

- 1.0 GENERAL NOTES
- 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS [X. X]
- 1.2 FOR PATENT INFO: <https://www.adwpat.com>
- 2.0 DESIGN NOTES
- 2.1 ANY HAZARDS OR OBSTRUCTIONS TO THE CLIMBING FACILITY AND SAFETY CLIMB MUST BE IDENTIFIED PRIOR TO INSTALLING THE APPURTENANCE. ADDITIONAL PRODUCTS MAY BE REQUIRED TO MAINTAIN THE INTEGRITY OF THE SAFETY CLIMB. DURING INSTALLATION, TEMPORARY AND/OR PERMANENT PRECAUTIONARY MEASURES SHOULD BE TAKEN TO PRESERVE THE CLIMBING FACILITY AND/OR SAFETY CLIMB.
- 2.2 UP TO 2.0° TAPER AVAILABLE ON MODELS THAT SUPPORT ADJUSTMENT
- 3.0 MANUFACTURING/SPECIAL REQUIREMENTS
- 3.1 TIGHTEN ALL BOLTS SECURING FLAT PLATES BY THE TURN-OF-NUT METHOD. TIGHTEN ALL U-BOLTS USING TURN-OF-NUT METHOD WITH ATTENTION TO LEAVE EQUAL DISTANCE AND EQUAL FORCE ON EACH LEG OF THE U-BOLT. ALL FASTENERS SHOULD BE TIGHTENED PER AISC 6.5.2
- 4.0 TEST
- 5.0 PACKAGING
- 5.1 PACKAGING SHALL MEET ANDREW REQUIREMENTS PER DOCUMENT IS-PL-3005
- 5.2 PRINTED DOCUMENT TO BE PLACED INSIDE POLYBAG AND THEN IN SHIPPING CONTAINER
- 5.3 EXTRA HARDWARE MAY BE SUPPLIED, BAGGED AND SHIPPED

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	LS1146 16MAY23	YW1047 40171101CMO
B	UPDATED VIEWS FOR SFG2387-00 (ITEM 1) CHANGES	JL1183 10NOV23	YW1045 40182854CMO
C	BOTTOM SFG2397-00 WAS SFG2387-00; GUB-4355 QTY WAS 4	YMENG 26MAR24	YW1047 40192151CMO
D	REDESIGNED COMPONENTS	AG1119 19NOV24	RW1043 40205690CMO
E	SH 2 BOM: ITEM 1 WAS -BR	AG1119 20NOV24	RW1043 40205690CMO

SFG23HDX-10-3-126 SHOWN FOR REFERENCE
SOLD SEPARATELY

SM-UMPTB MONOPOLE TAPER ADJUSTMENT KIT SHOWN INSTALLED
SEE SHEET 2 FOR DETAILS

SECTOR FRAME (SFG23HDX-10-3-126 SHOWN FOR REFERENCE)
SOLD SEPARATELY

RING MOUNT (MC-RM1550-3D)
SOLD SEPARATELY

SM-UMPTB-PACKAGE



TOLERANCES

1 PLACE .X[X] ± 0.2[6.3] 3 PLACE .XXX[X] ± 0.060[1.5]

2 PLACE .XX[X] ± 0.12[3.0] ANGLES ± 2°

SAP MATERIAL MASTER

SM-UMPTB

FINISH

MATERIAL

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
INTERPRET PER ANSI Y 14.5M-1994

	NAME	DATE	TITLE
CE	LS1146	16MAY23	BRACKET, TAPER, MCGX SECTOR FRAMES
RW	LL1090	07/22/2025	
AD	NSUN	07/22/2025	
RE	NSUN	07/22/2025	
ECN 40205690CMO			

SCALE

1:18

DOCUMENT NO.

SM-UMPTB

DENSITY	MASS	1320.62	lbs/in³
			lbs
	VOLUME	13933.92	in³
	SURFACE AREA	73006.55	in²
HEIGHT	9.0"		
LENGTH	43.4"		
WIDTH	4.2"		

SIZE

Auth Group

INSL

MODEL

VERSION

STATUS

REVISION

DRAWING

VERSION

STATUS

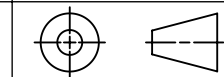
REVISION

SHEET

1 OF 2

Confidential

C



02

RE

C

04

RE

E

TAPER ADJUSTMENT COMPONENTS ONLY

RING MOUNT AND SECTOR FRAME NOT SHOWN FOR CLARITY

TAPER ADJUSTMENT PARTS ASSEMBLED
TO SECTOR FRAME AND RING MOUNT

SKIP STEPS 1 TO 3 IF TAPER ADJUSTERS ARE SUPPLIED
PARTIALLY PRE-ASSEMBLED

STEP 1:
INSTALL ITEM 2 ON ITEM 1
LOOSELY ASSEMBLE HARDWARE IN SLOTS
BOLT HEADS TO BE INSIDE
FLAT WASHERS BOLT AND NUT SIDES

INSTALL ON RING
MOUNT PER DETAIL A

ADJUST TAPER
ANGLE AS REQUIRED,
THEN TIGHTEN
BOLTS, 4 PL

STEP 3:
INSTALL FLAT WASHER IN GAP
IF SPACE PERMITS
RE-INSTALL HARDWARE
FINGER TIGHT

STEP 2:
LOOSEN NUT ON OPPOSITE SIDE
FINGER TIGHTEN NUT ON SIDE SHOWN
TO REMOVE GAP

32.6 [828.68]
ADJUST TO
ARM SPACING

RING MOUNT
SOLD SEPARATELY

SECTOR FRAME
SOLD SEPARATELY

RING MOUNT
SOLD SEPARATELY

INSTALL TAPER ADJUSTERS TO RING MOUNT
AND TIGHTEN HARDWARE

INSTALL SECTOR FRAME, HARDWARE & U-BOLTS AND
TIGHTEN

ADJUST TAPER ANGLE AS REQUIRED,
THEN TIGHTEN BOLTS, 4 PL

SECTOR FRAME
SOLD SEPARATELY

DETAIL A
TAPER ADJUSTMENT BRACKET INSTALLED
SCALE 1 : 5

COMPONENT PART NUMBERS PROVIDED FOR ASSEMBLY PURPOSES;
INDIVIDUAL COMPONENTS MAY BE SHIPPED AS PARTS WITHIN AN INCLUDED KIT.

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT	NOTE NO.
1	SFG2397-0500-00	SUPPORT, AZ TAPER BRACKET	2	9.92 LBS	
2	SFG2389-00	TAPER ADJUSTMENT WELDMENT	2	13.37 LBS	
3	GUB-4355	1/2" X 3-5/8" X 5" GALV U-BOLT	2	0.71 LBS	
4	GB-05225	5/8" X 2-1/4" GALV BOLT KIT	14	0.28 LBS	
5	GWFF-05	5/8" GALV FLAT WASHER, 1.7OD	10	0.06 LBS	

ANDREW an Amphenol company

TITLE
BRACKET, TAPER, MCGX SECTOR FRAMES

SIZE	SCALE	DOCUMENT NO.	DRAWING			SHEET
C	1:16	SM-UMPTB	VERSION	STATUS	REVISION	2 OF 2
			04	RE	E	

Confidential