

## LOAD CELL MOUNT MODEL NUMBERS

CAPACITY LBS [MT]	APPLICABLE LOAD SENSORS [LOAD SENSOR NOT INCLUDED]	MOUNT MODEL NUMBER PLATED ALLOY STEEL	MOUNT MODEL NUMBER STAINLESS STEEL	MAXIMUM LIFT-OFF FORCE	MAXIMUM CHECK LINK SIDE FORCE
66KLB [30MT]	HIRCH03-66K	HIRDCM-AS-66KLB	HIRDCM-SS-66KLB	22.48KLB [100KN]	11.24KLB [50KN]
88KLB [40.0MT]	HIRCH03-88K	HIRDCM-AS-88KLB	HIRDCM-SS-88KLB		

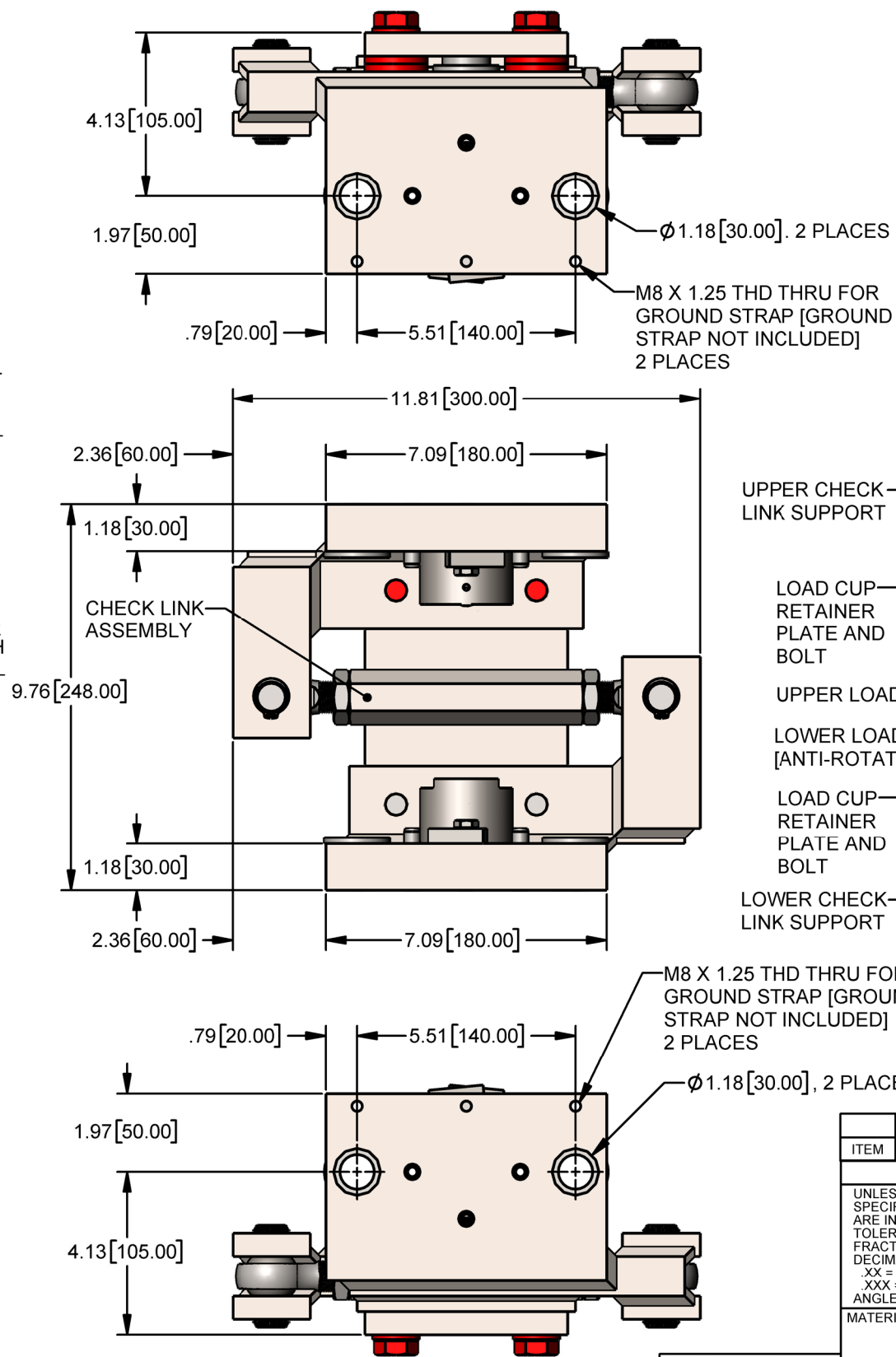
REV.	ECO/DDC	DESCRIPTION	DATE	DRAFT	CHECK	APVD
A	---	RELEASED.	09-12-23	V.J.C.	J.M.	V.J.C.

### NOTES: UNLESS OTHERWISE SPECIFIED

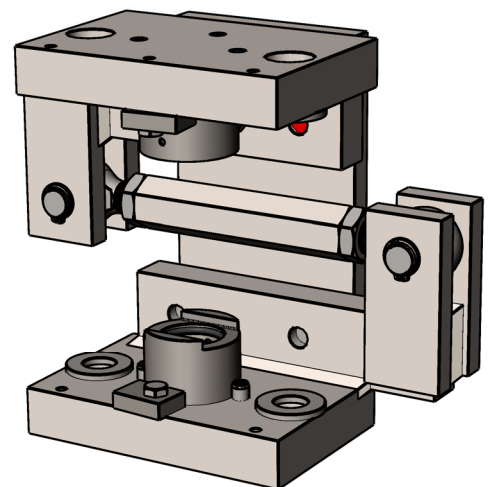
1. SEE HARDY PROCESS SOLUTIONS WEB SITE FOR ADDITIONAL INFORMATION.
2. THIS DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE.
3. WELDING THE LOAD CELL MOUNTING HARDWARE TO THE LOAD CARRIER AND FOUNDATION IS THE RECOMMENDED INSTALLATION METHOD. THIS ELIMINATES ANY MOUNTING HOLE ALIGNMENT ISSUES BETWEEN THE LOAD CARRIER AND FOUNDATION.
4. SEE DRAWING VIEWS FOR SUGGESTED WELD LOCATIONS AND SIZES.
5. **BOLT-ON LOAD CELL MOUNT INSTALLATION INSTRUCTIONS:**
  1. POSITION THE PREASSEMBLED LOAD CELL MOUNTS ON THE FOUNDATION PLATES OR EQUIVALENT.
  2. REMOVE THE LOAD CUP RETAINER PLATES AND BOLTS, AND THE UPPER AND LOWER LOAD CUPS.
  3. FASTEN THE LOAD CELL MOUNTS TO THE FOUNDATION USING TWO 3/4-10 UNC X 2.25IN LONG [M20 X 55MM LONG] MINIMUM, TYPE GRADE 8 BOLTS AND TWO FLAT WASHERS [SUPPLIED WITH MOUNT] CENTERED IN THE LARGE CLEARANCE HOLES, BUT DO NOT TORQUE. SUGGESTED MOUNTING BOLTS ARE NOT SUPPLIED
  4. LOWER THE LOAD CARRIER ONTO THE LOAD CELL MOUNTS AND CENTER THE CARRIER HOLES WITH THE LOAD CELL MOUNT HOLES. CHECK THAT ALL UPPER BOLTS CAN BE INSERTED. DUE TO THE LARGE BOLT CLEARANCE HOLES ON THE LOAD CELL MOUNTS, THE LOAD CARRIER CAN BE RELIFTED TO ALLOW SLIGHT REPOSITIONING OF THE LOAD CELL MOUNTS AS NECESSARY.
  5. TORQUE ALL LOAD CARRIER BOLTS TO 295 LB-FT [400 NM].
  6. INSTALL THE UPPER AND LOWER LOAD CUPS ONTO THE END PINS OF THE LOAD SENSOR.
  7. SUPPORT THE LOAD CARRIER WITH A JACK, THEN REMOVE THE UPPER CHECK LINK SUPPORT RETENTION HARDWARE COMPONENTS ON EACH LOAD CELL MOUNT [2 BOLTS AND 6 WASHERS]. PARTS TO BE REMOVED ARE INDICATED IN RED.
  8. AT EACH LOAD CELL MOUNT POSITION, SUFFICIENTLY LIFT THE LOAD CARRIER WITH A JACK TO ALLOW INSERTION OF THE LOAD SENSOR ASSEMBLY.
  9. TAKING NOTE THAT THE LOWER ANTI-ROTATION LOAD CUP IS KEYED AND MUST BE INSTALLED ON THE LOWER CHECK LINK SUPPORT SIDE, SLIDE THE ASSEMBLED LOAD SENSOR INTO THE MOUNT.
  10. INSTALL THE TWO LOAD CUP RETAINER PLATE AND BOLT SETS BUT DO NOT FULLY TIGHTEN THE PLATE SET FOR THE UPPER LOAD CUP.
  11. LOWER THE LOAD CARRIER AND REMOVE THE JACK. THEN, FULLY TIGHTEN THE PLATE SET FOR THE UPPER LOAD CUP.

**NOTE A:**  
IN THE EVENT THE UPPER AND LOWER LOAD CELL MOUNTING BOLT HOLE PATTERNS ARE MISALIGNED TO THE POINT WHERE IT IS IMPOSSIBLE TO PROPERLY INSERT ALL OF THE MOUNTING BOLTS INTO THEIR HOLES, IT IS RECOMMENDED THAT THE LOAD CARRIER SIDE OF THE LOAD CELL MOUNT BE BOLTED AND THAT THE FOUNDATION SIDE OF THE LOAD CELL MOUNT BE WELDED. AFTER WELDING, PROPERLY CLEAN ALL WELDS. APPLY AN ANTI-CORROSION COATING TO THE WELDS AS NECESSARY.

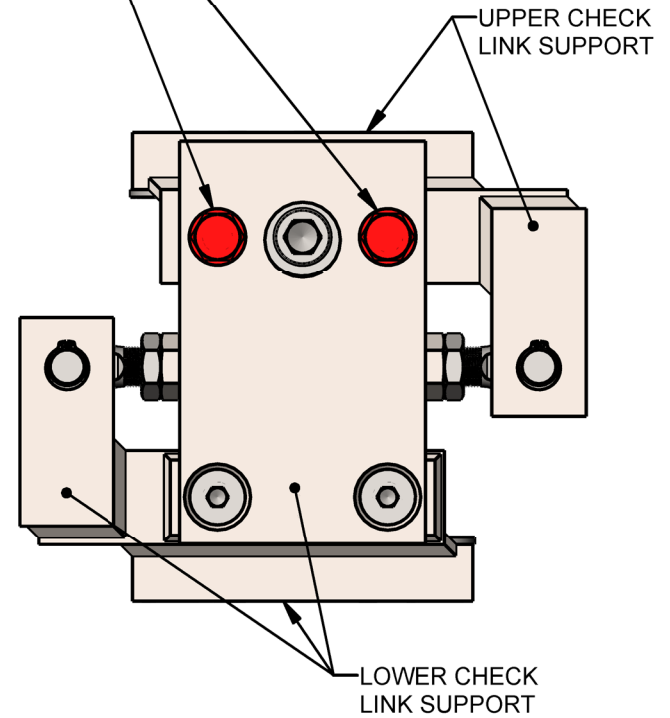
**NOTE B:**  
FOR OPTIMUM PERFORMANCE, THE STATIC FORCES IN THE CHECK LINKS CAUSED BY NON-HORIZONTAL TANK FEET AND/OR NON-HORIZONTAL FOUNDATION PLATES CAN BE REDUCED BY ADJUSTING THE CHECK LINK TURNBUCKLE TENSIONS SO THAT THE CHECK LINK DOES NOT RESTRICT OVERALL VERTICAL MOVEMENT.



HIRCDM LOAD CELL MOUNT SHOWN IN SHIPPING STATE

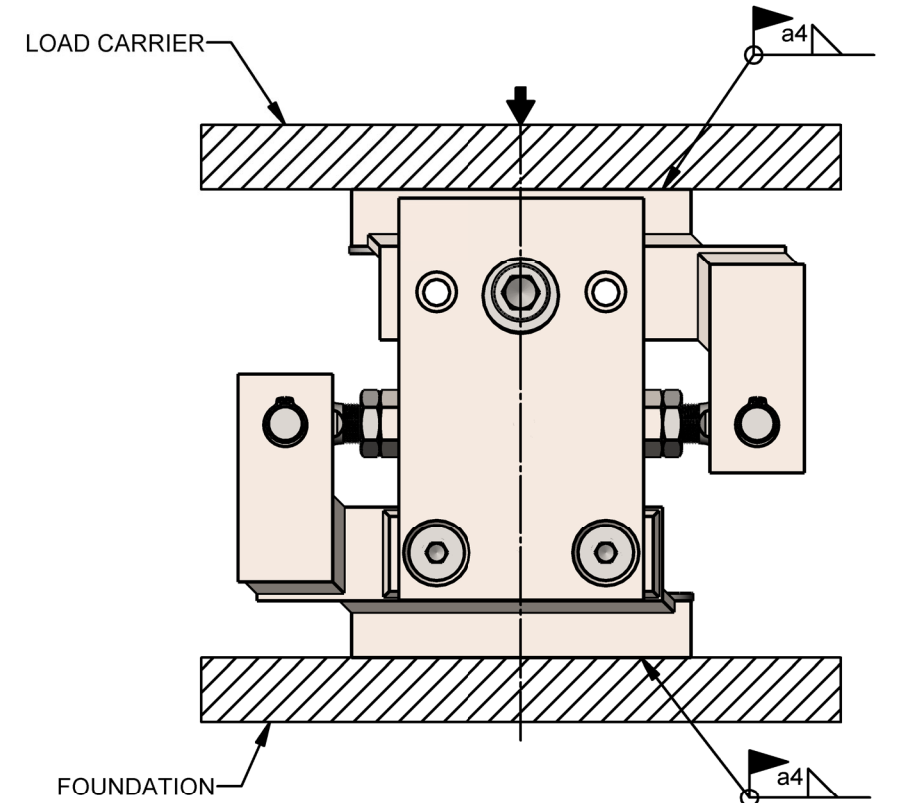
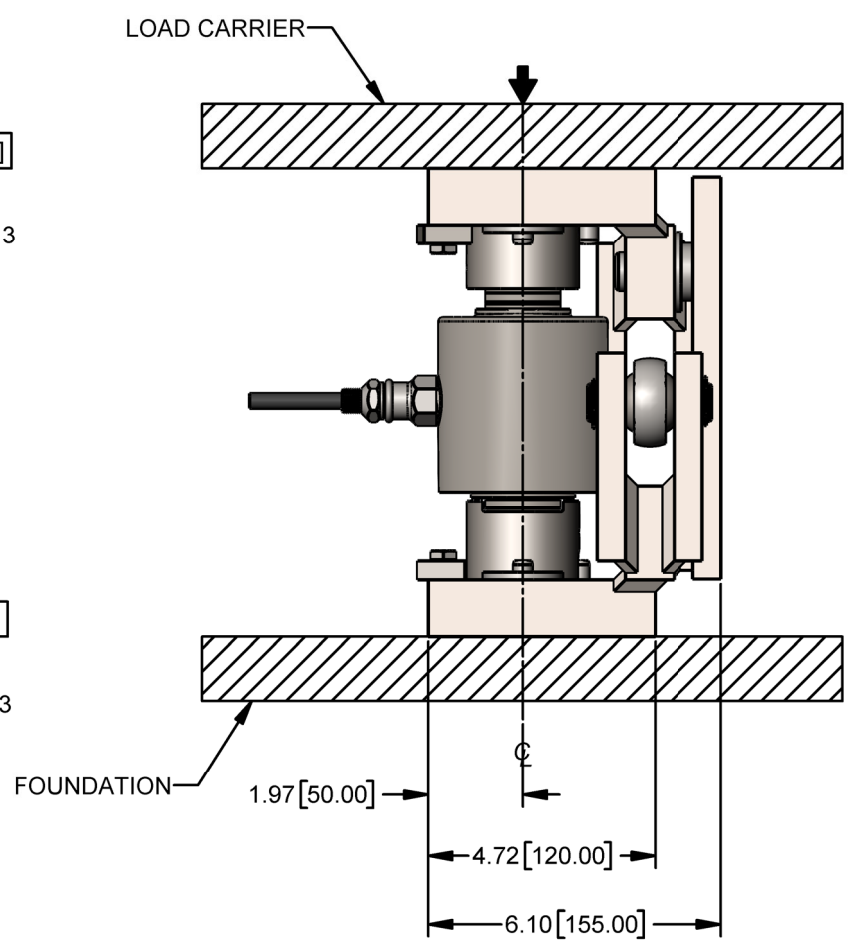
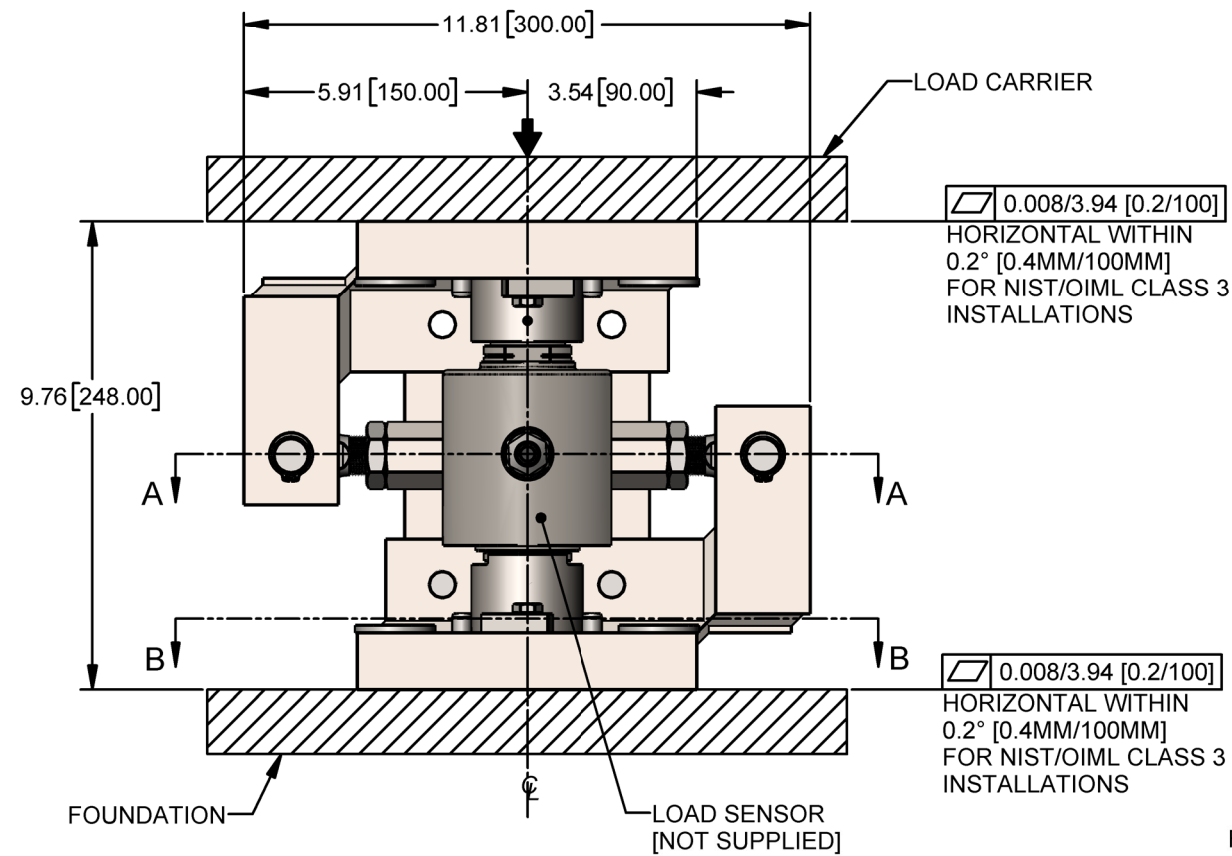
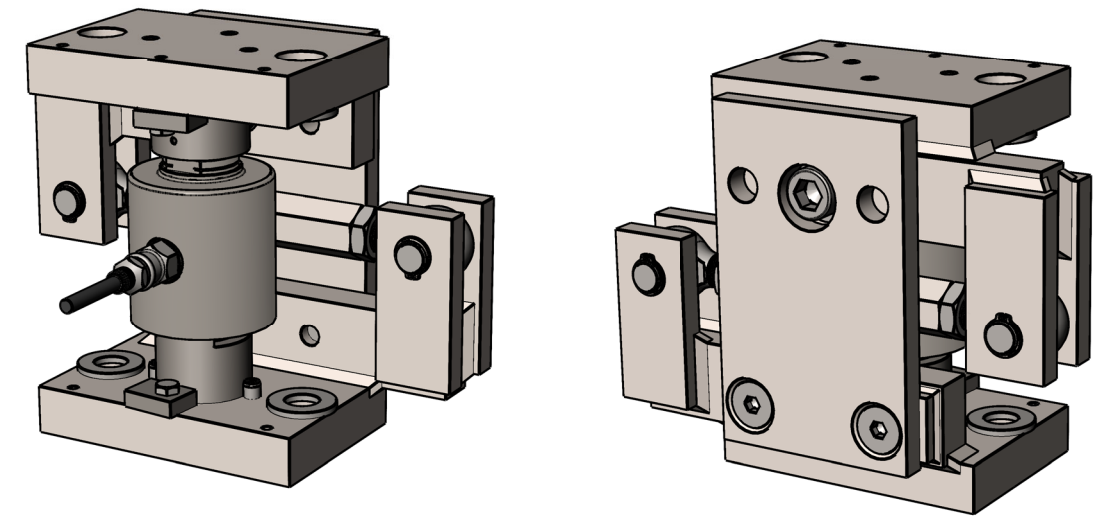
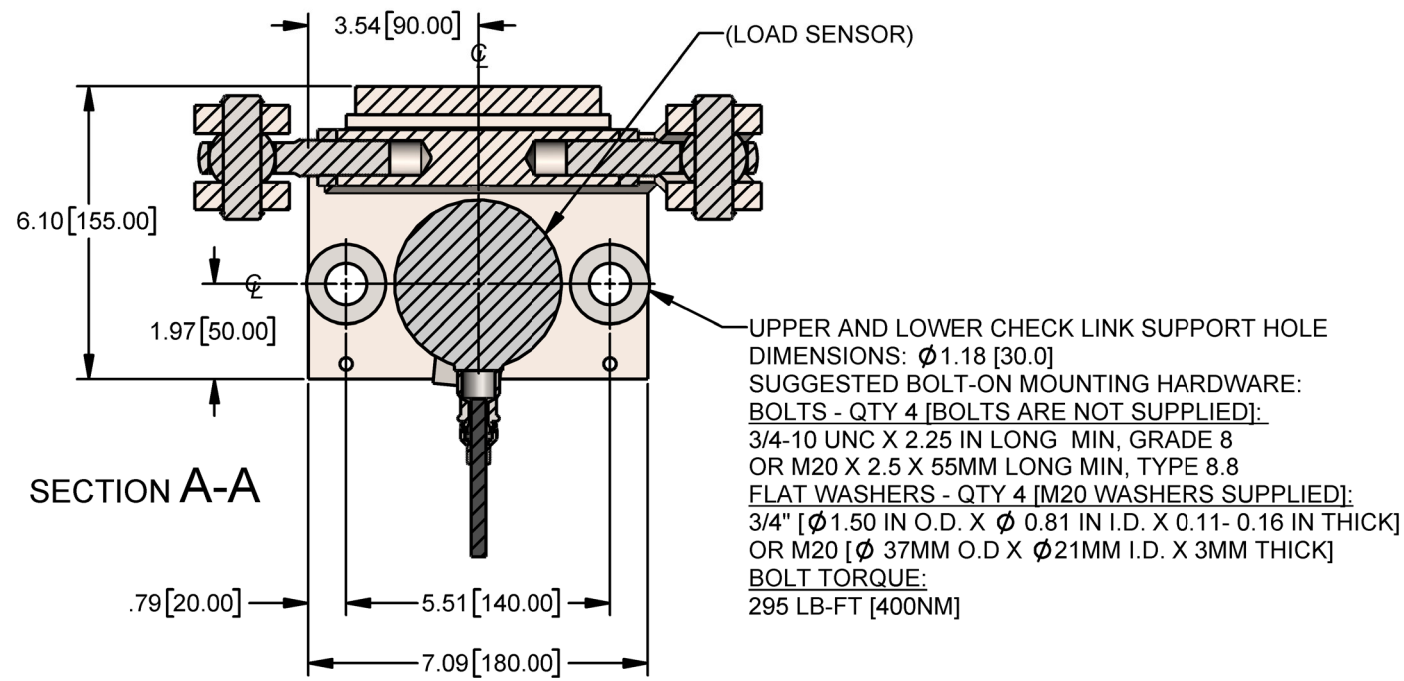


UPPER CHECK LINK SUPPORT RETENTION HARDWARE [INDICATED IN RED] TO BE REMOVED AFTER INSTALLATION [2 BOLTS AND 6 WASHERS]

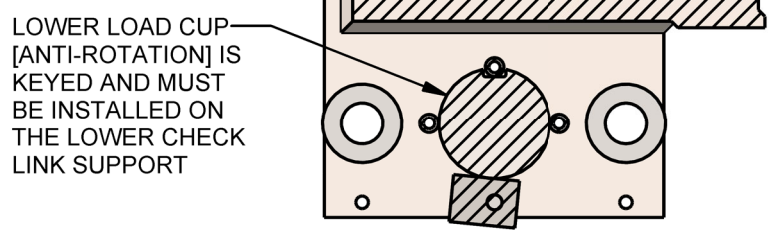


ITEM	QTY	PART NUMBER	DESCRIPTION	COMMENTS	
0588-0224 OUTLINE DRAWING, LOAD CELL MOUNT, HIRCDM SERIES, 66KLB-88KLB CAPACITY					
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM] TOLERANCES ARE:		CONTRACT NO.			
FRACTIONS: N/A		APPROVALS			
DECIMALS:		DRAWN V. CHULA DATE 09-12-23			
.XX = ±0.03 [0.8]		CHECKED J. MOEN DATE 09-12-23			
.XXX = ±0.010 [0.25]		APPROVED V. CHULA DATE 09-12-23			
ANGLES ±0°. 30°		ISSUED V. CHULA DATE 09-12-23			
MATERIAL		PRODUCTION DATE			
FINISH		DO NOT SCALE DRAWING			
<b>HARDY</b> PROCESS SOLUTIONS		TITLE <b>OUTLINE DRAWING, LOAD CELL MOUNT, HIRCDM SERIES, 66KLB-88KLB CAPACITY</b>			
		SIZE	FSCM	DRAWING NO.	REV.
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		FILE NAME: 0588-0224A1.SLDDRW		SCALE: NONE	SHEET 1 OF 2

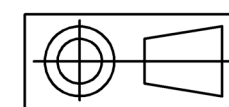
HIRCDM LOAD CELL MOUNT- SHOWN IN INSTALLATION STATE



OPTIONAL WELD LOCATIONS SHOWN  
 APPLIED TO ALL 4 EDGES ON LOAD  
 CARRIER SIDE AND FOUNDATION



↓ CENTER POINT - THE CENTER POINT OF THE UPPER LOAD CUP SHOULD BE CENTERED ON THE LOAD CARRIER PLATE



<b>HARDY</b> PROCESS SOLUTIONS			
TITLE OUTLINE DRAWING, LOAD CELL MOUNT, HIRCDM SERIES, 66KLB-88KLB CAPACITY			
SIZE	FSCM	DRAWING NO.	REV.
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FILE NAME: 0588-0224A1.SLDDRW		SCALE: NONE	SHEET 2 OF 2