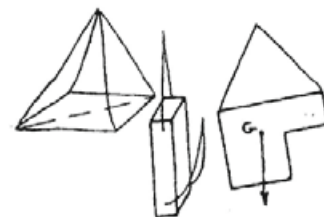




LIFTING TECHNOLOGY OF CODIPRO

User Manual



Determine strain per suspension point

Reminder:

- + If a load is suspended on 4 points in pyramid-shape, only two diagonally opposing points carry the entire load
- + If a load is being lifted vertically, only the two upmost points carry the entire load
- + Consider the mass centre of the load
- + Select a ring with a working load limit sufficient for the strain of the suspension point
- + When fastening the bolt in a material with low sturdiness, use a larger sized ring to compensate
- + The fastening points on the load are determined by the chart corresponding to the selected ring-type

There are two main cases

- + Threaded rings/direct attachment on the side of the load provides exchangeability in most cases
- + Centering rings, threaded rings and support rings: +C, centering seat within tool component obligatory: usually, the use of our rings is already determined during planning; the rings remain within the tool component to optimize the resisting force when lifting at an angle of 90°

Assembly

When the axis blocks at the selected torsional moment, the contact surface of the ring has to rest evenly on the contact surface of the load and at the same time has to ensure the movability of the ring or the eye in the direction in which it is lifted.

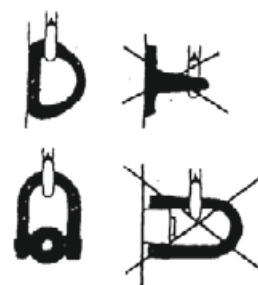
Maintenance, Inspection

Long-term greasing – all moving parts have to move properly – the axis has to run smoothly – the thread must be kept in good shape. Deformed, warped parts or axes that “jump” during tightening are the result of prior misuse or negligent maintenance. Since the parts are assembled manually, it is important to check the parts are in proper working condition. At least one obligatory inspection per year. Damaged axes are usually replaceable.

General guidelines

Check before every lifting:

- + If the axis is blocked
- + If the contact surface rests completely on the load
- + The movable parts move properly
- + Make sure rings, eyes and cargo fasteners are aligned with the lifting direction
- + Consult respective advisors before lifting especially heavy or voluminous loads
- + Observe customary safety regulations for the transportation of heavy loads, do not step beneath suspended loads, do not expose your personnel to any danger in the working area of the lifting equipment; avoid impacts, sudden maneuvers or vibrations



IMPORTANT REMINDER

Only use with blocked axis! Outer parts must be movable in all directions!