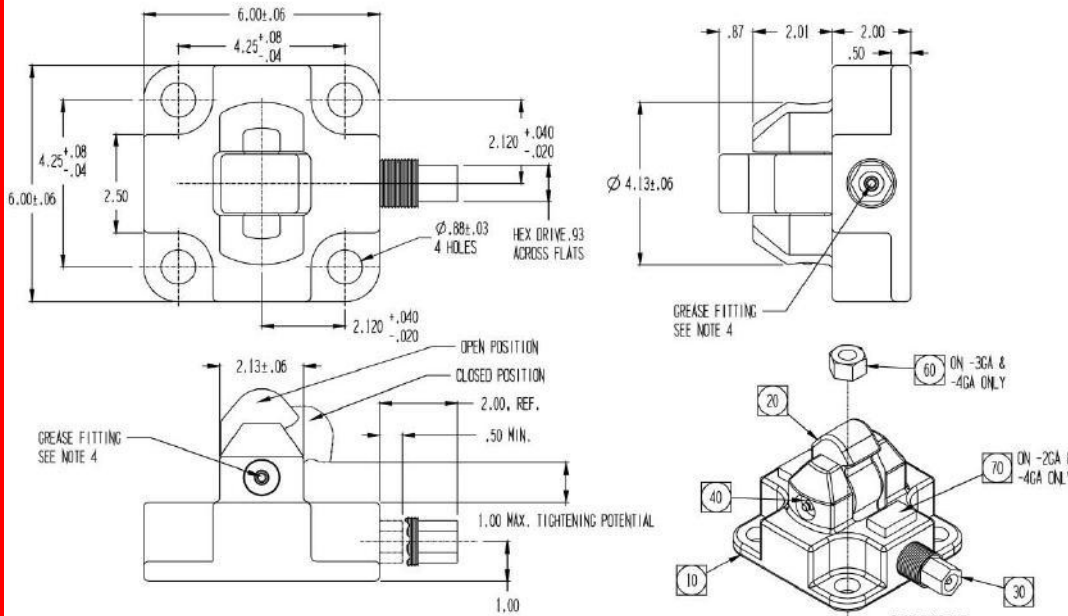


VI-SO VERTICAL CLAMP CONNECTOR (K08A00A)

Cage Code: 65059 | Drawing No: SK08A00A | Revision: N | Sheet: 1 of 2

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES



PART NUMBER NOTES:

- 1GA GALVANIZED CLAMP
- 2GA GALVANIZED CLAMP
W/ RUBBER PADS
- 3GA GALVANIZED CLAMP
W/ MOUNTING HARDWARE
- 4GA GALVANIZED CLAMP
W/ RUBBER PADS &
MOUNTING HARDWARE

PIECE NO.	QUANTITY	DESCRIPTION
10	1	BODY, MACHINED AND GALVANIZED
20	1	CLAMP ARM, GALVANIZED
30	1	DRIVE STUD, ZINC PLATED
40	1	HINDE PIN, ZINC PLATED
50	4	SCREW, MOUNTING, ZINC PLATED
60	4	NUT, MOUNTING, ZINC PLATED
70	2	PAD, RUBBER

WEIGHT: 17 LB.

NOTES:

1. THE GRIP AND FORCE EXERTED BY THE CLAMP ARM (PIECE 20) IS VARIABLE BY ROTATING THE DRIVE STUD (PIECE 30). MAX LOAD ON THE HEX DRIVE IS 50 FT/LB MAKING APROX. 2,000 LB. OF CLAMP FORCE.
2. MINIMUM FAILURE LOAD FOR ONE VI-SO
 - 120,000 LB. TRANSVERSE SHEAR
 - 65,000 LB. LONGITUDINAL SHEAR
 - 460,000 LB. COMPRESSION
 - 65,000 LB. TENSION (CORNER FITTING LIMIT)
 MINIMUM YIELD LOAD
 - 44,000 LB. RESTRAINT AGAINST UPWARD FORCE
 - 75,000 LB. TRANSVERSE SHEAR
 - 50,000 LB. LONGITUDINAL SHEAR
 - 280,000 LB. COMPRESSION
3. IF USING AS A LIFTING PRODUCT, PROOF TESTING IS REQUIRED, MUST BE USED IN PAIRS AND RIGIDLY HELD
 - WLL 15,000 LB. DESIGN CATEGORY A
 - WLL 10,000 LB. DESIGN CATEGORY B
4. TWO GREASE FITTINGS ALLOW FOR EASY LUBRICATION RECOMMENDED GREASE: RED LITHIUM HIGH TEMPERATURE
5. DIMENSIONS WITHOUT TOLERANCE ARE SUBJECT TO MANUFACTURING TOLERANCES

To avoid lifter failure, potential death and property damage, never exceed WLL (Working Load Limit).

This document contains the proprietary information of Tandemloc, Inc. and your access and use shall be, and is at all times, pursuant to and limited by the Tandemloc, Inc. Terms of Use.

You shall not, and shall not encourage, assist, or authorize another party to copy, distribute, publicly display, modify, reverse engineer, decompile, or take any other action to reproduce this document or the information contained herein. © Copyright 2014 by Tandemloc, Inc.

Dimensions are subject to manufacturing tolerance and change.



Email: info@tandemloc.com • www.tandemloc.com

824 Highway 101 • Havelock, NC 28532

Tel: 1.800.258.7324 (252.447.7155)

FAX 1.800.892.3273 (252.447.5502)

Tandemloc, Inc. designs, manufactures and tests lifting, securing and mobilizing components for all industries. See our website for details and important safety information.

Read all safety labels and instructions prior to use. Product to be used by qualified personnel only.

VI-SO VERTICAL CLAMP CONNECTOR (K08A00A)

Cage Code: 65059 | Drawing No: SK08A00A | Revision: N | Sheet: 2 of 2

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES

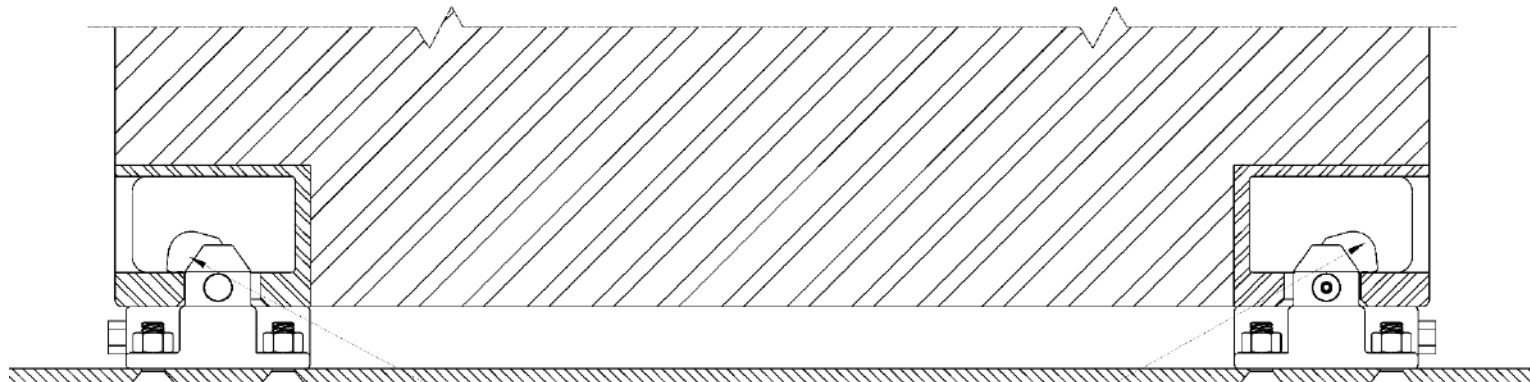
USE INFORMATION:

A. USE - FOR A SLACK-FREE, CLAMP-DOWN CONNECTION OF EACH CORNER OF AN ISO 668 TYPE CONTAINER TO A DECK OR OTHER STRUCTURE, LOWER THE CONTAINER SO THAT THE OPEN CONNECTOR ENTERS THE LARGE BOTTOM APERTURE OF EACH ISO 1161 STANDARD CORNER FITTING. THE CLAMP ARM BEARS DOWN ON THE INSIDE OF THE BOTTOM WALL WHEN THE DRIVE STUD IS SCREWED IN.

B. USE CAP SCREWS AND LOCK NUTS TO ASSEMBLE THE CONNECTOR TO A SUITABLE RECEIVING STRUCTURE. LOCATE CONNECTORS PER "MALE FITTING INSTRUCTIONS" ON TANDEMLOC DATA SHEET DF-72047-16 (SHEET 2) FOR STANDARD SIZED STRUCTURES. FOR NON-STANDARD SIZES USE THE PRINCIPLES IMPLIED ON THIS SHEET TO DETERMINE YOUR LOCATION. WE WOULD RECOMMEND TORQUE TO BE IN THE RANGE OF 200 FT/LB., AND THAT BLUE OR RED LOCTITE BE APPLIED TO THE THREADS TO AVOID VIBRATION LOOSENING. IF THIS INSTALLATION IS ON BOARD A SHIP, WE RECOMMEND TIGHTENING TO THE HIGH END OF THE RANGE. FOR LAND BASED INSTALLATIONS, THE LOW END.

C. THE VI-SO IS TO BE BOLTED TO THE DESIRED STRUCTURE USING FOUR 3/4" SAE GRADE 8 STEEL CAP SCREWS. SPECIAL FLAT HEAD CAP SCREWS AND LOCKNUTS ARE AVAILABLE WITH HEX SOCKET AND SLOTTED END. THIS PERMITS THE CAP SCREW TO BE HELD FROM THE THREADED END WHILE TURNING THE LOCK NUT (USEFUL WHEN THE HEAD END IS NOT ACCESSABLE)

D. TO SECURE AN ISO CONTAINER OR SIMILAR STRUCTURE FIRST OPEN THE CONNECTOR FULLY BY TURNING THE DRIVE STUD COUNTERCLOCKWISE UNTIL IT IS WITHIN (SHEET 1) DIMENSION. LOWER CONTAINER SO THAT THE UPWARD PROJECTING PORTIONS OF THE CONNECTOR ENTER THE LARGE APERTURES IN THE BASES OF THE CORNER FITTINGS. TURN THE DRIVE STUD CLOCKWISE TO SECURE. 50 FT/LB. OF TORQUE IN THE DRIVE STUD WHEN METAL TO METAL CONTACT IS ACHIEVED IS RECOMMENDED. EXCESSIVE TORQUE PRE-LOADS THE CLAMP ARM, RESULTING IN A REDUCTION OF ITS MAXIMUM STRENGTH.



AT LEAST TWO OPPOSING VERTICAL CLAMPS ARE REQUIRED TO SECURE

To avoid lifter failure, potential death and property damage, never exceed WLL (Working Load Limit).

This document contains the proprietary information of Tandemloc, Inc. and your access and use shall be, and is at all times, pursuant to and limited by the Tandemloc, Inc. Terms of Use.

You shall not, and shall not encourage, assist, or authorize another party to copy, distribute, publicly display, modify, reverse engineer, decompile, or take any other action to reproduce this document or the information contained herein. © Copyright 2014 by Tandemloc, Inc.

Dimensions are subject to manufacturing tolerance and change.



Email: info@tandemloc.com • www.tandemloc.com

824 Highway 101 • Havelock, NC 28532

Tel: 1.800.258.7324 (252.447.7155)

FAX 1.800.892.3273 (252.447.5502)

Tandemloc, Inc. designs, manufactures and tests lifting, securing and mobilizing components for all industries. See our website for details and important safety information.

Read all safety labels and instructions prior to use. Product to be used by qualified personnel only.