

ARCHIVE ~ MOBILE

THE ACCOMMODATING SYSTEM



Used in:

Public Record Offices
Banks
Museums
Insurance Companies
Corporate Archives
Retail stores

Used for:

Picture Racking with overhead anti tilt.
Cabinets
Long span racking
Delta Shelving
Beta shelving
Other makes of shelving
Garment hanging
Museum items
Upgrading existing static shelving / racking

A heavy duty mobile system that can be supplied in lengths up to 12 metres, widths up to 1.2 metres and loads of up to 1250kgs per wheel. The system uses a geared drive mechanism to overcome the substantial loads that it can operate under. Additionally the system can also be supplied with electronic control for even easier operation.

Archive Mobile bases are constructed from a rigid steel base (BS1449) that ensures continued operation for many years. The initial 12-month warranty can be extended with a maintenance agreement and some installations have been operating satisfactorily for over 20 years.

Tracks can be fixed to a range of different floor surfaces and are levelled to the requirements of BS 5454:2000 to prevent rolling. Where floors are subject to deflection under load Archive Mobile can be fitted to our patented adjustable track system. This allows the track level to be adjusted under load and without disruption to archive operation.

Archive Mobile Base - Data

Mobile Bases operate on tracks made from 2"x 5/8" steel bar bright zinc plated. The tracks can be grouted in position, screwed down and shimmed or adjustable to allow for floor deflections. Between 2 and 8 tracks can be used depending on base length and weight loadings.

Mobiles can be friction driven via the hand wheel through the upstand onto a drive shaft connecting the wheels or chain driven through the upstand onto a drive shaft through to a sprocket and an in track chain.

Mobiles can have a gear reduction in the upstand of 2.1 for loadings up to 4 tons, 4.1 reduction through a gearbox mounted within the base for 4 to 10 ton loadings and 8.1 reduction for 10 to 20 tons.

The standard loadings per wheel are 1000 kg that can be increased to 1250 kg per wheel with heavy-duty bearings and all bearings are sealed for life so that maintenance on them is not required.

Guidance is through a bearing mounted to the under side of the mobile chassis and located into a channel attached to the track.

The mobile base chassis is made from rolled steel channel section 2.5 mm thick and 120 mm high with 40 mm flanges.

The wheel cross members are made from 2 mm HR sheet steel punched and folded and fixed to the outer channels in a jig to ensure that the frame is square.

Base sizes are from 400 mm to 1200 mm wide and from 2 metres to 12 metres long and are supplied in sections for assembly on site.

Bases are powder-coated paint to a BS or a RAL number.

On narrow bases (more than 6:1 height to width) an anti-tilt system is fitted to ensure that the mobile remains stable. This can either be in-track or overhead.

Infill floors are supplied to fit between the tracks to give a flush surface and can be TG flooring grade chipboard or marine plywood with surface finish of clear varnish or covered with vinyl or carpet tiles.

Decorative end panels are available to be fitted on both or either end of mobiles to improve appearance and match existing decor.

Hand wheels or steering wheels are supplied and locks are available for security or plunger type pin lock for safety within working isle.

Archive Mobile FFD Base - Data

This is a non-levelled version of Archive Mobile that does not have grouted tracks or infill floors.

Mobile base chassis is fabricated from a rolled steel channel section 120 mm x 40 mm x 2.5 mm thick to the outer long edges and folded and punched wheel cross members channels made from 2 mm HR steel welded in position.



The track is made from 20 mm x 10 mm bright steel bar attached to a folded sloping ramp section to lessen tripping. It is supplied in lengths of up to 3 metres and is screwed direct onto the existing floor without any levelling subject to the site conditions.

The base guidance system is by flanged wheels over the front and rear tracks for positive guidance.

The drive system is by means of a hand wheel through the upstand down to the drive shaft at the front of the base.

Drive wheels are connected via a drive shaft through each wheel to form a positive drive.

Bases can be up to 8 metres long with wheels under each upright to support the downward load.

Bases are fitted as standard with plunger type locks into the spoke hand wheel to stop any rolling of the mobile when in the stationary position or to stop people getting trapped whilst in the isle.

Key type locks to the spoke hand wheels can be provided for extra security.



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