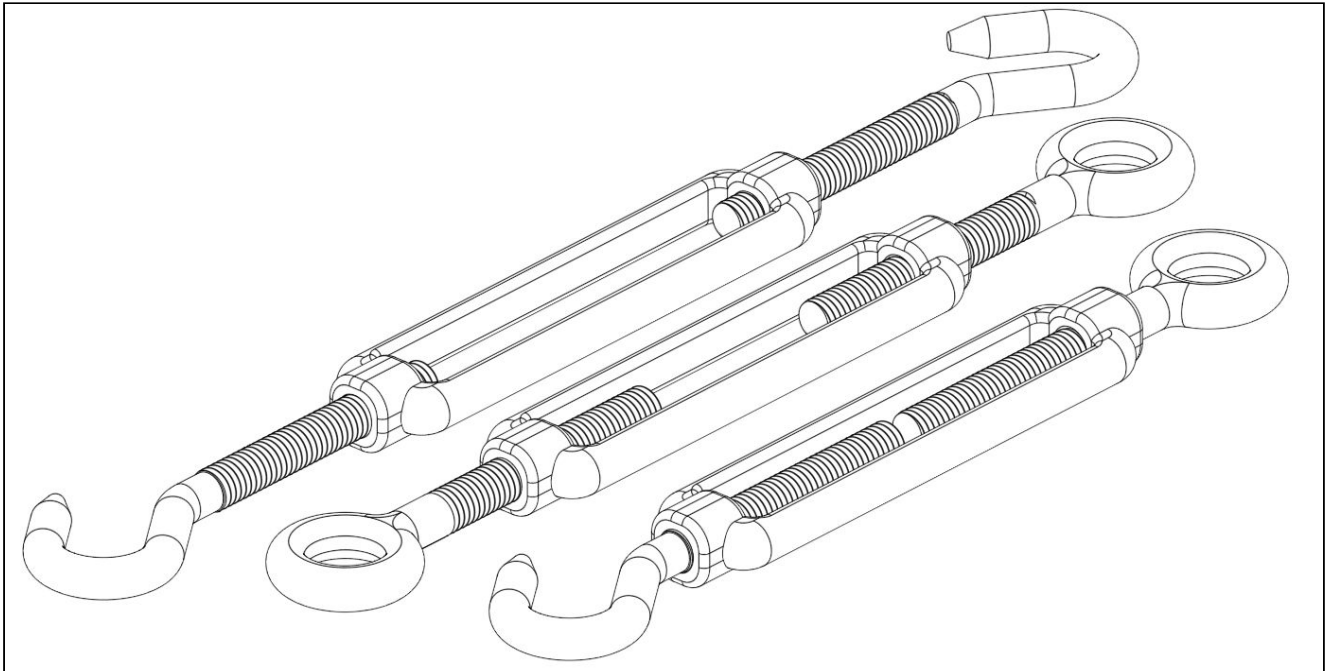


TURNBUCKLE INSTRUCTIONS



1/ DRAWING



2/ INFORMATION

ALWAYS:

- ✓ Inspect the turnbuckles for damage, wear, or corrosion at the start of each work period.
- ✓ Select the correct pattern of turnbuckles for the application – i.e. hook & hook; hook & eye; or eye & eye.
- ✓ Ensure the load acts through the centre line of the Turnbuckles.
- ✓ Ensure that the turnbuckle ends are fully engaged in the turnbuckle body.

NEVER:

- ✗ Use turnbuckles that are defective or have bent or deformed bodies.
- ✗ Replace a turnbuckle component with one other than the one designed for the purpose.
- ✗ Force, hammer or wedge turnbuckles into position.
- ✗ Eccentrically load turnbuckles.
- ✗ Shock load turnbuckles.
- ✗ Exceed the rated load (WLL or SWL) of a load rated turnbuckle.

3/ USING TURNBUCKLES SAFELY

- Do not attempt lifting operations unless you understand the use of the equipment, the slinging procedures and the mode factors to be applied.
- Ratings on turnbuckles are designed for in-line loading only (i.e. perpendicular to the pin or bolt and in line with the body of the turnbuckles).
- Do not side load or compressive load a turnbuckle. Turnbuckles should be fitted so that the body takes the load along its centre line and is not subjected to side bending loads.
- Note that turnbuckle hooks have a working load limit that is less than a turnbuckle eye or a turnbuckle jaw. When using turnbuckles with multi-leg slings, consideration shall be given to the effect of the angle between the legs of the sling. As the angle increases, so does the load acting on the sling leg and any turnbuckle (or other component part) included in the sling.
- Keep clear from suspended loads. A falling load may cause serious injury or death.
- Never change the original dimensions of the turnbuckle.
- Welding or heating turnbuckles is prohibited as such action may destroy the heat treatment and therefore adversely affect the mechanical properties of the turnbuckle.

ALWAYS USE TURNBUCKLES IN COMPLIANCE WITH THE MANUFACTURERS STATED WORKING LOAD LIMITS

PLEASE NOTE THAT THE DIN 1480 COMMERCIAL TURNBUCKLES ARE NOT RATED FOR LIFTING

In-service Inspection and Maintenance

Maintenance requirements are minimal. Keep turnbuckles clean, the threads free of debris and protect from corrosion.

Regularly inspect turnbuckles and, in the event of the following defects, refer the turnbuckle to a competent person for thorough examination: illegible markings; distorted, worn, stretched or bent body; bent hook, jaw or eye; damaged or incomplete thread forms; nicks, gouges, cracks or corrosion; incorrect pin, cotter, nut or bolt; wear or corrosion; or any other defect.