

ALUMINIUM VERTISHORES



VERTISHORES ARE THE QUICKEST, SIMPLEST AND SAFEST WAY TO SHORE A TRENCH.

Shore Hire’s Aluminium Vertishores are the quickest and easiest method to shore a trench in cohesive soils. Installed usually by one person from beside the top of the trench, the trench can be safely shored while the excavator can continue to dig. Various length rails allow trenches to be shored to over 3.0m in depth, while a choice of extension spacers will provide widths in excess of 2.7m. Installation is carried out using the installation tool and then pressurised using the hydraulic hand pump. By using a system of 3 Vertishores, a trench up to 2.4m in length can be safely shored in minutes.

ALUMINIUM VERTISHORE SPECIFICATIONS

	V450-900	V450-1400	V1050-900	V1050-1400	V1500-900	V1500-1400	V2100-900	V2100-1400	
Length of Rail	450mm	450mm	1070mm	1070mm	1500mm	1500mm	2130mm	2130mm	
Width of Rail	204mm	204mm	204mm	204mm	204mm	204mm	204mm	204mm	
# of Cylinders	1	1	2	2	2	2	2	2	
Min Trench Width	550mm	850mm	550mm	850mm	550mm	850mm	550mm	850mm	
Max Trench Width	1750mm	2750mm	1750mm	2750mm	1750mm	2750mm	1750mm	2750mm	
RANGE	Extension 900.1(550-900)	550-900mm		550-900mm		550-900mm		550-900mm	
	Extension 900.2(840-1180)	840-1200mm		840-1200mm		840-1200mm		840-1200mm	
	Extension 900.3(1120-1460)	1120-1460mm		1120-1460mm		1120-1460mm		1120-1460mm	
	Extension 900.4(1400-1750)	1400-1750mm		1400-1750mm		1400-1750mm		1400-1750mm	
	Extension 1400.1(850-1400)	850-1400mm		850-1400mm		850-1400mm		850-1400mm	
	Extension 1400.2(1310-1850)	1310-1850mm		1310-1850mm		1310-1850mm		1310-1850mm	
	Extension 1400.3(1760-2300)	1760-2300mm		1760-2300mm		1760-2300mm		1760-2300mm	
	Extension 1400.4(2220-2750)	2220-2750mm		2220-2750mm		2220-2750mm		2220-2750mm	
Stroke (Approx.)	340-350mm	530-540mm	340-350mm	530-540mm	340-350mm	530-540mm	340-350mm	530-540mm	
Min Depth	-	-	1060mm	1060mm	1500mm	1500mm	1975mm	1975mm	
Max Depth	-	-	2445mm	2445mm	2460mm	2460mm	3020mm	3020mm	
Weight - With Standard Extensions	11kg	13kg	23kg	28kg	28kg	32kg	32kg	37kg	
Max Hydraulic Pressure	1500psi	1500psi	1500psi	1500psi	1500psi	1500psi	1500psi	1500psi	

Note: For shoring in cohesive soils only. Extra extension spacers are required for wider trenches.

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SOIL ARCHING

Soil Arching is created by the hydraulic pressure from the Vertishore rams creating "fingers" of pressure into the surrounding soil. These fingers produce a "Soil Arching" effect which prevents the soil collapsing into the excavation.

