HUMES

Trench Shoring

Safe, strong, efficient trench shoring systems

KRINGS INTERNATIONAL FRANCE

TRENCH SHORING NEW ZEALAND

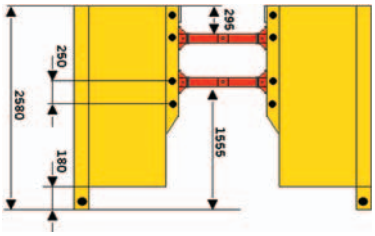
Trench Shoring New Zealand
shoring systems

KS100 Trench Box

The KS100 is the optimum shoring solution for almost all soil conditions where boxes are useable. 2.5m and 4m long modules from 1.0m to 3.3m wide enable shoring 3.5m deep and up to 4.8m deep in some conditions. The KS100 is the most versatile trench box for pipes and services installations up to 1500mm diameter.

ECK500 Manhole Box

Specifically for manholes these units have 600mm returns at each end. The modules are 2.5m long and can be adjusted from a 2m inside width to 3m using standard KS100 spindle assemblies. Base panel heights are 2.4m and extension panels 1.3m, enabling shored depths of 5m.



DGVP Double Slide Rail System

This system enables safe and efficient shoring to at least 6m deep and almost any width to suit the application. The double slide rails are connected by a heavy duty frame that slides up and down within the slide rails to give very large clearances. Panels are 4m long and either 2.4m or 1.3m deep. Corner slide rails enable a 4 sided pit configuration.

KKP Sheet Pile Frame & Sheet Piles

Where there are services crossing the trench, which make the use of standard shoring panels difficult, the KKP frame can be installed with either the KS100 system or the double slide rail. Guide panels are 4m long and 1m deep. 7 x 8mm x 6.5m long sheet piles are installed each side, by pushing them into place as the excavation progresses.

	KS100	ECK 500	DGVP	KKP	Sheet Piles
Shoring Module Length	2.5 - 4.0m	2.5m	4.38m	4.1m	6.5m x 8mm
Height of Base Units	2.2m	2.4m	2.4m + 2.4m	1.0m	–
Height of Extension Unit	1.3m	1.3m	1.3m	–	–
Pipe Clearance under Lower Struts	1.4m	1.5m	Variable	Variable	–
Assembly Weight	1285kg - 2403kg	1264kg - 1934kg	–	2124kg - 2380kg	–
Primary Component Weight	–	–	225kg - 1338kg	–	325kg each

Standards

- Krings shoring systems are certified by TBG in Germany, the organisation of reference for the standardisation of trench shoring in Europe.
- The European standards for shoring form the basis for the Australian Standard AS4744.1
- The KS100 system has been independently tested in New Zealand and is certified by a Chartered Professional Engineer to the NZ Dept of Labour OSH Approved Code of Practice for EXCAVATION AND SHAFTS FOR FOUNDATIONS. Loads were referenced from AS4744.1

For further information or advice freephone 0800 502 112 or visit www.humes.co.nz