

SERIES: FLOW
SHAFT LIFTING EYE USE

 FURTHER LIFTING AND RIGGING INFORMATION CAN BE FOUND AT
 WWW.USA.GOV, WWW.OSHA.GOV, AND WWW.EH.DOE.GOV.


CAUTIONS:

- ALWAYS STAND CLEAR OF ANY LOAD
- ALWAYS LIFT LOAD WITH A STEADY, EVEN PULL; DO NOT JERK
- NEVER EXCEED THE WORK LOAD LIMIT OF THE LIFTING EYE, SEE **TABLE 1**
- NEVER MODIFY LIFTING EYE
- ALWAYS LIFT THE SHAFT IN THE PLANE OF THE EYE, NOT AT AN ANGLE (SEE **FIG. A**)


WARNING

- LOADS MAY SLIP OR FALL IF PROPER EYE BOLT ASSEMBLY AND LIFTING PROCEDURES ARE NOT USED.
- A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH.
- READ AND UNDERSTAND THESE INSTRUCTIONS AND FOLLOW ALL EYE BOLT SAFETY INFORMATION PRESENTED.


INSPECTION: ALWAYS INSPECT HARDWARE BEFORE AND AFTER EACH USE.

REPLACE IF:

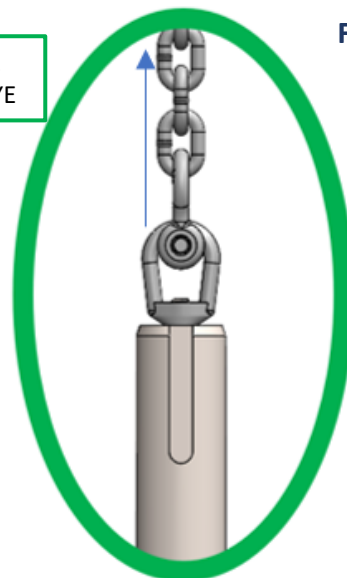
1. THERE ARE INDICATIONS OF HEAT DAMAGE INCLUDING WELD/WELD SPLATTER, OR ARC STRIKES
2. THERE IS EXCESSIVE PITTING OR CORROSION
3. IT IS BENT, TWISTED, DISTORTED, STRETCHED, ELONGATED, CRACKED, OR BROKEN
4. THERE ARE EXCESSIVE NICKS OR GOUGES
5. THERE IS EXCESSIVE THREAD DAMAGE OR WEAR
6. THERE ARE OTHER CONDITIONS, INCLUDING VISIBLE DAMAGE, THAT CAUSE DOUBT AS TO CONTINUE USE.

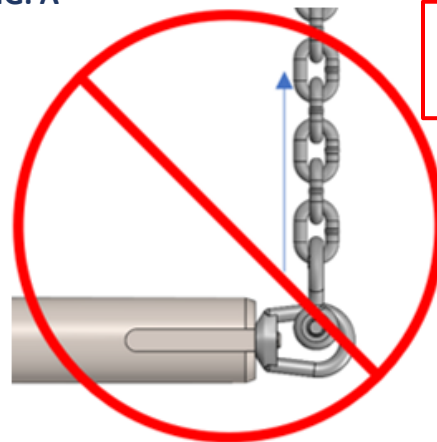

ENVIRONMENT CONSIDERATIONS:

- THE STRENGTH OF THE LIFTING EYES CAN BE AFFECTED BY CHEMICALLY ACTIVE ENVIRONMENTS SUCH AS CAUSTIC OR ACID SUBSTANCES OR FUMES.
- RATED CAPACITIES THROUGHOUT THIS DOCUMENT ASSUME A WORKING TEMPERATURE RANGE BETWEEN 30° AND 140°F (-1° AND 60°C), ANY USE OUTSIDE OF THIS RANGE MAY NOT PROVIDE THE SAME PERFORMANCE AS INTENDED.


GENERAL PROPER LIFTING PRACTICES:

- ENSURE THE LOAD IS SECURED WELL AND PROPERLY BALANCED BEFORE IT IS LIFTED MORE THAN A FEW INCHES.
- ENSURE THE RATED CAPACITY OF COMPLIMENTING LIFTING COMPONENTS (CHAINS, SHACKLES, PULLEYS, HOOKS, ETC.) MEET THE NECESSARY REQUIREMENTS FOR THE LIFT.
- PERSONNEL SHOULD BE PROPERLY TRAINED AND QUALIFIED BEFORE PERFORMING A LIFT
- ALWAYS BE SURE THE THREADS ON THE LIFTING EYE AND IN THE SHAFT ARE CLEAN AND FREE OF DEBRIS.
- ENSURE THE LIFTING EYE IS FULLY THREADED INTO THE SHAFT AND WON'T EASILY LOOSEN DURING LIFTING
- TAKE PRECAUTIONS TO AVOID DAMAGING THE GEARBOX'S BORE AND THE MIXER SHAFT. AVOID GALLING, BURRS, ETC.

 LIFT IN THE PLANE
 OF THE LIFTING EYE

FIG. A

 DO NOT USE THE
 LIFTING EYE TO
 LIFT AT AN ANGLE

CAUTION

 DISCONNECT MIXER FROM
 POWER SOURCE BEFORE
 ASSEMBLING, LIFTING,
 MOVING, OR SERVICING MIXER.

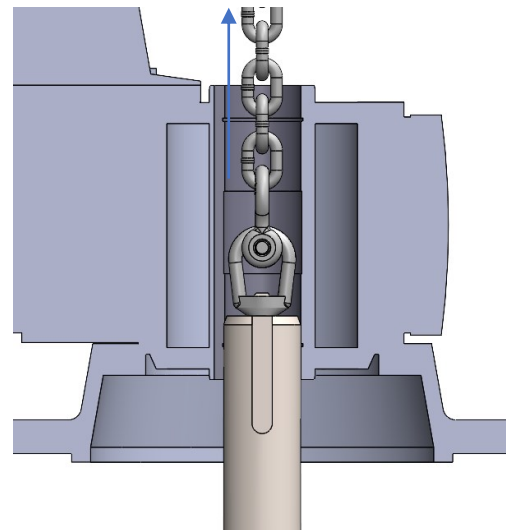
- DO NOT EXCEED THE WORKING LOAD LIMIT OF THE LIFTING EYE, SEE **TABLE 1**. FACTORS THAT INFLUENCE THE WORKING LOAD LIMIT INCLUDE BUT ARE NOT LIMITED TO: SHAFT WEIGHT, HUB WEIGHT(S), BLADE WEIGHT(S), IMPELLER WEIGHT(S), ETC.
- LIFTING EYES SUPPLIED BY FUSION ARE DESIGNED TO FIT THROUGH THE GEARBOX'S BORE (SEE **FIG. B**). USE OF A DIFFERENT LIFTING EYE DOESN'T GUARANTEE THAT IT WILL FIT THROUGH THE GEARBOX'S BORE.
- FIG. C** SHOWS THE POSSIBLE LIFTING EYES THAT CAME WITH YOUR MIXER. THE 1/4", 5/16", 3/8" LIFTING EYES ARE NOT SHOULDERED AND THE 3/4", 7/8", AND 1" LIFTING EYES ARE SHOULDERED. NOTE THAT THE LIFTING EYES ARE MARKED WITH WHAT SIZE THEY ARE (SHOWN IN RED FOR EMPHASIS IN THE FIGURE).

TABLE 1

Working Load Limit (lbs)	Lifting Eye Size
520	1/4"
1250	5/16"
2250	3/8"
7200	3/4"
10,600	7/8"
13,300	1"

WORKING LOAD LIMIT CONSIDERATIONS:

- SHAFT WEIGHT
- HUB WEIGHT
- BLADE WEIGHT
- IMPELLER WEIGHT

FIG. B

FIG. C

CAUTION

DISCONNECT MIXER FROM POWER SOURCE BEFORE ASSEMBLING, LIFTING, MOVING, OR SERVICING MIXER.