
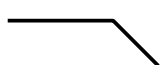


MAPLESTEAD MINI-RING

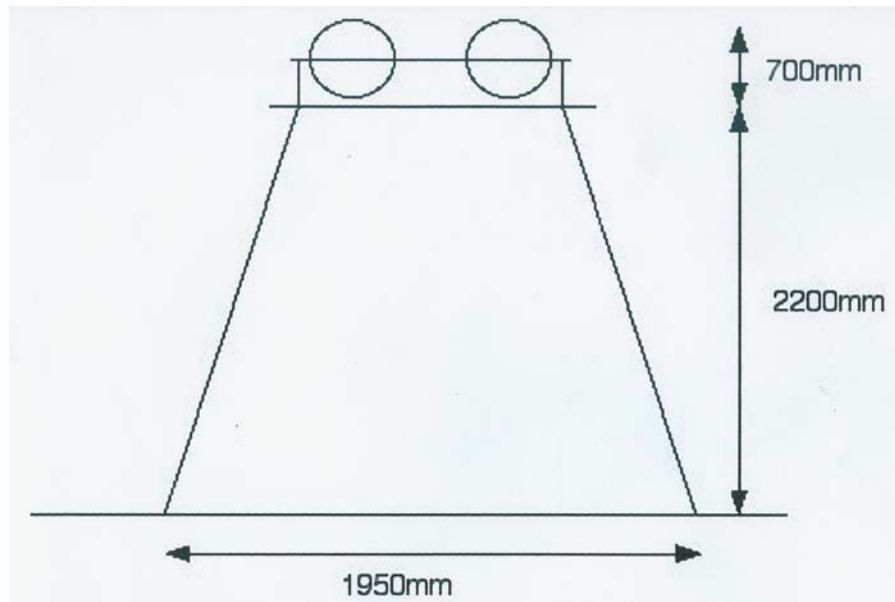
Component Parts

This Portable Mini-Ring breaks down into several smaller parts for transport:

- 4 **Bell frame pairs** - on base boards, each containing 2 bells.
Each frame is of wooden construction max 700mm wide x 600mm deep x 600mm high
The bells are complete with wheels, ropes, pulleys, etc. **but no stays or sliders.**
- 1 **Upper cruciform** with 2 integral support 25mm angles : max 1050mm x 1050mm across.
- 1 **Lower cruciform** : max 1050mm x 1050mm across. 
- 2 25 x 25mm **Outer support angles** : 1440mm long
- 4 150 x 50mm box-section **Upper Structure Elements/legs** (“knees”) :
1000mm horiz x 960mm vert → extreme 1570mm “tip-to-tip” 
- 4 150 x 50mm straight box-section **Leg Extensions**

Space Required

Generally:



Note that additional space is necessary:

- approx 1m strip at one side to erect the support frames
- approx 600mm strip to each side, but ideally all round,
 - to move ringers around the structure
 - to erect stepladder when (if) a bell is over-thrown(!)

Notes

The Support Structure is quite heavy, but can be lifted and “walked” from an initial assembly position to its final ringing position.

It is strongly advised to cushion the load from the legs:

- Using carpet squares on indoor surfaces – the legs are quite “sharp”.
- Using paving slabs on soft outdoor surfaces such as grass.

The bells use hard steel clappers which, while ideal in an open air setting, can be TOO LOUD in an indoor setting. It is recommended to apply thin foam or fabric (medical first aid) plaster as deemed necessary by the neighbours in the hall....

MAPLESTEAD MINI-RING

Method Statement

Description

The Mini-Ring and Support Structure comprise the following elements:

- 4 Bell frames on base boards each containing 2 bells
- 1 Upper cruciform with 2 integral support angles
- 1 Lower cruciform
- 2 Outer support angles
- 4 Upper structure elements/legs (“knees”)
- 4 Leg extensions
- Bolt and surface protection. (*tennis balls / hosepipe / tape / concrete slabs / carpet squares*)

Tools required

- 2 x 19mm spanners and/or socket drivers
- 1 x 17mm spanners or socket driver
- (*optional*) 10mm socket driver
- Stepladder – needed for erection and also if bell over-thrown!

Erecting

allow 30-50 minutes...

Two, but ideally three people are required to safely erect the Mini-Ring.

Two people should hold together the upper and lower cruciforms and one upper structure element (knee), noting and matching the dimpled match marks 1 – 4 on each element, and bolt together finger tight only. Use surface protection under legs as necessary.

Insert remaining upper structure elements (knees), between upper and lower cruciforms, again carefully noting and matching the dimpled match marks, and bolt together finger tight using the longest 19mm bolts and nuts. Washers should be used under both head and nut.

Mount and bolt on outer support angles, one is match marked with a dimple at one end, using the short 17mm bolts. You will need to manipulate the frame to properly locate the studs - now you know why the initial bolting was finger tight only! Finally firmly tighten all bolted fixings.

Raise/tilt up one side of the upper support structure – this needs your strongest person! Then one or two assistants insert two adjacent leg extensions, once again noting and matching the dimpled match marks, and bolt firmly to upper structure using the shorter 19mm bolts and nuts. Washers should be used under both head and nut. The leg extensions fit quite snugly so you must get alignment accurate to locate bolts, and check the chamfered leg ends are right way, flat to floor.

Now lift / tilt up the other side of support structure to its full height. Insert and bolt last two leg extensions. Tighten all leg extension bolts and fit protection to exposed bolt thread if required.

Lift the wooden bell frame pairs and slide along angle runners from each end into position and locate using 10mm bolts and wing nuts. These should be tightened to ensure movement of frames is minimised. Note that the bell frames have similar dimpled match marks on the outer frame ends that match the leg marks below - if correct then upper bolt heads will fit in pockets on frame base.

Lastly fit protection (tennis balls!) to exposed threads of main support bolts, hosepipe segments to leg bolts, and pads of concrete or carpet under each leg if not done on erection.

Demounting

allow 25-35 minutes...

To demount reverse above procedure!