

the
futurebuild®
range



CHANGES TO hyJOIST® SECTION GEOMETRY

WHAT IS hyJOIST®?

hyJOIST® is an engineered I-joist manufactured from cross banded plywood and Laminated Veneer Lumber (LVL) flanges. hyJOIST is generally used for floor joists and rafters and has many practical advantages over sawn timber sections including:

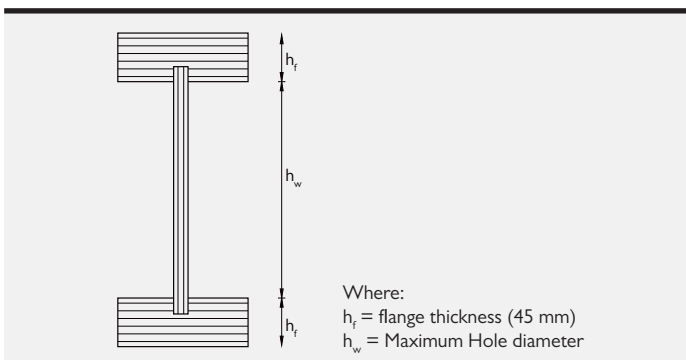
- No packing and planing
- No mid-span blocking
- Lightweight
- Easy to install services
- Available in 45mm, 63mm and 90mm wide options

hyJOIST is available Untreated and HI.2 glueline and surface spray treated.

hyJOIST® SECTION CHANGES

Since its introduction, New Zealand made hyJOIST has been manufactured using a 39mm thick flange. From August 2017, hyJOIST may be supplied with a 45mm thick flange, as outlined in Figure 1.

Figure 1: hyJOIST® Section Dimensions



WHAT DO YOU NEED TO KNOW?

The structural performance of hyJOIST remains the same with a 45mm thick flange as it was with the 38mm thick flange. This does however, result in a change to the maximum allowable penetration size in all hyJOIST Sections. Table 1 outlines the Maximum Hole Diameter for individual hyJOIST sections.

Table 1: hyJOIST® Maximum Penetrations

hyJOIST Section	Maximum Hole Diameter (mm)
HJ200 45	107
HJ240 63	147
HJ240 90	147
HJ300 63	207
HJ300 90	207
HJ360 63	267
HJ360 90	267
HJ400 90	307

For assistance with permitted hole locations use designIT® for houses software, available for free download from www.chhsoftware.com.

ADJACENT OUTRIGGERS

Where adjacent outriggers have been applied for cantilevered floor joist solutions most sizes will still be applicable. In the case of HJ240 63 hyJOIST, a 150x45 hySPAN® outrigger will no longer fit in between the flanges. In this case we recommend ripping the hySPAN section down to 147mm to allow for a 3mm clearance between the outrigger and the flange. To confirm the suitability of this solution for your individual application contact CHH Woodproducts on 0800 808 131 or consult designIT for houses software.

HELP AND SUPPORT

For technical enquiries and support, phone the Technical Support line on 0800 808 131. Design Software is also available for free download from www.chhsoftware.com.