



FORGED EYE BOLTS

WARNINGS

1. Loads may slip or fall if proper eye bolt assembly and lifting procedures are not used.
2. A failing load can seriously injure or kill.
3. Read and understand both sides of these instructions, and follow all eye bolt safety information presented here.
4. Read, understand and follow in diagrams and charts below before using eye bolt assemblies.

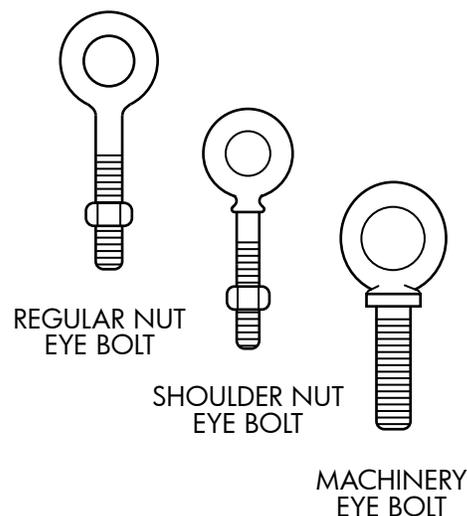
IMPORTANT SAFETY INFORMATION

1. Always inspect eye bolt before use.
2. Never use eye bolt that shows signs of wear or damage.
3. Never use eye bolt if eye or shank is bent or elongated.
4. Always be sure threads on shanks and receiving holes are clean.
5. Never machine, grind, or cut eye bolt.

ASSEMBLY SAFETY

1. Never exceed load limits specified in Table I.
2. Never use regular nut eye bolts for angular lifts.
3. Always use shoulder nut eye bolts (or machinery eye bolts) for angular lifts.
4. For angular lifts, adjust working load limits as follows:

Direction of Pull	Adjusted Working Load
45 degrees	30% of rated working load
90 degrees	25% of rated working load
5. Never undercut eye bolt to seat shoulder against the load.
6. Always countersink receiving hole or use washers to seat shoulder.
7. Always screw eye bolt down completely for proper seating.
8. Always tighten nuts securely against the load.

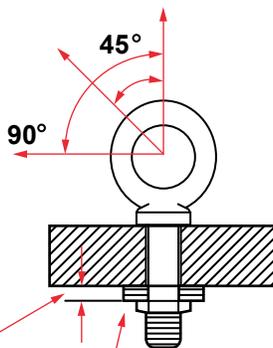


SHOULDER NUT EYE BOLT

Installation for angular loading:

The threaded shank must protrude through the load sufficiently to allow full engagement of the nut.

If the eye bolt protrudes so far through the load that the nut can't be tightened securely against the load, use properly sized washers to take up the excess space BETWEEN THE NUT AND THE LOAD.



Thickness of spacers must exceed the distance between the bottom of the load and the last thread of the eye bolt.

Place washers or spacers between nut and load so that when the nut is tightened securely, the shoulder is secured flush against the load surface.

SHOULDER NUT EYE BOLT

IN-LINE LOAD	
SIZE (INCHES)	WORKING LOAD LIMIT
1/4	650
5/16	1200
3/8	1550
1/2	2600
5/8	5200
3/4	7200
7/8	10600
1	13300
1-1/4	21000
1-1/2	24000