8.75	9.73	10.5	11.75
Roof area drained (m^2) at 0.021 l/s per m^2 rainfall rate:	192	260	347	417	463	500	560

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.