

# Report



Harpun Fasteners A/S  
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Denmark

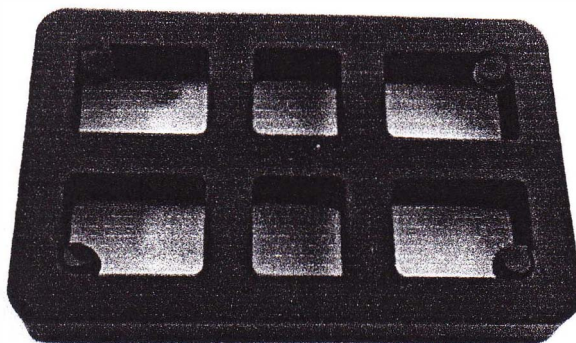
File No. m1471-187117  
Date 2002-10-14  
Page 1 of 1  
Enclosure 1  
ADK/AFS/JET

## Compression of Harpun adjusting plates

Compression of three Harpun adjusting plates received October 5 2002.

### Description

According to information from client the plates were manufactured in 30% glas fibre reinforced polypropylene (PP). The dimensions of the plates were width x length x thickness = 50 mm x 80 mm x 10 mm, see photo below.



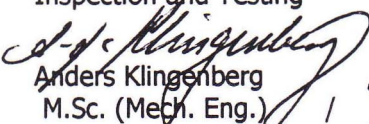
### Testing

Each of the three plates were in turn placed between two parallel steel planes and compressed using a steadily increasing compression force at a rate of 5 mm per minute.

### Results

The results are presented as force-extension graphs in enclosure. Figure 1 shows the force-extension graphs for deformation of the corner taps of the plates. Figure 2 shows the similar deformation of the entire plates. Figure 3 shows the deformation without a plate and represents the compliance of the test equipment for reference.

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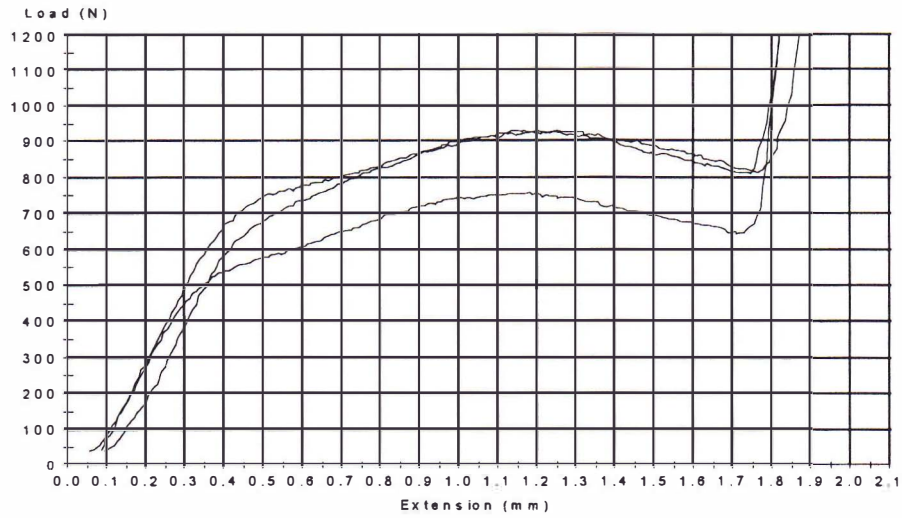


Fig. 1  
Deformation of  
corner taps

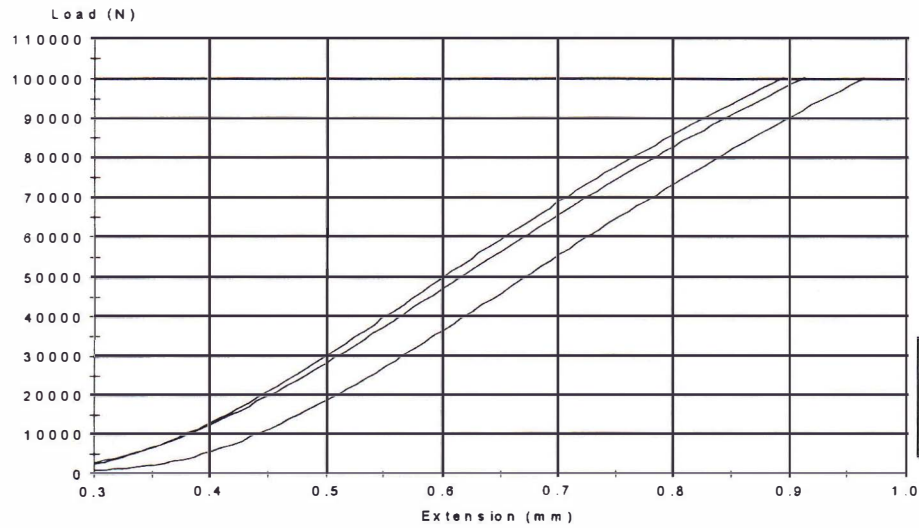


Fig. 2  
Deformation of  
entire plates

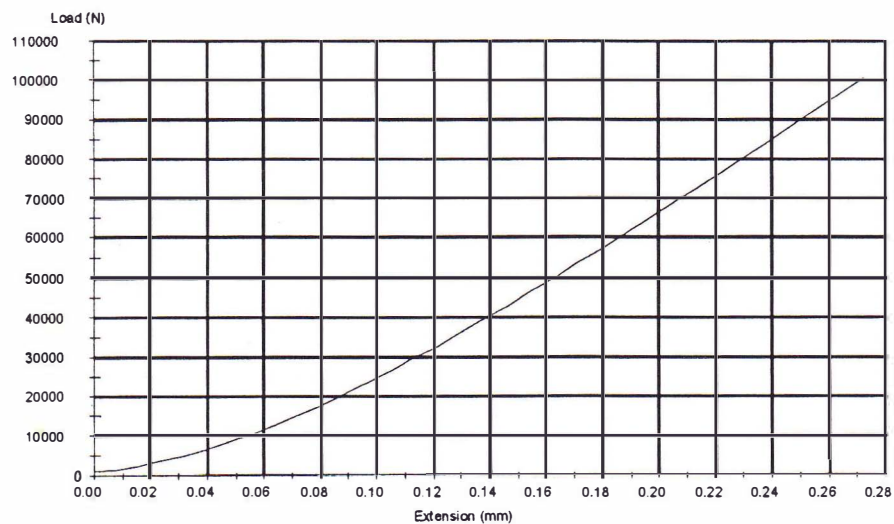


Fig. 3  
Reference