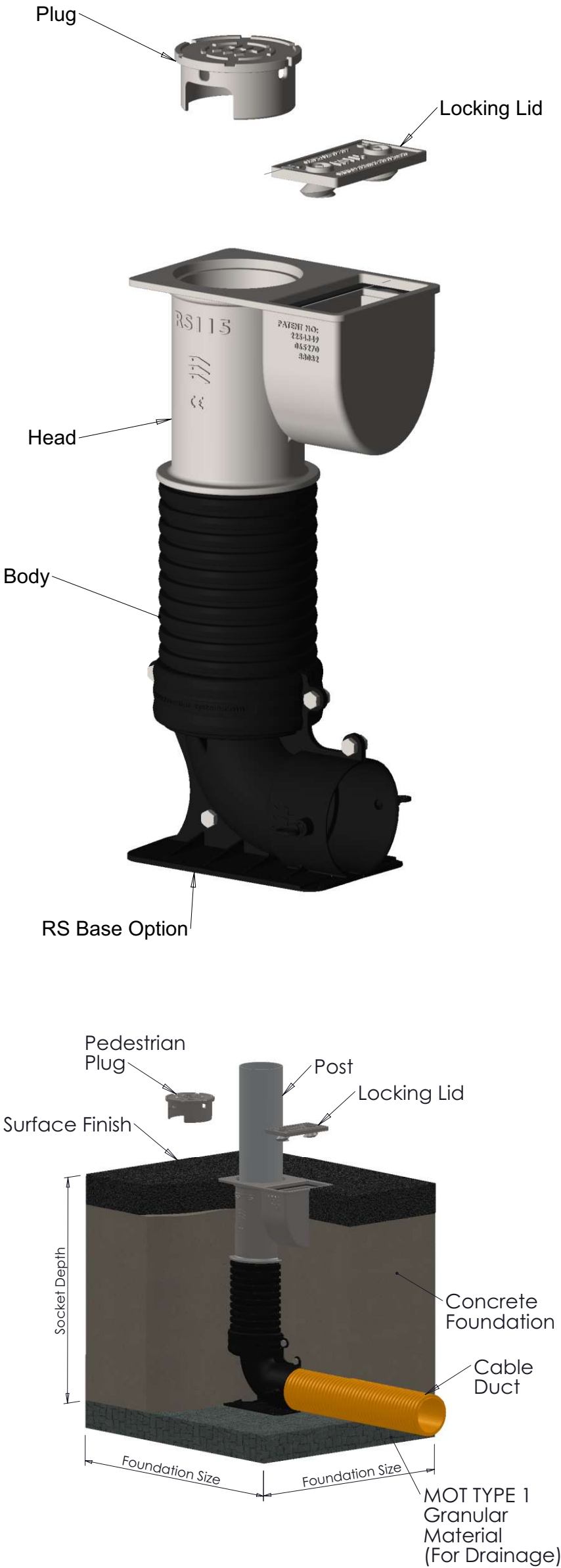


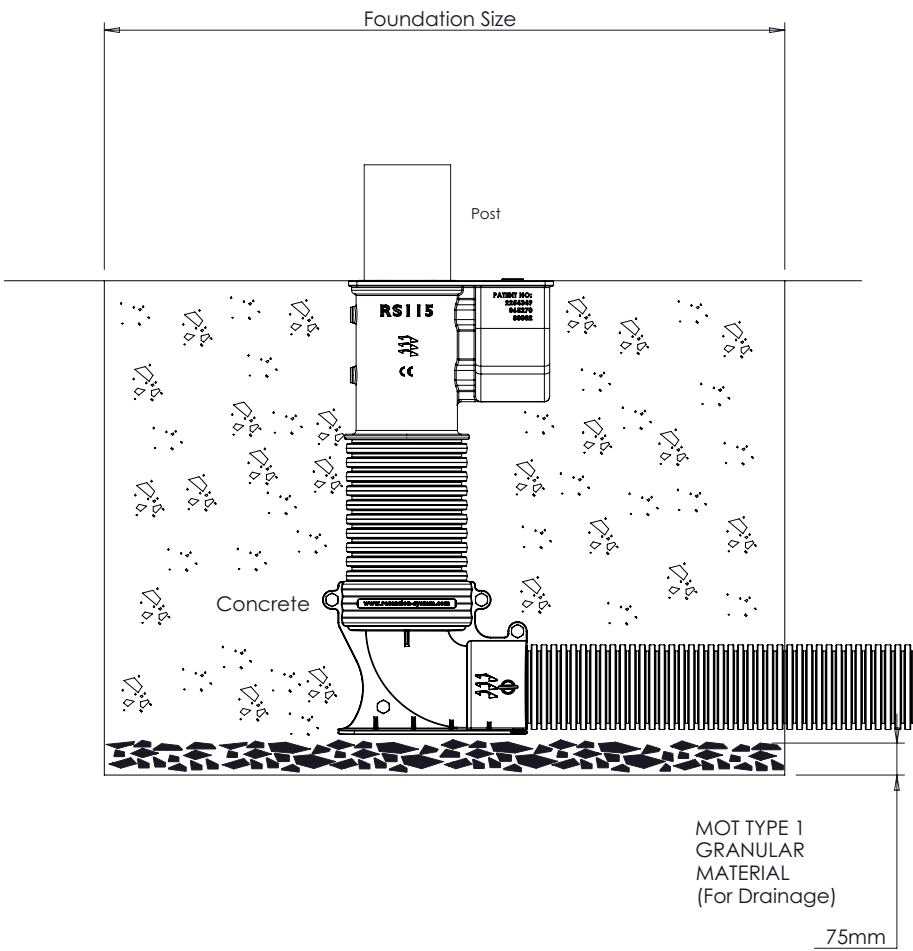
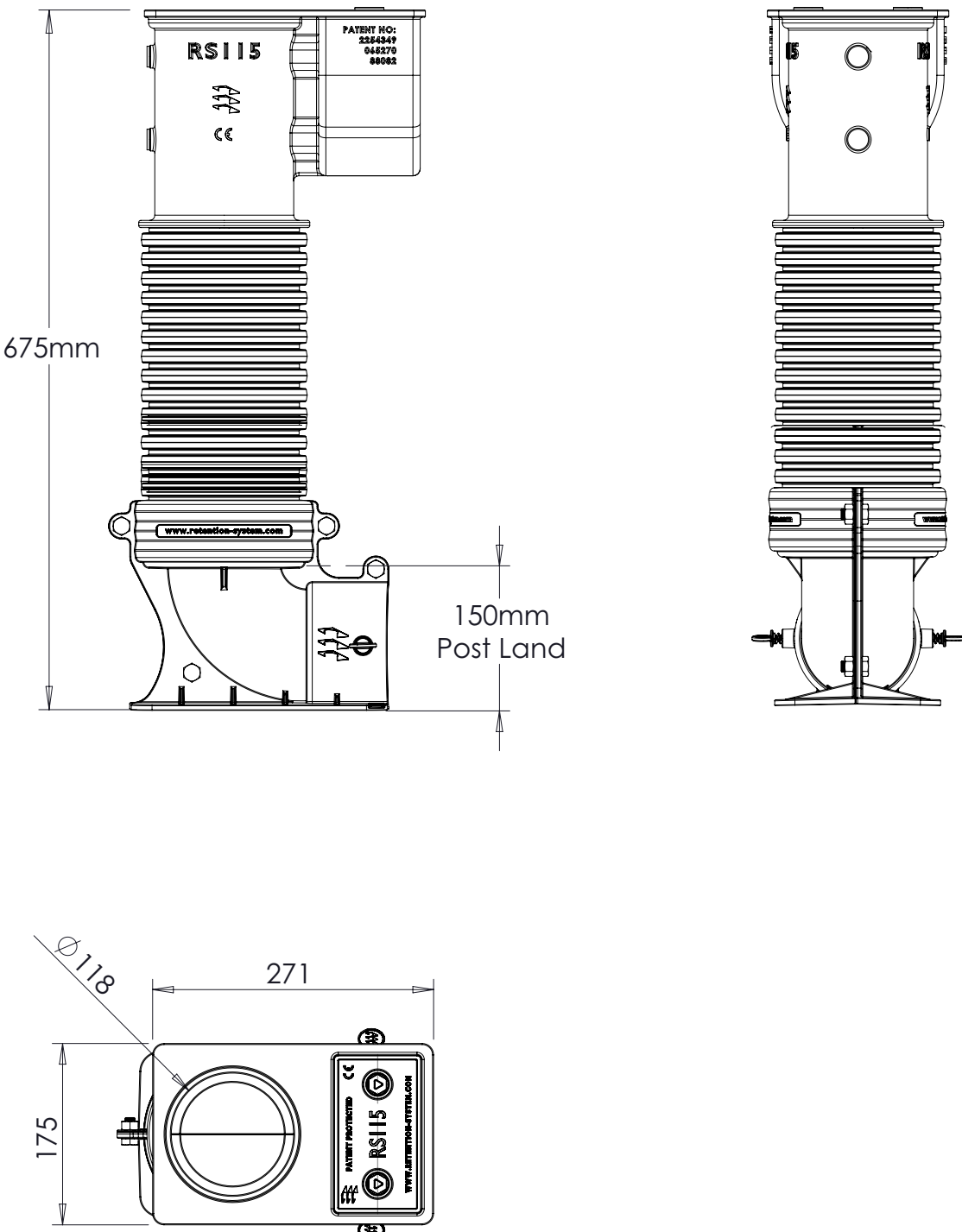
Retention Socket

Material Specification

RS115 Retention Socket



Duckfoot



- Retention Sockets tops must be constructed from cast steel to GS240 or ductile iron to BS2789 500-7
- Retention Sockets must be capable of withstanding high speed vehicle impact forces to steel posts with a wall thickness of 6mm. Retention Sockets must be able to withstand impact without any structural surround to the top 80mm of the unit. A valid impact test must result in a post deflection greater than 30 degrees. All sockets must be impact tested. Test data and independent certification must be available to substantiate claims for sockets and foundations.
- Posts must be positively secured into the Retention Sockets and be able to withstand a turning moment of 3.4kNm through a load of 230kg @ 1.5metre from the centre of post without any rotation.
- Securing mechanism of sockets to post must not damage the coating or galvanised surface of the post.
- All fixings which secure posts in place must be housed below ground ensuring no risk of damage, vandalism or theft.
- Retention Socket Pedestrian plugs must be tested to EN124 - B125 (12.5 tonne) loading.
- Pedestrian plugs must be able to be stored within the Socket to enable rapid deployment in the case of an emergency
- Retention Sockets must have the ability to be reduced in depth on site easily.
- Retention Sockets must be supplied with a bottom entry bend that can swivel 360 degrees. The bend must have the ability to utilise the full bore 100 mm diameters for easy cable entry. The bend must be compact, allowing the post to rest no further than 150mm above the foundation base. Ducts must be able to be inserted a min of 75mm into the bend and be mechanically fixed to ensure no displacement occurs during backfill.
- All operating components must be serviceable on site without removing the socket.
- The Retention Socket must be capable of accommodating graded surfaces in paved area such as those at pedestrian crossing.
- Retention Sockets supplied must have an associated lifting mechanism which enables Traffic Signal poles to be lifted and lowered in and out of the Retention Socket. This must be operated without the requirement for carriageway closures / TM.
- Suppliers of Retention Sockets must be able to supply EN40 & BD94/07 foundation design calculations for all sizes and depths of retention sockets supplied.
- In the event of an impact to a Retention Socket that has been installed according to the manufacturer's instructions, the Retention Socket must be warrantied against failure. In such circumstances the manufacturer must be responsible for replacement of the Retention Socket and all associated re-instatement costs.
- All Retention Sockets must be provided to the above specification by NAL Ltd or any equally approved manufacturer.



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RS115 Retention Socket

REVISION	
SCALE	1:10

PP REF	13.01.25.15.56
DRAWING NUMBER	Rs115 Retention Socket x 675mm

DATE	25/01/2013
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Rev	Details	Date