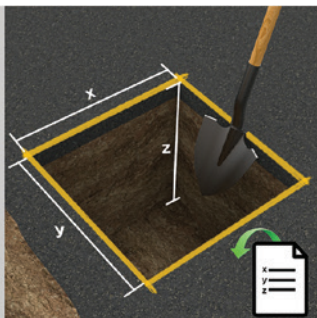


CIVILS INSTALLATION OF NAL RETENTION SOCKETS

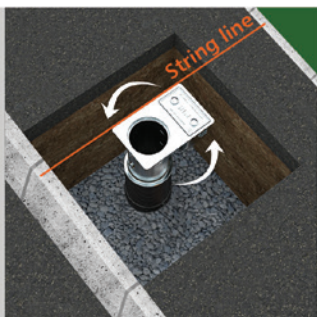
1

Excavate as per table on pages 2 and 3.



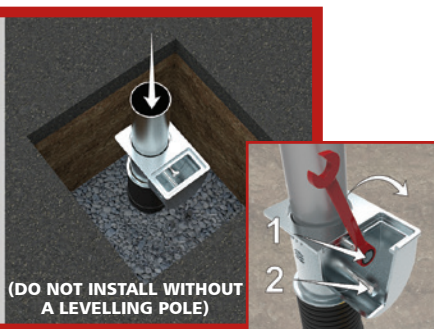
2

Insert socket, orientate top to suit. Set finished level with string line.



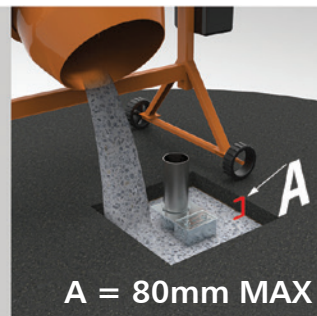
3

Insert and tighten levelling pole with bolts in the side chamber of socket.



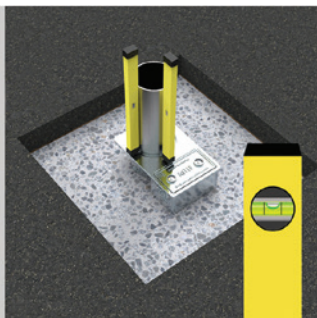
4

Surround with ST4 or C20 minimum strength wet concrete and compact.



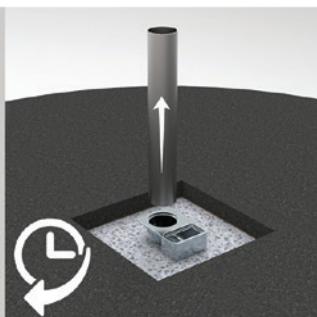
5

Using levelling pole, check vertical alignment.



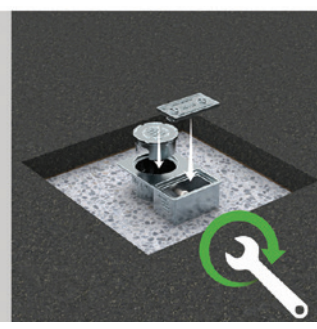
6

Remove levelling pole once concrete is set.



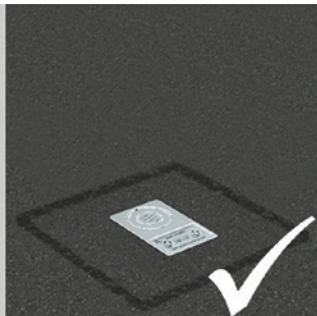
7

Replace pedestrian and side access covers.



8

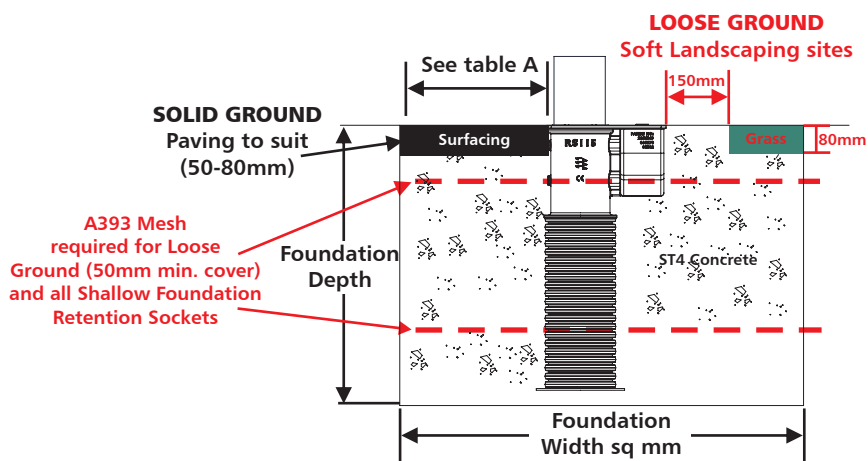
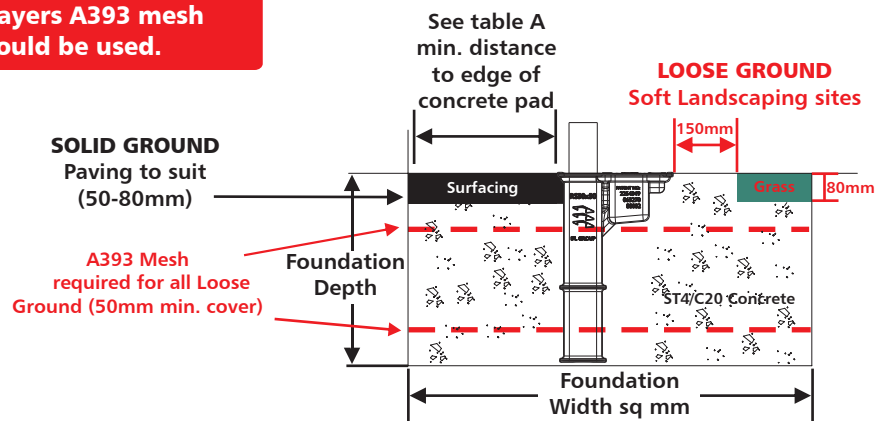
Re-instate finished surfacing.



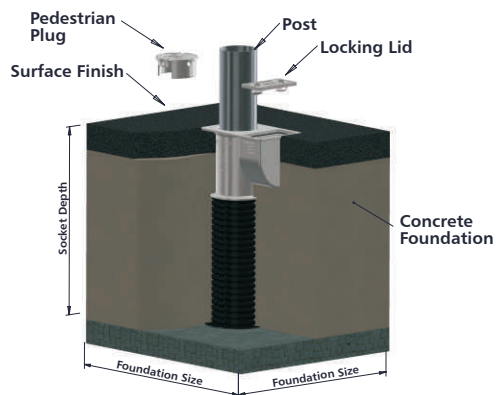
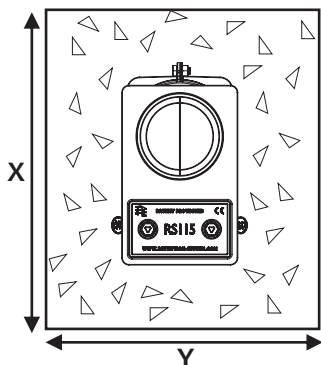
RETENTION SOCKET FOUNDATION DETAILS

All red values indicate 2 layers A393 mesh should be used.

Retention Socket Non-illuminated



For technical enquiries - Tel: 01905 427100 or Email: sales@nal.ltd.uk



Solid Ground (Cat IV, Wind 26m/s) - Retention Socket Foundation Details

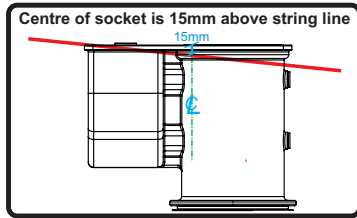
Retention Socket Depth	Post Height calculated	Foundation Width mm								Table A	
		300mm		450mm		600mm		750mm			900mm
Retention Socket Size		X	Y	X	Y	X	Y	X	Y	X	Y
RS48/50X50/50x60	Guardrail	450 x 450	-	-	-	-	-	-	-	-	150mm
RS60/RS76	4m	750 x 750	670 x 670	630 x 630	610 x 610	-	-	-	-	-	200mm
RS89	5m	920 x 920	800 x 800	740 x 740	700 x 700	670 x 670	-	-	-	-	200mm
RS115	6m	1200 x 1200	1000 x 1000	850 x 850	750 x 750	680 x 680	-	-	-	-	250mm
RS140/RS145	8m	1410 x 1410	-	1080 x 1080	1030 x 1030	990 x 990	-	-	-	-	250mm
RS165/168/177	10m	1700 x 1700	-	1370 x 1370	1300 x 1300	1250 x 1250	-	-	-	-	250mm
RS194/RS202	12m	2040 x 2040	-	1640 x 1640	1550 x 1550	1500 x 1500	-	-	-	-	300mm
RS219/RS226	12m	2130 x 2130	-	1710 x 1710	1620 x 1620	1570 x 1570	-	-	-	-	300mm
RS245	12m	2210 x 2210	-	1750 x 1750	1680 x 1680	1610 x 1610	-	-	-	-	300mm

Loose Ground (Cat II, Wind 26m/s) - Retention Socket Foundation Details

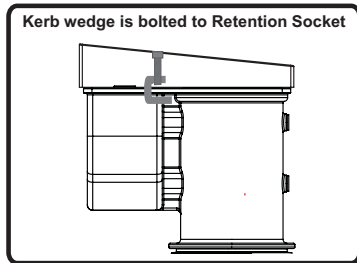
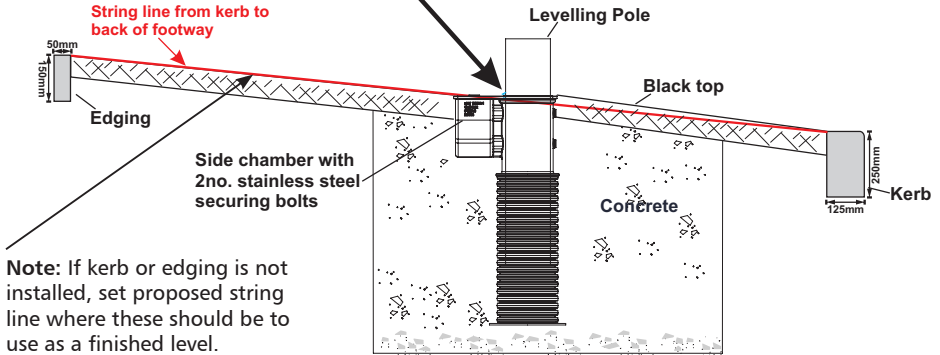
Retention Socket Depth	Post Height calculated	Foundation Width mm								Table A	
		300mm		450mm		600mm		750mm			900mm
Retention Socket Size		X	Y	X	Y	X	Y	X	Y	X	Y
RS48/50X50/50x60	Guardrail	650 x 650	-	-	-	-	-	-	-	-	150mm
RS60/RS76	4m	1070 x 1070	940 x 940	870 x 870	850 x 850	-	-	-	-	-	200mm
RS89	5m	1250 x 1250	1120 x 1120	1040 x 1040	990 x 990	960 x 960	-	-	-	-	200mm
RS115	6m	1600 x 1600	1400 x 1400	1200 x 1200	1100 x 1100	1040 x 1040	-	-	-	-	250mm
RS140/RS145	8m	1860 x 1860	-	1370 x 1370	1300 x 1300	1260 x 1260	-	-	-	-	250mm
RS165/168/177	10m	2130 x 2130	-	1710 x 1710	1620 x 1620	1560 x 1560	-	-	-	-	250mm
RS194/RS202	12m	2510 x 2510	-	2010 x 2010	1900 x 1900	1830 x 1830	-	-	-	-	300mm
RS219/RS226	12m	2630 x 2630	-	2100 x 2100	1990 x 1990	1920 x 1920	-	-	-	-	300mm
RS245	12m	2730 x 2730	-	2230 x 2230	2040 x 2040	1980 x 1980	-	-	-	-	300mm

Foundation calculations designed to EN40, wind speed 26m/s and max post height indicated. These are generic foundations, please contact us for bespoke foundations for signs. Other EN40 variables and BD94/07 Calculations available on request.

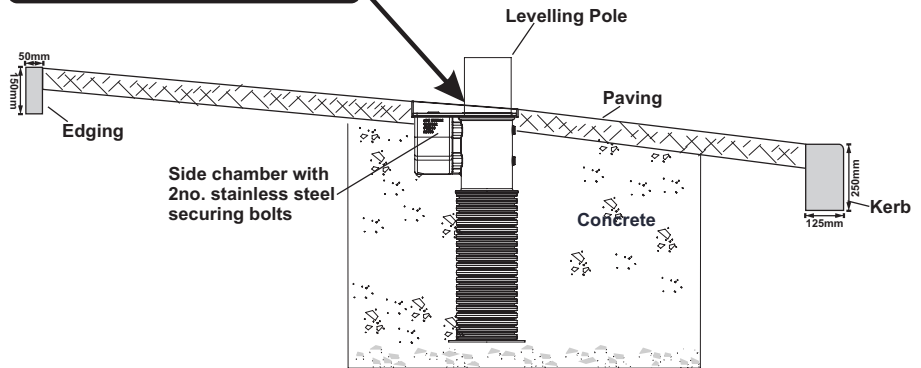
RECOMMENDED INSTALLATION FOR SLOPING SURFACES



Retention Socket in tapered flexible paving (tarmac) without Kerb Wedge



Retention Socket in tapered paving with Kerb Wedge



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