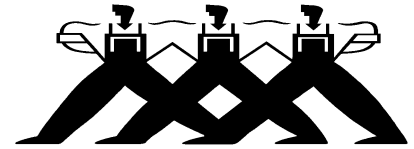


# BOWER BEAM

## JOIST REPAIR PLATES



Property Repair Systems  
01626 872886

### Introduction

BOWER BEAMS are steel L shaped plates supplied in pairs to replace rotted joist ends or for use in splicing two joists together end to end.

BOWER BEAMS can be fitted to domestic joists to replace up to 17 inches (430mm) of joist.

### Special features

- Easy to fit
- High strength
- Zinc plated
- Replaces wood in the wall
- Fits most domestic joists
- Immediate full strength repair

## DESCRIPTION

BOWER BEAMS are zinc coated steel plates, which can be used to replace rotted joists in domestic properties. They are supplied as Kits comprising two plates and coach screws. They sit in or on the wall and extend across to fix onto the sides of the original joists.

## TECHNICAL DATA

### Material

Steel, KHR to BS4360

### Thickness/Appearance

2mm, Zinc grey

### Coach Screws – 10mm x 40mm

BM17/150mm – 14, BM17/100mm – 12,  
BM6 – 6, BM9 – 8, total/plate pair kit

### Protective Coating

SupaGalv Zinc to BS2989

### Lengths of cut-off (from the joist end)

BM6 - 6 inch (150mm), BM9 - 9 inch  
(225mm), BM17 - 17 inch (425mm)

### Plate Sizes

BM6 - 100mm deep x 510mm long  
BM9 – 100mm deep x 635mm long  
BM17 – 100mm deep x 1000mm long  
BM17 – 150mm deep x 1018mm long  
Base flange lip– 25mm on all types

## USES

For replacing joist ends in domestic buildings and to carry replacement joist sections, whilst allowing floor boards to be re-fixed.

## PREPARATION & METHOD

Cut away the decayed timber and clean out the wall socket/bearing. The end of the original joist can be cut square or at angle.

Slide the plates into the wall socket or onto the original bearing and lift up tight to the original joist. Hold in place with nails or screws through the holes in the underside of the plates, or use clamps.

Select the soundest parts of the original joist and choose holes for the coach screws that will not be directly opposite each other. Drill pilot holes for the screws and fix using a spanner or socket. Use an equal number of screws for each plate. Fit a new piece of wood into the gap between the wall and joist end, if necessary to support floor boards.

**Property Repair Systems - 01626 872886**  
**Email – [help@propertyrepairsystems.co.uk](mailto:help@propertyrepairsystems.co.uk)**  
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