

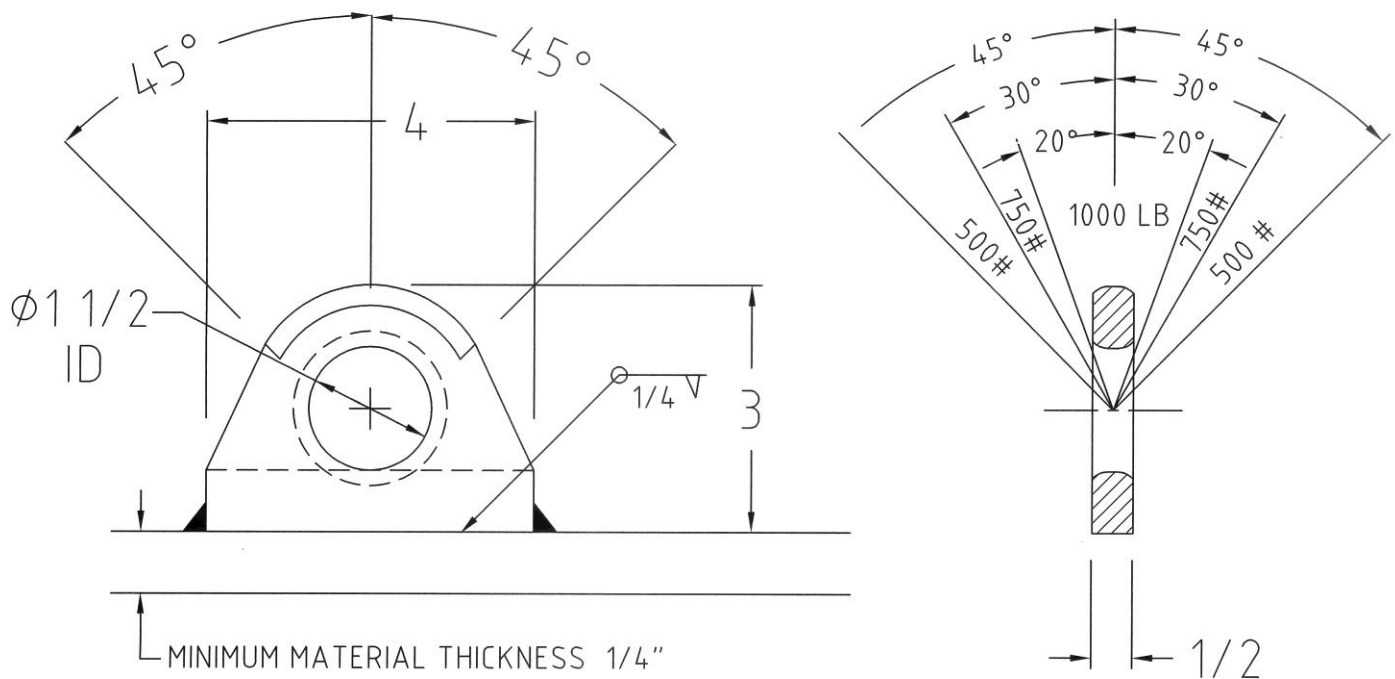
Winsafe Corp. – Weld on Lifting Lug

1/2 Ton Lug – Instructions for Use

Load Rating: The 1/2 Ton Lifting Lugs are rated to carry an applied load of 1000 lbs. when the load is applied within the load range shown below. Allowable loading reduces to 750 lbs. if the load is applied at more than 20 degrees but less than 30 degrees offset to the side. When the load application is at more than 30 degrees but less than 45 degrees side offset, the rating is reduced to 500 lbs. Do not apply loading at offset angles exceeding 45 degrees. The strength and rigidity of the structure being lifted must also be adequate to withstand the applied loading. Localized reinforcement of gusseting may be required.

Identification: 1/2 Ton Lifting Lugs are color coded yellow and have the rated capacity stamped into the metal.

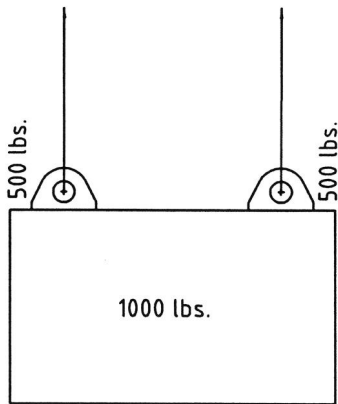
1000 LB LOAD RANGE



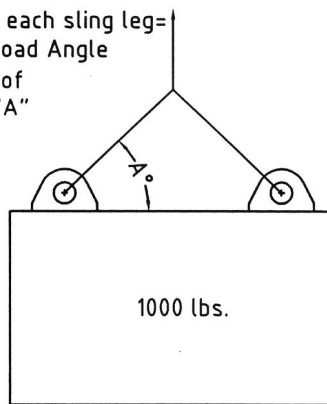
Welding: The lifting lugs have been fabricated from A36 steel and are intended for welding to similar weldable steels. Welders must be qualified and shall follow appropriate procedures in accordance with American Welding Society codes and standards. In order to develop the full load rating, the material that the lug is being welded to must have a minimum thickness of $\frac{1}{4}$ of an inch. Weld surfaces shall be prepared by grinding or other appropriate means. All loose or thick scale, rust, moisture, grease, or other foreign material that would prevent proper welding shall be removed.

See other side of this sheet for additional instructions.

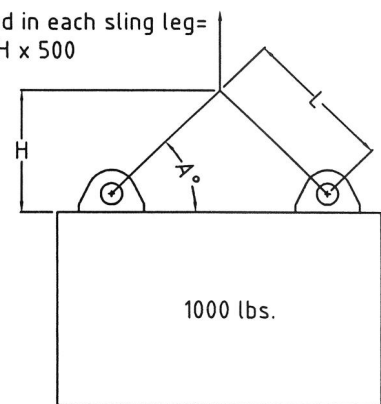
Load Increase Resulting From Sling Angles



Load in each sling leg=
 $500 \times \text{Load Angle}$
 Factor of
 Angle "A"



Load in each sling leg=
 $L/H \times 500$



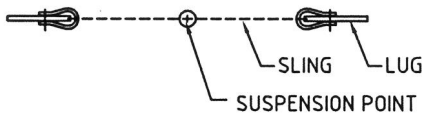
Sling Angle Degrees (A°)	Load Angle Factor=L/H
90	1.000
60	1.155
50	1.305
45	1.414

LOAD FROM EACH LEG OF SLING=
 $(\text{LOAD} \div 2) \times \text{LOAD ANGLE FACTOR}$

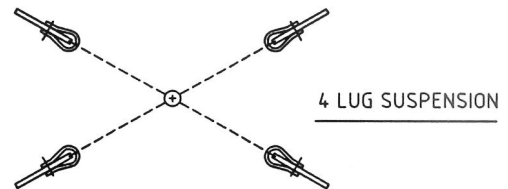
SELECT LIFTING LUGS
 BASED ON RESULTING LOAD

Always use properly sized shackles so that the loading aligns properly with the lifting lug eye.

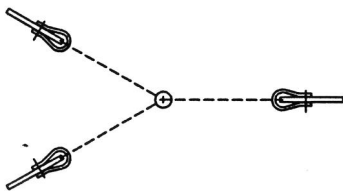
When more than one lug is used to suspend a load the lugs should be oriented so that the load is applied in line with the lug as shown in illustrations below:



2 LUG SUSPENSION

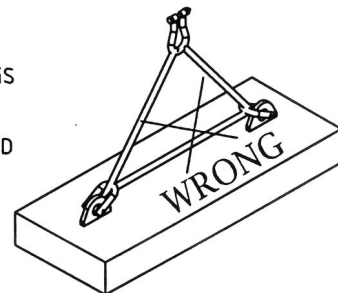


4 LUG SUSPENSION



3 LUG SUSPENSION

DO NOT REEVE SLINGS FROM ONE LUG TO ANOTHER. THIS WILL ALTER THE LOAD AND ANGLE OF LOADING ON THE HOIST RING.



General Cautions and Warnings

- Winsafe Corp. Lifting Lugs are sold with the express understanding that the purchaser is thoroughly familiar with the safe and proper use and application of the product.
- Responsibility for the use and application of the products rests with the user.
- Knowledge of materials and weld procedures are necessary for proper welding.
- Failure of the product can occur due to misapplication or abuse. Product failure could allow the load to become out of control, resulting in property damage, personal injury or death.
- Load ratings indicate the greatest force or load a lug is intended to carry under usual conditions. Shock loading and other conditions must be considered when selecting Lugs.
- The load rating of the Lifting Lug may be affected by wear, misuse, overloading, corrosion, deformation, intentional alteration, and other use conditions. Regular inspection must be conducted to determine whether use can be continued.