

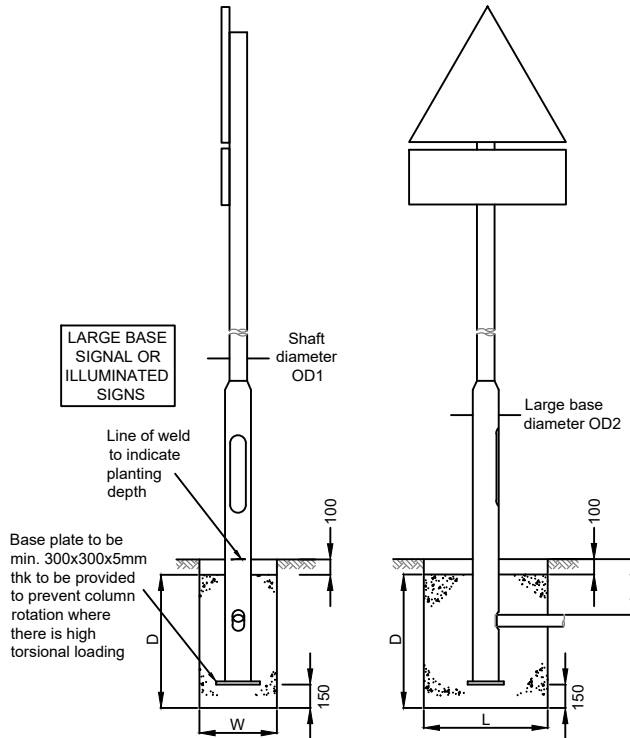
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED

FOUNDAT'N TYPE	A	B	C	D	E	F	G	H	I
LENGTH L (mm)	450	700	800	1000	900	1300	1200	1800	1800
WIDTH W (mm)	450	500	500	500	500	500	600	600	600
DEPTH D (mm)	600	600	700	800	900	900	1000	1000	1200

ALL DIMENSIONS ARE MINIMUM REQUIREMENT, THUS LENGTH OF FOUNDATION CAN BE INCREASED TO SUIT MORE THAN ONE POSTS ARRANGEMENT

NOTES:

1. This chart is suitable for determining post and foundation type in all areas maximum design wind pressure 1.3 kPa safety factor against overturning is 1.25 to BS EN 12899-1:2007 and DMRB volume 2 section 2 part 1 BD 94/07. Max. allowable ground bearing pressure 85kN/m²
2. This drawing should be read in conjunction with drawing HST/1200/004-007.
3. On multi-post assemblies where horizontal spacing between individual foundations is impractical the foundation widths shall be combined to a single width, see HST/1200/003.
4. For signs beyond the range of this chart, post sizes and foundations shall be designed from first principles or appropriate sign design software.
5. Concrete shall be grade GEN2

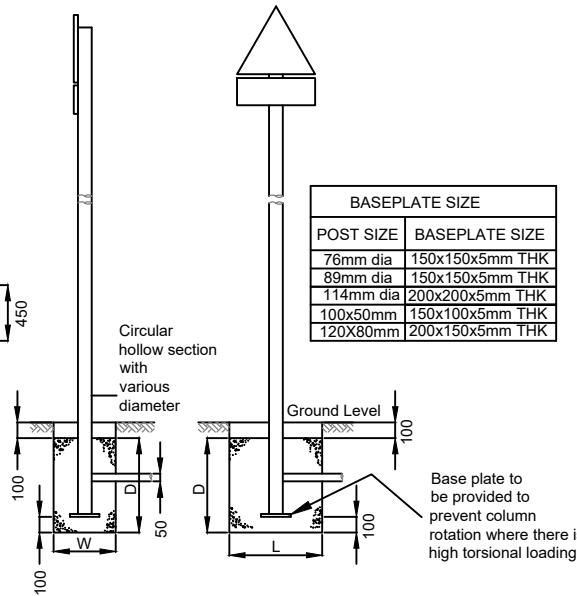


LARGE BASE SIGNAL OR ILLUMINATED SIGNS

Line of weld to indicate planting depth

Base plate to be min. 300x300x5mm thk to be provided to prevent column rotation where there is high torsional loading

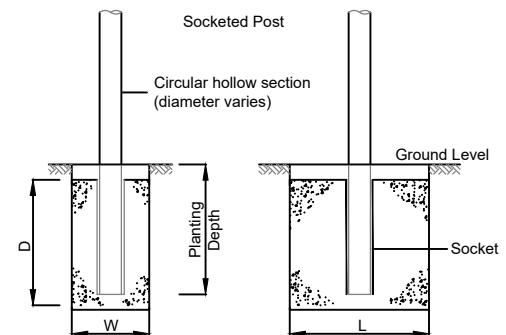
OD1	OD2	WIDTH 'W'	DEPTH 'D'	LENGTH 'L'	CABLE SLOT
76	140	SEE CHART DWG HST/1200/004-007 or use software to BS EN 12899			150 x 75
89	140				150 x 75
114	140				150 x 75
114	168				150 x 75



BASEPLATE SIZE	
POST SIZE	BASEPLATE SIZE
76mm dia	150x150x5mm THK
89mm dia	150x150x5mm THK
114mm dia	200x200x5mm THK
100x50mm	150x100x5mm THK
120X80mm	200x150x5mm THK

Base plate to be provided to prevent column rotation where there is high torsional loading

Post sockets are to be 25mm to 70mm greater diameter than the proposed post and void filled with 3mm grit or kiln dried sharp sand upto 100mm of the top of the socket. the top 100mm of the void to be filled with rapid set cement mortar. sockets may be fabricated from pvc, mdpe, concrete or earthenware pipes. sockets are not to be used on single post sign assemblies.



Notes	IWP No.				Drg No. HST/1200/002				Rev. -	
	CAD	Drawn	Checked	Approved	Project Title					
	Initials	JLB	JLB	SJR	ADS	HCC STANDARD DETAIL DRAWINGS				
	Date	7/11	7/11	7/11	7/11	Drawing Title				
	Scale	1 OF 1				CONCRETE FOUNDATIONS FOR STRAIGHT AND LARGE BASE TRAFFIC SIGN POSTS				

