

- Do I intend to design my construction in such a way that it complies with the European machine guidelines or other statutory regulations?
- Will it be of interest to me how safely and economically my construction will be lifted, turned, lashed and mounted during the complete manufacturing process?

If   then go on...

- Have I provided suitable suspensions (lifting-/lashing points) for every individual part weighing > 15 kg/33 lbs, every individual sub-assembly and for the complete construction?
- Have I prepared the load from the initial production step with the proper thread hole to attach RUD lifting points?
- Have the suspensions been arranged and chosen in such a way that the sling system and the construction itself allows a safe and smooth lifting procedure?
- Have the suspensions been chosen in such a way that every sling system (hook assembly, ring assembly, wire rope slings and round slings) can be used without necessitating additional manipulations which are time-consuming and insecure, e.g., with bolting shackles?
- Is the position at which the lifting point is to be attached suitable for the force introduction?
- Are the chosen lifting points nicely designed and shapely?



### Selection of insufficient suspensions!

Eye bolt  
DIN 580

**Insufficient!**



Lifting only in clearly defined range of sling angle (up to 45° to the vertical).  
When turning the load, the eye bolt will turn out → no support → Risk of failure!

**Incorrect loading on improvised lifting points!**



Frequently, heavy plates are used which have not been designed for a possible inclined load, or they have been over dimensioned such, that hooks with a small width or shackles cannot be attached.

DIY solutions  
(Do it yourself solutions)

**Safety hazard!**



Non rated lifting points mean a high safety risk. They must have an identified „Working Load Limit“, manufacturers identification markings and must meet all lifting requirement standards.



**New!**  
3D-CAD  
Files

Reference no. 7104459

More than 250 different tested and certified lifting / lashing points (200 of which are for bolting and 56 for welding) can be ordered to specifically meet your requirements. All you need to consider is the weight of the load, the number of lifting / lashing points used and the angle of inclination of the lifting sling.

With just a mouse click, the working load limits can be calculated for 14 different applications.

Using the simple layout or the much easier search function with features like the thread size of the lifting point, you can easily determine the appropriate product. Just put the required products into your shopping basket, update them upon request and print them out.

Over 600 drawings can be exported as DXF files. They are then accessible as 2D and 3D geometrical data in JGES format, which is available for CAD - systems. **NEW:** With lashing chain protocol and capacity calculation.

