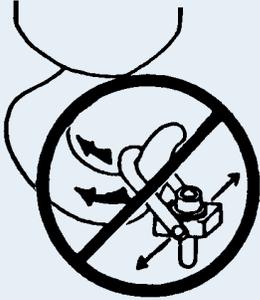
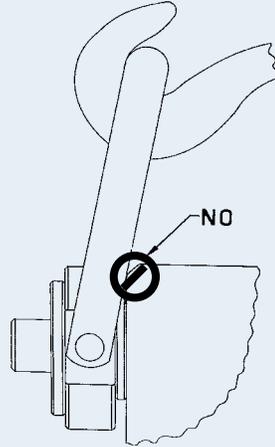


Installation Information



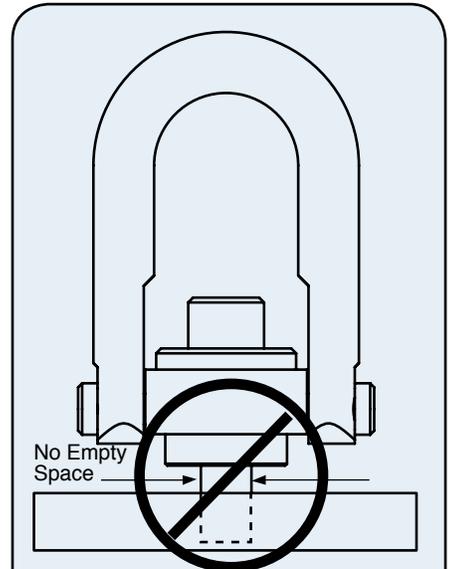
Never use a hook or other lifting device which will pry or tend to open the "U" shaped bar on Center-Pull Hoist Rings!

Fig. 1



After installation, check the hoist ring to be sure it swivels and pivots freely in all directions. **The side of the ring must not contact anything!**

Fig. 2



Always ensure full thread engagement when installing hoist rings!

Fig. 3

Select the proper Hoist Ring for the job. Do not attempt to apply more than the rated load capacity. *The load capacity is marked on the Hoist Ring.*

Drill and tap the workpiece so that the hoist ring bolt is installed perpendicular to the surface of the workpiece. Countersink the tapped hole to prevent "swelling" of the top thread when the hoist ring bolt is torqued. The workpiece surface must be flat, providing complete contact for the hoist ring bushing.

Do not use spacers between the hoist ring bushing and the workpiece surface.

When installing in soft metal, such as aluminum, the minimum effective thread engagement should be two times the diameter of the thread. When installing in steel, thread engagement should be 1-1/2 times the thread diameter.

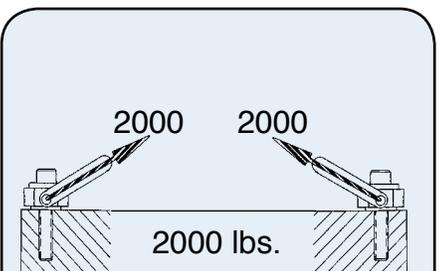
Always *tighten the bolt to the proper torque value*, which is stamped on the Hoist Ring.

Loosening of the *bolt* may develop during use. *Re-tightening to the required torque must be done whenever the bolt loosens.* The proper tightening torque is stamped on the Hoist Ring.

When lifting, apply force gradually. **DO NOT APPLY SHOCK LOADS.**

For through-hole applications, be sure that nut/washer are the same quality grade as the Hoist Ring.

Periodic visual inspection and pull testing is recommended as damage can occur from improper usage.



Depending upon the sling angle, **the applied load may be more than the weight being lifted.** Two point lifting of a 2000 pound weight, with a sling angle of 30°, will result in an applied load of 2000 pounds to **each** hoist ring!

Fig. 4