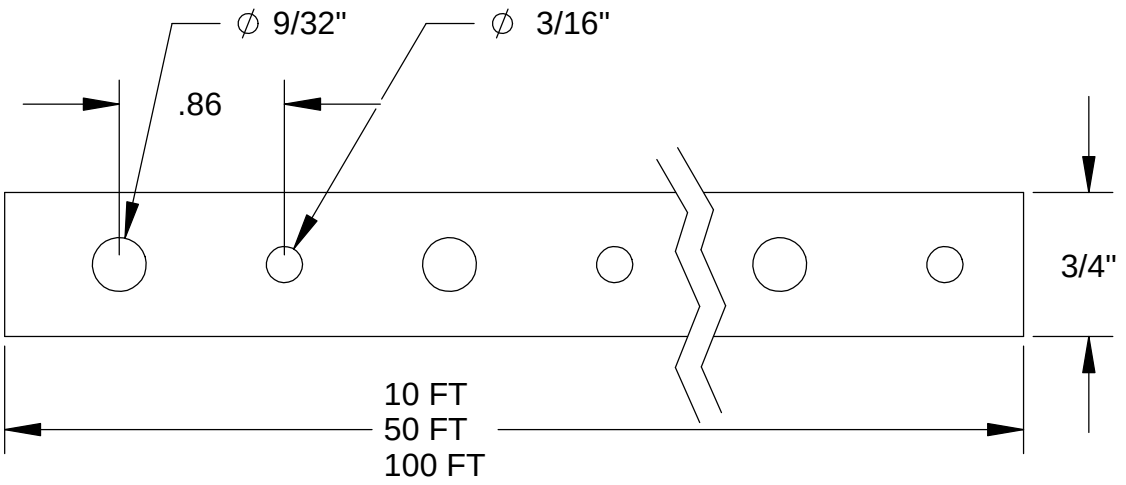
920 Levick Street Philadelphia, Pennsylvania,
19111 Phone: 215-535-4141 Fax:215-537-5161
Manufacturing Quality Products in Philadelphia for 70 Years

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



GAGE	MINIMUM THICKNESS	WIDTH	MAX STATIC WORKING LOAD-LBS
28	.011	.75	40
24	.021	.75	70
22	.028	.75	90
20	.033	.75	110

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL
GALVANIZED OR EQUAL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	3/12
CHECKED SB	

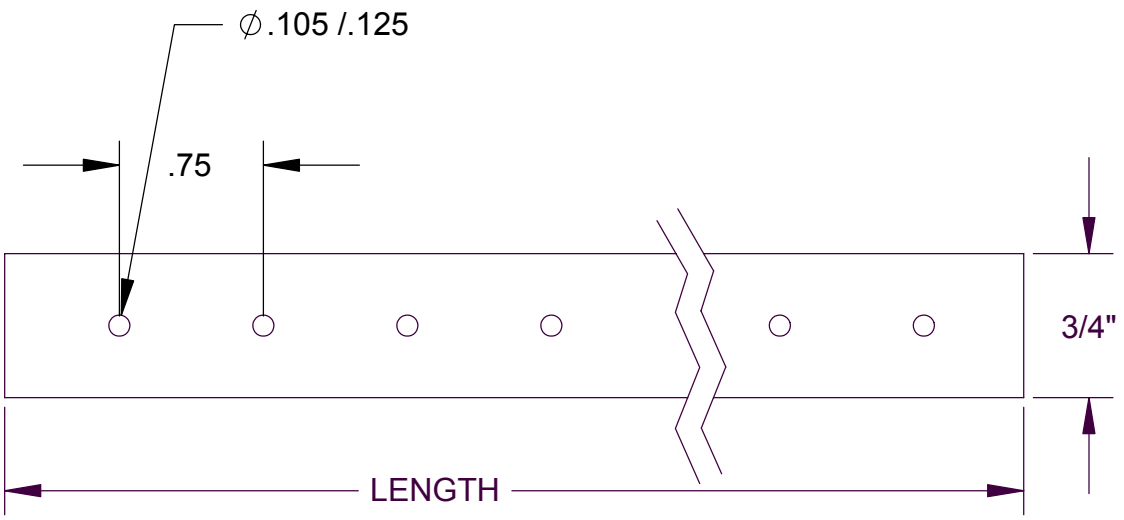
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

GALVANIZED DUCT TAPE

A FIG 101 REV.

SCALE CAD FILE: FIG 101 DUCT TAPE SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



THICKNESS 0.050 +/- .005

MATERIAL : Lt. Grey Virgin Polypropylene MONTEL #7523

RECOMMENDED WORKING LOAD 15 POUNDS PER STRAND

Made in USA

FIG #	LENGTH
102-10	10 FT.
102-25	25 FT.
102-50	50 FT.
102-100	100 FT.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
SEE NOTE

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	4/10
CHECKED SB	

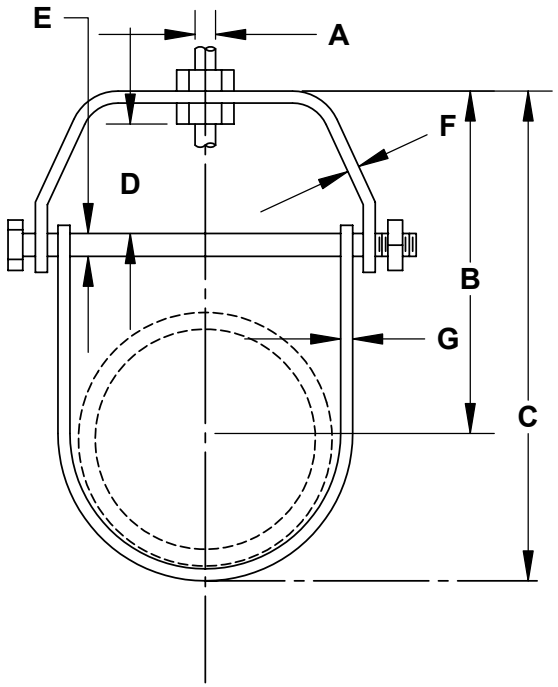
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

PLASTIC STRAPPING

A FIG 102 REV.

SCALE CAD FILE: FIC 102 PLASTIC STRAPPING SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



Size	A	B	C	D	E	F-Top (MIN THK)	G-Bottom (MIN THK)	MAX REC LOAD (LBS)
1/2"	3/8"	1.5	2.0	0.62	1/4"	18ga x.75 (.050)	18ga x.75 (.045)	150
3/4"	3/8"	1.8	2.3	0.62	1/4"	18ga x.75(.050)	18ga x.75 (.045)	200
1"	3/8"	2.2	2.8	0.88	1/4"	16ga x1.0 (.060)	18ga x1.0 (.045)	200
1.25"	3/8"	2.5	3.7	1.20	1/4"	16ga x1.0 (.060)	16ga x1.0 (.055)	200
1.5"	3/8"	2.8	4.0	1.20	1/4"	16ga x1.0 (.060)	16ga x1.0 (.055)	200
2"	3/8"	2.8	4.5	1.20	1/4"	14ga x1.0 (.070)	16ga x1.0 (.060)	250
2.5"	3/8"	3.8	6.0	2.00	1/4"	12ga x1.0 (.100)	14ga x1.0 (.067)	300
3"	3/8"	4.0	6.5	2.00	1/4"	12ga x1.0 (.100)	14ga x1.0 (.067)	300
4"	3/8"	4.7	7.0	2.00	5/16"	11ga x1.25 (.115)	14ga x1.25 (.070)	350

COMPLIES WITH MSS SP-58 TYPE 1
WW-H-171 -E TYPE 12

made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL STEEL

FINISH NONE

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	7-26-12
CHECKED SB	7-26-12

GREENFIELD MFG CO

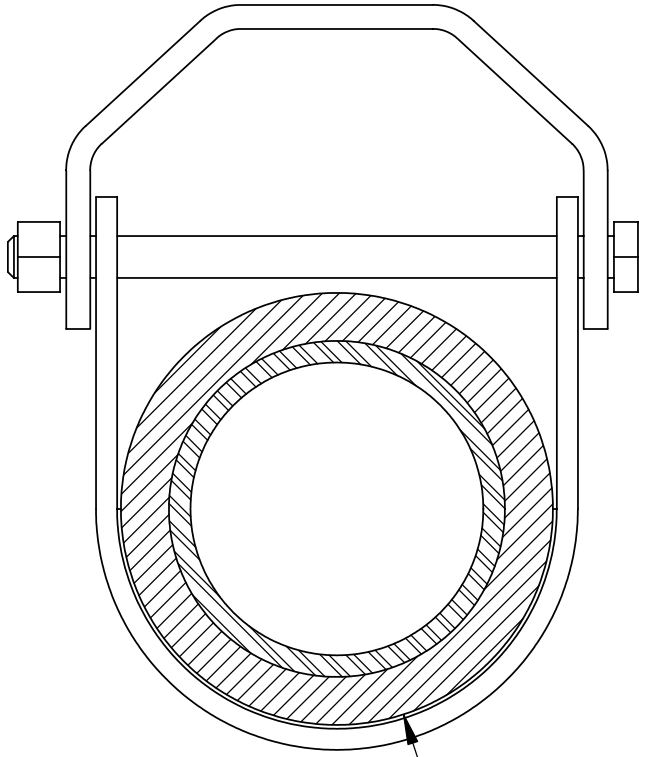
920 LEVICK ST , PHILA.,PA. 19111

CLEVIS ~ LIGHT

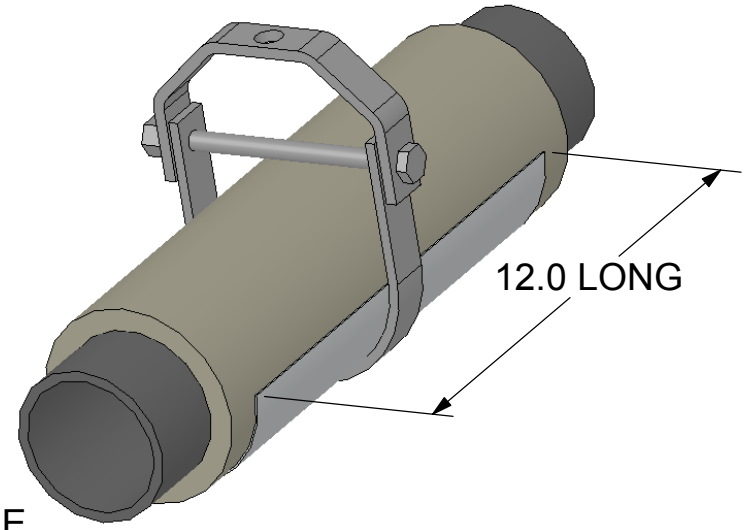
A FIG. 104 REV. C

CAD FILE: 104 REV C SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



made in USA



CLEVIS	OUTSIDE DIA.	STEEL GAGE
1-1/2	1.90	18
2	2.38	18
2-1/2	2.88	18
3	3.50	18
4	4.50	18
5	5.56	18
6	6.63	18
8	8.63	16
10	10.75	16

COMPLIES WITH MANUFACTURERS STANDARDIZATION SOCIETY MSS-SP-58 TYPE 40

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL PRE GALVANIZED STEEL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	12/12
CHECKED SB	

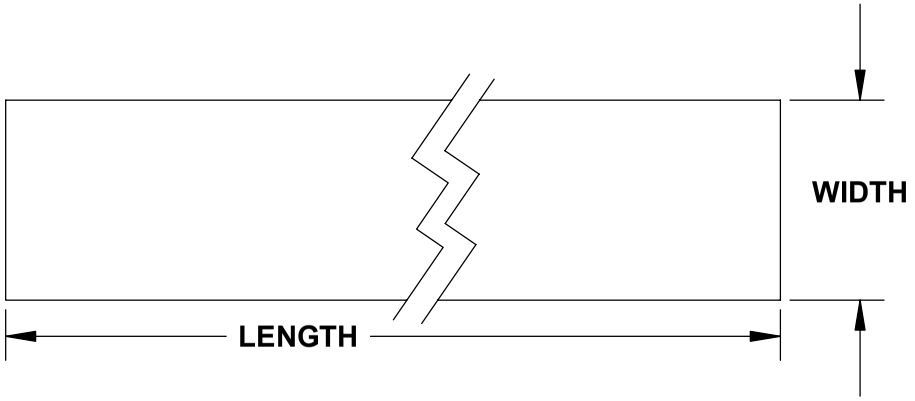
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

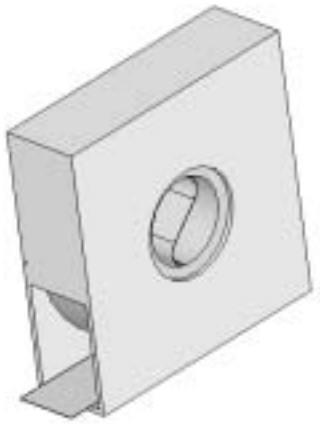
PIPE SHIELD FIG. 105

A P/N REV.

SCALE CAD FILE: 105.SLDDRW SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





THICKNESS	WIDTH	MAX STATIC WORKING LOAD POUNDS	LENGTH
30 GAGE .012 /.016	1.00	75	100 FT ROLL
	1.50	110	
	2.00	150	
26 GAGE .017 / .022	1.00	100	
	1.50	150	
	2.00	200	

EXAMPLE P/N FIG.106 – 26 -1.5
26 GA X 1.50 WIDTH

ROLLS PACKAGED IN INDIVIDUAL CARDBOARD DISPENSORS

MADE IN USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
.XX+/- .30

MATERIAL STEEL

FINISH GALV

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	1/17
CHECKED SB	

GREENFIELD MFG CO

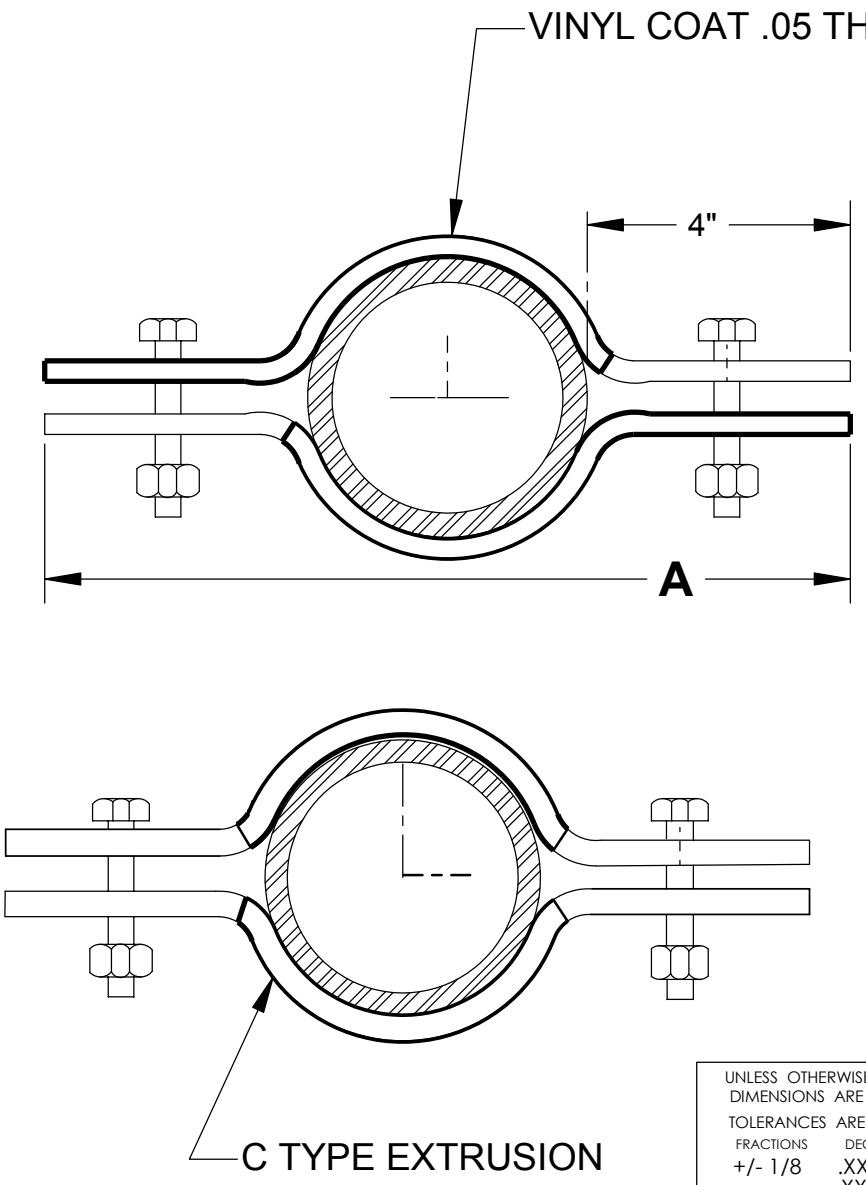
920 LEVICK ST , PHILA.,PA. 19111

NO HOLE DUCT STRAP

P/N FIG. 106 REV.

SCALE CAD FILE: FIG106C.SLDDRW SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



COATING TYPE	SIZE	A	STOCK	BOLT	MAX REC LOAD
EXT	1/2 *	9.00	11 Ga X 1.00	1/4 X 1.25	225
EXT	3/4 *	9.40	11 Ga X 1.00	1/4 X 1.25	225
EXT	1 *	9.50	11 Ga X 1.00	1/4 X 1.25	250
EXT	1-1/4 *	10.00	11 Ga X 1.00	1/4 X 1.25	250
EXT	1-1/2	10.50	11 Ga X 1.00	5/16 X 1.25	250
EXT	2	11.00	10 Ga X 1.00	5/16 X 1.25	250
EXT	3	11.50	9 Ga X 1.00	3/8 X 1.50	300
EXT	4	13.00	8 Ga X 1.00	7/16 X 1.50	400
DIP	5*	14.00	1/4 X 1.25	1/2 X 2.00	750
DIP	6	15.00	1/4 X 1.50	1/2 X 2.00	750
DIP	8	18.50	3/8 X 1.50	5/8 X 2.50	1000

* = SPECIAL ORDER
EXT= C TYPE EXTRUSION APPLIED
DIP= VINYL DIPPED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL: CQ STEEL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
	10/14

GREENFIELD MFG CO A

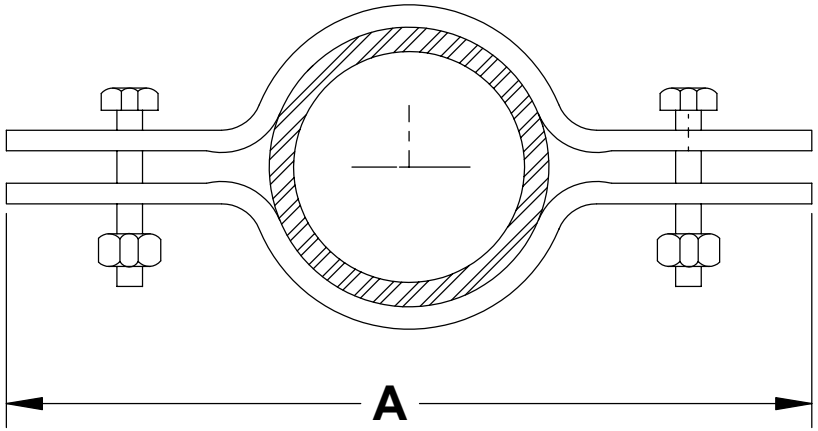
920 LEVICK ST , PHILA.,PA. 19111

P/N PLASTIC RISER CLAMP

A FIG 107 REV.

SCALE CAD FILE: 107.SLDDRW SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



SIZE	A	STOCK	BOLT	MAX REC LOAD
1/2	8.63	1/8 X 1.00	5/16 X 1.00	220
3/4	8.82	1/8 X 1.00	5/16 X 1.00	220
1	9.06	1/8 X 1.00	5/16 X 1.00	220
1-1/4	9.50	1/8 X 1.00	5/16 X 1.25	250
1-1/2	10.00	5/32 X 1.00	5/16 X 1.25	250
2	10.50	5/32 X 1.00	3/8 X 1.50	300
2-1/2	11.12	1/4 X 1.00	3/8 X 1.50	400
3	11.50	1/4 X 1.00	3/8 X 1.75	500
4	13.00	1/4 X 1.00	7/16 X 1.50	600
5	14.00	1/4 X 1.25	1/2 X 2.00	1200
6	15.00	1/4 X 1.50	1/2 X 2.00	1600
8	18.50	3/8 X 1.50	5/8 X 2.50	2500
10	21.00	3/8 X 2.00	5/8 X 2.50	2500
12	23.00	1/2 X 2.00	5/8 X 2.50	2700

Made in USA

Complies with MSS-SP-58 Type 8

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL: CQ STEEL

DO NOT SCALE DRAWING

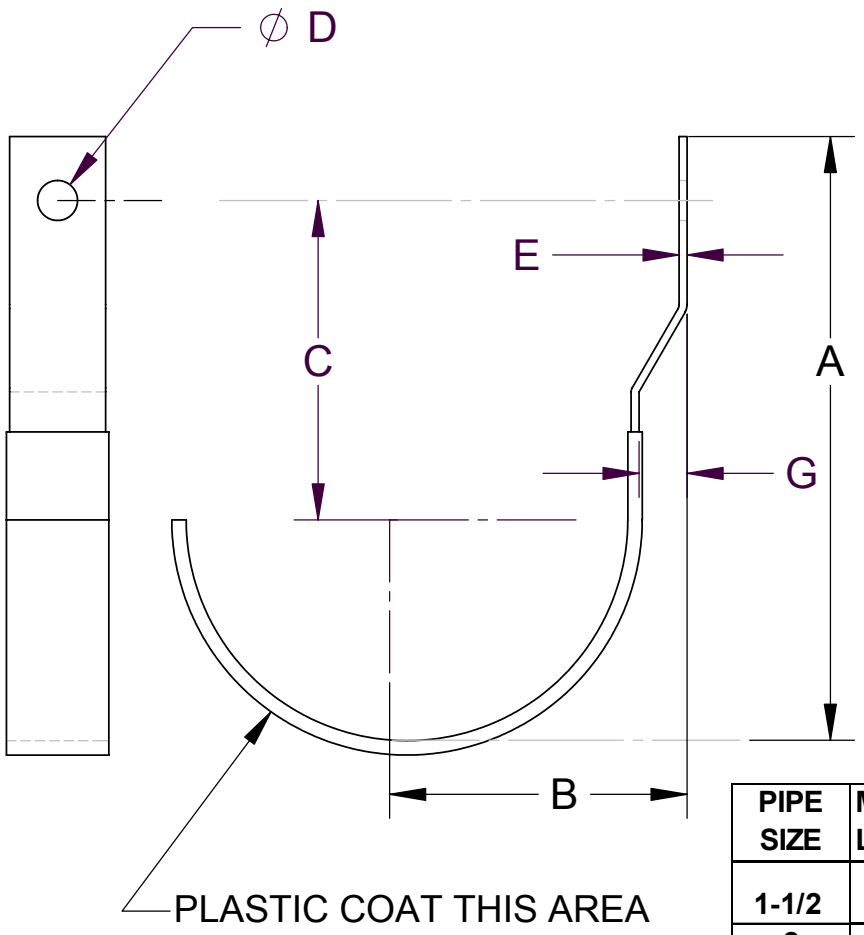
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

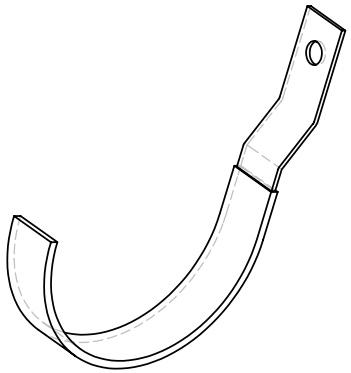
APPROVALS	DATE
DRAWN EG	
CHECKED SB	
7/13	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N RISER CLAMP
A FIG 108 REV.
SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





PIPE SIZE	MAX REC. LOAD LBS	A	B	C	HOLE D	MTL SIZE	OFFSET G
1-1/2	150	6.69	2.0	5.0	0.56	.12 X 1.5	1.0
2	150	6.94	2.3	5.0	0.56	.12 X 1.5	1.0
3	150	8.00	2.9	5.0	0.56	.12 X 1.5	1.0
4	200	8.50	3.4	5.0	0.56	.16 X 1.5	1.0

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL HR CQ

DO NOT SCALE DRAWING

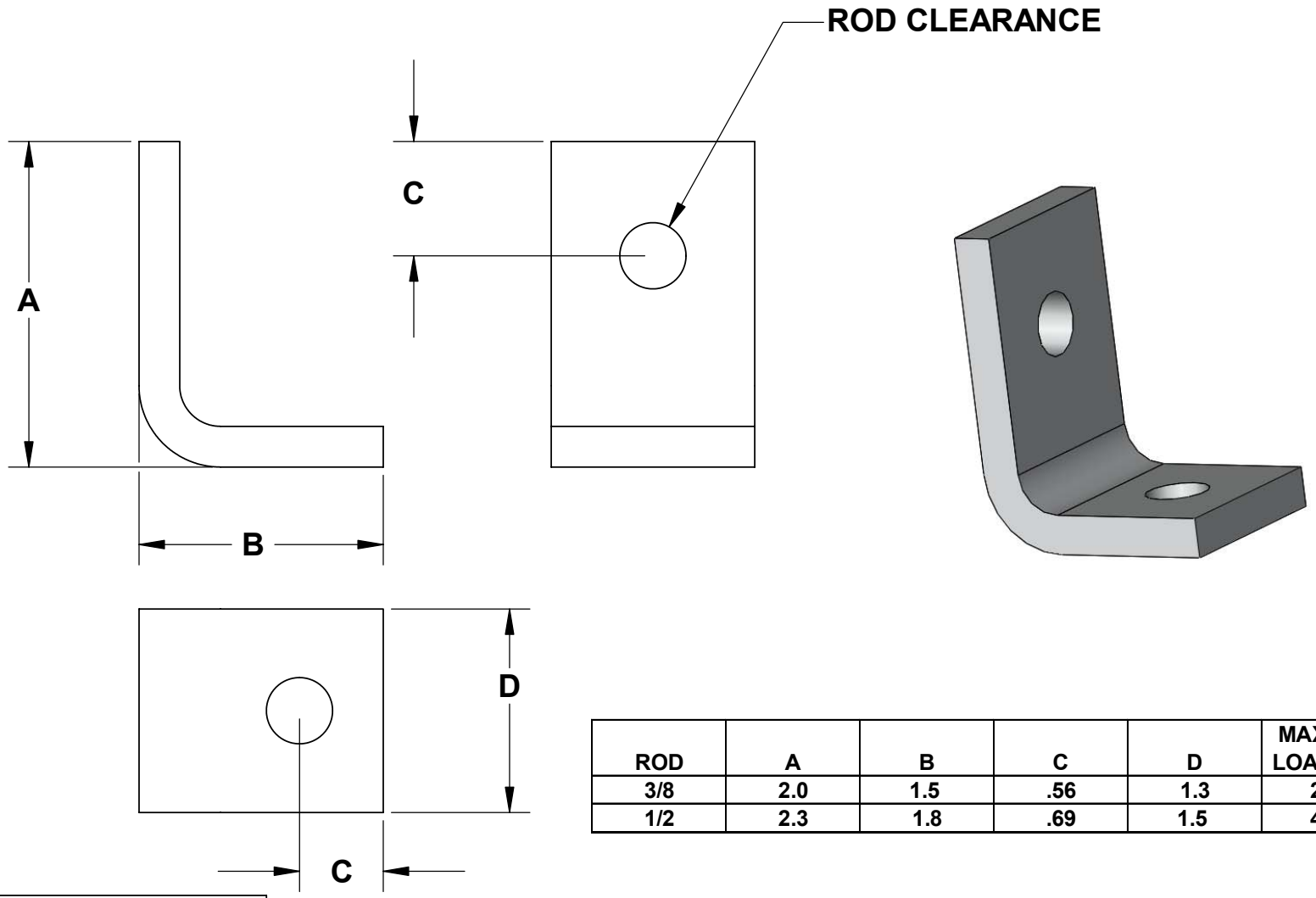
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N J HANGER PLASTIC
A FIG 113 REV.
SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



ROD	A	B	C	D	MAX REC LOAD LBS
3/8	2.0	1.5	.56	1.3	250
1/2	2.3	1.8	.69	1.5	400

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL COM'L QUALITY 1/4 THK

DO NOT SCALE DRAWING

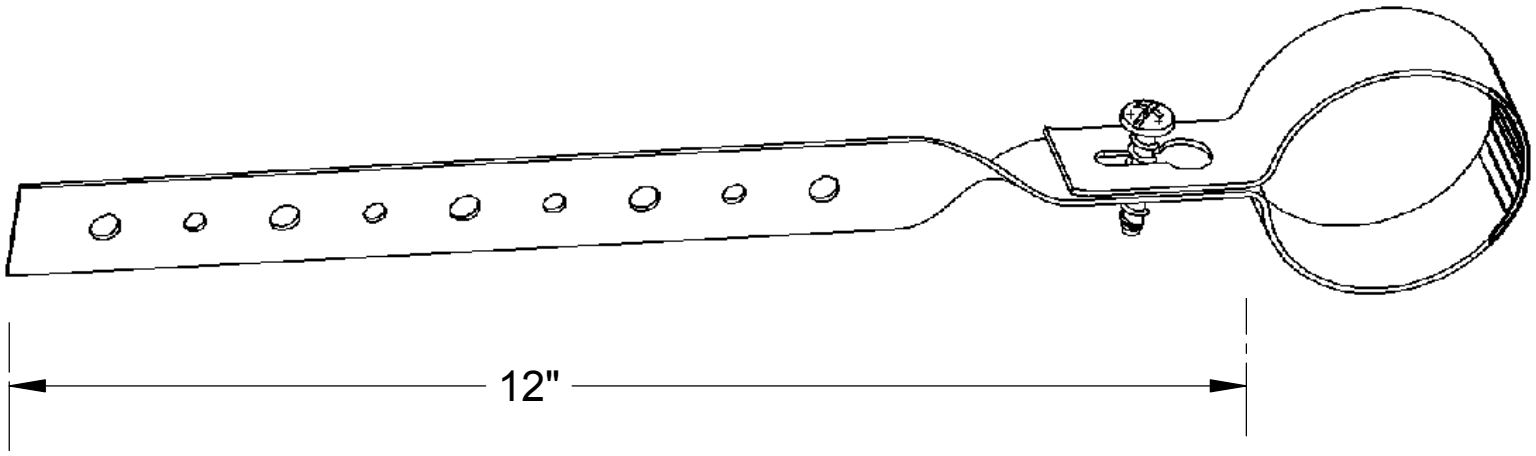
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	4/05
CHECKED SB	
12/10	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N ANGLE BRACKET
A FIG 118 REV.
SCALE CAD FILE: FIG 118 .SLDDRW SHEET OF

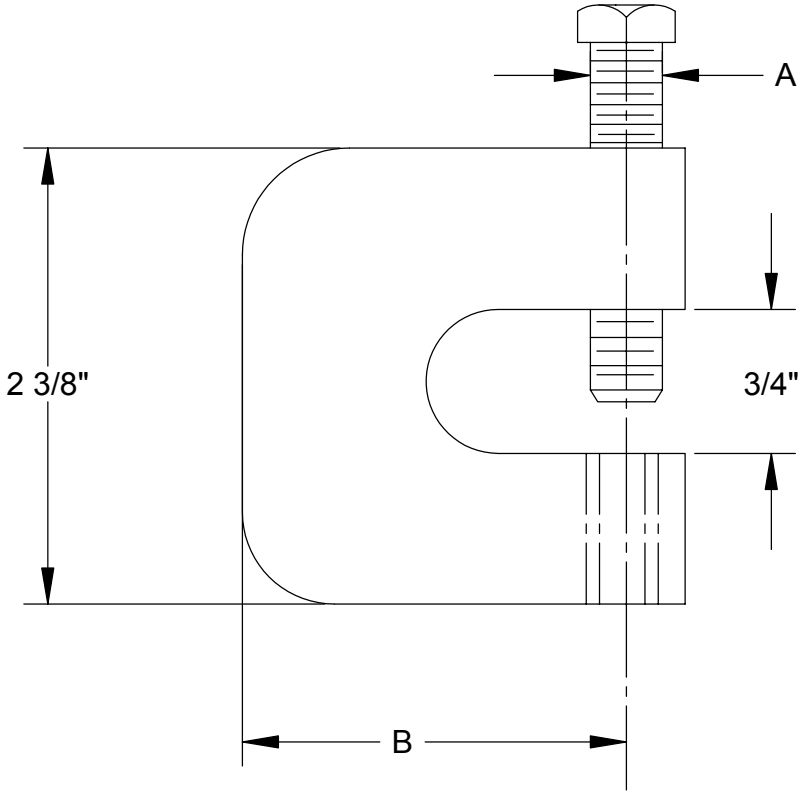
SIZE	MATERIAL
1-1/2	18 GA X 3/4
2	18 GA X 3/4
3	16 GA X 3/4
4	16 GA X 3/4



MAXIMUM REC LOAD
150 LBS

Made in USA

MATERIAL GALV. STEEL		**Greenfield Mfg Co** **920 Levick St , Phila.,Pa. 19111-5498**	
FINISH NONE	TOLERANCES XXX XX FR	Dr. EG Chk. SB Appr. sb Date 12/10	**DWV HANGER (UNCOATED)** FSCM 98320 P/N **FIG 120**

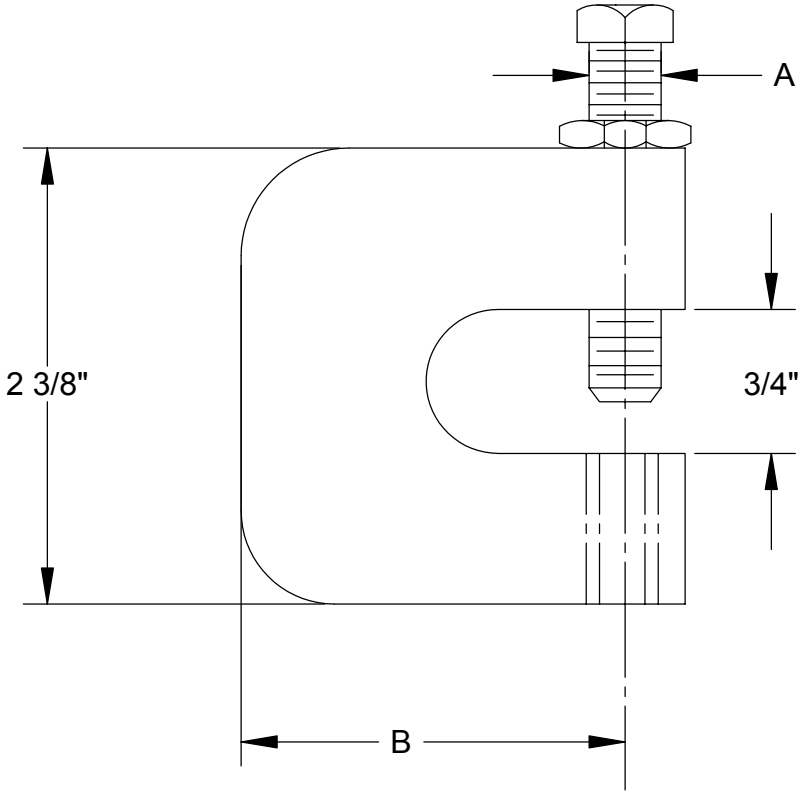


SIZE A	B	MAX REC LOAD
3/8	2.0	400 LBS
1/2	2.0	500
5/8	1.9	550
3/4	1.8	630

NOTE:
FIG 123 : WITH LOCK NUT

Made in USA

MATERIAL: Steel		**Greenfield Mfg Co** *920 Levick St , Phils.,Pa. 19111-5498*	
FINISH: NONE	TOLERANCES XXX XX FR	Dr. EG Chk. SB Appr. sb Date: 9/24/02	FORMED C CLAMP FSCM 98320 P/N FIG - 122



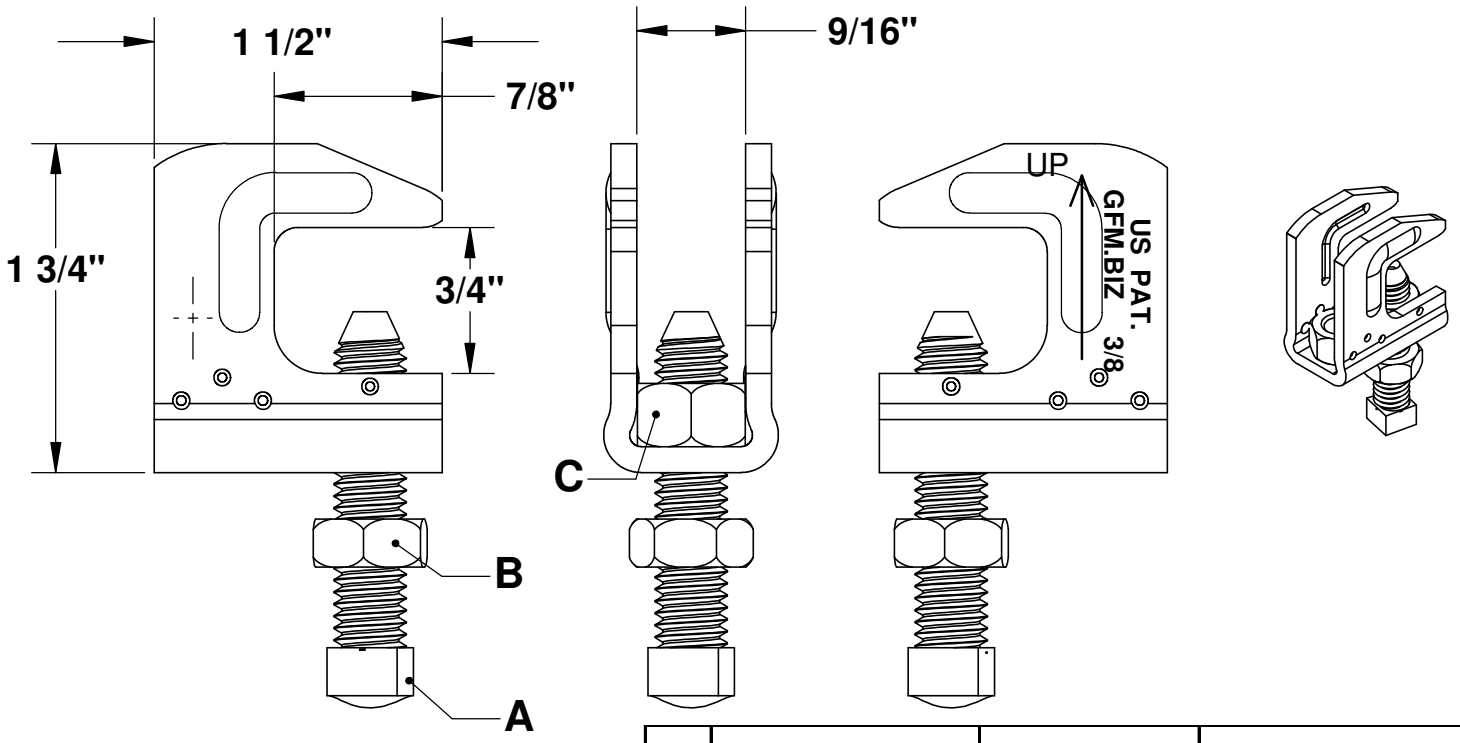
SIZE A	B	MAX REC LOAD
3/8	2.0	400 LBS
1/2	2.0	500
5/8	1.9	550
3/4	1.8	630

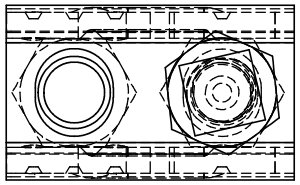
NOTE:
FIG 122 : WITHOUT LOCK NUT

Made in USA

MATERIAL Steel		**Greenfield Mfg Co** 920 Levick St , Phils.,Pa. 19111-5498	
FINISH NONE	TOLERANCES XXX XX FR	Dr. EG Chk. SB Appr. sb Date 9/24/02	FORMED C CLAMP FSCM 98320 P/N FIG - 123

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





A	SQUARE HEAD CUP POINT SET SCREW	3/8-16 X 1-3/4	SAE J429 GR 2, Zinc Plated STEEL (1010 MIN.),Case Hrdn. To 15N80 @ .0032-.010 Dp.
B	JAM NUT	3/8-16	ANSI/ASME B18.2.2. Zinc-Plated Grade 2 Steel
C	HEX NUT X 2	3/8-16	ANSI/ASME B18.2.2. Zinc-Plated Grade 2 Steel

REC. SET SCREW TORQUE 60 IN-LBS.

MAX REC LOAD 400 LBS
182 KG

MADE IN USA

US PAT. 8,882,056

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/16 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	5/26/15
CHECKED LB	4/8/14

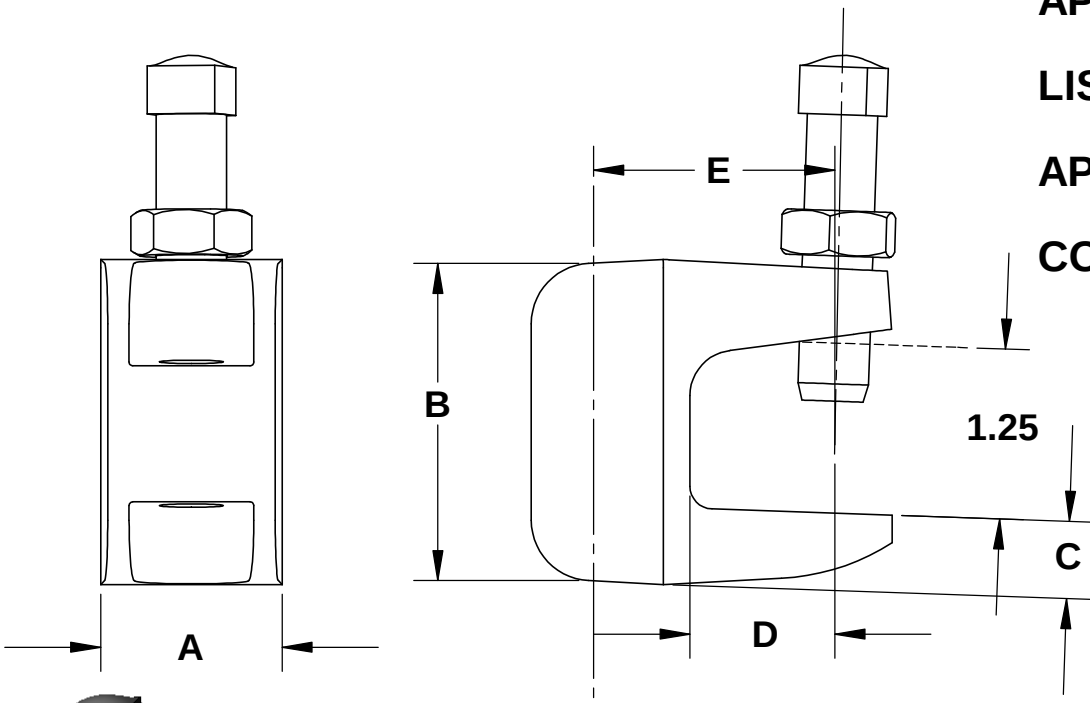
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

NUTTY BEAM CLAMP FOR 3/8 THREAD ROD

A P/N **125** REV **6**

SCALE 1:1 CAD FILE: **Figure 125.SLDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



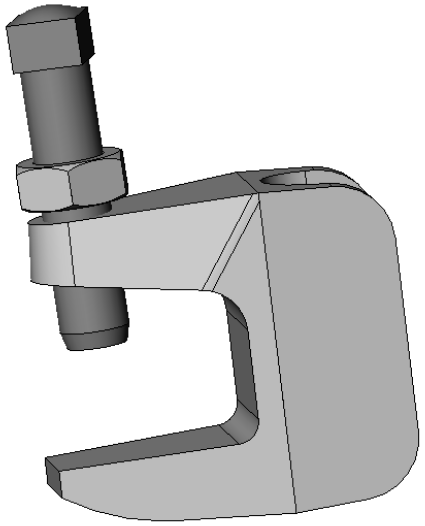
APPROVALS:

LISTED FM

APPROVED UL

COMPLIES WITH MSS SP-58 TYPE 19

SEE MSS SP-69 FOR PROPER SET SCREW RECOMMENDATIONS



ROD SIZE	WT PER 100 PCS	MAX REC LOAD	CTN QTY	A	B	C	D	E
3/8	28	350#	100	.88	2.00	.31	.75	1.00
1/2	34	470#	100	.88	2.00	.31	.75	1.00
5/8	42	550#	50	1.00	2.25	.34	.75	1.25
3/4	80	700#	50	1.25	2.38	.41	.75	1.37

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL

DUCTILE IRON

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	EG	3/12
CHECKED	SB	3/12

GREENFIELD MFG CO

920 LEVICK ST , PHILA.,PA. 19111

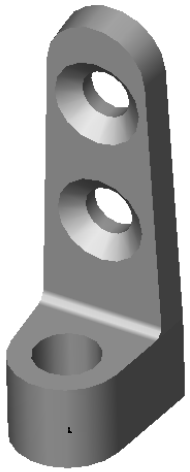
WIDE THROAT TOP BEAM CLAMP

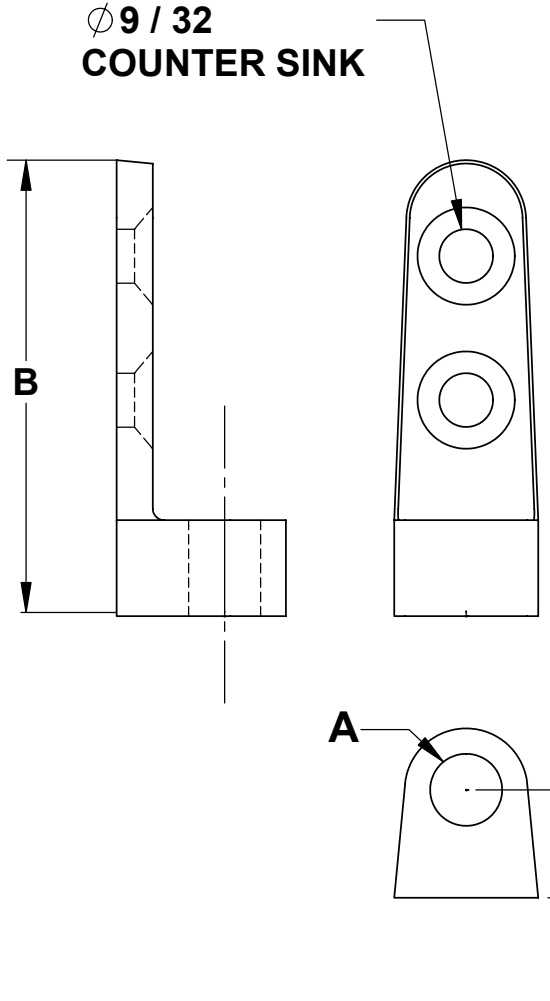
A P/N **FIG 126** REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

A	B	C	WT. / C APPROX	MAX REC. LOAD ,LB.
3/8	2- 3/8	5/16	13	250
1/2	3- 3/4	3/4	25	480





UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
MALLEABLE IRON

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	4/05
CHECKED SB	4/05

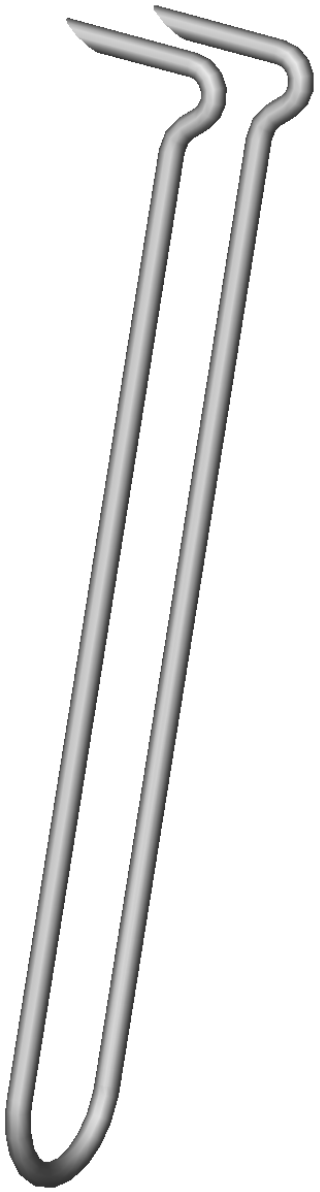
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

SIDE BEAM CONNECTOR

A P/N **FIG. 191** REV.

SCALE CAD FILE **191.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



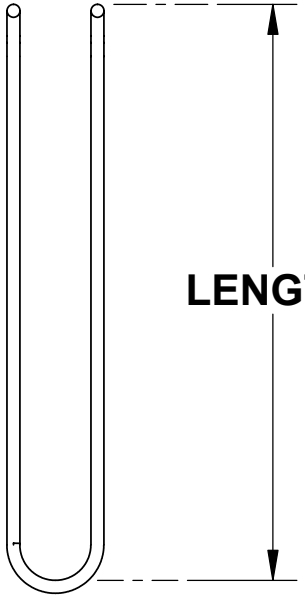


FIGURE NUMBER

FIG 197 - SIZE X LENGTH
EXAMPLE
FIG 197-3/4 X 6

SIZES 1/2 THRU 2 INCH
IRON PIPE SIZES

LENGHTS 4,6,8,10,12 INCHES

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
10 GA BRIGHT BASIC STEEL WIRE

DO NOT SCALE DRAWING

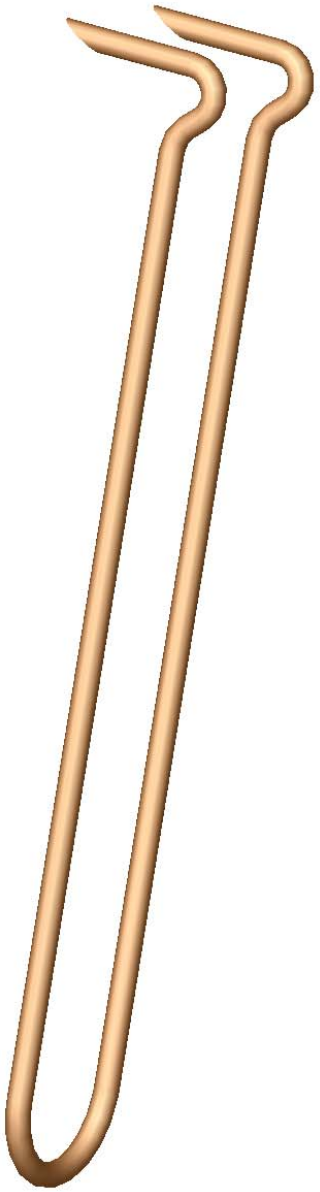
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	EG	10/10
CHECKED	SB	10/10

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N **PIPE HOOK**
A **FIG 197** REV.
SCALE CAD FILE: **FIG 197.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



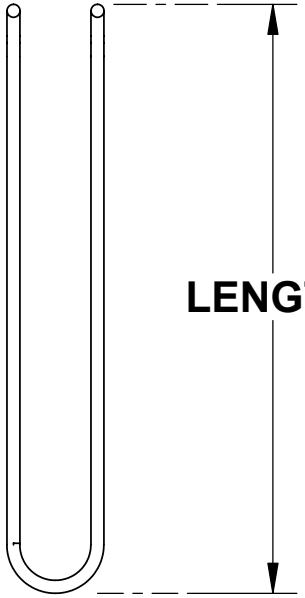


FIGURE NUMBER

FIG 198 - SIZE X LENGTH
EXAMPLE
FIG 198-3/4 X 6

SIZES 1/2 THRU 2 INCH
COPPER TUBE SIZES

LENGHTS 4,6,8,10,12 INCHES

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
10 GA BRIGHT BASIC WIRE COPPER PLATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	EG	10/10
CHECKED	SB	10/10

GREENFIELD MFG CO

920 LEVICK ST , PHILA.,PA. 19111

P/N **TUBE HOOK**

A **FIG 198** REV.

SCALE CAD FILE: **198.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

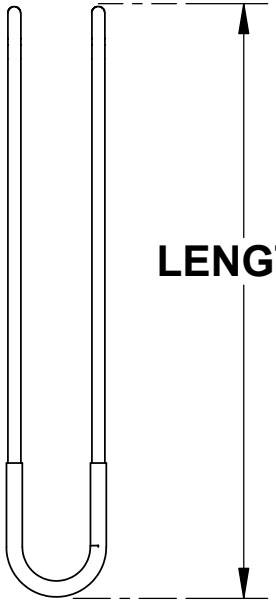


FIGURE NUMBER

FIG 199 - SIZE X LENGTH
EXAMPLE
FIG 199-3/4 X 6

SIZES 1/2 THRU 2 INCH
COPPER TUBE SIZES

LENGHTS 4,6,8,10,12 INCHES

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
10 GA BRIGHT BASIC COPPER PLATED STEEL WIRE VINYL COATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	EG	10/10
CHECKED	SB	10/10

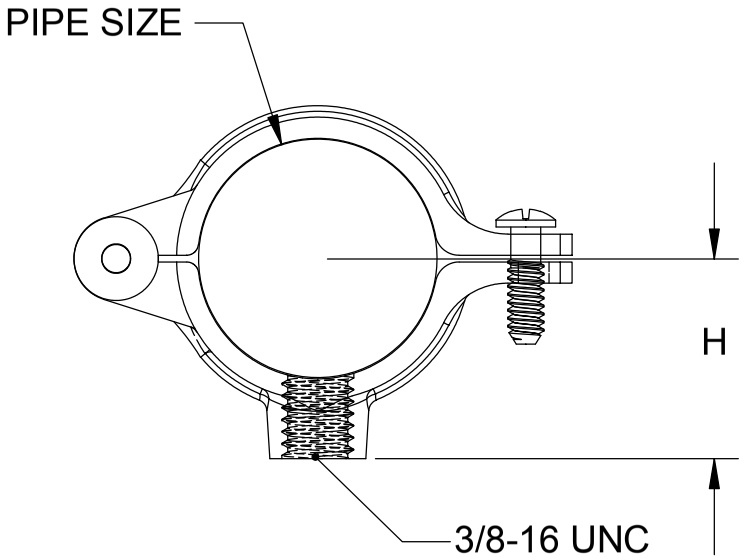
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N **PLASTIC COATED TUBE HOOK**

A **FIG 199** REV.

SCALE CAD FILE **FIG 199.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



PIPE SIZE	H	WT / C APPROX	MAX REC LOAD LBS
3/8	0.69	10	180
1/2	0.82	10	180
3/4	0.94	12	180
1	1.06	14	180
1-1/4	1.23	19	180
1-1/2	1.31	21	180
2	1.62	30	180

USE FIG 385 FOR 2-1/2 THRU 4
IMPORTED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
DUCTILE IRON

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	4/18
CHECKED LB	4/18

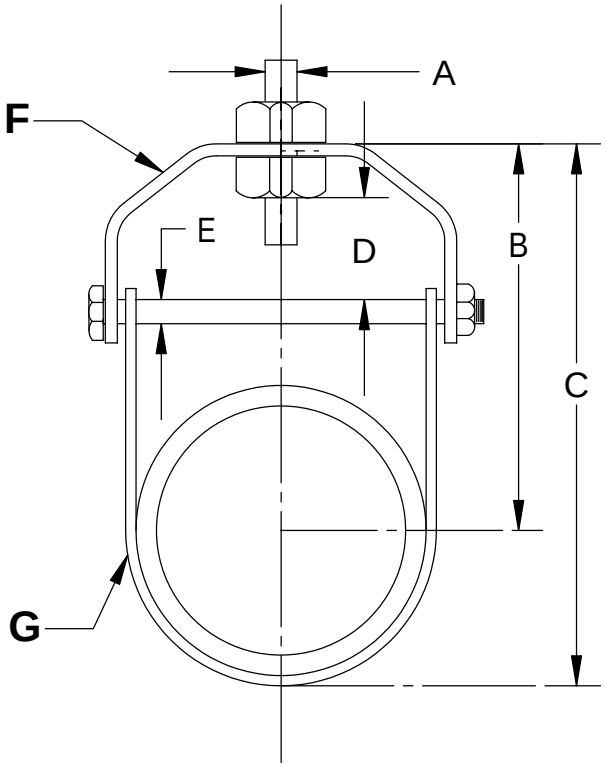
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

SPLIT RING ,IRON PIPE

A | P/N FIG 202 | REV.

SCALE | CAD FILE: 202.SLDDRW | SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



SIZE	A	B	C	D	E	F	G	MAX REC LOAD (lbs)
1/2	3/8	1.7	2.5	0.62	1/4	.080 X 1.00	.070 X 1.00	250
3/4	3/8	2.0	2.8	0.62	1/4	.080 X 1.00	.070 X 1.00	250
1	3/8	2.3	3.0	0.62	1/4	.080 X 1.00	.070 X 1.00	250
1-1/4	3/8	2.5	3.5	0.75	1/4	13 ga X 1.00	.070 X 1.00	250
1-1/2	3/8	2.8	3.8	1.00	1/4	12 ga X 1.00	.070 X 1.00	250
2	3/8	3.0	4.0	1.30	1/4	12 ga X 1.00	.080 X 1.00	300
2-1/2	1/2	3.5	5.3	1.30	5/16	11 ga X 1.25	13 ga X 1.25	350
3	1/2	4.8	7.0	2.00	5/16	11 ga X 1.25	13 ga X 1.25	350
4	1/2	5.8	8.0	2.00	3/8	8 ga X 1.25	11 ga X 1.25	500
5	5/8	6.5	9.5	2.30	1/2	3 ga X 1.25	8 ga X 1.25	700
6	3/4	7.5	10.5	2.30	1/2	3 ga X 1.50	8 ga X 1.50	800
8	3/4	8.8	13.0	2.30	9/16	3 ga X 1.75	8 ga X 1.75	1500
10	7/8	10.0	15.0	2.30	3/4	3/8 X 1.75	3 ga X 1.75	2500
12	7/8	11.0	18.0	2.60	3/4	3/8 X 2.00	3 ga X 2.00	3500

Complies with Manufacturers Standardization Society
MSS-SP-58 Type-1 and WWH-171E Type-1

MADE IN USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL **STEEL**

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	5/13
CHECKED SB	

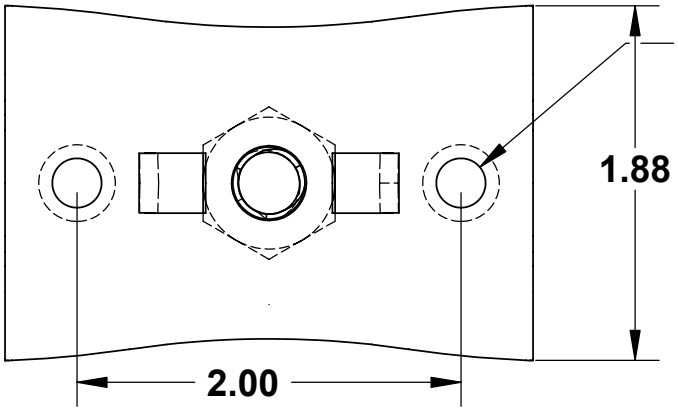
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

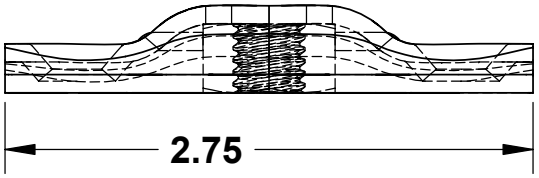
CLEVIS -STANDARD

A | P/N **FIG 204** | REV. C

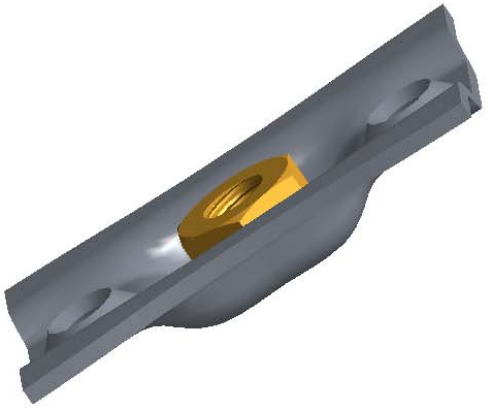
SCALE | CAD FILE **204.SLDDRW** | SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





HEAVY HEX NUT
ZINC PLATED
3/8 - 16 UNC
FULLY CAPTIVATED



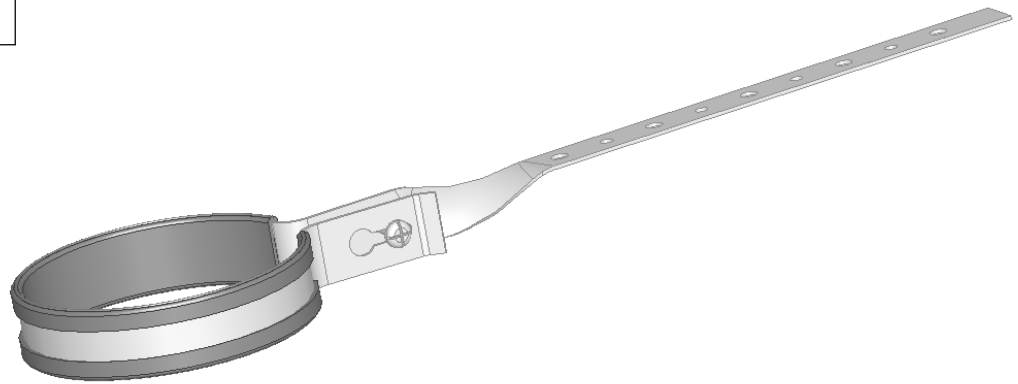
made in USA

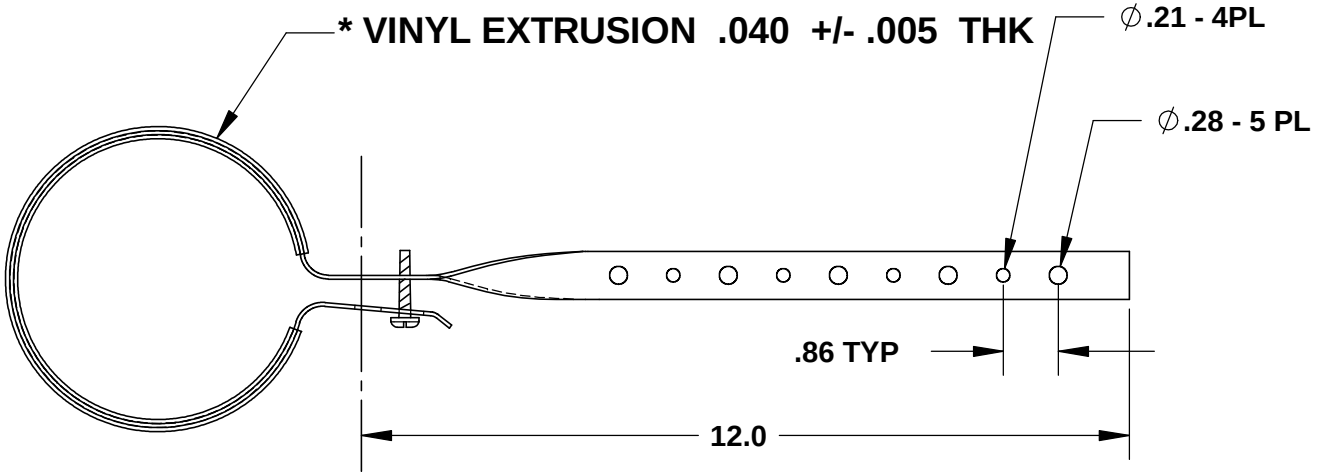
SAFE WORKING LOAD
200 POUNDS LIMITED BY FASTENERS ATTACHED
PROOF TESTED AT 2000 LBS
TEST REPORTS AT WWW.GFM.BIZ

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		**GREENFIELD MFG CO**
	APPROVALS	DATE	920 LEVICK ST , PHILA.,PA. 19111
	DRAWN EG	2/13	**BOWTIE FLANGE PLATE**
	CHECKED SB	2/13	
MATERIAL **13 GA. HR/CR STEEL**			A P/N **FIG.208** REV.
DO NOT SCALE DRAWING			SCALE CAD FILE: **FIG 208 BOWTIE** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

MADE IN USA





SIZE	MATERIAL
1-1/2	18 GA X 1
2	18 GA X 1
3	16 GA X 1
4	16 GA X 1
6	16 GA X 1

MAX RECOMMENDED LOAD 150 LBS
MAX TEMPERATURE 150 ° F

* EXTRUSION COATING MATERIAL:
SYLVIN 8925-80
HARDNESS 80-90 A DUROMETER
TENSIL STRENGTH 2400
ELOGATION % 375

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL STEEL GALVANZED

FINISH --

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	1/12
	1/12

GREENFIELD MFG CO

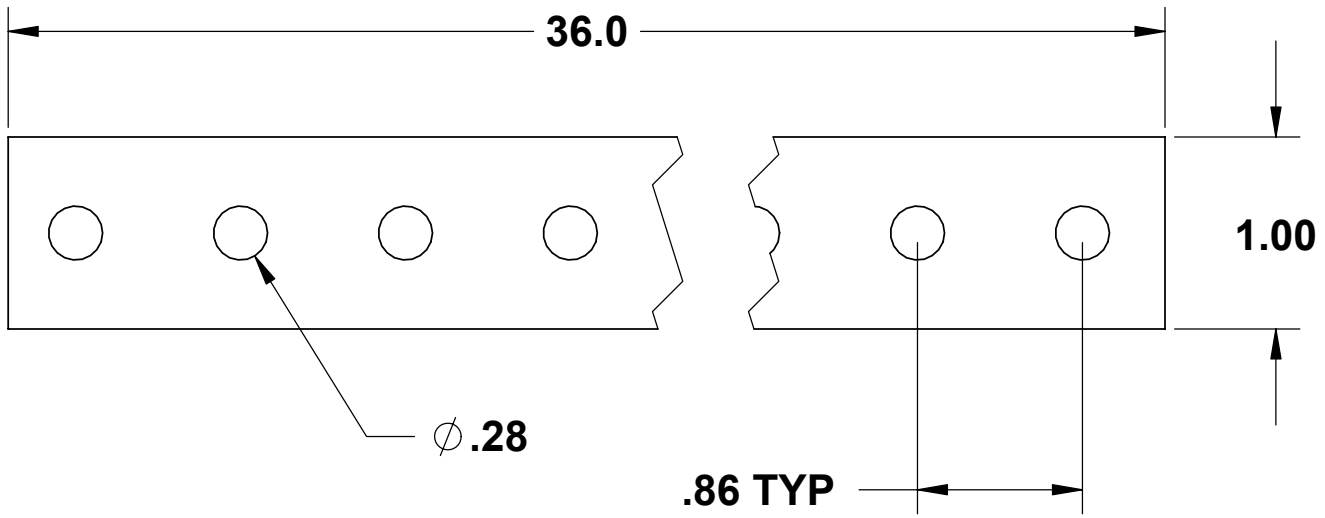
920 LEVICK ST , PHILA.,PA. 19111

P/N **DWV COATED**

A **FIG 220** REV.

SCALE CAD FILE: FIG220W.SLD SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL 16 GAGE GALVANIZED

DO NOT SCALE DRAWING

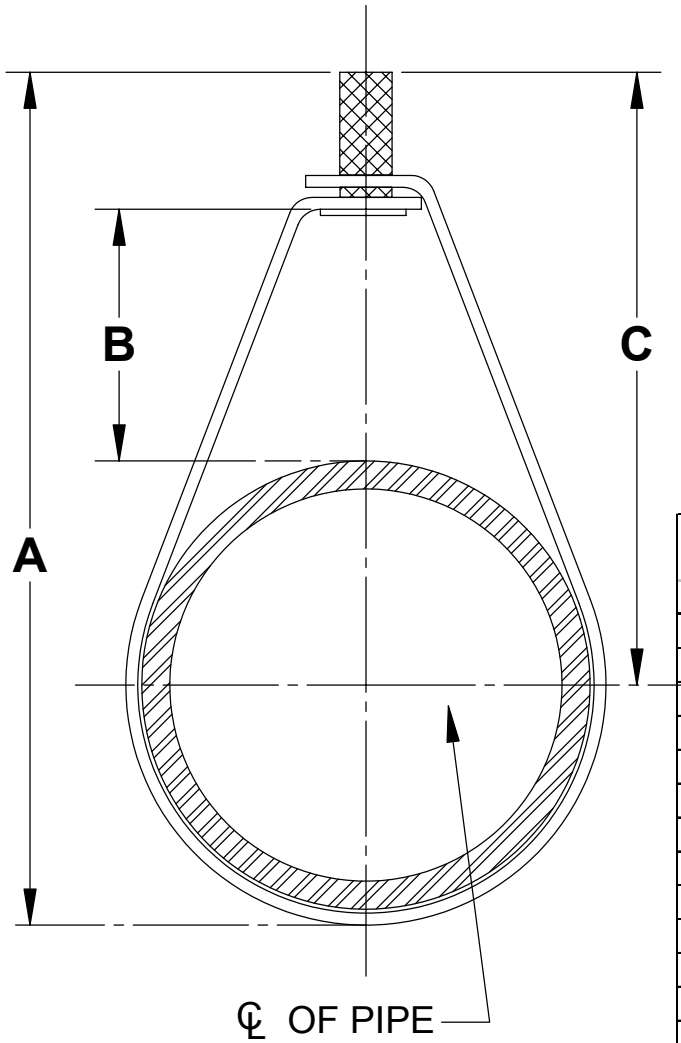
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	4/05
CHECKED SB	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N **DWV EXTENSION BAR**
A **FIG 221** REV.
SCALE CAD FIL **FIG 221.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



Made in USA

PIPE SIZE	ROD SIZE	MATERIAL SIZE	DRAWING REF A	B	C	WT. PER 100	MAX REC. LOAD
1/2"	3/8"	18ga x 5/8	3"	1 - 1/8"	1 - 1/2"	8	400
3/4"	3/8"	18ga x 5/8	3 - 1/8"	1 - 1/8"	1 - 3/4"	9	400
1"	3/8"	18ga x 5/8	3 - 3/8"	1 - 1/8"	1 - 7/8"	10	400
1 - 1/4"	3/8"	18ga x 5/8	3 - 3/4"	1 - 1/8"	2 - 1/8"	11	400
1 - 1/2"	3/8"	18ga x 5/8	4"	1 - 1/8"	2 - 1/4"	13	400
2"	3/8"	18ga x 5/8	4 - 5/8"	1- 1/8"	2 - 1/2"	14	400
2 - 1/2"	3/8"	14ga x 3/4	5 - 1/2"	1 - 3/8"	3 - 1/8"	30	600
3"	3/8"	14ga x 3/4	6 - 3/8"	1 - 5/8"	3 - 5/8"	32	600
3 - 1/2"	3/8"	14ga x 3/4	7"	1 - 3/4"	4"	36	600
4"	3/8"	14ga x 3/4	7 - 1/2"	1 - 5/8"	4 - 1/8"	44	1000
5"	1/2"	13ga x 3/4	8 - 3/4"	1 - 7/8"	5"	56	1000
6"	1/2"	13ga x 3/4	10 - 3/8"	2 - 1/8"	6"	116	1250
8"	1/2"	12ga x 3/4	12 - 5/8"	2 - 3/8"	7 - 1/8"	150	1250

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL STEEL

FINISH GALVANIZED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
	7/13

GREENFIELD MFG CO

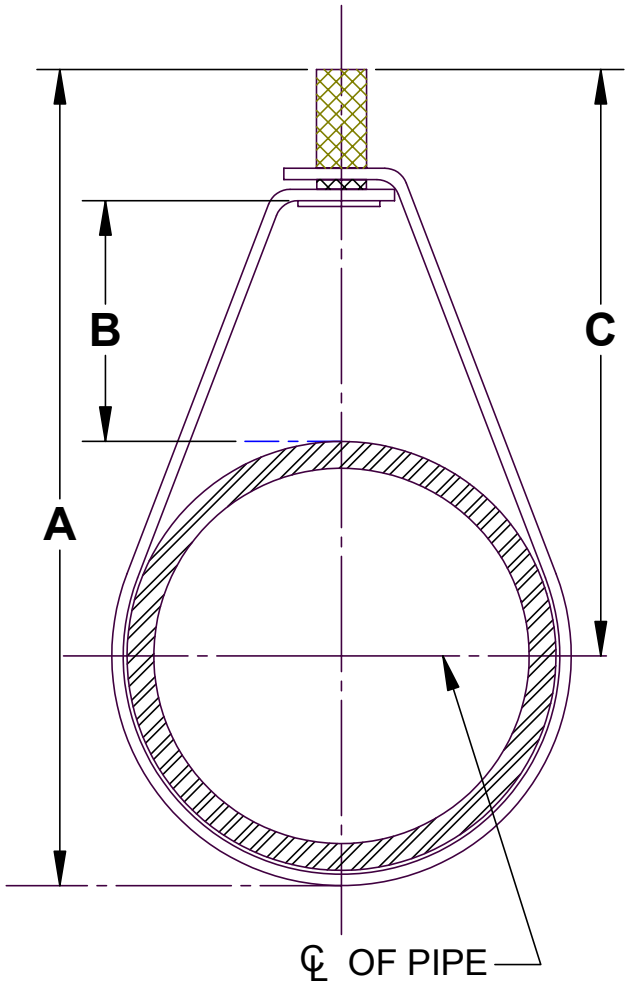
920 LEVICK ST , PHILA.,PA. 19111

P/N FIG 300

A ADJ. SWIVEL IPS REV.

SCALE CAD FILE: FIG 300 SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



COMPLIES WITH MSS SP-58, TYP #10

PIPE SIZE	MATERIAL SIZE	ROD SIZE	DRAWING REF A	B	C	WT. PER 100	MAX REC. LOAD
1/2"	18ga x 5/8	3/8"	3"	1 - 1/8"	1 - 1/2"	8	400
3/4"	18ga x 5/8	3/8"	3 - 1/8"	1 - 1/8"	1 - 3/4"	9	400
1"	18ga x 5/8	3/8"	3 - 3/8"	1 - 1/8"	1 - 7/8"	10	400
1 - 1/4"	18ga x 5/8	3/8"	3 - 3/4"	1 - 1/8"	2 - 1/8"	11	400
1 - 1/2"	18ga x 5/8	3/8"	4"	1 - 1/8"	2 - 1/4"	13	400
2"	18ga x 5/8	3/8"	4 - 5/8"	1- 1/8"	2 - 1/2"	14	400
2 - 1/2"	14ga x 3/4	3/8"	5 - 1/2"	1 - 3/8"	3 - 1/8"	30	600
3"	14ga x 3/4	3/8"	6 - 3/8"	1 - 5/8"	3 - 5/8"	32	600
3 - 1/2"	14ga x 3/4	3/8"	7"	1 - 3/4"	4"	36	600
4"	14ga x 3/4	3/8"	7 - 1/2"	1 - 5/8"	4 - 1/8"	44	1000

NOTE:
EPOXIE / COPPER COATED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL STEEL

FINISH SEE-NOTE

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
11/06	

GREENFIELD MFG CO

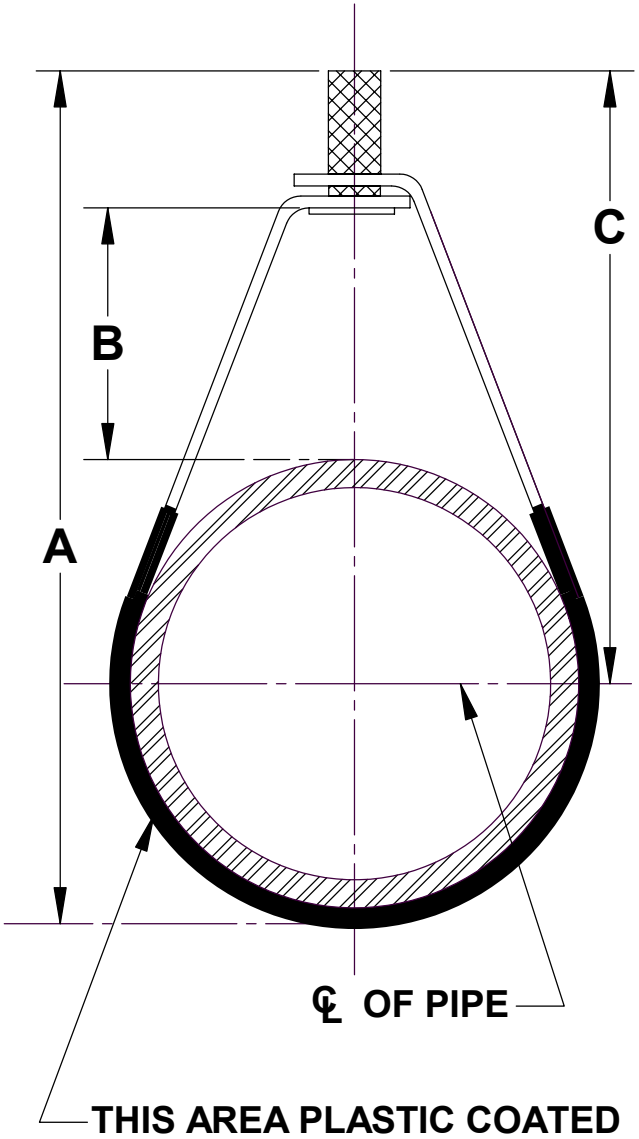
920 LEVICK ST , PHILA.,PA. 19111

P/N **FIG 301**

A **ADJ. SWIVEL CT** REV.

SCALE CAD FILE 301.SLDRW SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



PIPE SIZE	ROD SIZE	DRAWING REF A	DRAWING REF B	DRAWING REF C	WT. PER 100	MAX REC. LOAD
1 - 1/2"	3/8"	4"	1 - 1/8"	2 - 1/4"	13	300
2"	3/8"	4 - 5/8"	1- 1/8"	2 - 1/2"	14	300
3"	3/8"	6 - 3/8"	1 - 5/8"	3 - 5/8"	32	400
4"	3/8"	7 - 1/2"	1 - 5/8"	4 - 1/8"	44	400
6"	1/2"	10 - 3/8"	2 - 1/8"	6"	116	600

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL **STEEL**

FINISH **GALVANIZED G60**

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	

12/10

GREENFIELD MFG CO

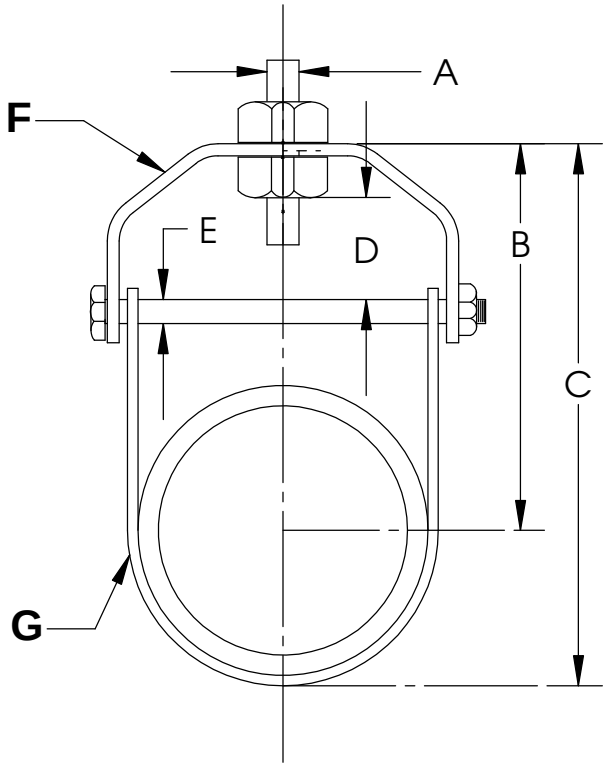
920 LEVICK ST , PHILA.,PA. 19111

P/N **FIG 302**

A **ADJ. SWIVEL PLASTIC** REV.

SCALE CAD FILE: **FIG 302** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



SIZE	A	B	C	D	E	F	G	MAX REC LOAD (lbs)
1/2	3/8	1.7	2.5	0.62	1/4	.080 X 1.00	.070 X 1.00	250
3/4	3/8	2.0	2.8	0.62	1/4	.080 X 1.00	.070 X 1.00	250
1	3/8	2.3	3.0	0.62	1/4	.080 X 1.00	.070 X 1.00	250
1-1/4	3/8	2.5	3.5	0.75	1/4	13 ga X 1.00	.080 X 1.00	250
1-1/2	3/8	2.8	3.8	1.00	1/4	12 ga X 1.00	13 ga X 1.00	250
2	3/8	3.0	4.0	1.30	1/4	12 ga X 1.00	13 ga X 1.00	300
2-1/2	1/2	3.5	5.3	1.30	5/16	11 ga X 1.25	12 ga X 1.25	350
3	1/2	4.8	7.0	2.00	5/16	11 ga X 1.25	12 ga X 1.25	350
4	1/2	5.8	8.0	2.00	3/8	8 ga X 1.25	10 ga X 1.25	500
5	5/8	6.5	9.5	2.30	1/2	3 ga X 1.25	8 ga X 1.25	700
6	5/8	7.5	10.5	2.30	1/2	3 ga X 1.50	8 ga X 1.50	800
8	3/4	8.8	13.0	2.30	9/16	3 ga X 1.75	8 ga X 1.75	1500
10	7/8	10.0	15.0	2.30	3/4	3/8 X 1.75	3 ga X 1.75	2500
12	7/8	11.0	18.0	2.60	3/4	3/8 X 2.00	3 ga X 2.00	3500

Complies with Manufacturers Standardization Society
MSS-SP-58 Type-1 and WWH-171E Type-1

MADE IN USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL **STEEL ZINC PLATED**

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	5/12
CHECKED SB	

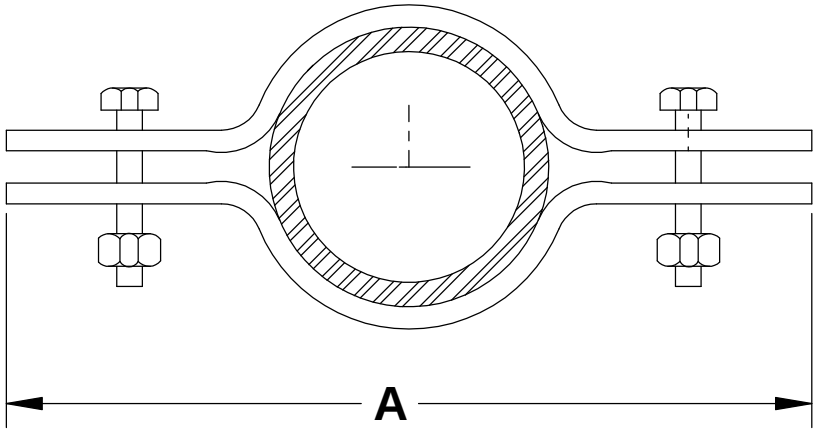
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

CLEVIS -ZINC PLATED

A P/N **FIG 304** REV. **B**

SCALE CAD FILE **304.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



SIZE	A	STOCK	BOLT	MAX REC LOAD
1/2	8.63	1/8 X 1.00	5/16 X 1.00	220
3/4	8.82	1/8 X 1.00	5/16 X 1.00	220
1	9.06	1/8 X 1.00	5/16 X 1.00	220
1-1/4	9.50	1/8 X 1.00	5/16 X 1.25	250
1-1/2	10.00	5/32 X 1.00	5/16 X 1.25	250
2	10.50	5/32 X 1.00	3/8 X 1.50	300
2-1/2	11.12	1/4 X 1.00	3/8 X 1.50	400
3	11.50	1/4 X 1.00	3/8 X 1.75	500
4	13.00	1/4 X 1.00	7/16 X 1.50	600
5	14.00	1/4 X 1.25	1/2 X 2.00	1200
6	15.00	1/4 X 1.50	1/2 X 2.00	1600
8	18.50	3/8 X 1.50	5/8 X 2.50	2500
10	21.00	3/8 X 2.00	5/8 X 2.50	2500
12	23.00	1/2 X 2.00	5/8 X 2.50	2700

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL

CQ STEEL ZINC COATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
3/12	

GREENFIELD MFG CO

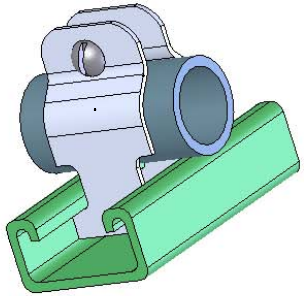
920 LEVICK ST , PHILA.,PA. 19111

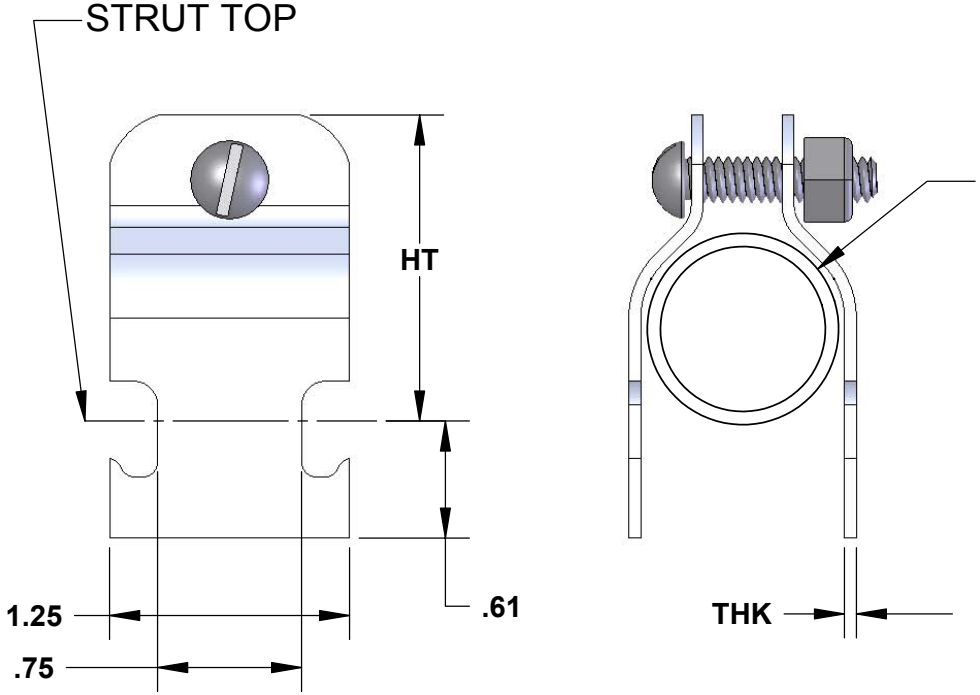
P/N RISER CLAMP

A FIG 308 REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





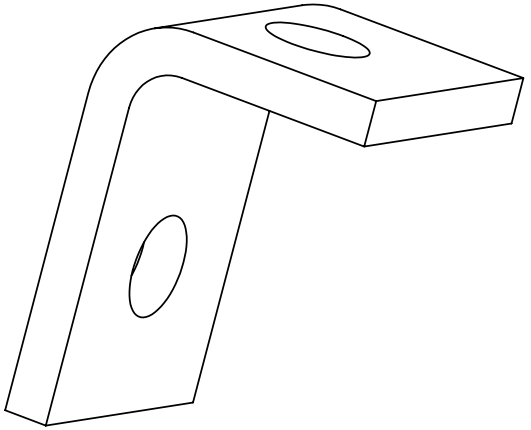
PIPE SIZE	THK	HT	BOLT & NUT
1/2	16 GA	1.4	1/4 X 1
3/4	16 GA	1.6	1/4 X 1
1	16 GA	1.8	1/4 X 1-1/4
1-1/4	16 GA	2.4	1/4 X 1-1/4
1-1/2	14 GA	2.5	1/4 X 1-1/2
2	14 GA	3.0	1/4 X 1-1/2
2-1/2	12 GA	3.7	5/16 x 1-1/4
3	12 GA	4.4	5/16 x 1-1/4
3-1/2	11 GA	4.9	5/16 x 1-1/4
4	11 GA	5.4	5/16 x 1-1/4

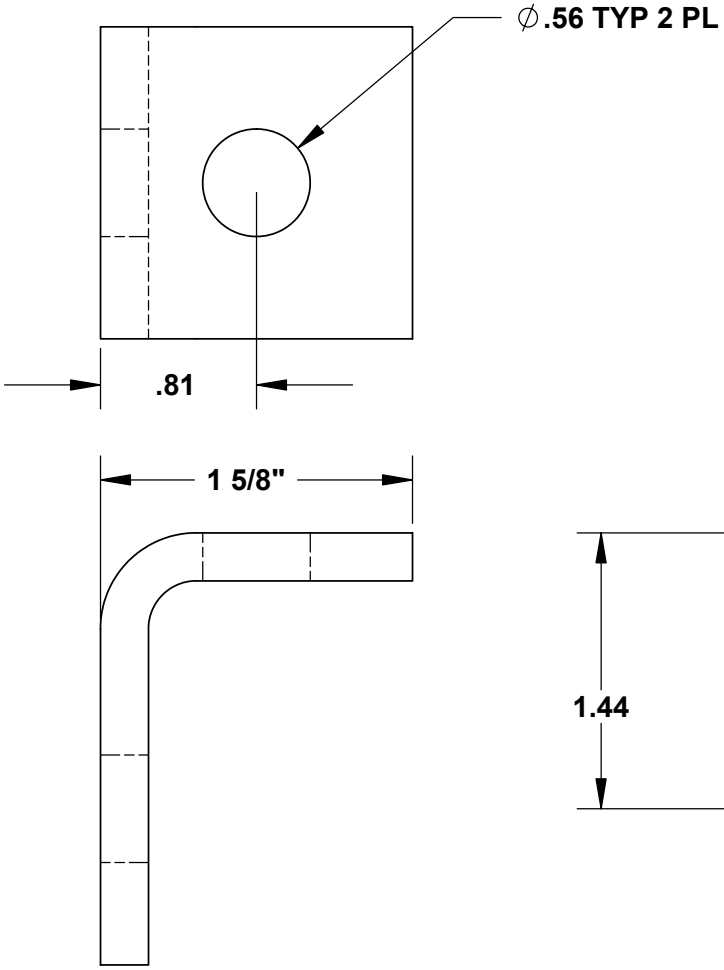
made in USA

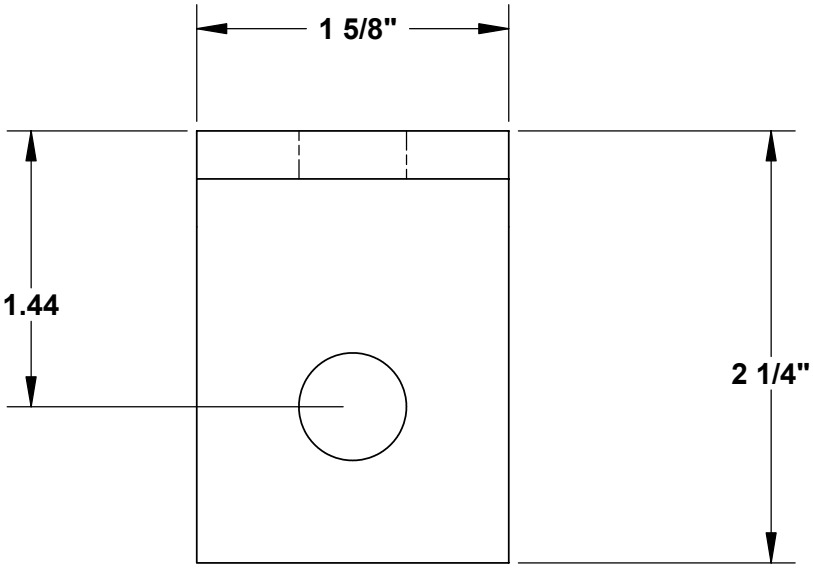
FIG311.SLDDRW

MATERIAL GALV STEEL		**Greenfield Mfg Co** **920 Levick St , Philadelphia ,Pa. 19111-5498**	
FINISH	TOLERANCES XXX XX FR	Dr. EG Chk. SB Appr. sb Date 12/12	STRUT CLAMP FOR PIPE FSCM 98320 — FIG. 311

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.







UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

FRACTIONS	DECIMALS	ANGLES
+/- 1/8	.XX +/- .03 .XXX +/- .01	.XX + 1

MATERIAL

1/4 X 1-5/8 ZN PLTD STEEL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	

GREENFIELD MFG CO

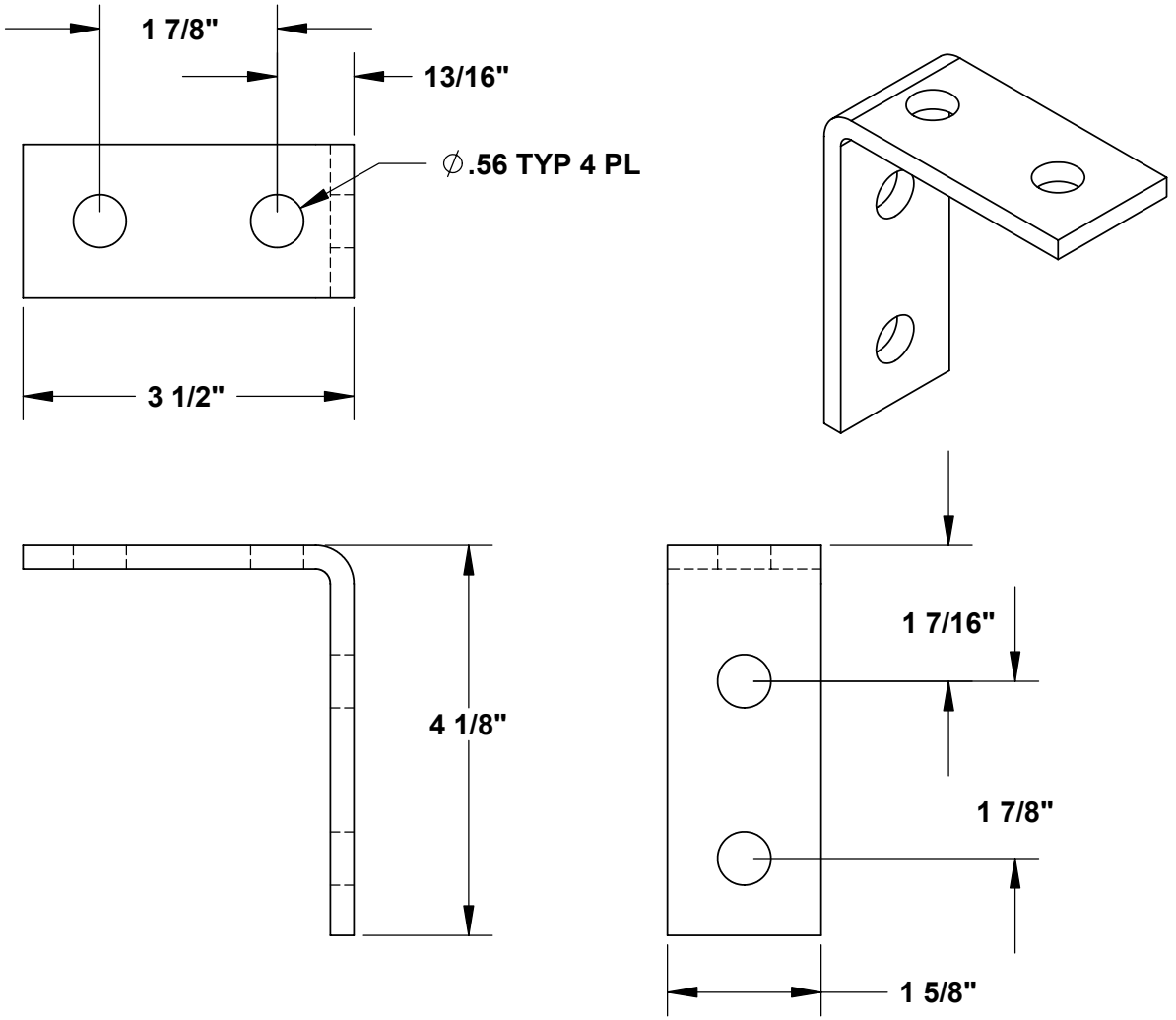
920 LEVICK ST , PHILA.,PA. 19111

STRUT ANGLE

A | P/N **316-2** | REV.

SCALE | CAD FILE: | SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

FRACTIONS	DECIMALS	ANGLES
+/- 1/8	.XX +/- .03 .XXX +/- .01	.XX + 1

MATERIAL

1/4 X 1-5/8 ZN PLATED STEEL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	

GREENFIELD MFG CO

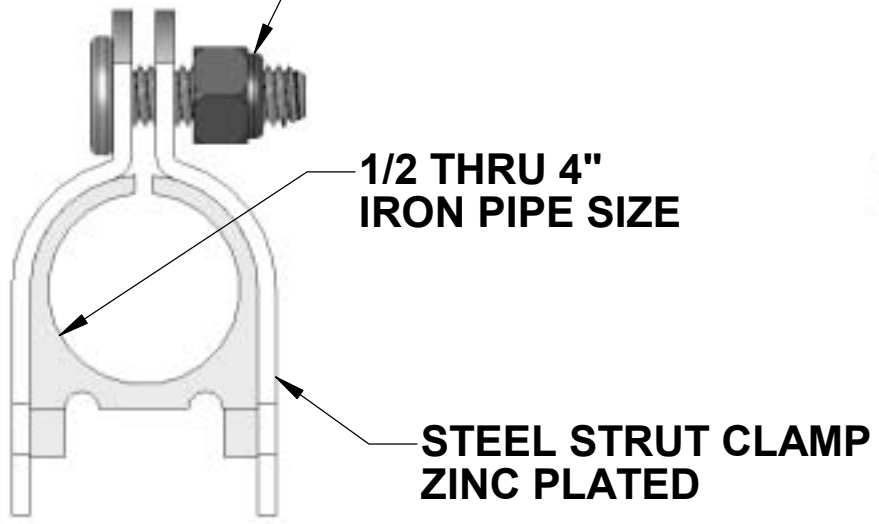
920 LEVICK ST , PHILA.,PA. 19111

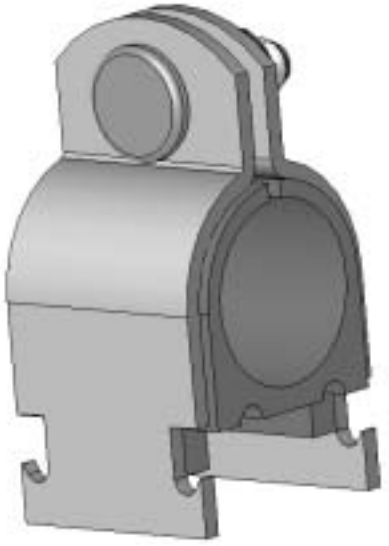
ANGLE BRACKET

	P/N	REV.
A	316-4	

SCALE | CAD FILE: | SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





MATERIAL	THERMOPLASTIC ELASTOMER
TENSIL STRENGTH	110 LBS./SQ. FT
SERVICE TEMP RANGE	-20 DEG F -> 350 DEG F
HEAT STABLIZATION	1 HOUR 45 MIN @ 356 DEG F
ELONGATION	250%

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
SEE TABLE

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	EG	8/13
CHECKED	SB	8/13

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

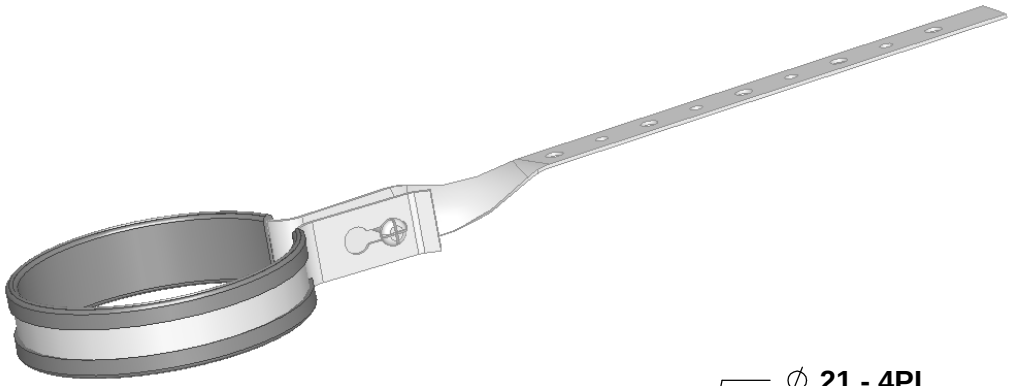
CUSHION CLAMP, IPS

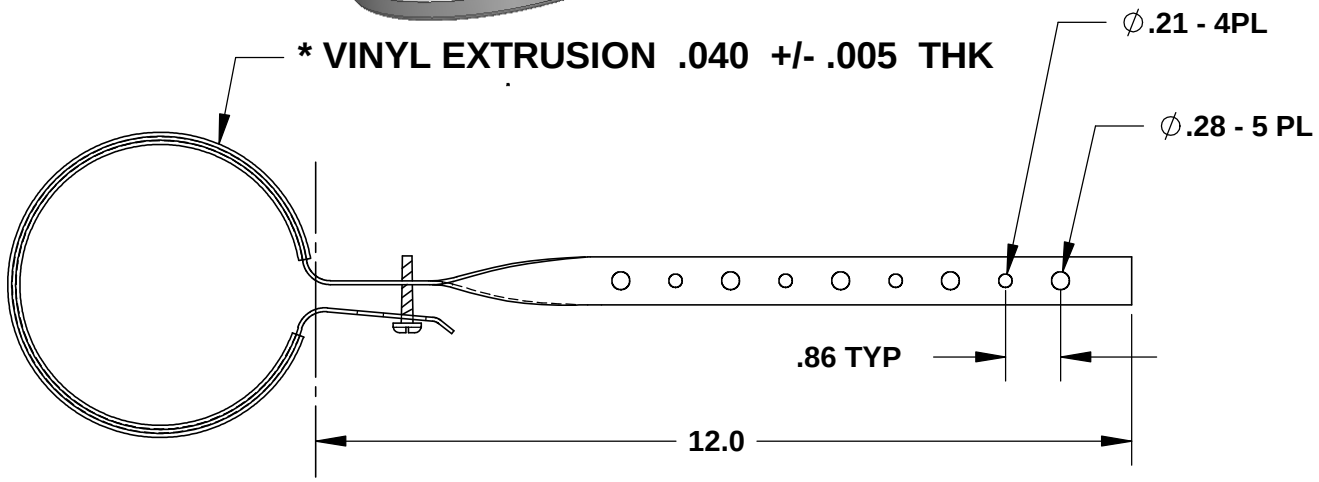
A P/N **FIG 317** REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.
© COPYRIGHT GREENFIELD MANUFACTURING 2007

MADE IN USA





SIZE	MATERIAL
1-1/2	18 GA X 0.75
2	18 GA X 0.75
3	16 GA X 0.75
4	16 GA X 0.75
6	16 GA X 0.75

MAX RECOMMENDED LOAD 150 LBS
MAX TEMPERATURE 150° F

* EXTRUSION COATING MATERIAL:
SYLVIN 8925-80
HARDNESS 80-90 A DUROMETER
TENSIL STRENGTH 2400
ELOGATION % 375

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL STEEL GALVANZED
FINISH --
DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	1/12
CHECKED SB	1/12

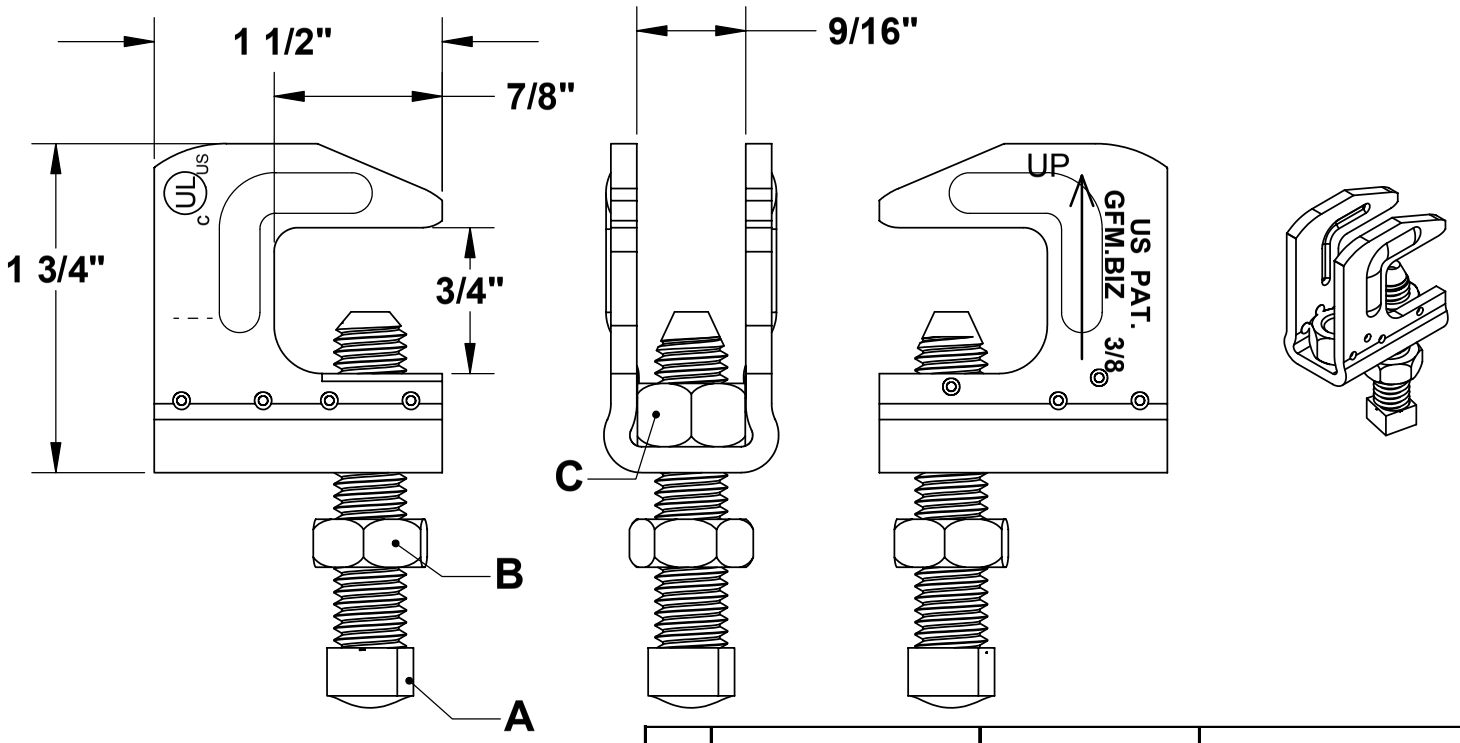
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

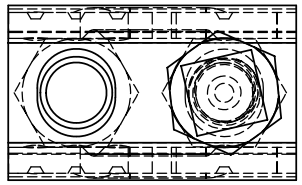
P/N **DWV COATED**
A **FIG 320** REV.
SCALE CAD FILE: FIG320W.SLD SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

11/17/17	EG	UPDATED MARKING ON PART

No changes made without notification to FM or UL





A	SQUARE HEAD CUP POINT SET SCREW	3/8-16 X 1-3/4	SAE J429 GR 2, Zinc Plated STEEL (1010 MIN.),Case Hrdn. To 15N80 @ .0032-.010 Dp.
B	JAM NUT	3/8-16	ANSI/ASME B18.2.2. Zinc-Plated Grade 2 Steel
C	HEX NUT X 2	3/8-16	ANSI/ASME B18.2.2. Zinc-Plated Grade 2 Steel

REC. SET SCREW TORQUE 60 IN-LBS.

MAX REC LOAD 400 LBS
182 KG

MADE IN USA

US PAT. 8,882,056

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/16 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
GALV STEEL .125 MIN
G90 PER ASTM A653A

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	11-17
CHECKED LB	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

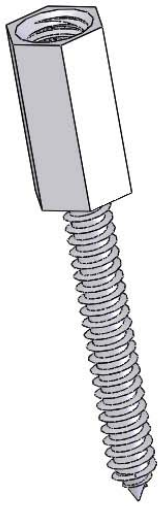
NUTTY BEAM CLAMP FOR 3/8 THREAD ROD

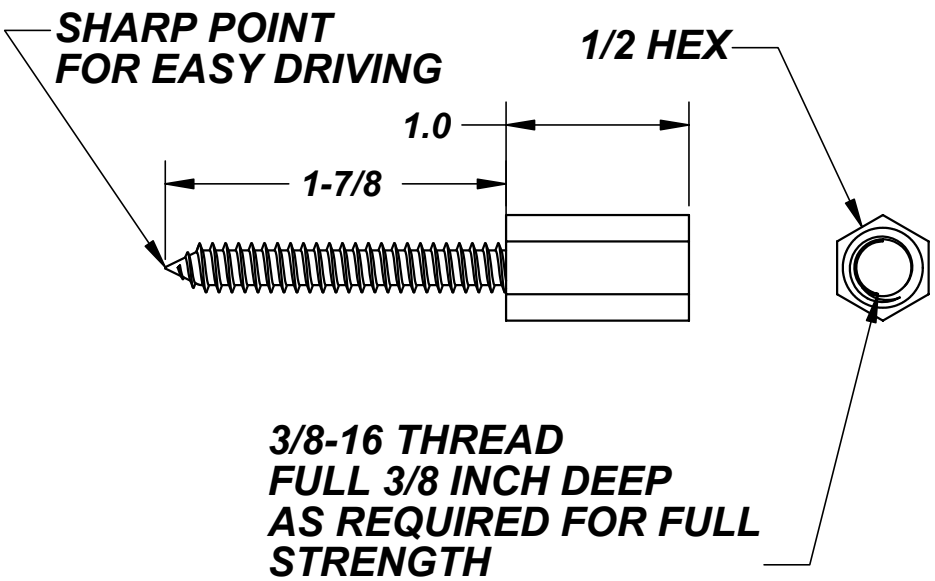
A P/N **325** REV **6**

SCALE 1:1 CAD FILE: **CLAMP12.7.SLDDRW** SHEET OF

STANLEY'S HANGER SCREW

FIG. 358

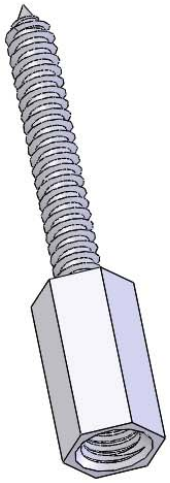




INSTALL WITH STANLEY'S NUT DRIVER FIG.359
PACKED 25 PER BOX
100/CTN WITH FREE DRIVER INCLUDED

- *MAXIMUM SAFE LOAD * 445 LBS*
- *DEEP FULLY THREADED 1/4" SHANK*
- *NO UNTHREADED SHOULDER*
- *30% MORE THREAD DEPTH THAN COMPARABLE PRODUCTS*

** DOUGLAS FIR*
TEST REPORTS AVAILABLE ON OUR WEBSITE GFM.BIZ



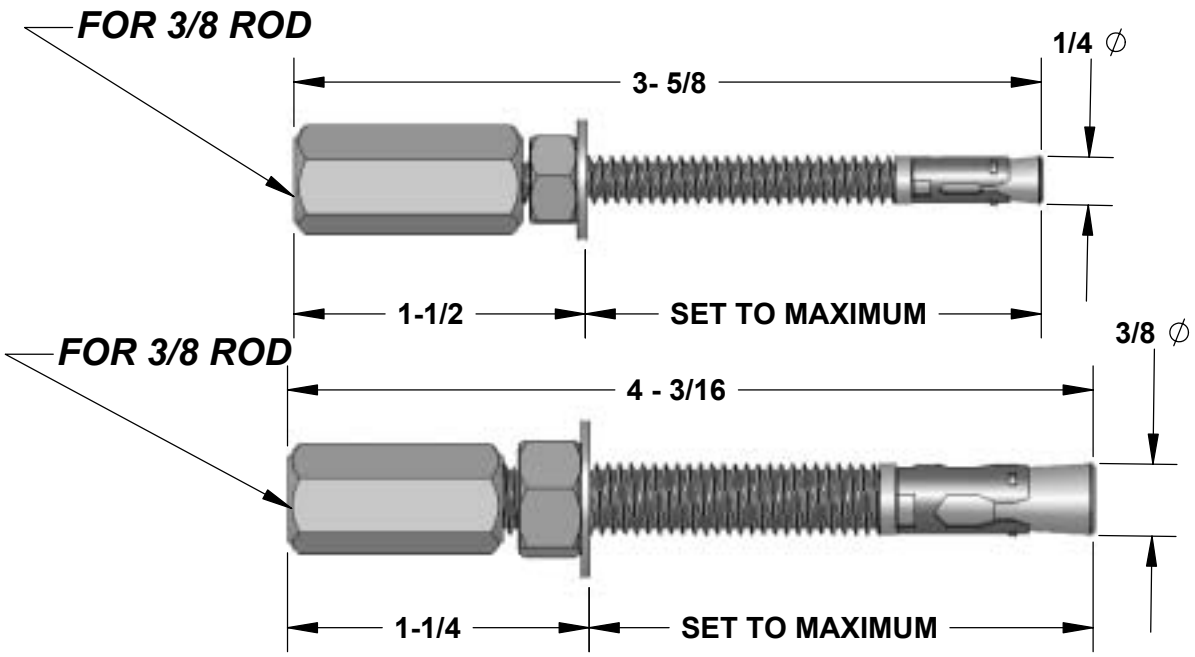
Greenfield MANUFACTURING CO., INC.

ELLIOTT'S HANGER ANCHOR

FOR CONCRETE CEILINGS

FIG. 360

PATENT PENDING



MAX SAFE LOAD (TENSION)		
FIG #	ANCHOR DIA	LOAD
360-14	1/4 INCH	210 LBS
360-38	3/8 INCH	500 LBS

BASED ON 2800/3500 PSI (200/250 KG/SCM) CONCRETE

INSTALLATION:

1. DRILL HOLE - 1/4 X 2-1/2 MIN DEPTH
- 3/8 X 2-3/4 MIN DEPTH

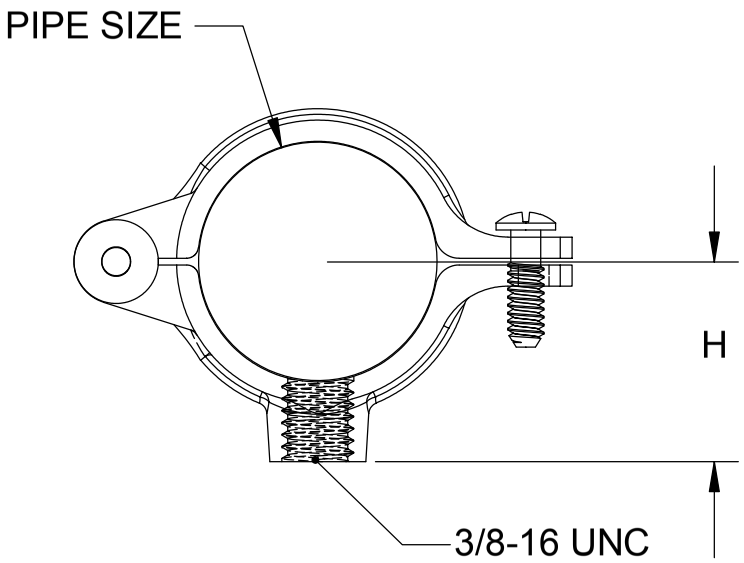
2. TAP ANCHOR INTO HOLE, EMBED TO MAX DEPTH

3. SECURE ANCHOR WITH 4-6 FULL TURNS OF NUT

Greenfield MANUFACTURING CO., INC.

920 LEVICK ST
PHILADELPHIA,PA 19111
WWW.GFM.BIZ

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



PIPE SIZE	H	WT / C APPROX	MAX REC LOAD LBS
3/8	0.69	10	180
1/2	0.82	10	180
3/4	0.94	12	180
1	1.06	14	180
1-1/4	1.23	19	180
1-1/2	1.31	21	180
2	1.62	30	180
2-1/2	1.93	55	300
3	2.38	80	300
4	2.87	110	300

IMPORTED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
DUCTILE IRON
ZINC PLATED FINISH

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	EG	4/18
CHECKED	LB	4/18

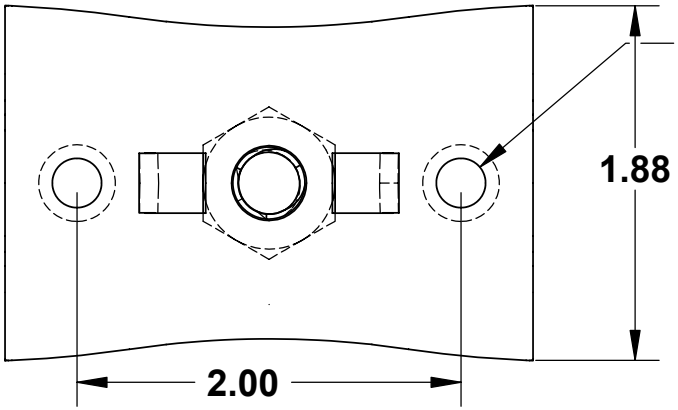
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

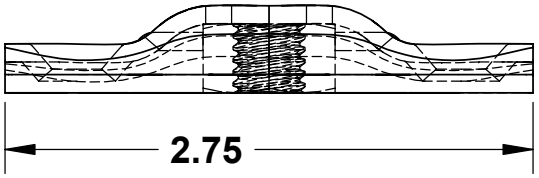
GALV SPLIT RING
IRON PIPE

A P/N FIG 385 REV.

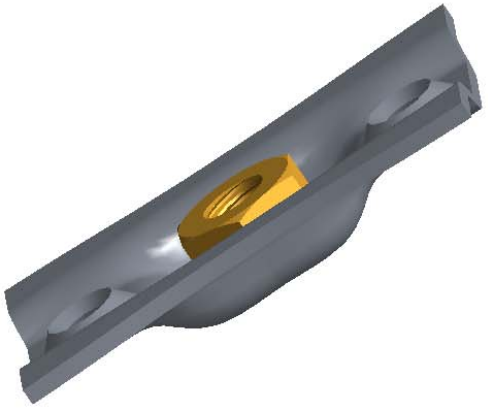
SCALE CAD FILE: 385.SLDDRW SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





HEAVY HEX NUT
ZINC PLATED
3/8- 16 UNC
FULLY CAPTIVATED

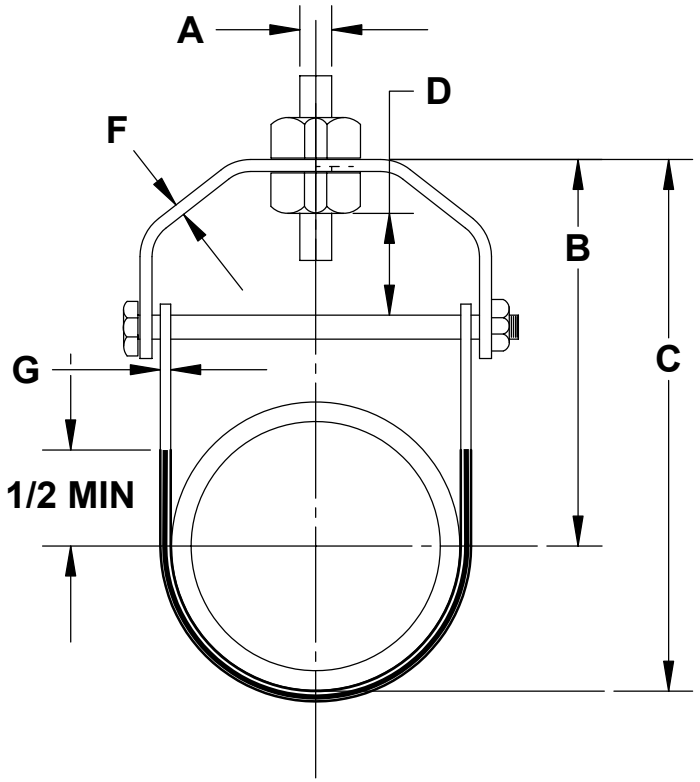


made in USA

SAFE WORKING LOAD
200 POUNDS LIMITED BY FASTENERS ATTACHED
PROOF TESTED AT 2000 LBS
TEST REPORTS AT WWW.GFM.BIZ

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	**GREENFIELD MFG CO** 920 LEVICK ST , PHILA.,PA. 19111
MATERIAL **13 GA. GALV STEEL**	APPROVALS / DATE DRAWN EG 9/12 CHECKED SB 9/12	**BOWTIE FLANGE PLATE**
DO NOT SCALE DRAWING		A P/N **FIG.389** REV.
		SCALE CAD FILE: **FIG 389 BOWTIE** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



Size	A	B	C	D	E	F-Top	G-Bottom	MAX REC LOAD (LBS)
1/2"	3/8"	1.5	2.0	0.62	1/4"	16ga x .75	18ga x .75	150
3/4"	3/8"	1.8	2.3	0.62	1/4"	16ga x .75	18ga x .75	200
1"	3/8"	2.2	2.8	0.88	1/4"	16ga x 1.0	18ga x 1.0	200
1.25"	3/8"	2.5	3.7	1.20	1/4"	16ga x 1.0	16ga x 1.0	200
1.5"	3/8"	2.8	4.0	1.20	1/4"	16ga x 1.0	16ga x 1.0	200
2"	3/8"	2.8	4.5	1.20	1/4"	14ga x 1.0	16ga x 1.0	250
2.5"	3/8"	3.8	6.0	2.00	1/4"	12ga x 1.0	14ga x 1.0	300
3"	3/8"	4.0	6.5	2.00	1/4"	12ga x 1.0	14ga x 1.0	300
4"	3/8"	4.7	7.0	2.00	5/16"	11ga x 1.25	14ga x 1.25	350
6"	3/4"	7.5	9.5	2.30	1/2"	3ga x 1.50	8ga x 1.50	800
8"	3/4"	8.8	10.5	2.30	9/16"	3ga x 1.75	8ga x 1.75	1500

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
11/15	

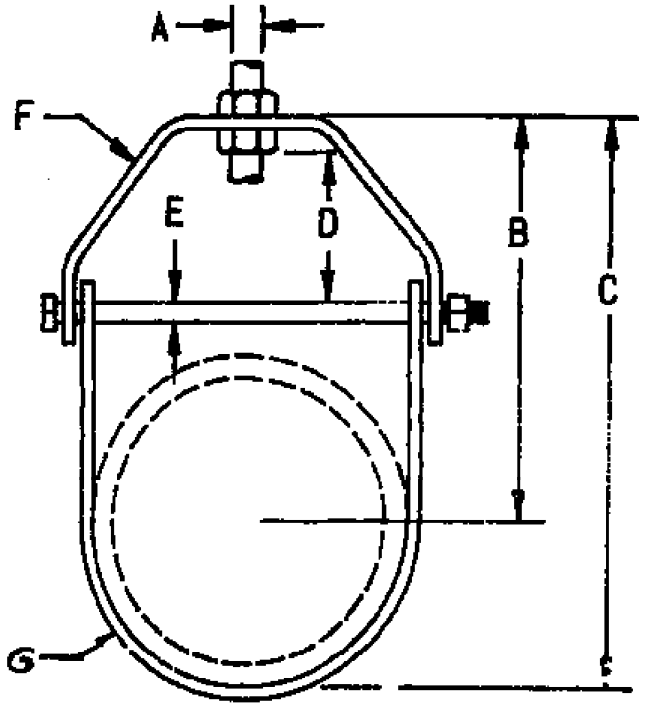
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

CLEVIS PLASTIC COATED

A P/N **FIG 404** REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.
COPYRIGHT 2009 .ALL RIGHTS RESERVED.



SIZE	A	B	C	D	E	F - TOP (MIN THK)	G - BOTTOM (MIN THK)	LOAD RATING
1/2	3/8	1.5	2.0	.62	1/4	18ga x .75 (.045)	18ga x .75 (.045)	150 LBS
3/4	3/8	1.5	2.0	.62	1/4	18ga x .75 (.045)	18ga x .75 (.045)	150 LBS
1	3/8	1.8	2.3	.62	1/4	18ga x .75 (.045)	18ga x .75 (.045)	150 LBS
1.25	3/8	2.2	2.8	.88	1/4	18ga x 1.0 (.050)	18ga x 1.0 (.045)	150 LBS
1.5	3/8	2.5	3.7	1.20	1/4	18ga x 1.0 (.050)	18ga x 1.0 (.045)	200 LBS
2	3/8	2.8	4.2	1.20	1/4	14ga x 1.0 (.068)	16ga x 1.0 (.060)	250 LBS
2.5	1/2	3.5	6.0	2.00	1/4	13ga x 1.0 (.080)	16ga x 1.0 (.060)	250 LBS
3	1/2	3.8	6.2	2.00	1/4	13ga x 1.0 (.080)	16ga x 1.0 (.060)	250 LBS
4	1/2	4.2	6.6	2.00	5/16	11ga x 1.25 (.110)	14ga x 1.25 (.070)	300 LBS
5	5/8	5.0	7.7	2.00	3/8	8ga x1.25 (.160)	8ga x1.25 (.130)	500 LBS
6	5/8	5.7	9.0	2.00	3/8	8ga x1.25 (.160)	8ga x1.25 (.130)	500 LBS

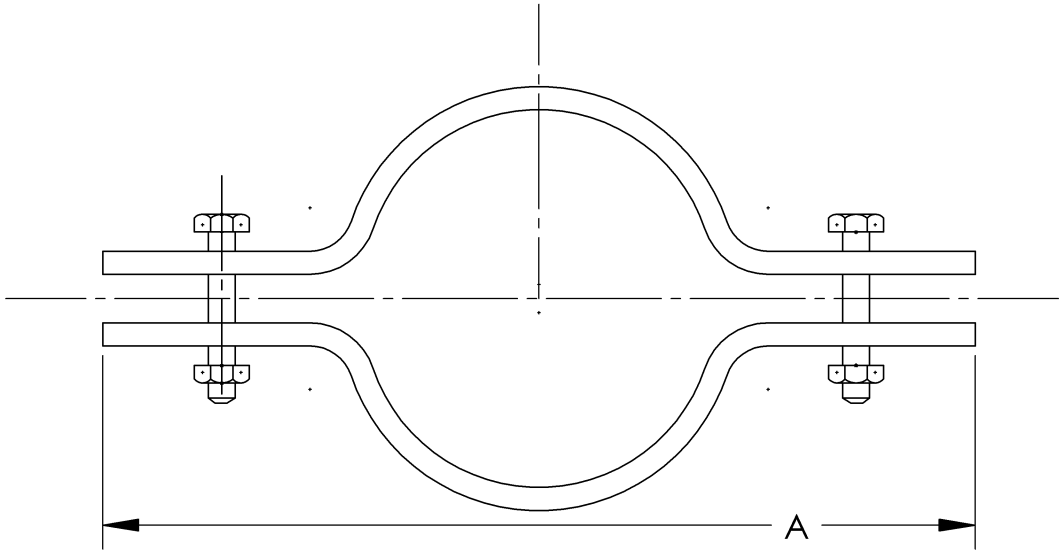
COMPLIES WITH MSS SP-58 AND SP-69 TY-1

made in USA

Greenfield Mfg Co Inc

920 Levick Street, Philadelphia PA. 19111-5498

Material Steel	**Clevis - Copper Tube**
Finish COPPER PLATED	**FIG. NO: 406** **REV D 3/18**



SIZE	A	STOCK	BOLT
1/2	7.0	1/8 X 1	1/4 X 1
3/4	7.0	1/8 X 1	1/4 X 1
1	9.0	1/8 X 1	1/4 X 1
1-1/4	9.5	1/8 X 1	1/4 X 1
1-1/2	10.0	1/8 X 1	1/4 X 1
2	10.5	1/8 X 1-1/4	5/16 X 1-1/4
2-1/2	11.0	5/32 X 1	3/8 X 1-1/4
3	11.5	5/32 X 1	3/8 X 1-1/4
4	13.0	1/8 X 1-1/2	3/8 X 1-1/4
5	14.0	1/4 X 1-1/4	7/16 X 1-1/2
6	15.5	1/4 X 1-1/4	7/16 X 1-1/2

COMPLIES WITH MANUFACTURERS STANDARDIZATION SOCIETY MSS-SP-69 TY 8, WWW-H-171E TY 8

Made in USA

MATERIAL

CQ STEEL

FINISH

COPPER PLATE

TOLERANCES
XXX
XX
FR

Dr. EG
Chk. SB
Appr. sb
Date

9/24/02

Greenfield Mfg Co

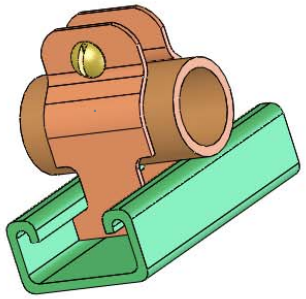
920 Levick St , Phila.,Pa. 19111-5498

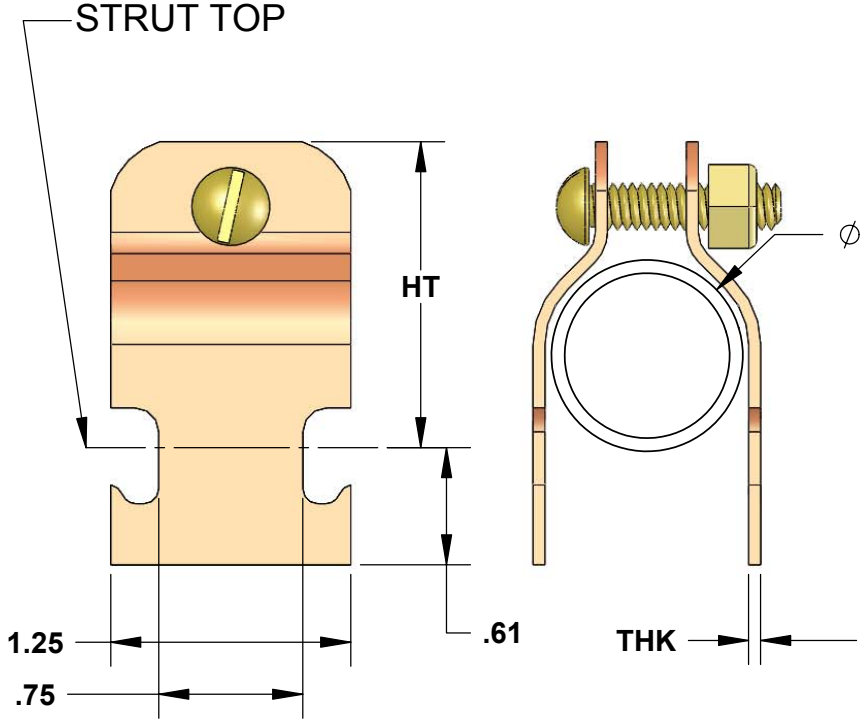
RISER -COPPER TUBE

FSCM 98320

P/N FIG - 410

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





TUBE SIZE	THK	HT	BOLT & NUT
1/2	16 GA	1.4	1/4 X 1
3/4	16 GA	1.6	1/4 X 1
1	16 GA	1.8	1/4 X 1
1-1/4	16 GA	2.4	1/4 X 1
1-1/2	14 GA	2.5	1/4 X 1
2	14 GA	3.0	1/4 X 1
2-1/2	12 GA	3.7	5/16 x 1-1/4
3	12 GA	4.4	5/16 x 1-1/4
3-1/2	11 GA	4.9	5/16 x 1-1/4
4	11 GA	5.4	5/16 x 1-1/4

FIG411.SLDDRW

Made in USA

MATERIAL STEEL

FINISH
COPPER PLATED

TOLERANCES
XXX
XX
FR

Dr. EG
Chk. SB
Appr. sb
Date
3/09

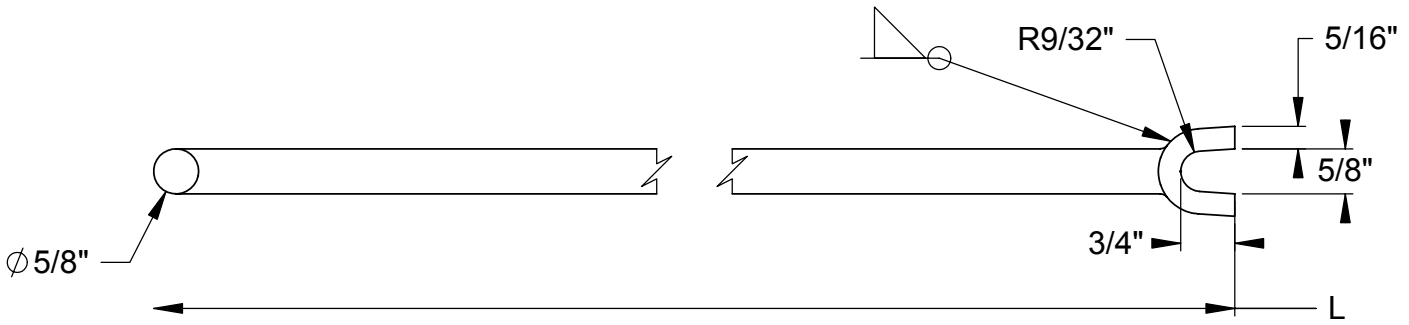
Greenfield Mfg Co
920 Levick St , Philadelphia ,Pa. 19111-5498

STRUT CLAMP FOR COPPER TUBE

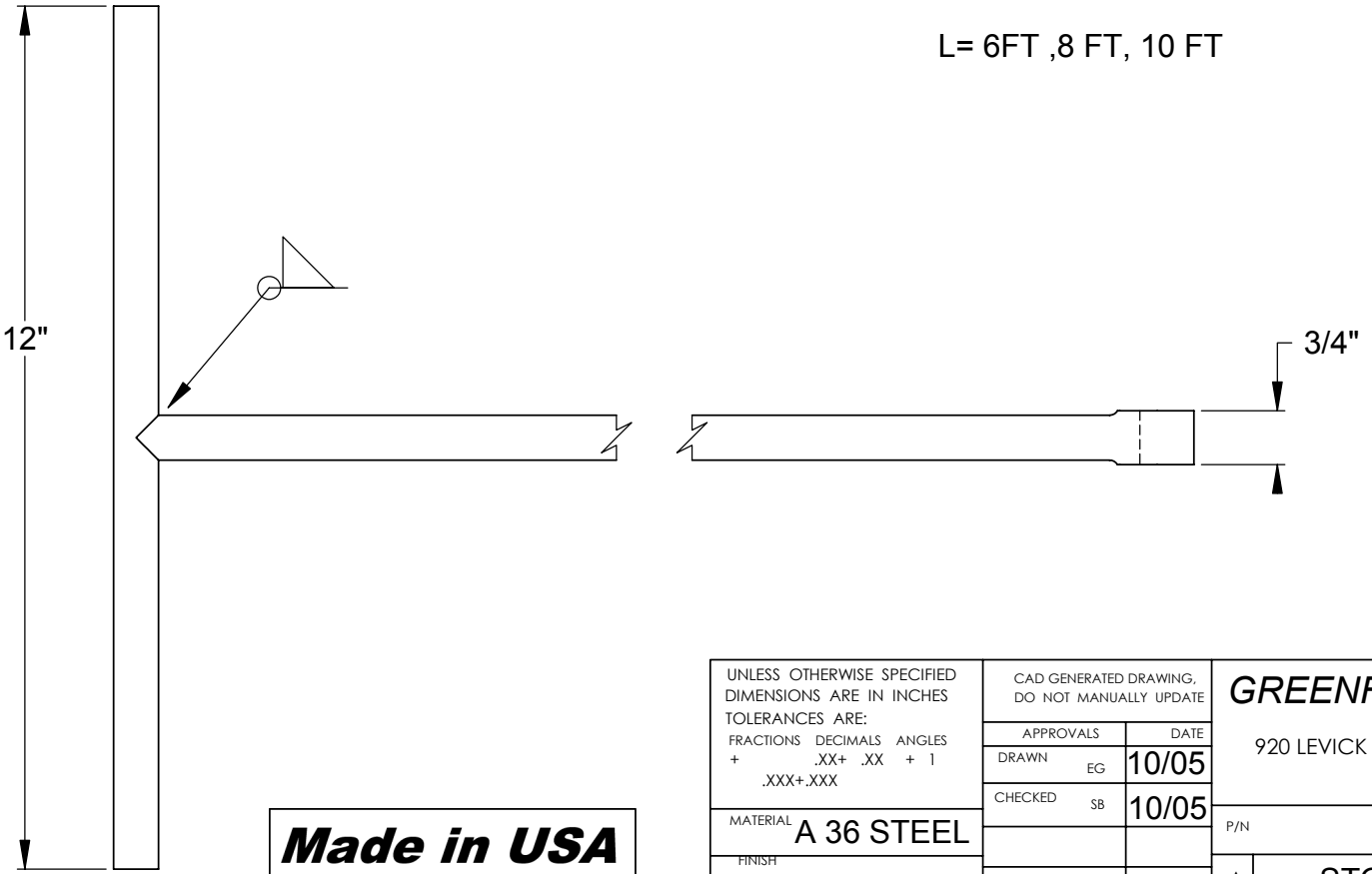
FSCM 98320

FIG. 411

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



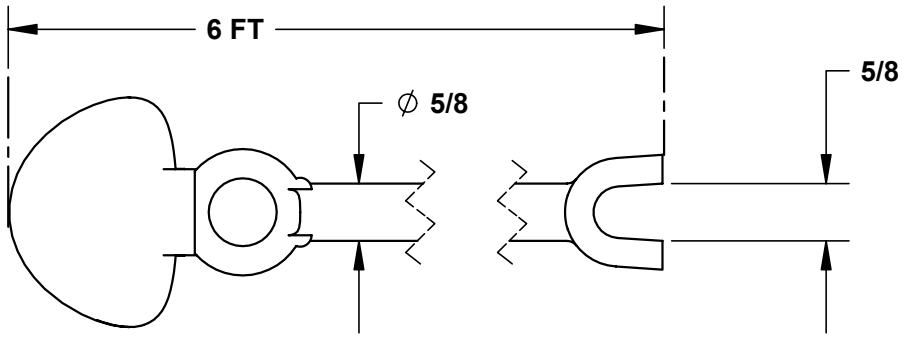
L= 6FT ,8 FT, 10 FT

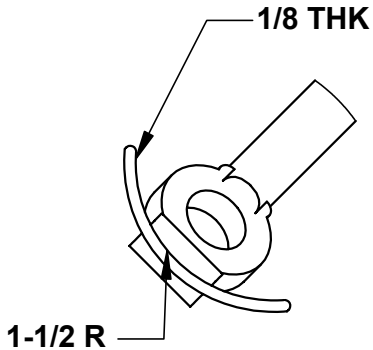


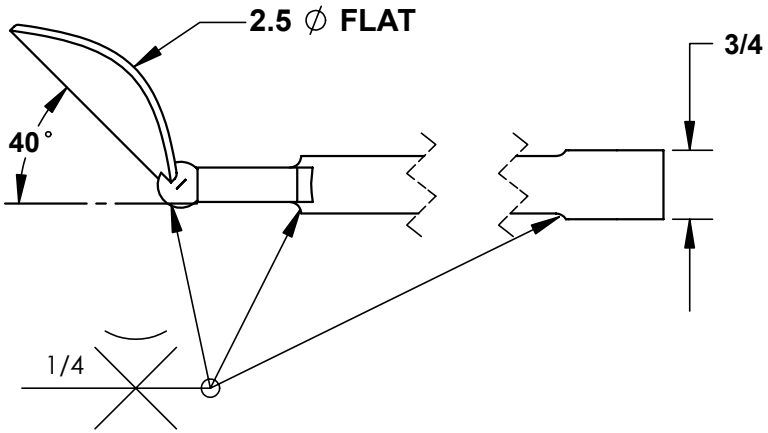
Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX+ .XX + 1 .XXX+.XXX	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	**GREENFIELD MFG CO**
	APPROVALS / DATE	920 LEVICK ST , PHILA.,PA. 19111
	DRAWN EG 10/05	
	CHECKED SB 10/05	
MATERIAL A 36 STEEL		P/N **Fig. 413**
FINISH --		A STOP KEY REV.
DO NOT SCALE DRAWING		SCALE CAD FILE: FIG 413 SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.







UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX+ .XX + 1 .XXX+.XXX	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	**GREENFIELD MFG CO**	
	APPROVALS / DATE	*920 LEVICK ST , PHILA.,PA. 19111*	
	DRAWN EG 1/11		
	CHECKED SB	P/N FIG 414	
MATERIAL STEEL A36		A SPOON KEY	REV.
FINISH --			
DO NOT SCALE DRAWING		SCALE CAD FILE:	SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

PART NUMBER	LENGTH
415 - 6	72 IN
415 - 8	96 IN
415 - 10	120 IN

MADE IN USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL **STEEL**

FINISH NONE

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	6-17
CHECKED SB	

GREENFIELD MFG CO

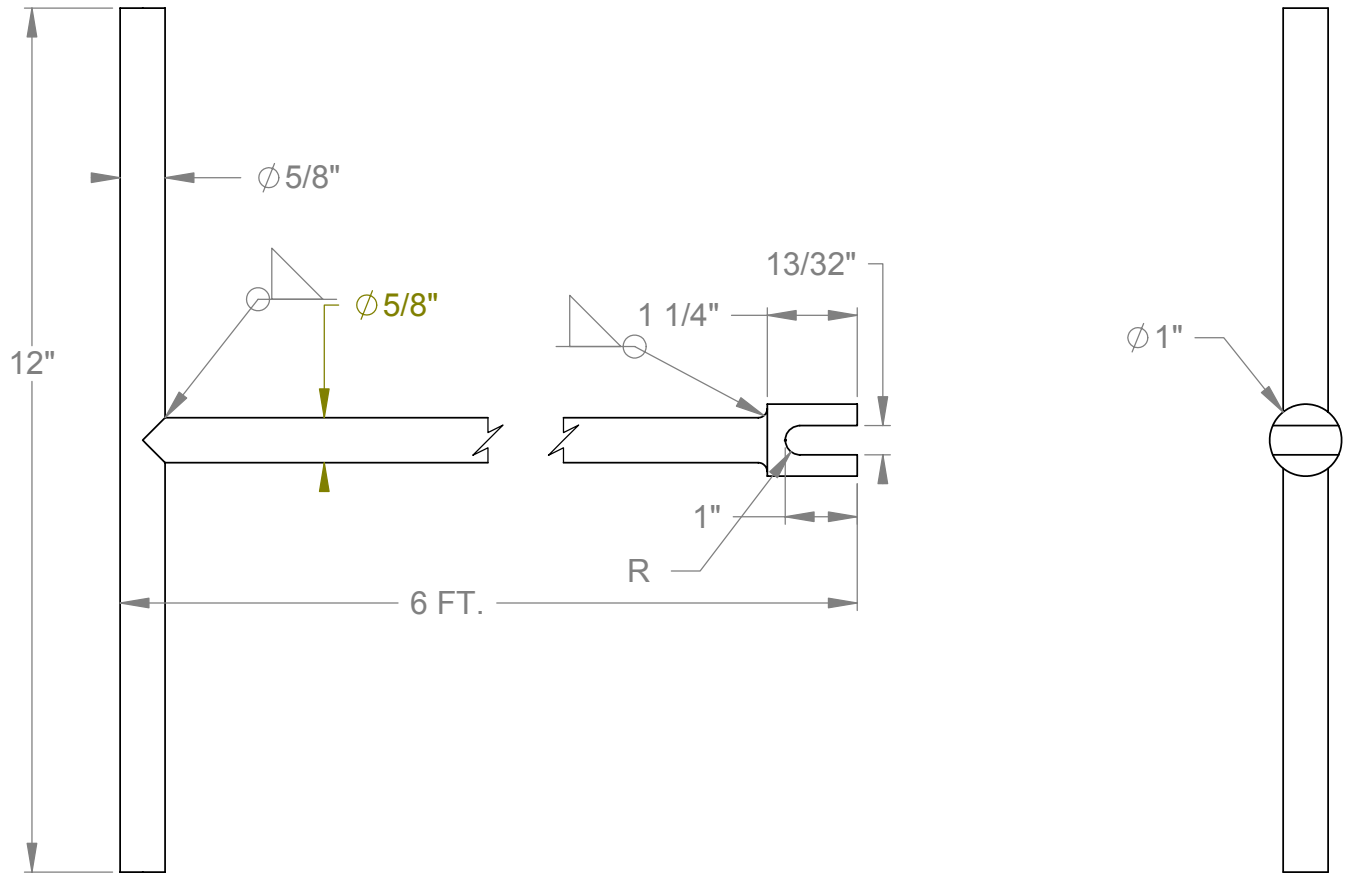
920 LEVICK ST , PHILA.,PA. 19111

P/N **FIG. 415**

A **GRAPPLER** REV.

SCALE CAD FILE: SHEET 1 OF 1

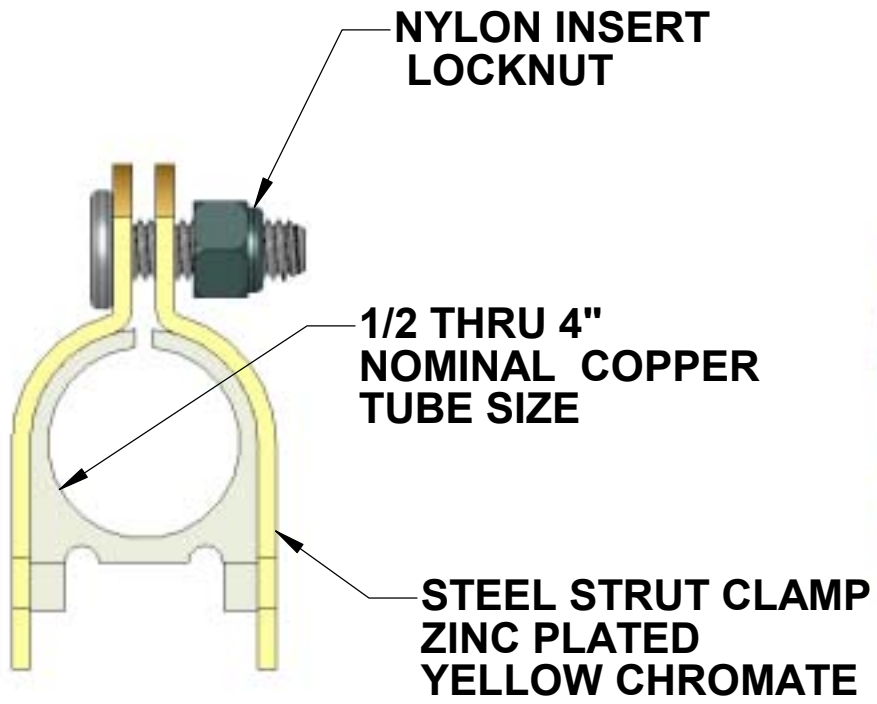
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

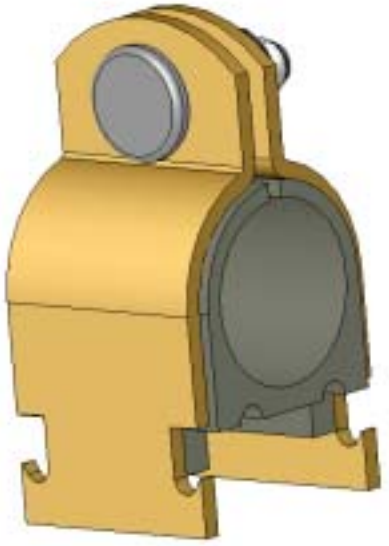


Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX+ .XX + 1 .XXX+.XXX	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	GREENFIELD MFG CO
	APPROVALS / DATE	920 LEVICK ST , PHILA.,PA. 19111
	DRAWN EG 12/01	
	CHECKED SB 12/01	
MATERIAL A 36 STEEL		P/N FIG 416
FINISH --		A STOP KEY MUELLER TYPE REV.
DO NOT SCALE DRAWING		SCALE CAD FILE: FIG416 SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





MATERIAL	THERMOPLASTIC ELASTOMER
TENSIL STRENGTH	110 LBS./SQ. FT
SERVICE TEMP RANGE	-20 DEG F -> 350 DEG F
HEAT STABLIZATION	1 HOUR 45 MIN @ 356 DEG F
ELONGATION	250%

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
SEE TABLE

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

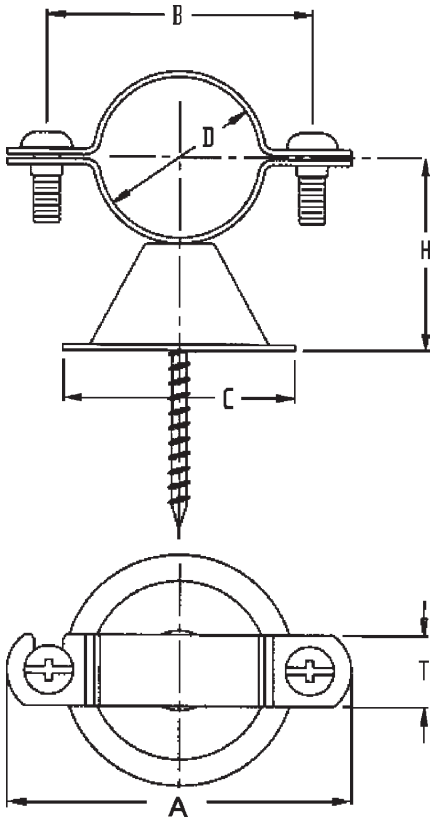
APPROVALS		DATE
DRAWN	EG	8/13
CHECKED	SB	8/13

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

CUSHION CLAMP, CT

A P/N **FIG 417** REV.

SCALE CAD FILE: SHEET OF



TUBE SIZE	TUBE OD	A	B	C	H	T	WGT EACH (lbs)
1/2	0.625	2 3/16	1 9/16	1 5/8	1 1/16	1/2	0.06
3/4	0.875	2 3/8	1 3/4	1 5/8	1 3/16	1/2	0.06
1	1.125	2 7/16	1 7/8	1 5/8	1 5/16	1/2	0.06

MATERIAL

STEEL

FINISH

COPPER PLATED

DO NOT SCALE DRAWING

Greenfield Mfg Co Inc

920 Levick St. Philadelphia, PA 19111-5498

Dr. EG
Chk. SB
Appr. sb

1/5/05
EG

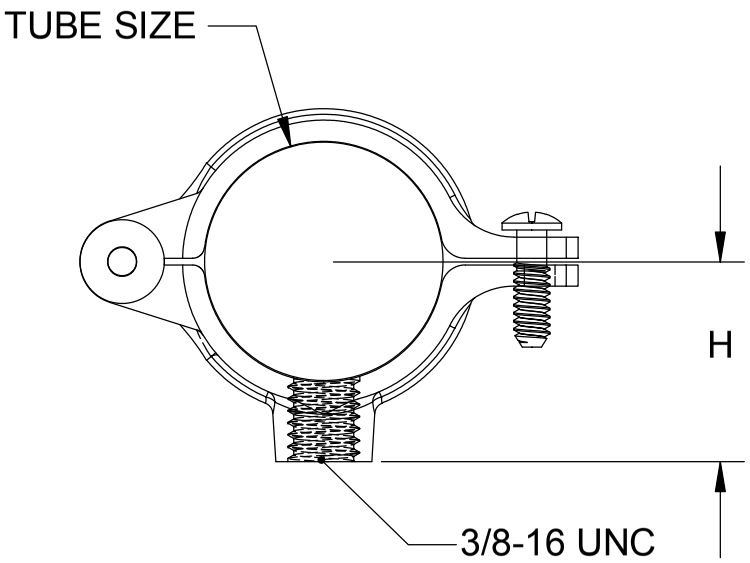
BELL HANGER

A P/N **FIG 430**

FSCM 98320

FILE: FIG 430.PMD

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



TUBE SIZE	H	WT / C APPROX	MAX REC LOAD LBS
3/8	0.69	10	180
1/2	0.82	10	180
3/4	0.94	12	180
1	1.06	14	180
1-1/4	1.23	19	180
1-1/2	1.31	21	180
2	1.62	30	180
2-1/2	1.93	55	300
3	2.38	80	300
4	2.87	110	300

IMPORTED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
DUCTILE IRON
COPPER EPOXY COATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	4/18
CHECKED LB	4/18

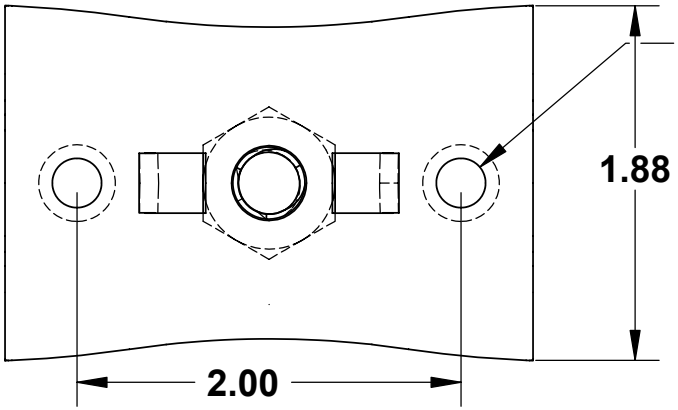
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

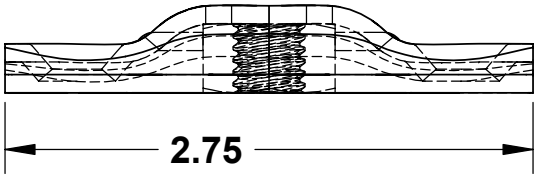
COPPER SPLIT RING FOR TUBING

A | P/N FIG 485 | REV.

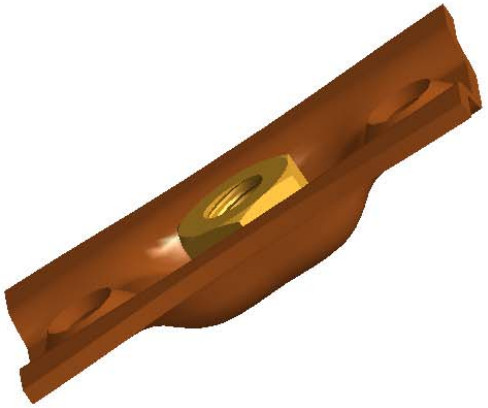
SCALE | CAD FILE: 485.SLDDRW | SHEET OF

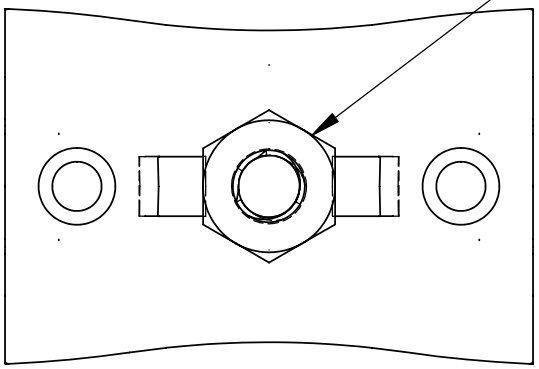
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





HEAVY HEX NUT
COPPER PLATED
3/8 - 16 UNC
FULLY CAPTIVATED





made in USA

SAFE WORKING LOAD
200 POUNDS LIMITED BY FASTENERS ATTACHED
PROOF TESTED AT 2000 LBS
TEST REPORTS AT WWW.GFM.BIZ

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
13 GA. HR/CR STEEL COPPER PLATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	EG	2/13
CHECKED	SB	2/13

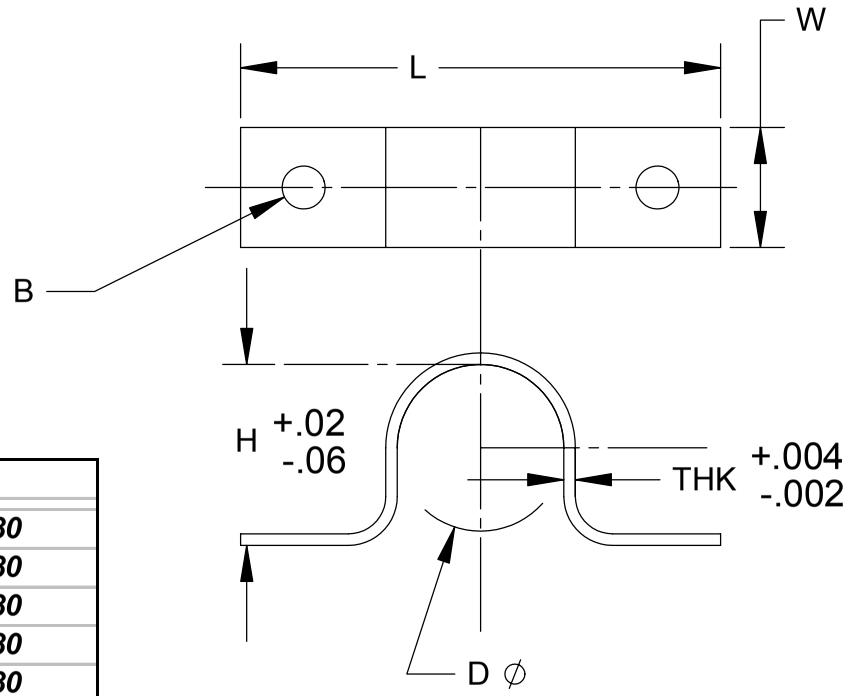
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

BOWTIE FLANGE PLATE

A | P/N **FIG.489** | REV.

SCALE | CAD FILE: **BOWTIE489** | SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



SIZE	D	H	THK	W	L	B
1/4	.37	.38	.020	0.50	1-5/8	.180
3/8	.50	.50	.020	0.50	1-13/16	.180
1/2	.62	.62	.020	0.50	1-15/16	.180
3/4	.87	.88	.020	0.50	2-1/4	.180
1	1.12	1.12	.020	0.62	2-3/4	.180
1-1/4	1.37	1.38	.021	0.75	2-5/8	.180
1-1/2	1.62	1.62	.021	0.75	2-7/8	.180
2	2.12	2.12	.021	0.75	3-3/8	.180

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS
+ /- 1/8 .XX +/-.03 .
.XXX +/- .010

MATERIAL
STEEL
COPPER PLATED

DO NOT SCALE DRAWING

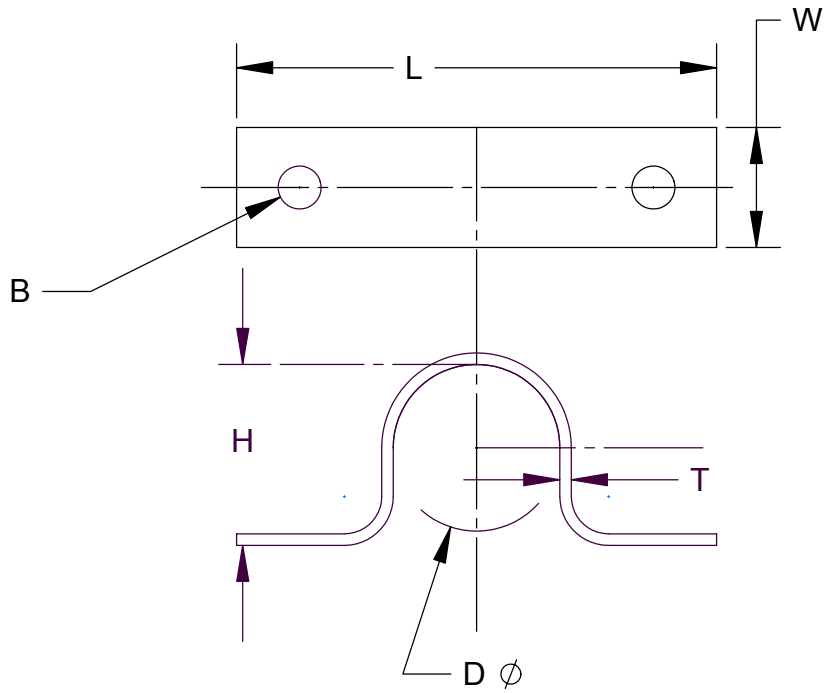
CAD GENERATED DRAWING,
DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
10/17	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N TUBE STRAP
A FIG 500 REV.
SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



SIZE	D	H	T-THK	W	L	B
1/2	.625	.62	.030	.500	1-15/16	.180
3/4	.875	.88	.030	.500	2-1/4	.180
1	1.125	1.12	.030	.750	2-3/4	.180

Made in USA

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES +/- 2

MATERIAL STEEL 20 GA

FINISH COPPER PLATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	

GREENFIELD MFG CO

920 LEVICK ST , PHILA.,PA. 19111

P/N TUBE STRAP - HEAVY

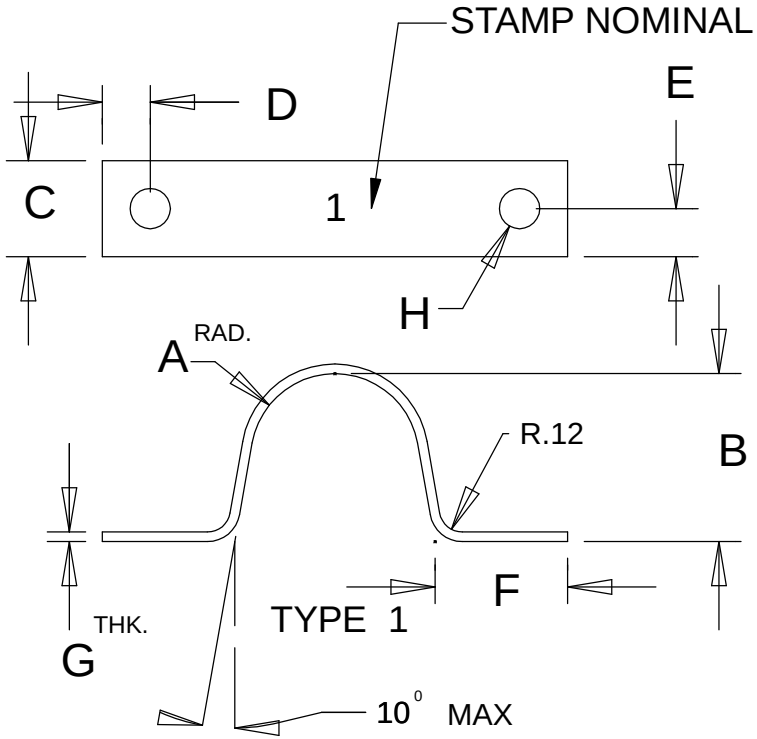
A FIG 502 REV.

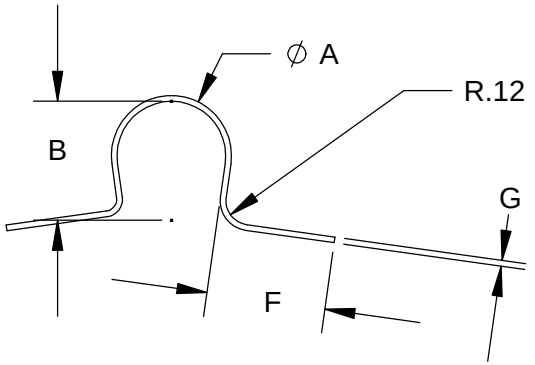
SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

made in USA

NOM SIZE	TUBE O.D.	A RAD	B HT.	C WIDTH	D	E	F	G THK.	H DIA.	TYPE
1/8	0.25	0.13	0.21	0.38	0.19	0.19	0.50	0.030	0.018	1
1/4	0.38	0.19	0.34	0.38	0.23	0.19	0.50	0.030	0.018	1
3/8	0.50	0.25	0.46	0.38	0.25	0.19	0.63	0.030	0.018	1
1/2	0.62	0.31	0.54	0.50	0.25	0.25	0.63	0.030	0.018	2
3/4	0.87	0.44	0.81	0.50	0.25	0.25	0.63	0.030	0.018	2
1	1.13	0.56	1.09	0.50	0.25	0.25	0.63	0.040	0.021	1
1-1/4	1.38	0.69	1.34	0.50	0.25	0.25	0.63	0.040	0.021	1
1-1/2	1.63	0.81	1.59	0.50	0.25	0.25	0.63	0.040	0.021	1
2	2.12	1.06	2.09	0.50	0.25	0.25	0.63	0.040	0.021	1

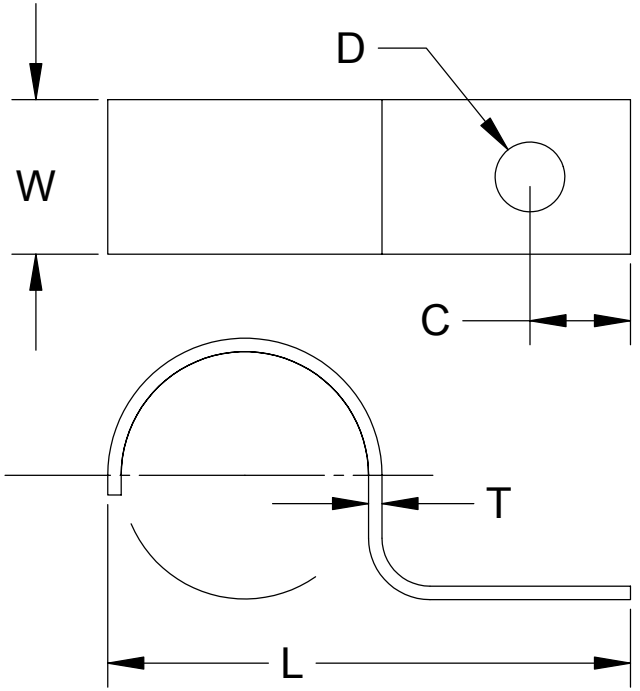




TYPE 2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX+ .XX + 1 .XXX+.XXX	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	GREENFIELD MFG CO
	APPROVALS / DATE	920 LEVICK ST , PHILA.,PA. 19111
	DRAWN EG 5/12	
	CHECKED SB	P/N TUBE STRAP,PURE COPPER
MATERIAL COPPER ALLOY 110 HALF HARD		A FIG #503 REV. C
DO NOT SCALE DRAWING		SCALE CAD FILE: 503 REV C SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



SIZE	Tube OD	Gage T	Width W	Hole D	Length L	C
1/8	.25	16	.62	.19	1.09	.32
1/4	.375	16	.62	.19	1.12	.35
3/8	.50	16	.62	.28	1.32	.35
1/2	.625	16	.62	.28	1.56	.35
3/4	.875	16	.75	.28	2.32	.88
1	1.125	14	.75	.28	2.50	.50
1-1/4	1.375	14	1.00	.28	3.31	1.18
1-1/2	1.625	14	1.00	.31	3.75	1.18
2	2.125	13	1.25	.38	4.62	1.18

Made in USA

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL CQ
COPPER PLATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
rev 3/06	

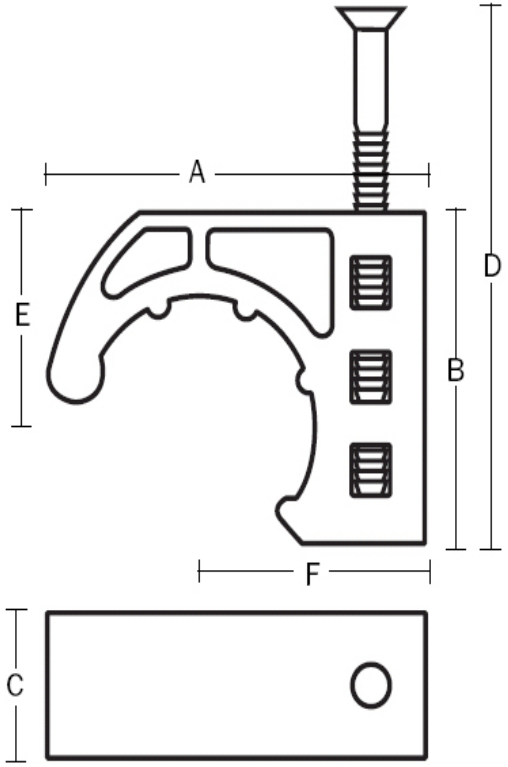
GREENFIELD MFG CO

920 LEVICK ST , PHILA.,PA. 19111

P/N STRAP,ONE HOLE -CT

A FIG 510 REV.

SCALE CAD FILE: SHEET OF



	1/2	3/4	1
A:	1.125	1.375	1.6875
B:	0.875	1.1875	1.4375
C:	0.375	0.4375	0.5
D:	1.625	2.125	2.375
E:	0.5625	0.75	0.9063
F:	0.6563	0.75	0.9375

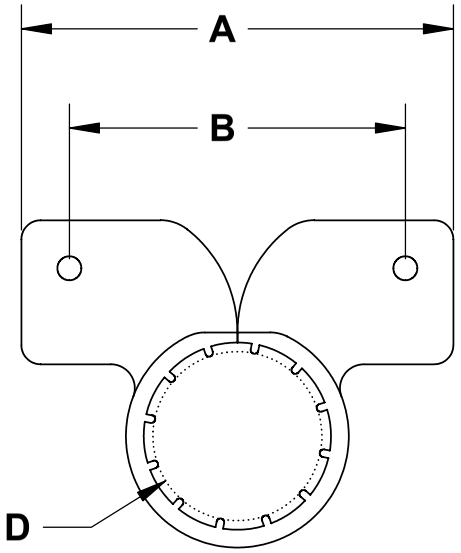
MAXIMUM LOAD RATING:
1/2 COPPER TUBE SIZE: 5 lbs.
3/4 COPPER TUBE SIZE: 8 lbs.
1 COPPER TUBE SIZE: 12 lbs.

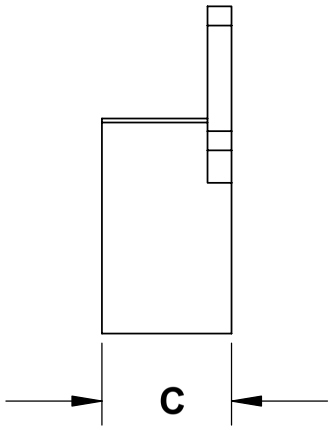
Made in USA

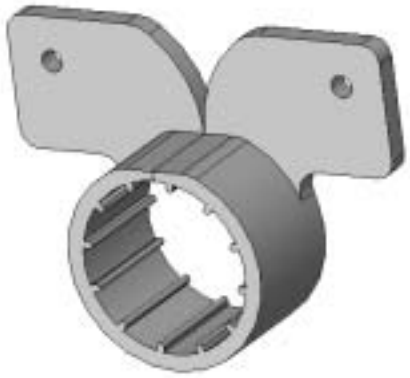
MATERIALS:
FASTENER BODY: High density black polyethylene; 100% corrosion proof; U.V. resistant; Impact resistant to 0 oF; Max temp: 160 oF continuous.
NAIL: Rust resistant; zinc plated yellow irradite; Continuous ring shank.

MATERIAL SEE NOTE	***Greenfield Mfg Co Inc*** 920 Levick St. Philadelphia, PA 19111-5498	
FINISH SEE NOTE	**Dr. EG** **Chk. SB** **Appr. sb**	**HALF CLAMP** **A** P/N **FIG 511**
DO NOT SCALE DRAWING	1/5/05 EG	**FSCM 98320** **FILE: FIG 511.PMD**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.







SIZE	A	B	C	D-DIA
1/2	1-15/16	1-1/2	3/4	0.62
3/4	1-15/16	1-7/16	3/4	0.87
1	2-3/8	1-5/8	3/4	1.12
1-1/4	2-15/16	2-1/4	7/8	1.37
1-1/2	2-15/16	2-3/8	1	1.62
2	3-1/2	2-5/16	1	2.12

MATERIAL
HIGH IMPACT POLYPROPYLENE
TEMP 0 ° F TO 160 °F

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
SEE NOTE

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	11/2017
CHECKED SB	

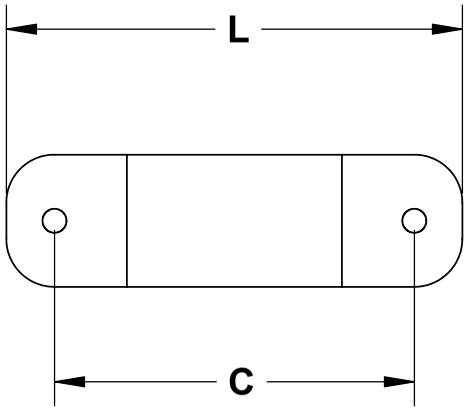
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

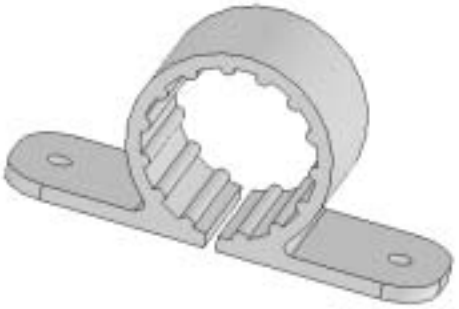
SUSPENSION CLAMP

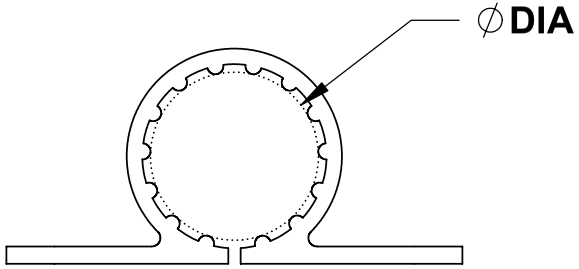
A P/N **FIG 515** REV.

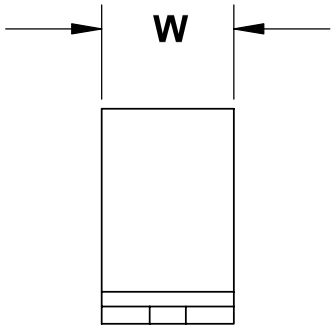
SCALE CAD FILE: **515 SUS.SLDRAW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.









SIZE	DIA	L	C	W
1/2	0.62	2-1/8	1-5/8	11/16
3/4	0.88	2-3/8	1-1/2	11/16
1	1.06	2-3/4	2-3/8	3/4
1-1/4	1.38	2-13/16	2-3/8	13/16
1-1/2	1.62	3-1/8	2-3/8	7/8
2	2.12	3-1/2	3-1/8	1

MATERIAL: HIGH IMPACT POLYPROPYLENE
TEMP 0°F TO 160°F

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
SEE NOTE

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	11/2017
CHECKED SB	

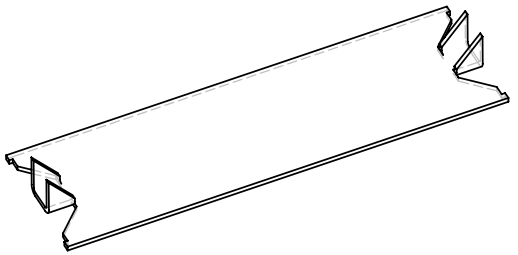
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

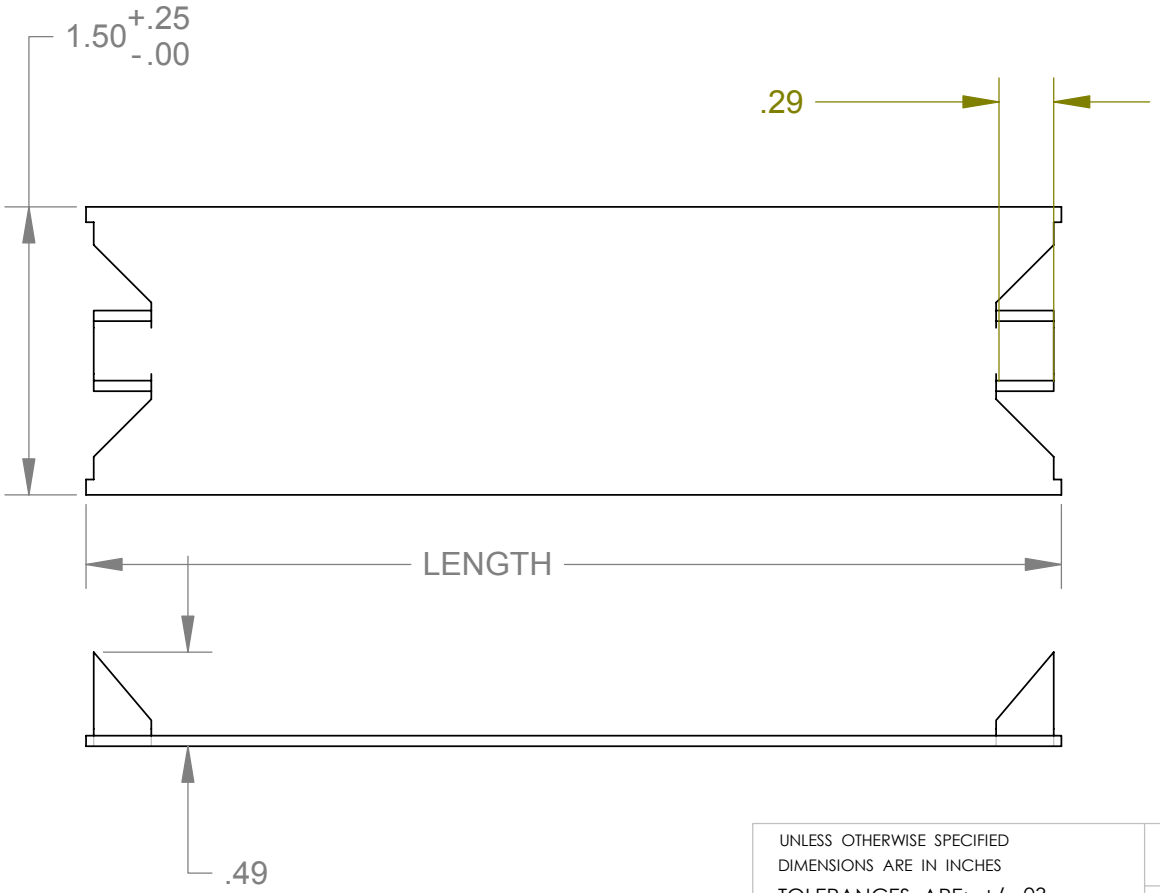
TUBE CLAMP

A P/N **FIG 517** REV.

SCALE CAD FILE: **517.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





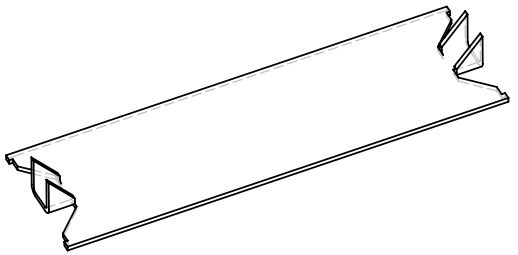
LENGTHS AVAILABLE = 3, 5, 6

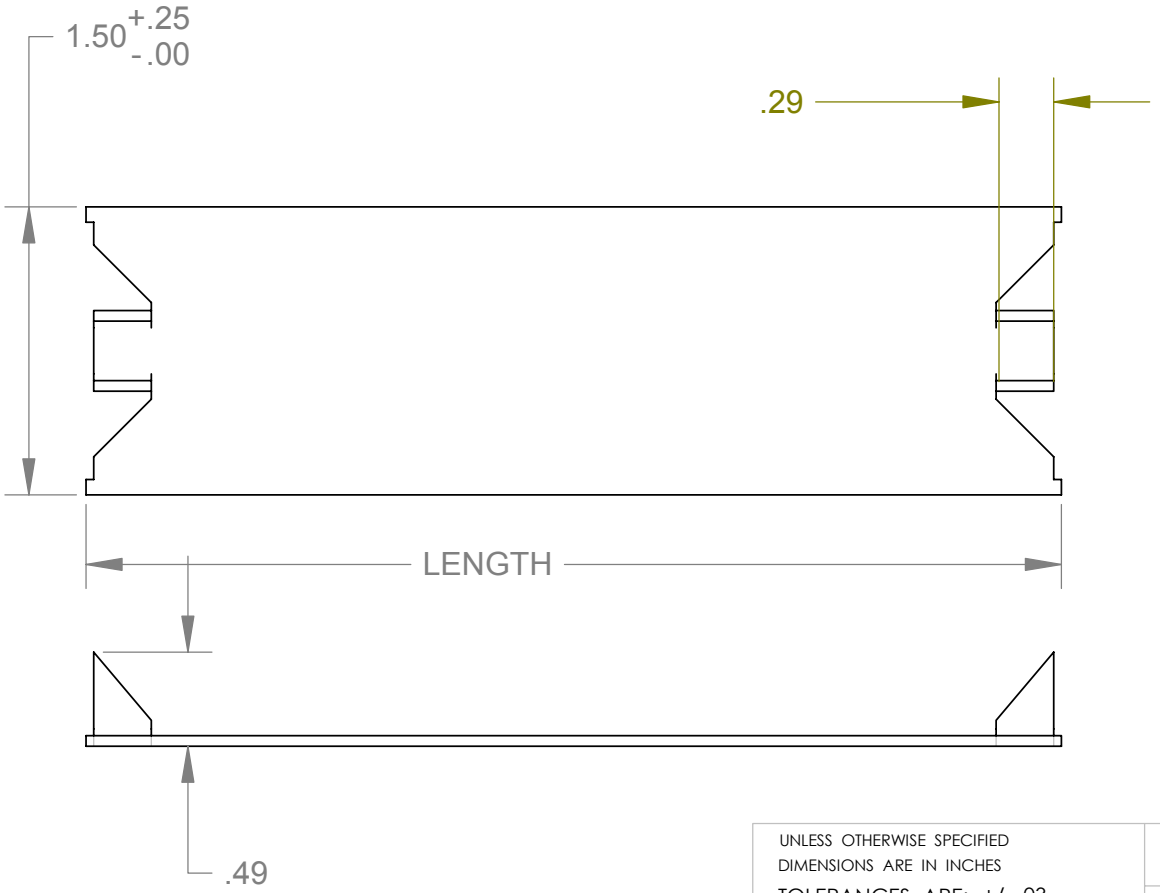
P/N= 530 - LENGTH
EXAMPLE: 530 - 6
FOR 6 INCH PART

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: +/- .03	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE APPROVALS / DATE DRAWN EG CHECKED SB	GREENFIELD MFG CO 920 LEVICK ST , PHILA.,PA. 19111
MATERIAL 18 GA .043 MIN FINISH		P/N STUD GUARD A FIG 530 REV.
DO NOT SCALE DRAWING		SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





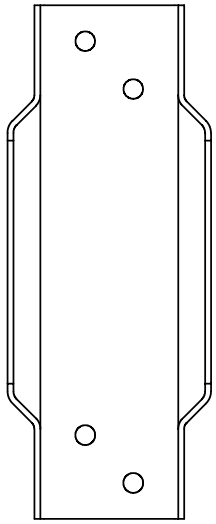
LENGTHS AVAILABLE = 3, 5, 6

P/N= 531 - LENGTH
EXAMPLE: 531 - 6
FOR 6 INCH PART

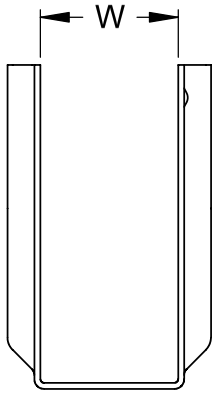
Made in USA

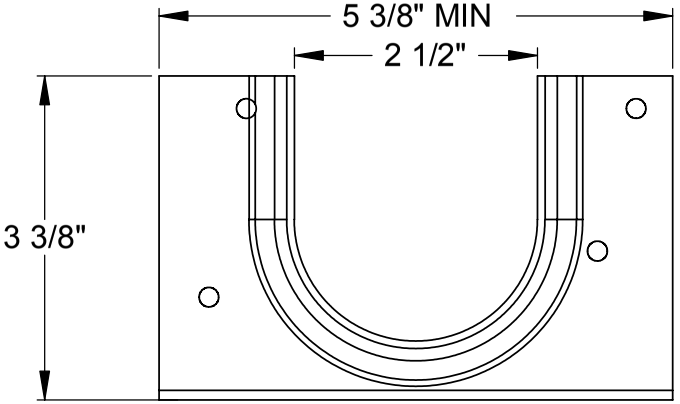
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: +/- .03	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE APPROVALS / DATE DRAWN EG CHECKED SB	*GREENFIELD MFG CO* 920 LEVICK ST , PHILA.,PA. 19111
MATERIAL 20 GA .032 MIN FINISH DO NOT SCALE DRAWING		P/N STUD GUARD A FIG 531 REV. SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



533-1 SHOWN





NOT A TOTAL REPLACEMENT FOR MATERIAL REMOVED

INSTALL PER DIRECTIONS

INSTALL PER LOCAL BUILDING CODES

FIG	W WIDTH	MAX LOAD	AVG ULT	NAILS
533-1	1.50	552 LBS	3255 LBS	12-10d X1.5
533-2	3.00	810 LBS	6568 LBS	12-10d
533-3	4.50	945 LBS	7489 LBS	14-10d

SEE TEST RESULTS AT WWW.GFM.BIZ

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL STEEL 16 GA.

FINISH GALVANIZED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	10/17
CHECKED SB	

GREENFIELD MFG CO

920 LEVICK ST , PHILA.,PA. 19111

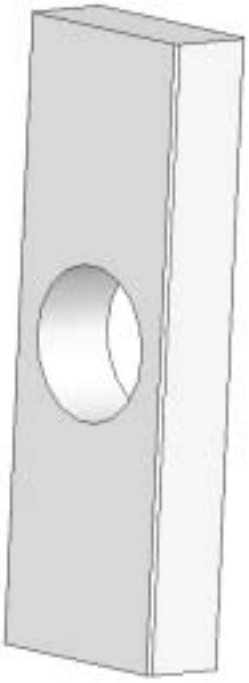
P/N FIG 533 STUD SHOE

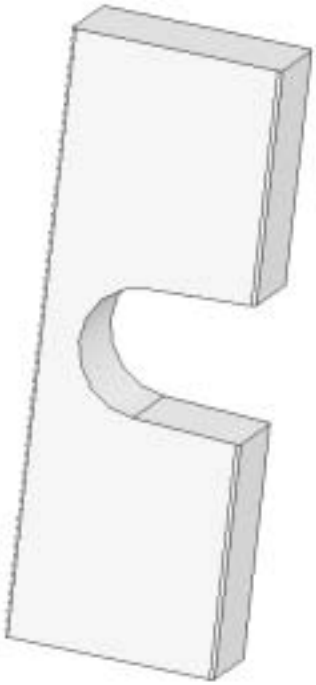
A REV E REV.

SCALE CAD FILE STDSH1D.SLDRW SHEET OF

INSTALLATION INSTRUCTIONS FOR FIG 533 STUD SHOES

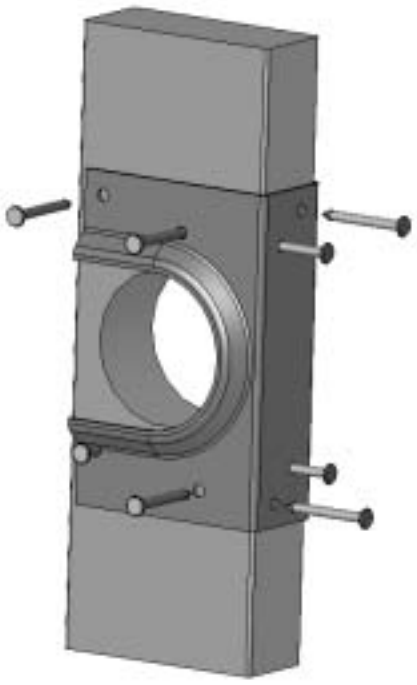
920 LEVICK ST
PHILA., PA 19111
WWW.GFM.BIZ





DRILLED HOLE IN CENTER OF STUD
(PREFERRED METHOD OF USE)
FOR 1-1/2 PIPE DRILL 2-1/8 HOLE
FOR 2 PIPE DRILL 2-1/2 HOLE

NOTCHED HOLE
DRILL AS WITH HOLE
BUT SAW TO NOTCH OUT



NAIL SCHEDULE
(FILL ALL HOLES)

533-1 SINGLE **12 - 10d X 1-1/2**

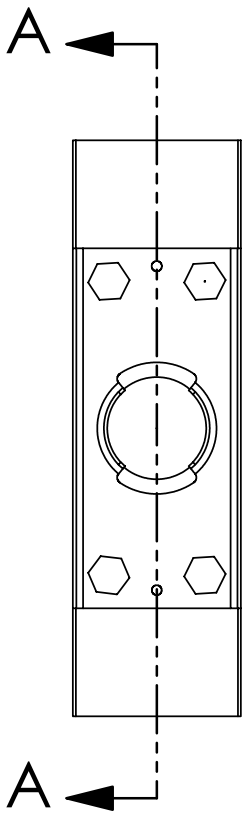
533-2 DOUBLE **12 - 10d**

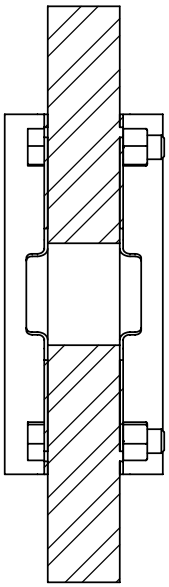
533-3 TRIPLE **12 - 10d**

INSTALL PER IRC R602.6 &
LOCAL BUILDING CODES

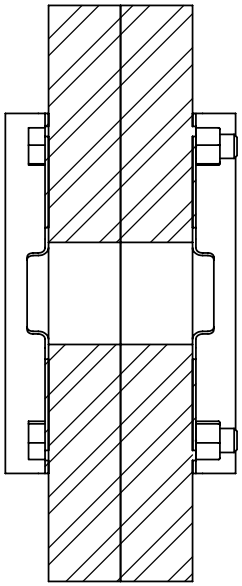
rev4 10/26/2017

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

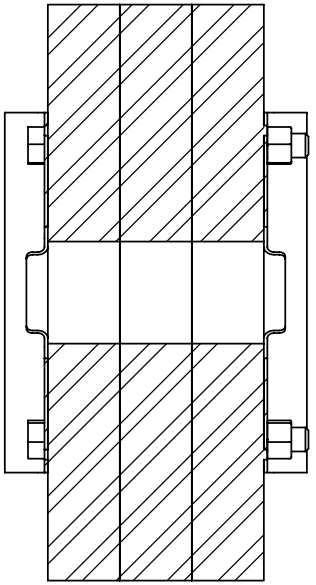




SINGLE
534-1



DOUBLE
534-2



TRIPLE
534-3

2-1/8 MAX HOLE OR 2-1/8 MAX GAP

ITEM	ALLOWABLE LOAD		FASTENER
	W/HOLE	W/GAP	CAP SCREW
534-1	4500	2000	4-1/2 X 2-1/2
534-2	8900	3500	4-1/2 X 4
534-3	8900**	3500**	4-1/2 X 5-1/2

** NOT TESTED
ALLOWABLE LOAD SAME AS 534-2

Made in USA

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	1/06
CHECKED SB	1/06

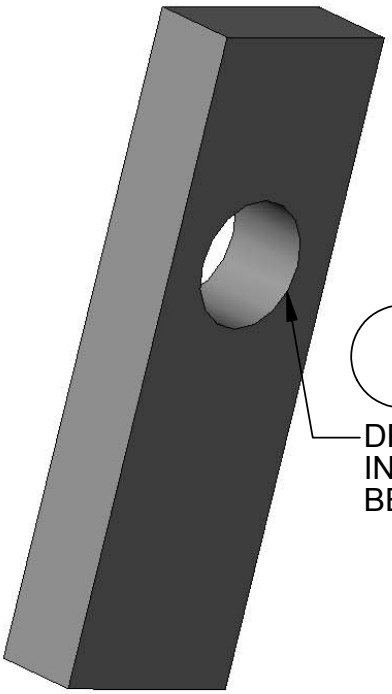
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

STUD FIXER - ASSY

A | P/N 534 | REV.
SCALE | STUD FIX SEC | SHEET OF

INSTALLATION DIRECTIONS FOR GM P/N 534 STUDFIXER

STUDFIXER™



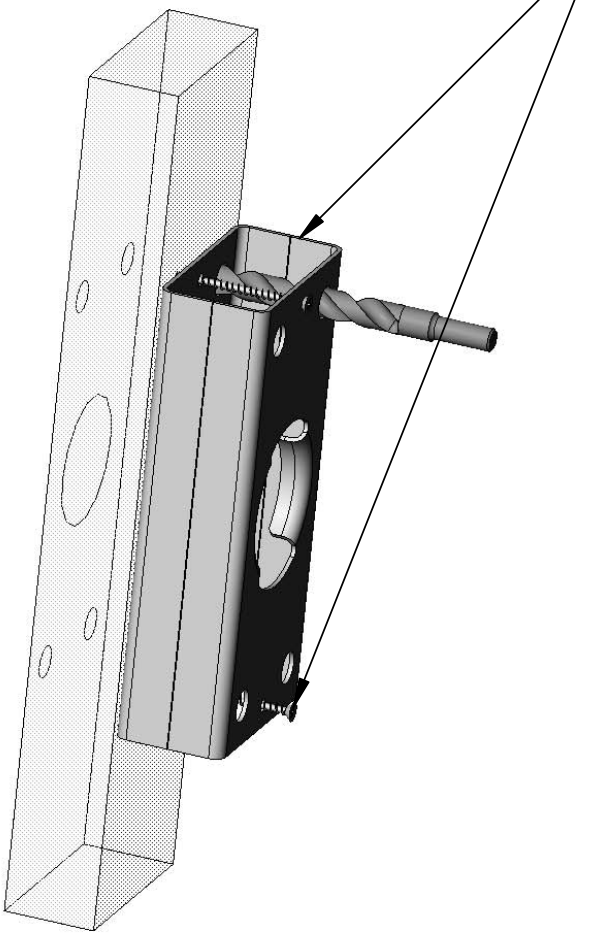
1

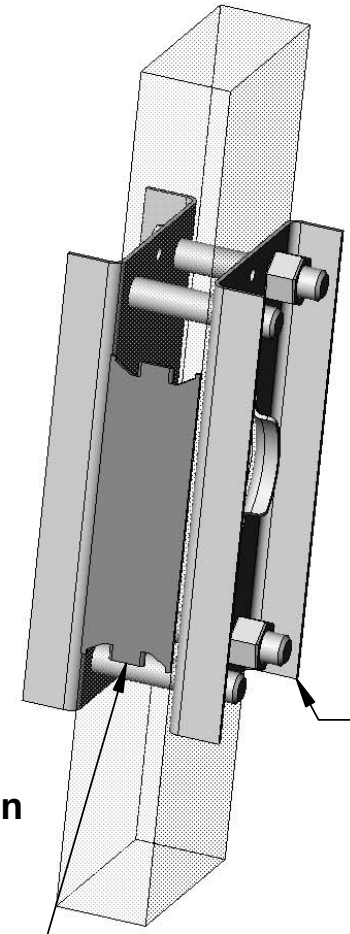
DRILL 2-1/16 HOLE
IN CENTER OF
BEAM AS SHOWN

2

ATTACH DRILL JIG TO STUD
WITH 2 DRY WALL SCREWS
(A SHORT PIECE OF 1-1/2 PIPE
WILL HELP TO ALIGN THE DRILL JIG)

DRILL 4- 17/32 HOLES WITH
DRILL PROVIDED USING
JIG TO KEEP HOLES STRAIGHT





3

REMOVE DRILL JIG AND
ATTACH 2 BRACKETS WITH
BOLTS AND NUTS PROVIDED IN KIT

TIGHTEN BOLTS 5 FT-LBS TORQUE
(FIRMLY, BUT DO NOT DAMAGE THE WOOD)

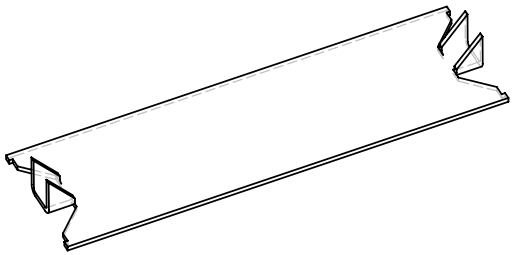
ADD 16 GA STUD GUARD TO PROTECT PIPE

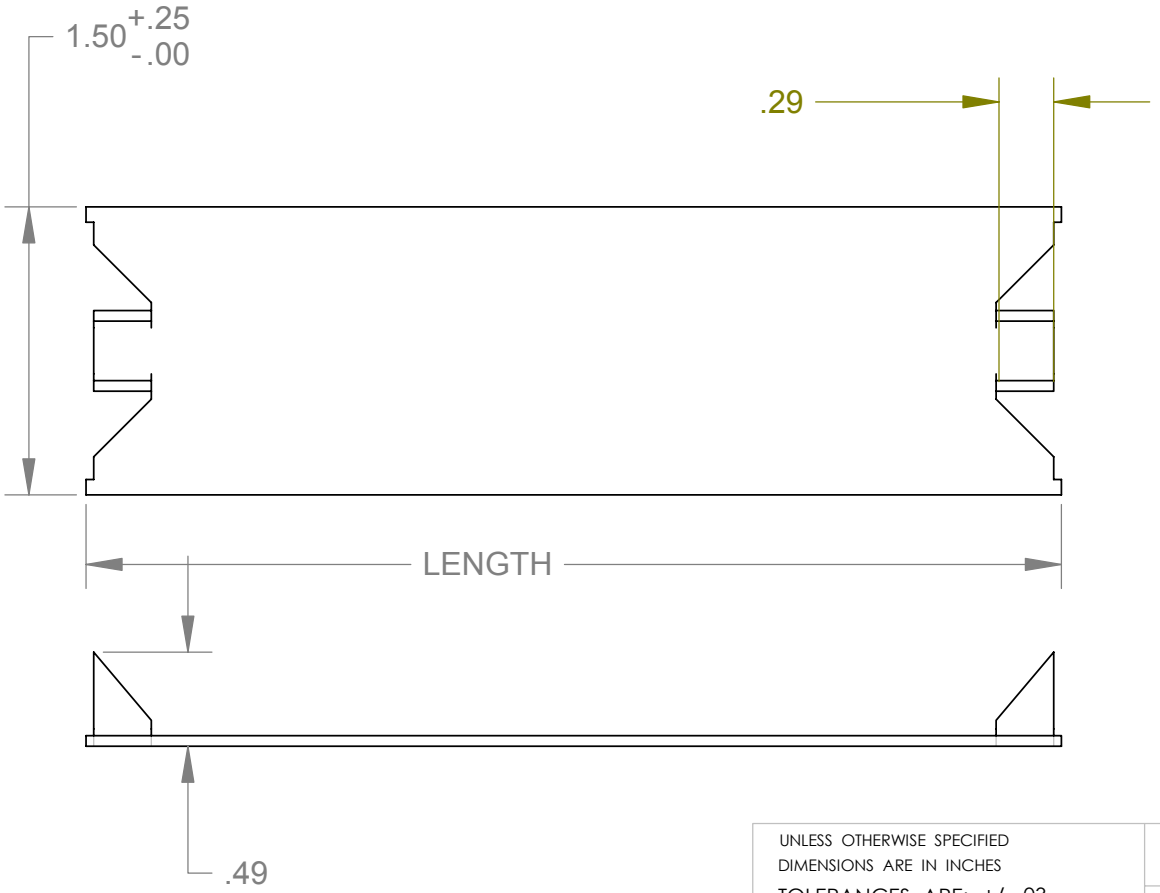
GREENFIELD MFG CO
920 LEVICK ST
PHILA, PA 19111-5498

for technical information
check our web site:
WWW.GFM.BIZ

COPYRIGHT 2005 (c)

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





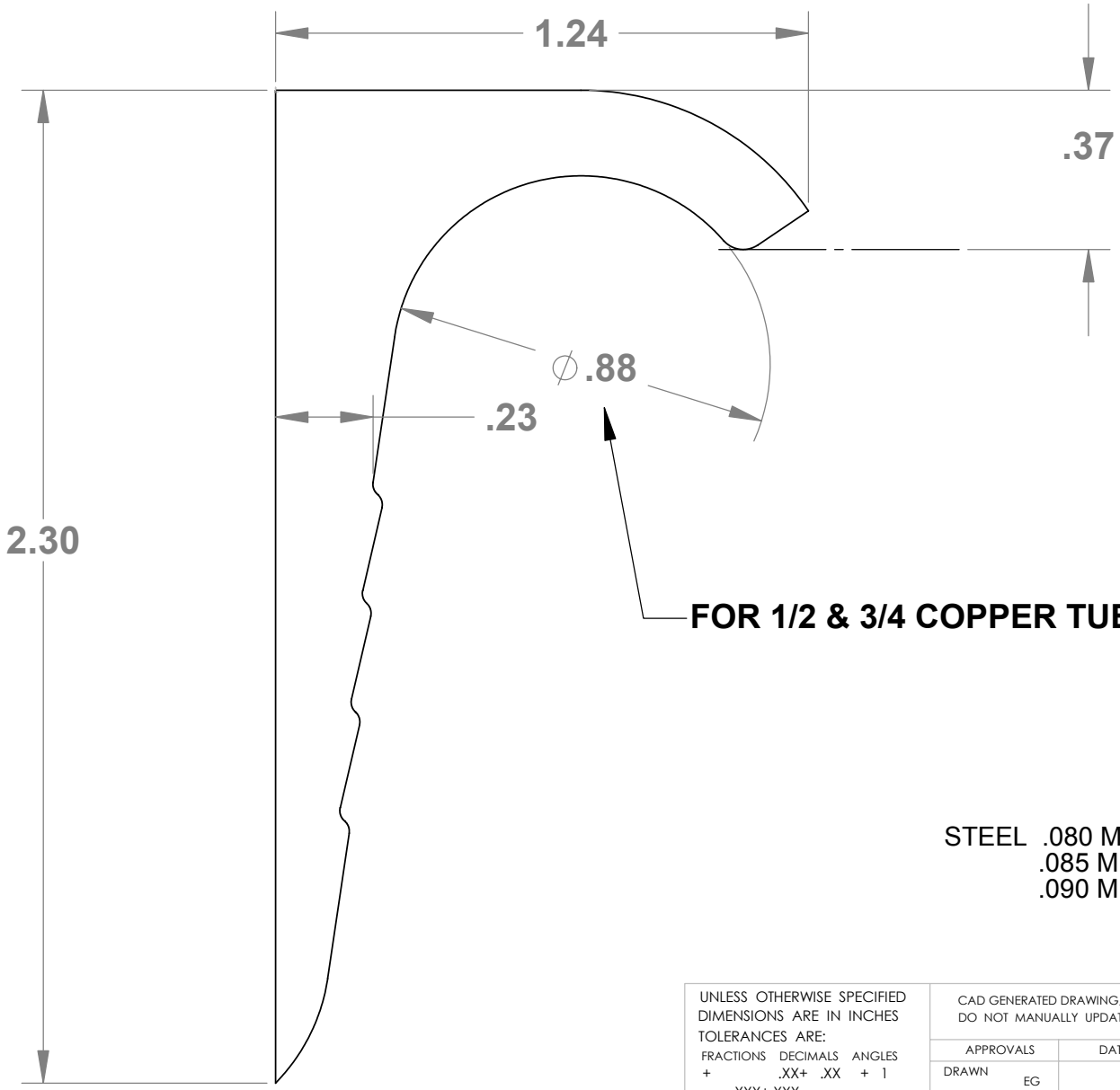
LENGTHS AVAILABLE = 3, 5, 6

P/N= 536 - LENGTH
EXAMPLE: 536 - 6
FOR 6 INCH PART

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: +/- .03	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE APPROVALS / DATE DRAWN EG CHECKED SB	GREENFIELD MFG CO 920 LEVICK ST , PHILA.,PA. 19111
MATERIAL 16 GA .053 MIN		P/N STUD GUARD
FINISH		A FIG 536 REV.
DO NOT SCALE DRAWING		SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



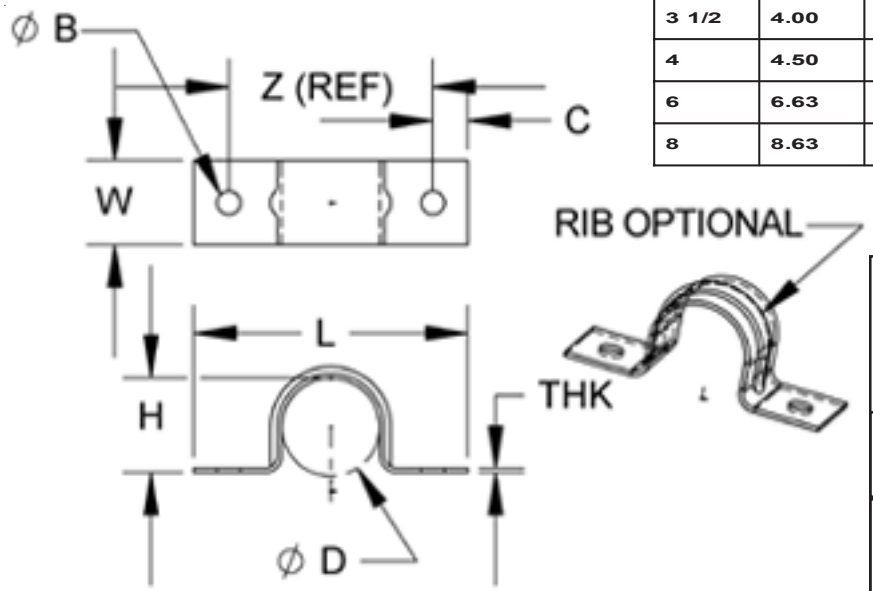
STEEL .080 MIN THK Rb 90 MIN
.085 MIN THK Rb 85 MIN
.090 MIN THK Rb 80 MIN

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX+ .XX + 1 .XXX+.XXX	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	GREENFIELD MFG CO
	APPROVALS DATE	920 LEVICK ST , PHILA.,PA. 19111
	DRAWN EG	
	CHECKED SB	
MATERIAL SEE NOTE		P/N FIG 540
FINISH COPPER PLATED		A J TUBE NAILER 1/2 OR 3/4 REV.
DO NOT SCALE DRAWING		SCALE CAD FILE: JHK540.SLDDRW SHEET OF

Size	D	H	THK	W	L	B	C	Z (ref)
Tol.	0.06	.03	US Gage	.12	.25	.032	.06	.06
	-0.02	-.06	(MIN. THK.)	-.03	-.12	-.015	-.03	-.06
1/4	0.54	0.48	22 Ga. (.027)	0.50	1.88	0.175	0.28	1.31
3/8	0.69	0.68	22 Ga. (.027)	0.75	2.38	0.200	0.38	1.62
1/2	0.84	0.84	21 Ga. (.030)	0.75	2.62	0.200	0.38	1.80
3/4	1.05	1.05	21 Ga. (.032)	0.75	2.75	0.200	0.38	2.06
1	1.31	1.31	19 Ga. (.041)	1.00	3.40	0.281	0.38	2.62
1 1/4	1.66	1.66	16 Ga. (.055)	1.00	4.25	0.281	0.50	3.25
1 1/2	1.90	1.90	16 Ga. (.062)	1.00	4.20	0.281	0.50	3.44
2	2.38	2.38	14 Ga. (.067)	1.00	5.06	0.281	0.50	4.21
2 1/2	2.88	2.88	13 Ga. (.085)	1.00	6.31	0.340	0.62	4.88
3	3.50	3.50	13 Ga. (.085)	1.00	7.00	0.340	0.62	5.88
3 1/2	4.00	4.00	12 Ga. (.105)	1.00	7.50	0.340	0.62	6.25
4	4.50	4.50	12 Ga. (.105)	1.00	8.38	0.340	0.75	7.12
6	6.63	6.60	11 Ga. (.115)	1.25	11.12	0.340	0.81	9.50
8	8.63	8.63	11 Ga. (.115)	1.25	13.00	0.340	1.00	11.00

MADE IN USA

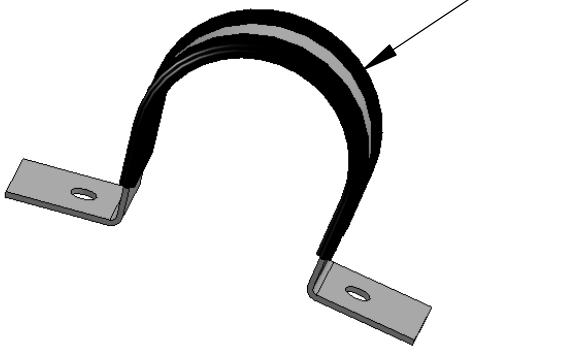


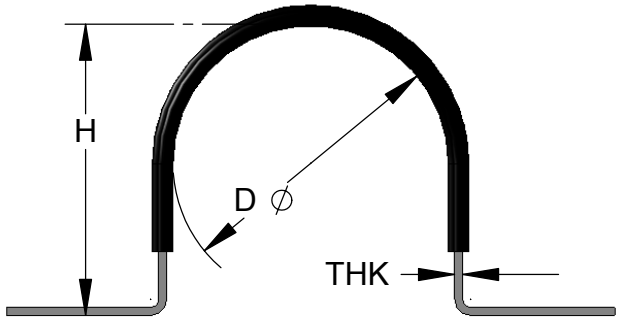
Greenfield Mfg Co Inc

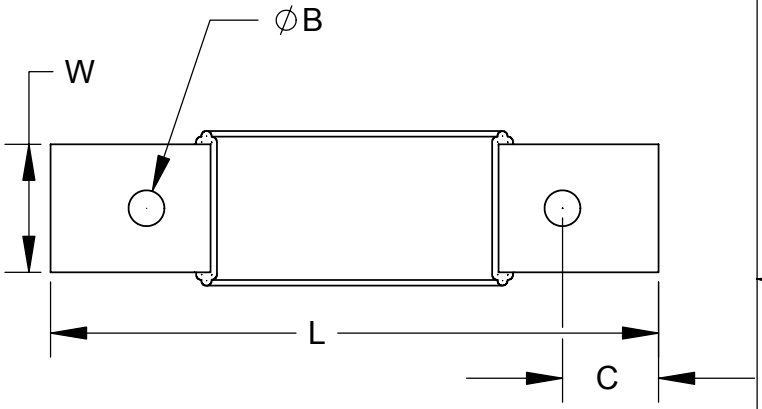
920 Levick Street, Philadelphia PA. 19111-5498

Material STEEL	GALVANIZED PIPE STRAP
Finish GALV. GALVN.	FIG. 600 GALVANIZED OR GALVANEALED

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.







SHOWN AS APPLIED

SIZE	D	H	Thk	W	L	B	C
+Tol	.06	.03	U S	.12	.25	.032	.06
-Tol	.02	.06	Gage	.03	.12	.015	.03
3/8	.69	.68	20 Ga	.75	2.38	.200	0.38
1/2	.84	.84	20 Ga	.75	2.62	.200	0.38
3/4	1.05	1.05	19 Ga	.75	2.75	.200	0.38
1	1.31	1.31	18 Ga	.75	3.40	.281	0.38
1-1/4	1.66	1.66	16 Ga	1.0	4.25	.281	0.50
1-1/2	1.90	1.90	16 Ga	1.0	4.38	.281	0.50
2	2.38	2.38	16 Ga	1.0	4.75	.281	0.60
3	3.50	3.50	14 Ga	1.0	6.10	.281	0.60
4	4.50	4.50	14 Ga	1.0	7.40	.281	0.60

EXTRUSION COATING MATERIAL:
SYLVIN 8925-80
HARDNESS 80-90 A DUROMETER
TENSIL STRENGTH 2400
ELOGATION % 375

made in USA

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL: PRE GALVANIZED SHEET STEEL

DO NOT SCALE DRAWING

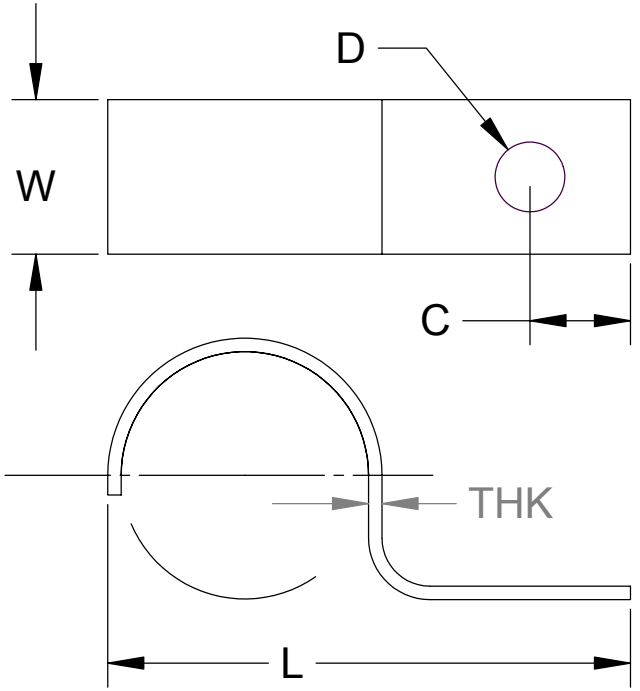
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	12/12
CHECKED SB	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N PIPE STRAP,COATED
A FIG 603 REV.
SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



PIPE SIZE	D-Hole	Thk	W	L	C
1/2	0.28	16 Ga	.75	2.60	0.88
3/4	0.28	16 Ga	1.00	3.00	1.00
1	0.28	14 Ga	1.00	3.20	1.12
1-1/4	0.34	13 Ga	1.00	3.50	0.88
1-1/2	0.41	13 Ga	1.00	4.00	1.25
2	0.41	12 Ga	1.00	4.50	1.25
2-1/2	0.56	8 Ga	1.25	6.00	1.50
3	0.56	8 Ga	1.25	6.50	1.50
4	0.56	4 Ga	1.25	8.00	1.50

Made in USA

FIG 610.SLDDRW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL CQ
GALVANIZED , GN

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
2/09	

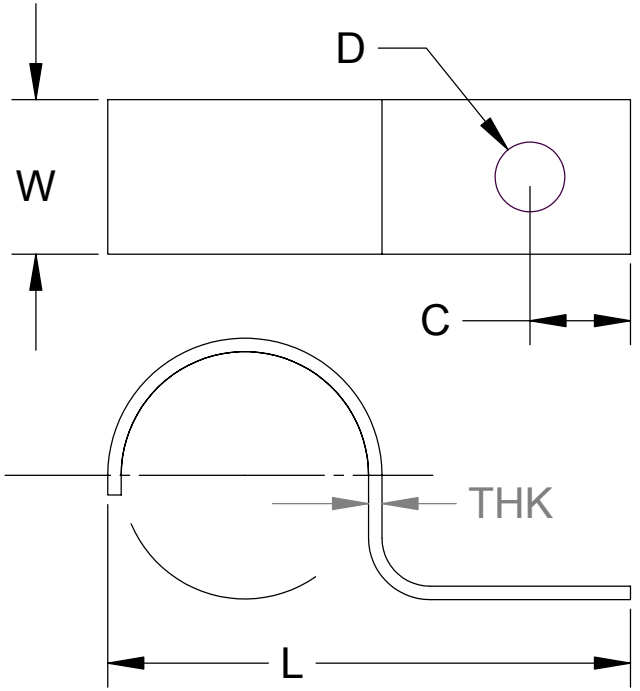
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

STRAP,ONE HOLE -IPS

A | FIG 610 | REV.

SCALE | CAD FILE: | SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



EMT SIZE	D-Hole	Thk	W	L	C
1/2	0.28	16 Ga	.62	1.62	0.38
3/4	0.28	16 Ga	.62	2.00	0.56
1	0.28	14 Ga	.75	2.38	0.56
1-1/4	0.34	13 Ga	1.00	3.44	0.88
1-1/2	0.34	13 Ga	1.00	4.00	0.88
2	0.41	12 Ga	1.00	4.50	1.25
2-1/2	0.56	8 Ga	1.25	6.00	1.50
3	0.56	8 Ga	1.25	6.50	1.50
4	0.56	4 Ga	1.25	8.00	1.50

NOTE: SIZES 1/2 -1" SNAP ON

Made in USA

FIG 620.SLDDRW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL CQ
GALVANIZED , GN

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
2/09 a	

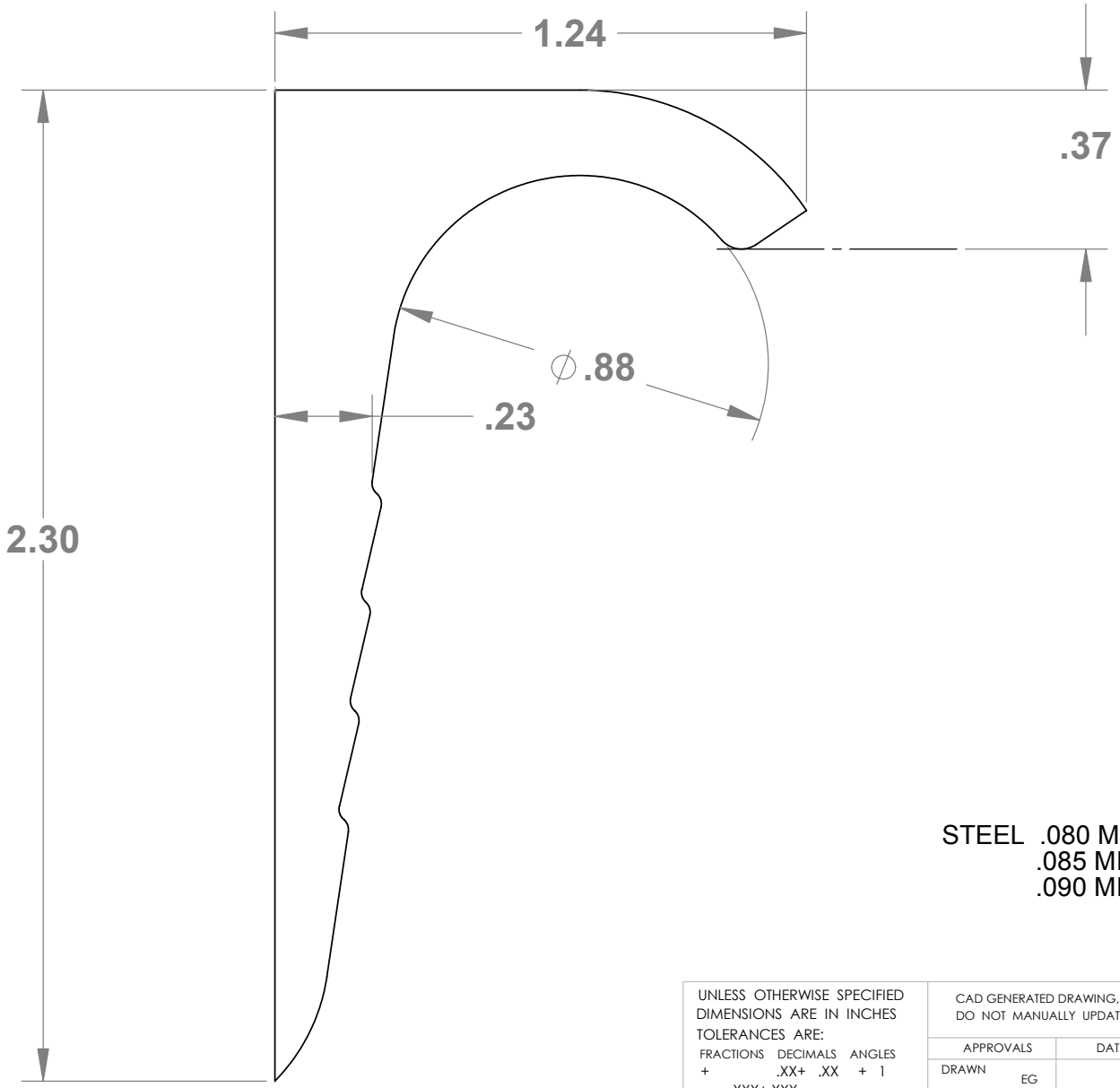
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

EMT STRAP,ONE HOLE

A P/N FIG 620 REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



STEEL .080 MIN THK Rb 90 MIN
.085 MIN THK Rb 85 MIN
.090 MIN THK Rb 80 MIN

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL

FINISH ZINC PLATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
SEE NOTE	

GREENFIELD MFG CO

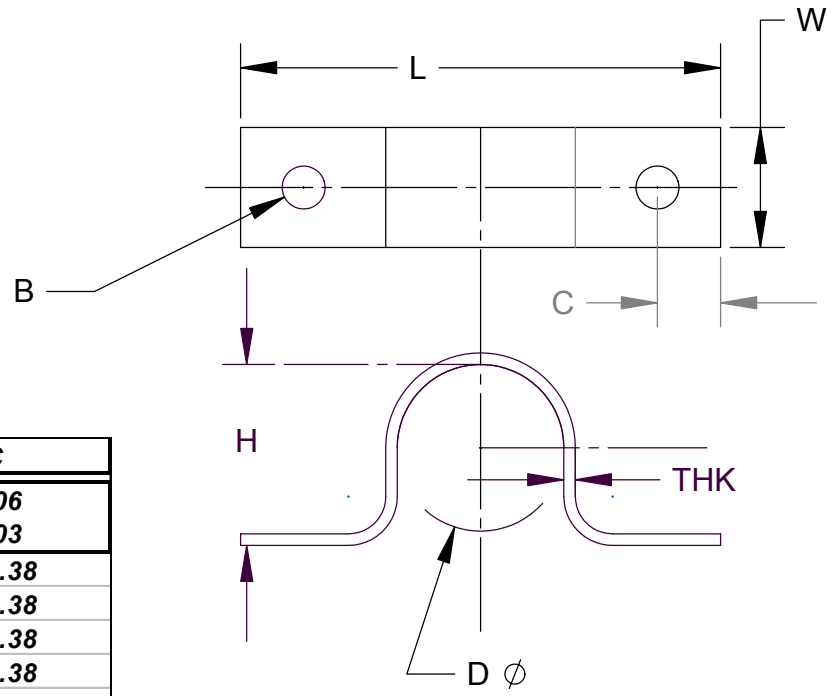
920 LEVICK ST , PHILA.,PA. 19111

P/N FIG 640

A J NAILER 1/2 IPS REV.

SCALE CAD FILE: JHK640.SLDDRW SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



SIZE	D	H	Thk	W	L	B	C
+Tol	.06	.03	U S	.12	.25	.032	.06
-Tol	.02	.06	Gage	.03	.12	.015	.03
3/8	.69	.68	20 Ga	.75	2.38	.200	0.38
1/2	.84	.84	20 Ga	.75	2.62	.200	0.38
3/4	1.05	1.05	19 Ga	.75	2.75	.200	0.38
1	1.31	1.31	19 Ga	.75	3.40	.281	0.38
1-1/4	1.66	1.66	16 Ga	1.0	4.25	.281	0.50
1-1/2	1.90	1.90	16 Ga	1.0	4.30	.281	0.50
2	2.38	2.38	16 Ga	1.0	5.00	.281	0.66
2-1/2	2.88	2.88	13 Ga	1.0	6.31	.340	0.75
3	3.50	3.50	13 Ga	1.0	7.30	.340	0.75
4	4.50	4.50	13 Ga	1.0	8.50	.340	0.75

Made in USA

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
+ .XX+ .XX + 1
.XXX+.XXX

MATERIAL
TYPE 300 SERIES STAINLESS STEEL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	

GREENFIELD MFG CO

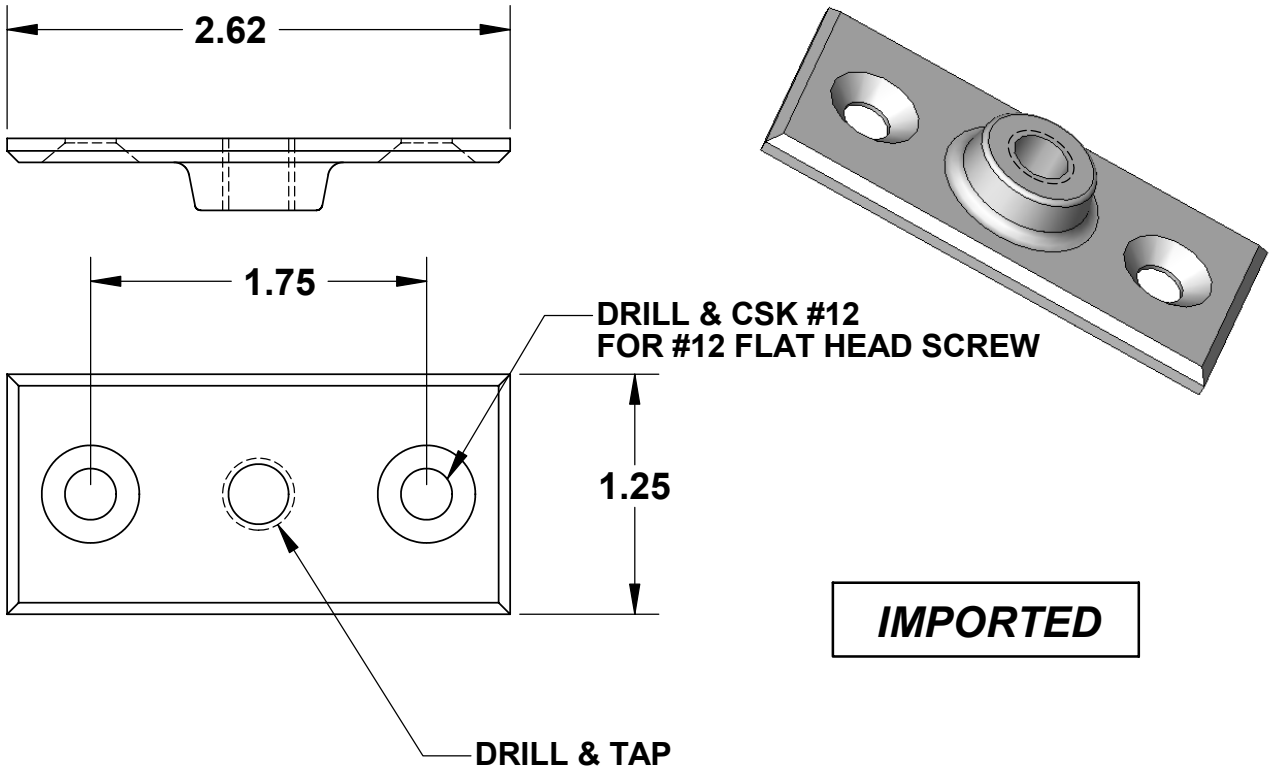
920 LEVICK ST , PHILA.,PA. 19111

P/N PIPE STRAP

A FIG 760 REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

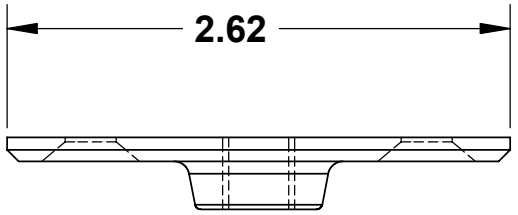


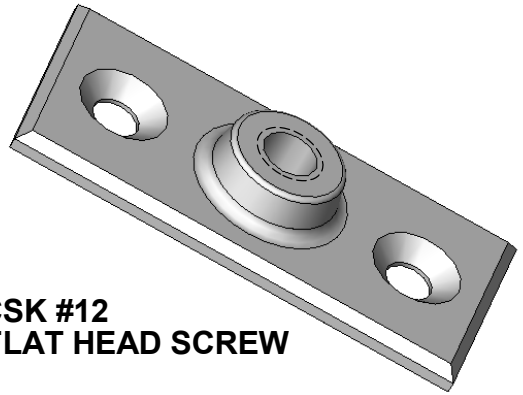
IMPORTED

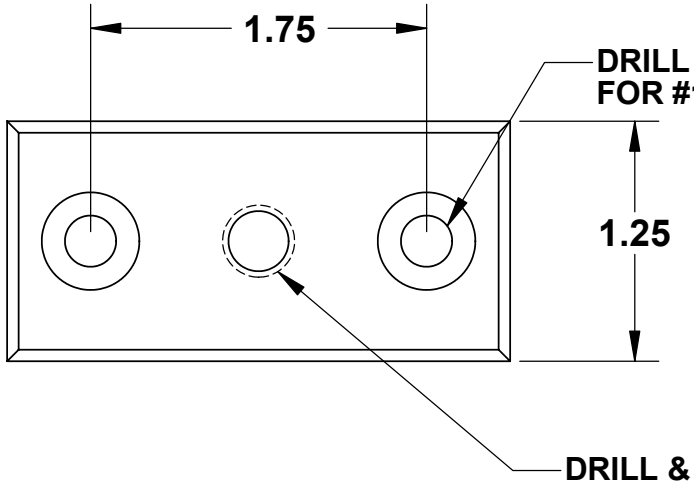
MAX REC. LOAD = 180 LBS
FOR 1/2 & 3/8 THREAD

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE APPROVALS / DATE DRAWN EG 2/13 CHECKED SB	GREENFIELD MFG CO 920 LEVICK ST , PHILA.,PA. 19111
MATERIAL **DUCTILE CAST IRON** **PLAIN FINISH**		P/N **HANGER FLANGE**
DO NOT SCALE DRAWING		A **FIG 820** REV.
		SCALE CAD FILE: **FIG 820.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





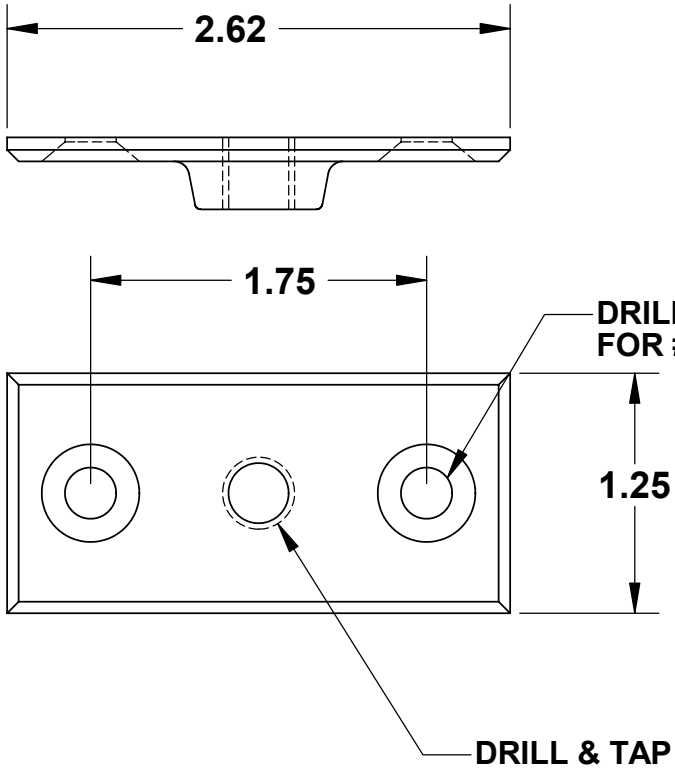


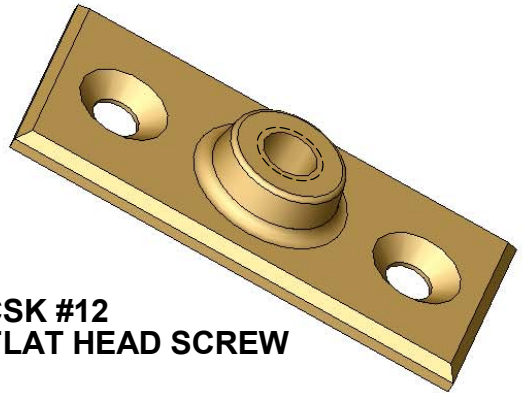
IMPORTED

MAX REC. LOAD = 180 LBS
FOR 1/2 & 3/8 THREAD

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE APPROVALS / DATE DRAWN EG 2/13 CHECKED SB	**GREENFIELD MFG CO** 920 LEVICK ST , PHILA.,PA. 19111
MATERIAL **DUCTILE IRON** **ZINC PLATED FINISH**		P/N **HANGER FLANGE** A **FIG 821** REV.
DO NOT SCALE DRAWING		SCALE CAD FILE: **FIG 821.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





IMPORTED

MAX REC. LOAD = 180 LBS

*** ZINC PLATED PLUS**
A BAKED COPPER COLORED EPOXY
POWDER FINISH

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
DUCTILE IRON
COPPER EPOXY FINISH *

DO NOT SCALE DRAWING

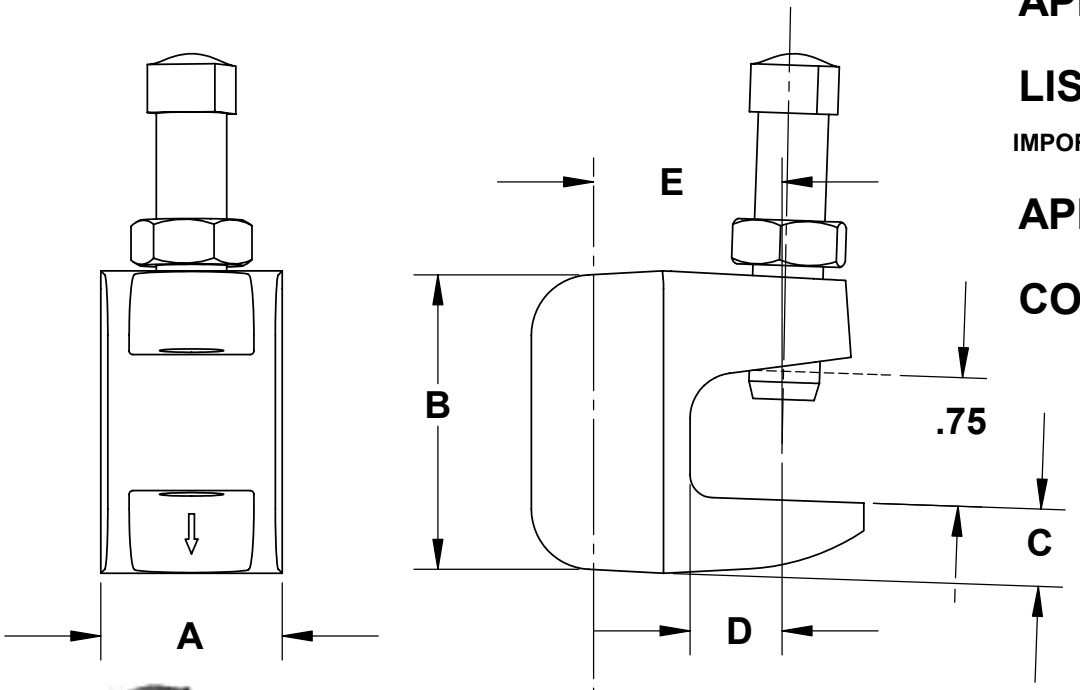
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	2/13
CHECKED SB	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N **HANGER FLANGE**
A **FIG 822** REV.
SCALE CAD FILE: **FIG 822.SLDDRW** SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



APPROVALS:

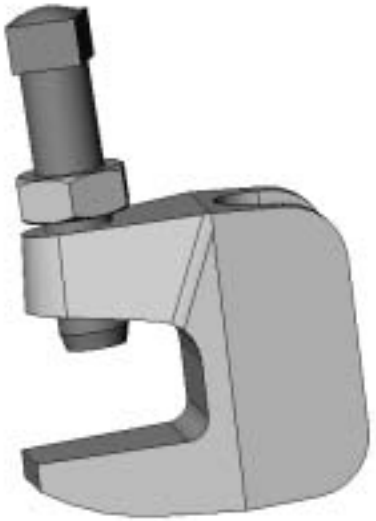
LISTED FM

IMPORTED BY EMPIRE IND INC 62B

APPROVED UL

COMPLIES WITH MSS SP-58 TYPE 19

SEE MSS SP-69 FOR PROPER SET SCREW RECOMMENDATIONS



ROD SIZE	WT PER 100 PCS	MAX REC LOAD	CTN QTY	A	B	C	D	E
3/8	28	350#	100	.88	1.50	.31	.50	1.00
1/2	34	470#	100	.88	1.50	.31	.50	1.00
5/8	42	550#	50	1.12	1.75	.34	.63	1.37
3/4	80	700#	50	1.37	1.87	.41	.63	1.37
7/8	84	1000#	25	1.37	1.87	.41	.63	1.37

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

FRACTIONS	DECIMALS	ANGLES
+/- 1/8	.XX +/- .03 .XXX +/- .01	.XX + 1

MATERIAL

DUCTILE IRON

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	2/26/16
CHECKED SB	

GREENFIELD MFG CO

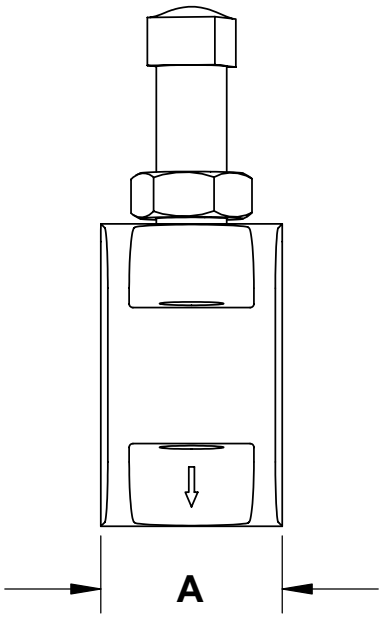
920 LEVICK ST , PHILA.,PA. 19111

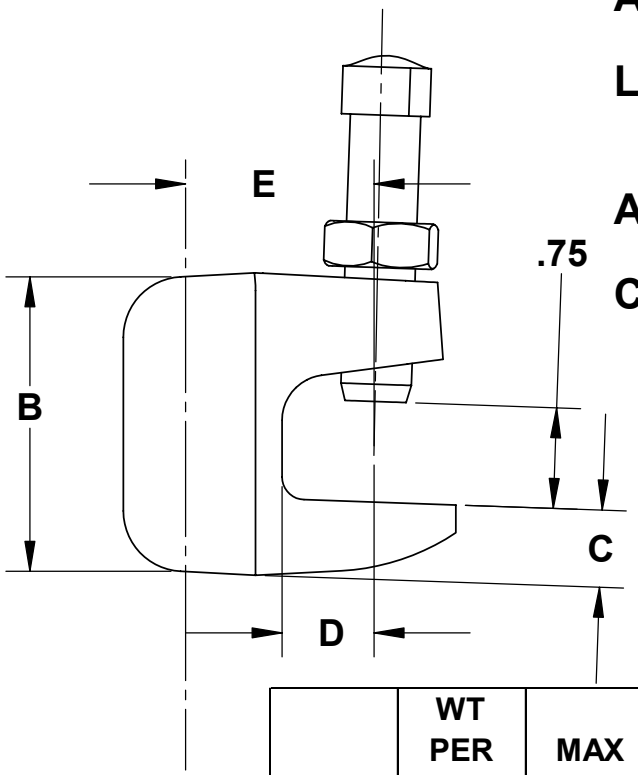
JUNIOR TOP BEAM CLAMP

A | P/N **FIG 825** | REV.

SCALE | CAD FILE: | SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





APPROVALS:

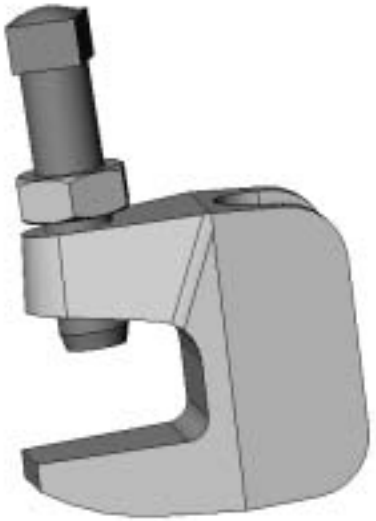
LISTED FM

IMPORTED BY EMPIRE IND INC 62G

APPROVED UL

COMPLIES WITH MSS SP-58 TYPE 19

SEE MSS SP-69 FOR PROPER SET SCREW RECOMMENDATIONS



ROD SIZE	WT PER 100 PCS	MAX REC LOAD	CTN QTY	A	B	C	D	E
3/8	28	350#	100	.88	1.50	.31	.50	1.00
1/2	34	470#	100	.88	1.50	.31	.50	1.00
5/8	42	550#	50	1.12	1.75	.34	.63	1.37
3/4	80	700#	50	1.37	1.87	.41	.63	1.37
7/8	84	1000#	25	1.37	1.87	.41	.63	1.37

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL

DUCTILE IRON ZINC PLATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	6/2/15
CHECKED SB	

GREENFIELD MFG CO

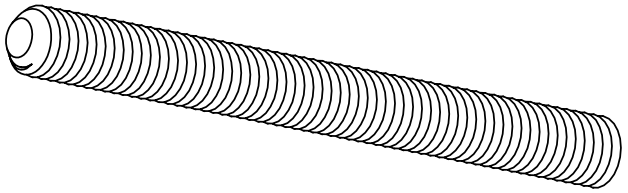
920 LEVICK ST , PHILA.,PA. 19111

JUNIOR TOP BEAM CLAMP

A P/N **FIG 826** REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



THREAD ROD SIZE	MAX REC LOAD LBS
3/8 - 16	600
1/2 - 13	1100
5/8 - 11	1800
3/4 - 10	2700
7/8 - 9	3700
1 - 8	4900

THREAD ROD CONFORMS TO MSS SP-58
LOW CARBON STEEL ALL THREAD ROD
6 FT LENGTHS ONLY

Made in USA

GFM.BIZ

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
3/17	

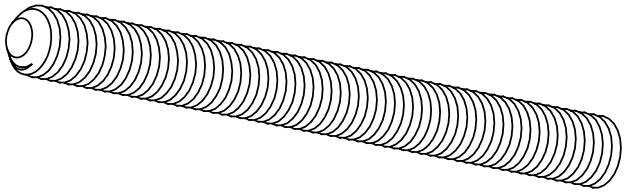
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

FIG 900
ALL THREAD ROD

A | P/N | REV.

SCALE | CAD FILE: | SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



THREAD ROD SIZE	MAX REC LOAD LBS
3/8 - 16	600
1/2 - 13	1100
5/8 - 11	1800
3/4 - 10	2700
7/8 - 9	3700
1 - 8	4900

THREAD ROD CONFORMS TO MSS SP-58
LOW CARBON STEEL ALL THREAD ROD
6 FT LENGTHS ONLY
ZINC PLATED

Made in USA

GFM.BIZ

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL / ZINC PLATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
3/17	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

FIG 901
ALL THREAD ROD

A | P/N | REV.

SCALE | CAD FILE: | SHEET OF

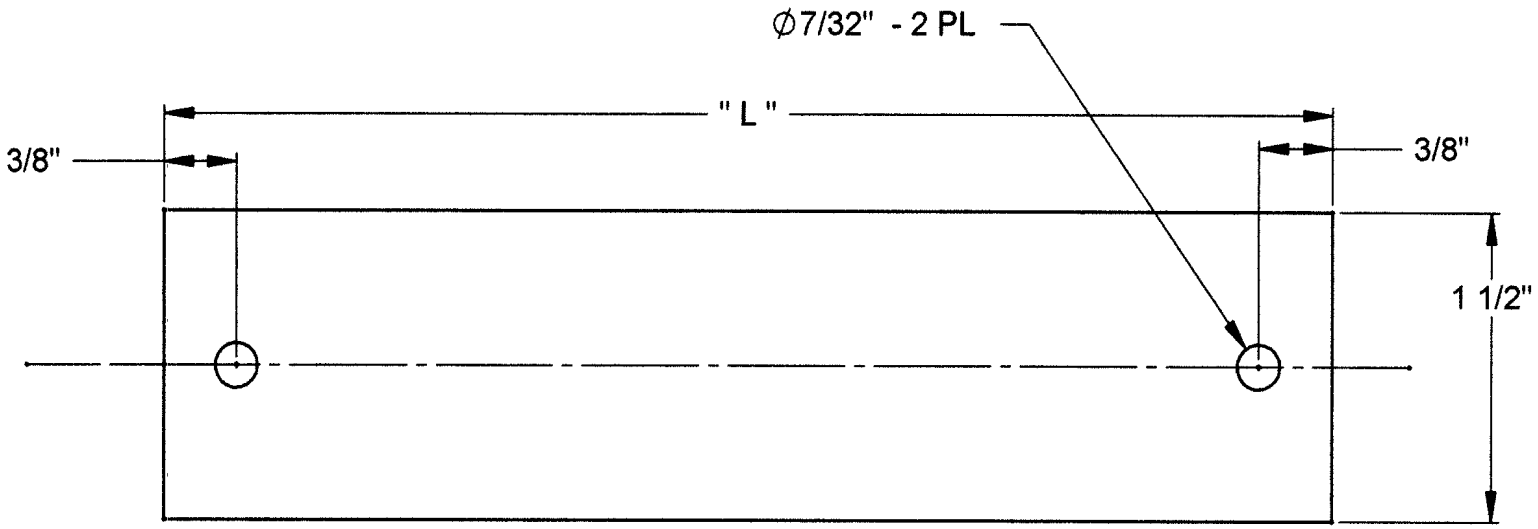


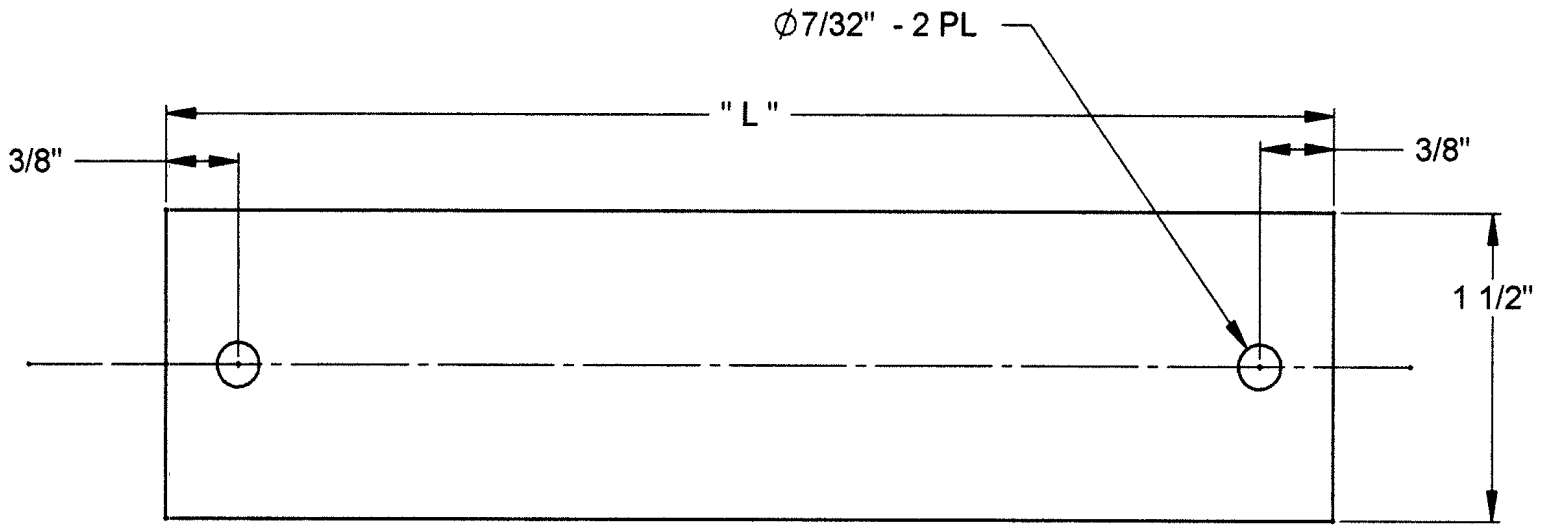
Figure	"L"
905-3	3
905-6	6

Made in USA

Greenfield Mfg Co Inc

920 Levick Street, Philadelphia PA. 19111-5498

Material 16ga Steel	**Protector Plate**
Finish None	**FIG. NO:** 905



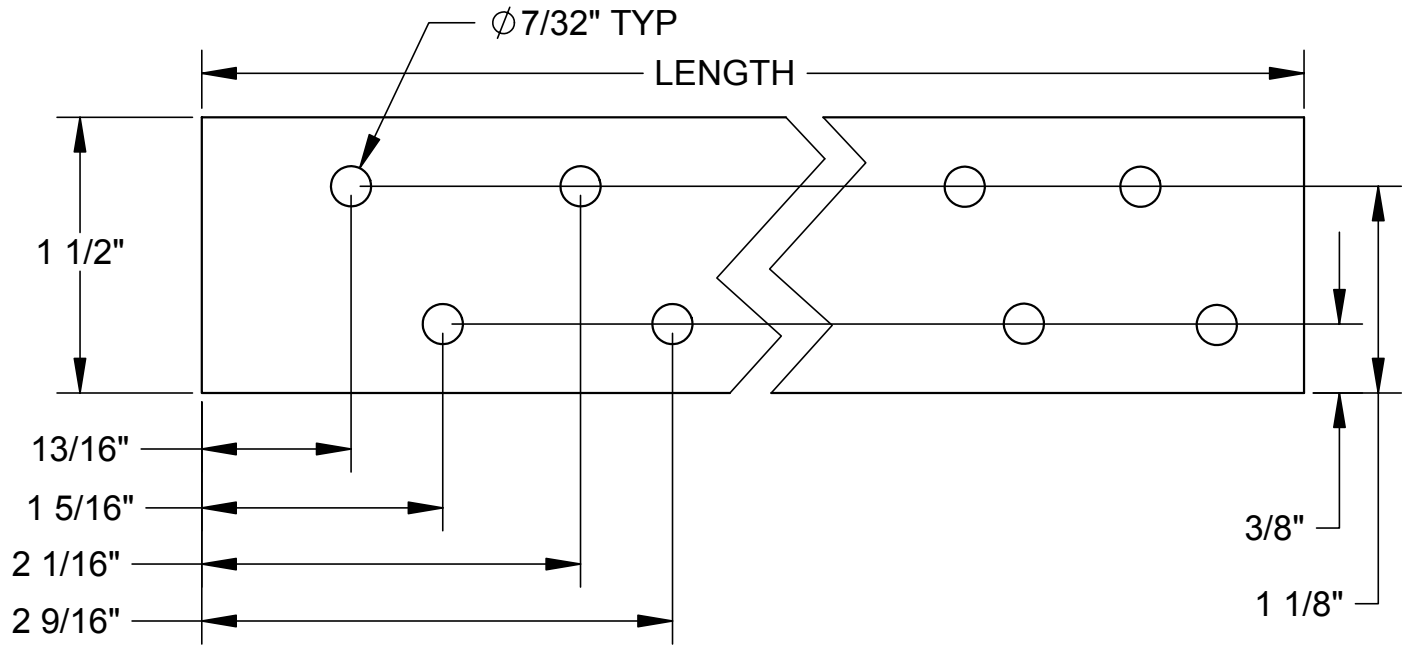
Made in USA

FIG.	"L"
906 - 3	3
906 - 6	6

Greenfield Mfg Co Inc

920 Levick Street, Philadelphia PA. 19111-5498

Material 18GA STEEL	**Protector Plate**
Finish None	**FIG. NO:** 906



P/N	LENGTH	FASTENERS	ALLOWABLE TENSION LOAD			
			DF/SP		SPF/HF	
			(133)*	(160)*	(133)*	(160)*
913-12	12	8 - 16d	750	900	650	775
913-18	18	8 - 16d	750	900	650	775
913-24	24	8 - 16d	750	900	650	775

*** SEISMIC AND WIND LOADINGS ARE INCREASED 33% (133) OR 60% (160) FOR LOAD DURATION**

MADE IN USA

MATERIAL **Steel 13 Ga.**

FINISH NONE

TOLERANCES XXX XX FR

Dr. EG
Chk. SB
Appr. sb
Date 6/10

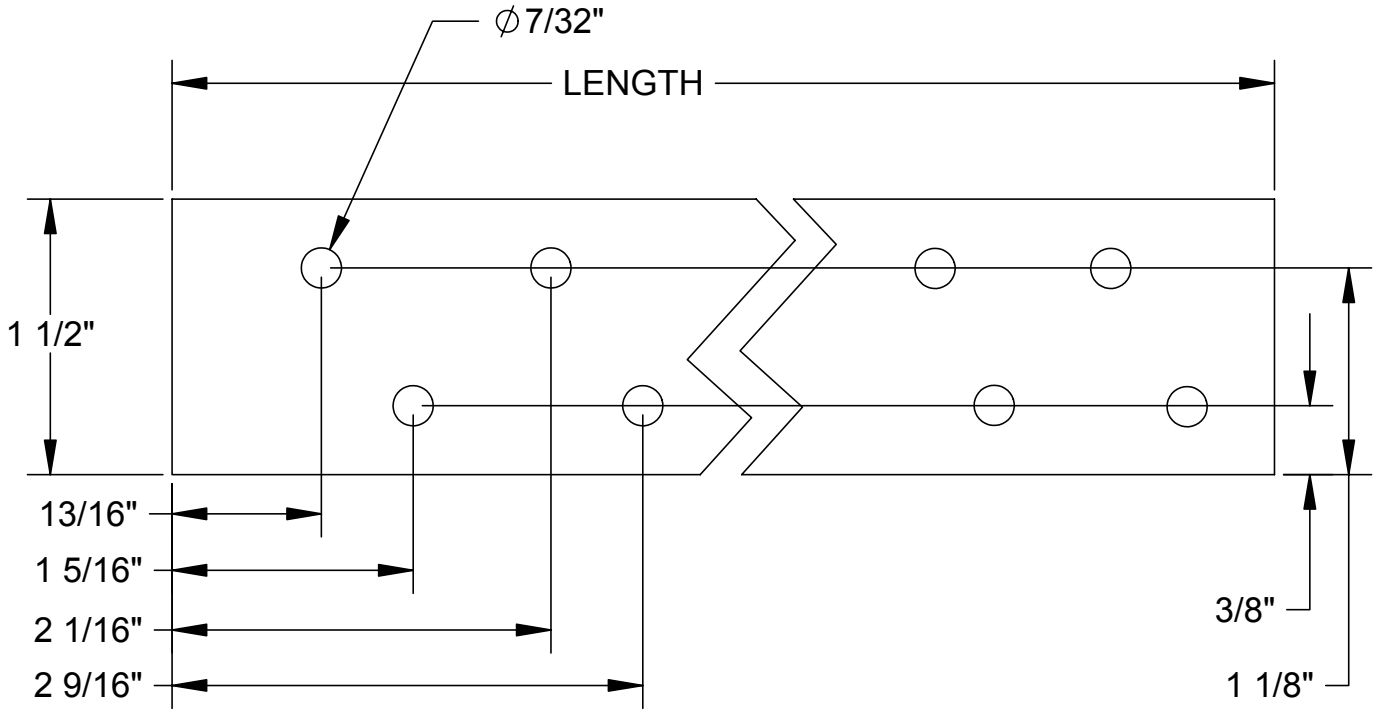
Greenfield Mfg Co

920 Levick St , Phila.,Pa. 19111-5498

FHA PLATE

FSCM 98320

P/N **FIG - 913 - X**



P/N	LENGTH	FASTENERS	ALLOWABLE TENSION LOAD			
			DF/SP		SPF/HF	
			(133)*	(160)*	(133)*	(160)*
916-6	6	8 - 16d	750	900	650	775
916-9	9	8 - 16d	750	900	650	775
916-12	12	8 - 16d	750	900	650	775
916-18	18	8 - 16d	750	900	650	775
916-24	24	8 - 16d	750	900	650	775

*** SEISMIC AND WIND LOADINGS ARE INCREASED 33% (133) OR 60% (160) FOR LOAD DURATION**

MADE IN USA

MATERIAL
STEEL 16 GA.

FINISH
NONE

TOLERANCES
XXX
XX
FR

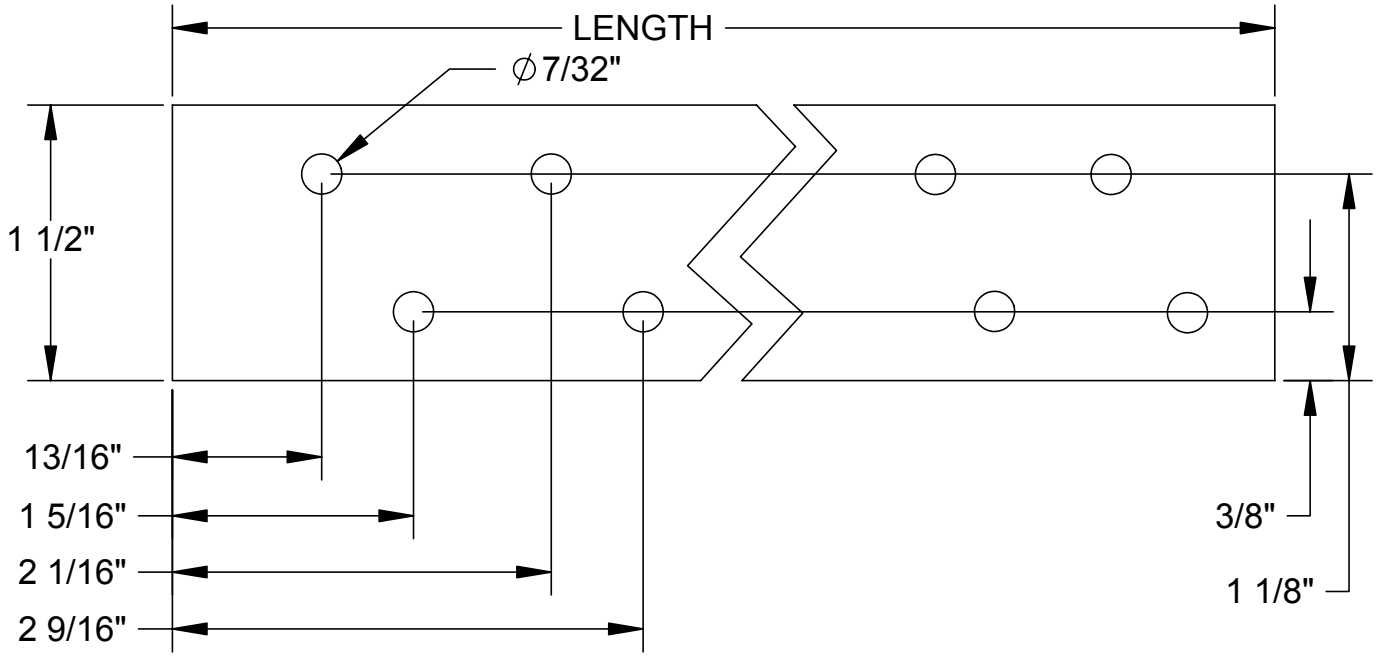
Dr. EG
Chk. SB
Appr. sb
Date
6/10

Greenfield Mfg Co
920 Levick St , Phila.,Pa. 19111- 5498

FHA PLATE

FSCM 98320

P/N **FIG - 916 - X**



P/N	LENGTH	FASTENERS	ALLOWABLE TENSION LOAD			
			DF/SP		SPF/HF	
			(133)*	(160)*	(133)*	(160)*
918-6	6	8 - 16d	750	900	650	775
918-9	9	8 - 16d	750	900	650	775
918-12	12	8 - 16d	750	900	650	775
918-18	18	8 - 16d	750	900	650	775

*** SEISMIC AND WIND LOADINGS ARE INCREASED 33% (133) OR 60% (160) FOR LOAD DURATION**

MADE IN USA

MATERIAL
STEEL 18 GA

FINISH
NONE

TOLERANCES
XXX
XX
FR

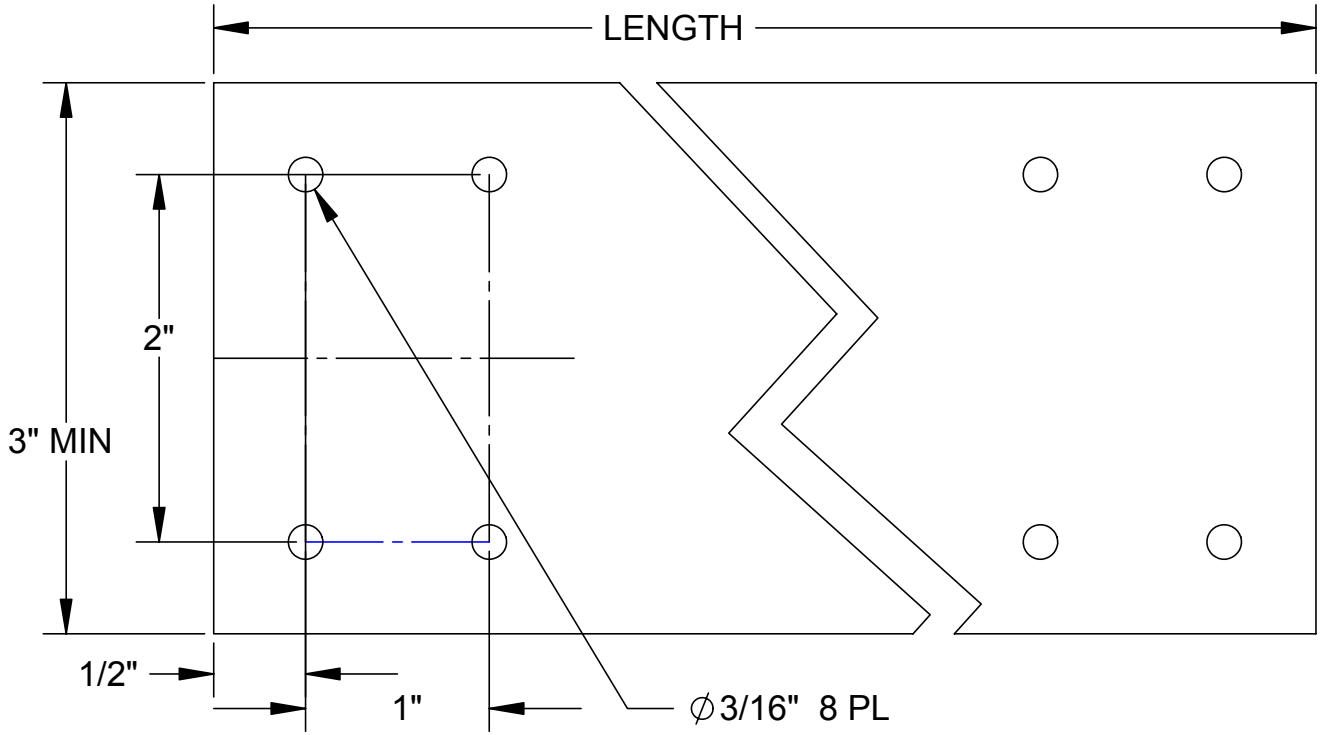
Dr. EG
Chk. SB
Appr. sb
Date
6/10

Greenfield Mfg Co
920 Levick St , Phila.,Pa. 19111-5498

FHA PLATE

FSCM 98320

P/N **FIG - 918 - X**



P/N	LENGTH	FASTENERS	ALLOWABLE TENSION LOAD			
			DF/SP		SPF/HF	
			(133)*	(160)*	(133)*	(160)*
919-6	6	8 - 16d	750	900	650	775
919-12	12	8 - 16d	750	900	650	775
919-18	18	8 - 16d	750	900	650	775

*** SEISMIC AND WIND LOADINGS ARE INCREASED 33% (133) OR 60% (160) FOR LOAD DURATION**

MADE IN USA

MATERIAL
STEEL 18 GA

FINISH
NONE

TOLERANCES
XXX
XX
FR

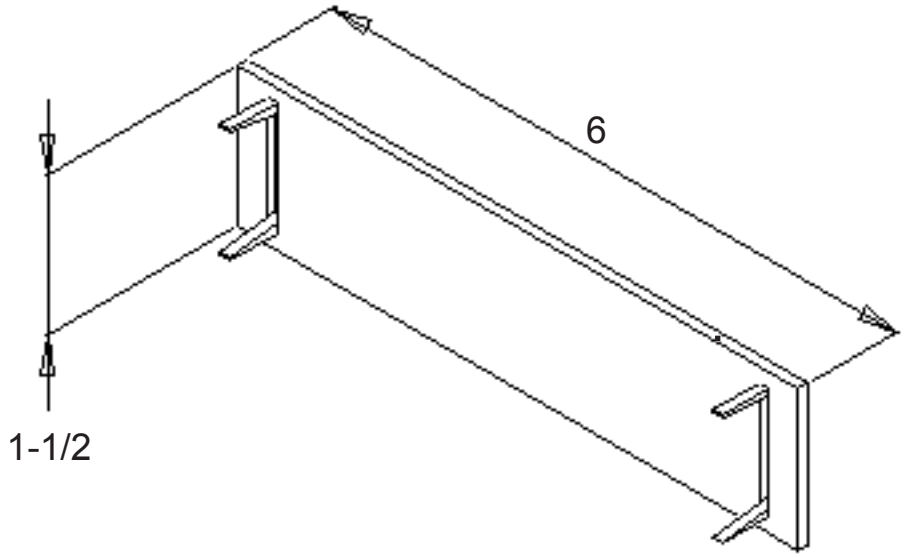
Dr. EG
Chk. SB
Appr. sb
Date
6/10

Greenfield Mfg Co
920 Levick St , Phila.,Pa. 19111-5498

FHA PLATE - 3 INCH WIDE

FSCM 98320

P/N **FIG - 919 - X**



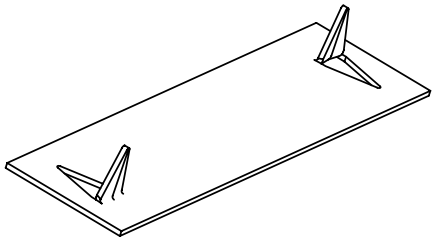
Made in USA

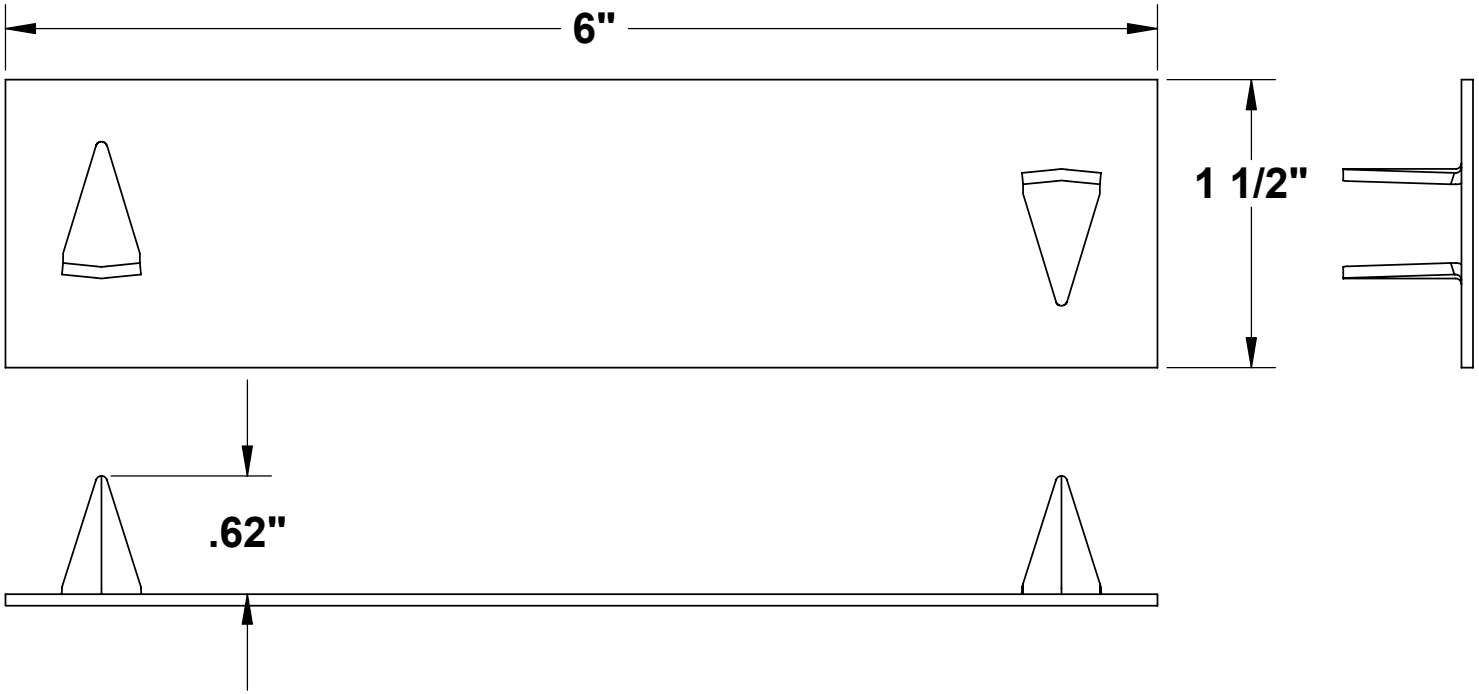
Greenfield Mfg Co Inc

920 Levick Street, Philadelphia PA. 19111-5498

Material 18 Ga.	**Stud Guard**
Finish None	**FIG. NO:** 920

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





Made in USA

P/N	MATERIAL GAGE
922-16	16
922-18	18
922-20	20

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL

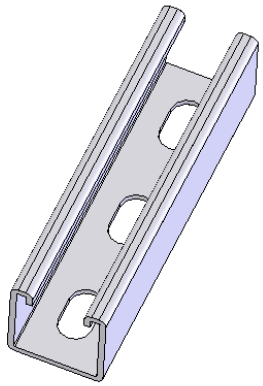
DO NOT SCALE DRAWING

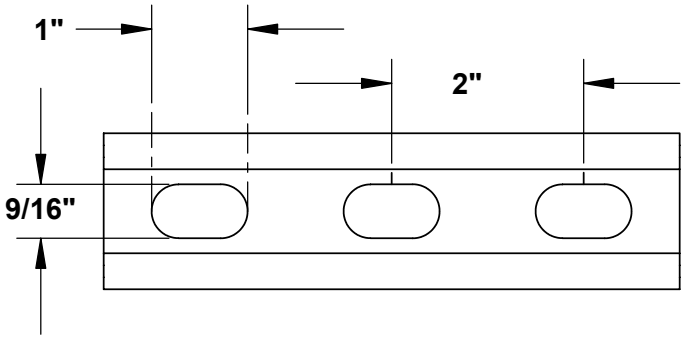
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

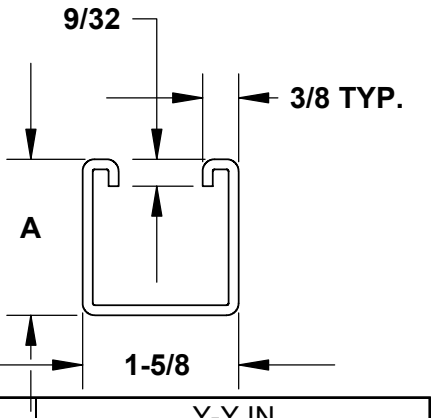
APPROVALS	DATE
DRAWN EG	1/05
CHECKED SB	1/05

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N FIG 922 -X
INTERLOCKING (BEER CAN TYPE) STUD GUARD
SCALE CAD FILE: 922.SLDDRW







					X-X AXIS			Y-Y IN		
P/N	GAGE	A DIM	WT/FT	AREA	I in^2	S in^3	R in	I in^2	S in^3	R in
930-1	12	1-5/8 in	1.94	5.44	0.180	0.195	0.575	0.233	0.287	0.655
930-2	14	13 /16 in	1.04	0.275	0.028	0.060	0.319	0.116	0.142	0.649

		SPAN in.										
PN	NOTE#	18	24	30	36	42	48	60	72	84	96	120
930-1	1	2213	1680	1340	1125	950	855	690	550	490	430	335
	2	2213	1680	1340	1125	950	757	484	336	247	189	121
	3	0.031	0.055	0.086	0.125	0.168	0.225	0.356	0.594	0.693	0.915	1.382
	4	11300	9700	8850	8600	7550	6720	5800	4970	4250	3500	2100
930-2	1	625	468	380	310	270	235	190	155	130	*	*
	2	625	451	289	200	147	113	72	50	36	*	*
	3	0.058	0.103	0.164	0.232	0.32	0.417	0.658	0.928	1.235	*	*
	4	4600	4150	3900	3580	3300	2900	2550	750	560	*	*

NOTES

1= ALLOWABLE UNIFORMLY DISTRIBUTED LOAD @ 25 KSI STRESS

2= MAX LOAD @ DEFLECTION =1/240 SPAN

3= TOTAL MAX DEFLECTION in.@ 25 KSI STRESS

4= ALLOWABLE COLUMN LOADING

FILE: 930.SLDRW

made in USA

MATERIAL
GALV STEEL
ASTM -A653

FINISH

TOLERANCES
XXX
XX
FR

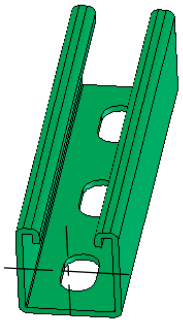
Dr. EG
Chk. SB
Appr. sb
Date
12/12

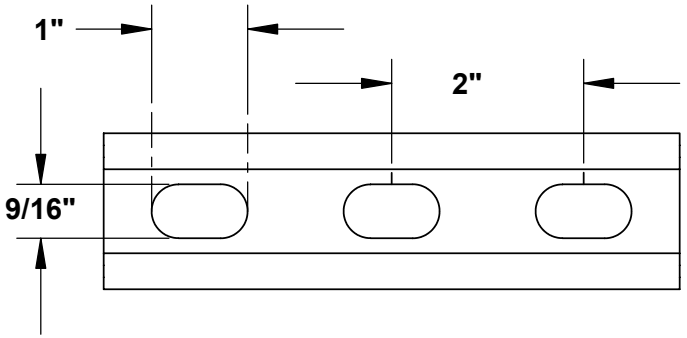
Greenfield Mfg Co
920 Levick St , Philadelphia ,Pa. 19111-5498

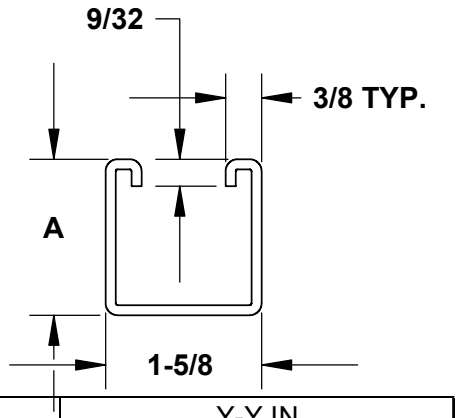
GALVANIZED STRUT

FSCM 98320

P/N 930 -1 , 930 -2







					X-X AXIS			Y-Y IN		
P/N	GAGE	A DIM	WT/FT	AREA	I in^2	S in^3	R in	I in^2	S in^3	R in
931-1	12	1-5/8 in	1.94	5.44	0.180	0.195	0.575	0.233	0.287	0.655
931-2	14	13 /16 in	1.04	0.275	0.028	0.060	0.319	0.116	0.142	0.649

		SPAN in.										
PN	NOTE#	18	24	30	36	42	48	60	72	84	96	120
930-1	1	2213	1680	1340	1125	950	855	690	550	490	430	335
	2	2213	1680	1340	1125	950	757	484	336	247	189	121
	3	0.031	0.055	0.086	0.125	0.168	0.225	0.356	0.594	0.693	0.915	1.382
	4	11300	9700	8850	8600	7550	6720	5800	4970	4250	3500	2100
930-2	1	625	468	380	310	270	235	190	155	130	*	*
	2	625	451	289	200	147	113	72	50	36	*	*
	3	0.058	0.103	0.164	0.232	0.32	0.417	0.658	0.928	1.235	*	*
	4	4600	4150	3900	3580	3300	2900	2550	750	560	*	*

NOTES

1= ALLOWABLE UNIFORMLY DISTRIBUTED LOAD @ 25 KSI STRESS
2= MAX LOAD @ DEFLECTION =1/240 SPAN
3= TOTAL MAX DEFLECTION in.@ 25 KSI STRESS
4= ALLOWABLE COLUMN LOADING

FILE: 931.SLDRW

made in USA

MATERIAL
STEEL
ASTM -A570

FINISH
PAINTED: POWDER
EPOXY GREEN

Dr. EG
Chk. SB
Appr. sb
Date
12/12

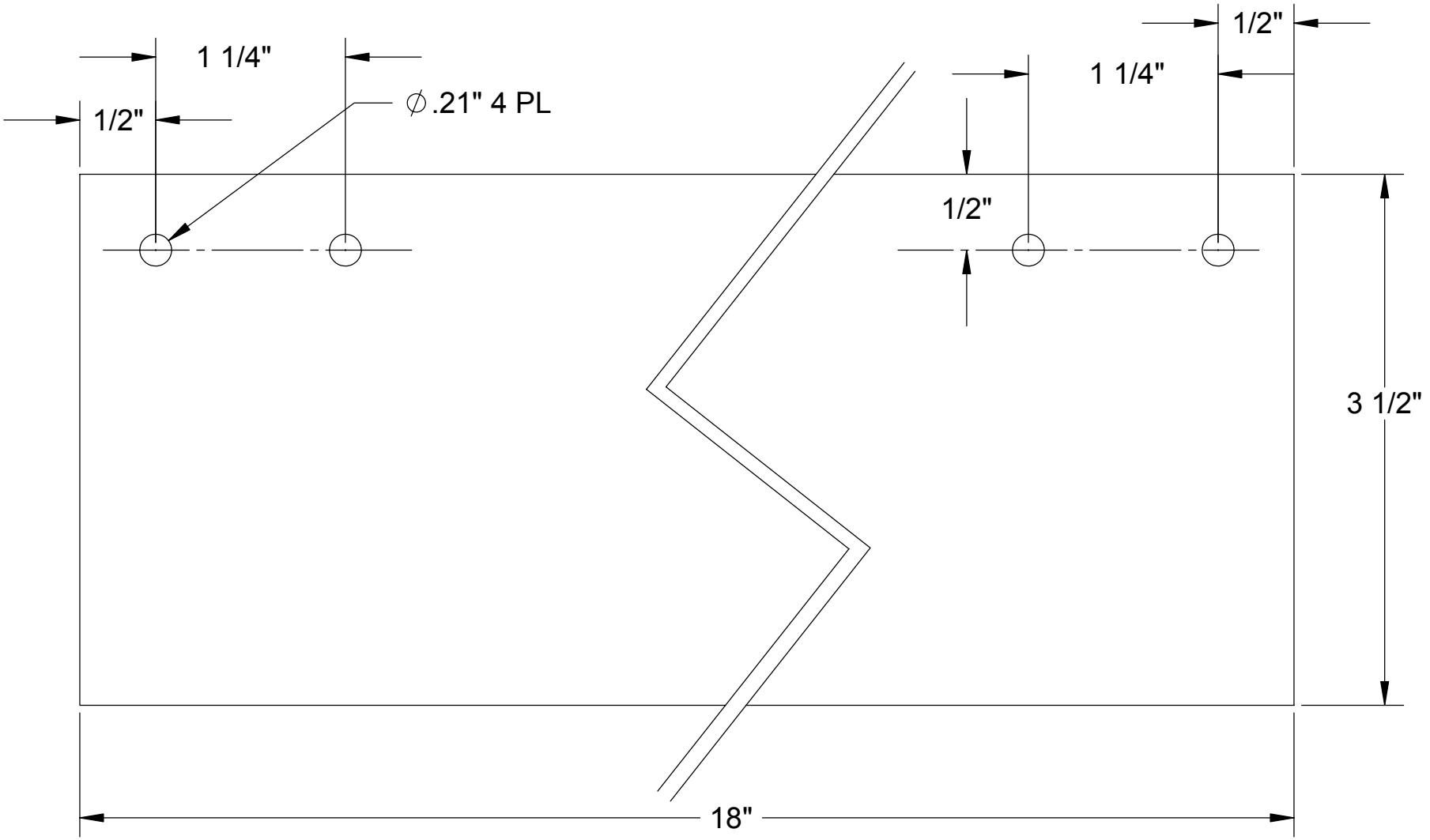
Greenfield Mfg Co
920 Levick St , Philadelphia ,Pa. 19111-5498

PAINTED STRUT

FSCM
98320

P/N 931 -1 , 931 -2

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

FRACTIONS	DECIMALS	ANGLES
+/- 1/8	.XX +/- .03 .XXX +/- .01	.XX + 1

MATERIAL

STEEL 16 GA.

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	EG	1/05
CHECKED	SB	1/05

GREENFIELD MFG CO

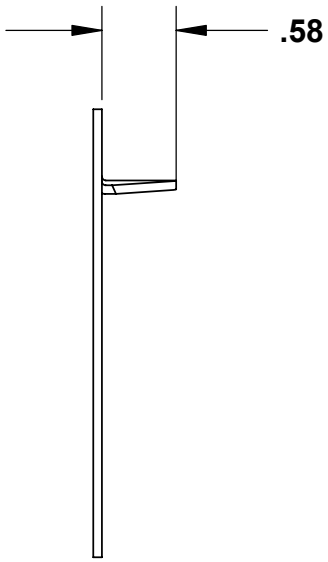
920 LEVICK ST , PHILA.,PA. 19111

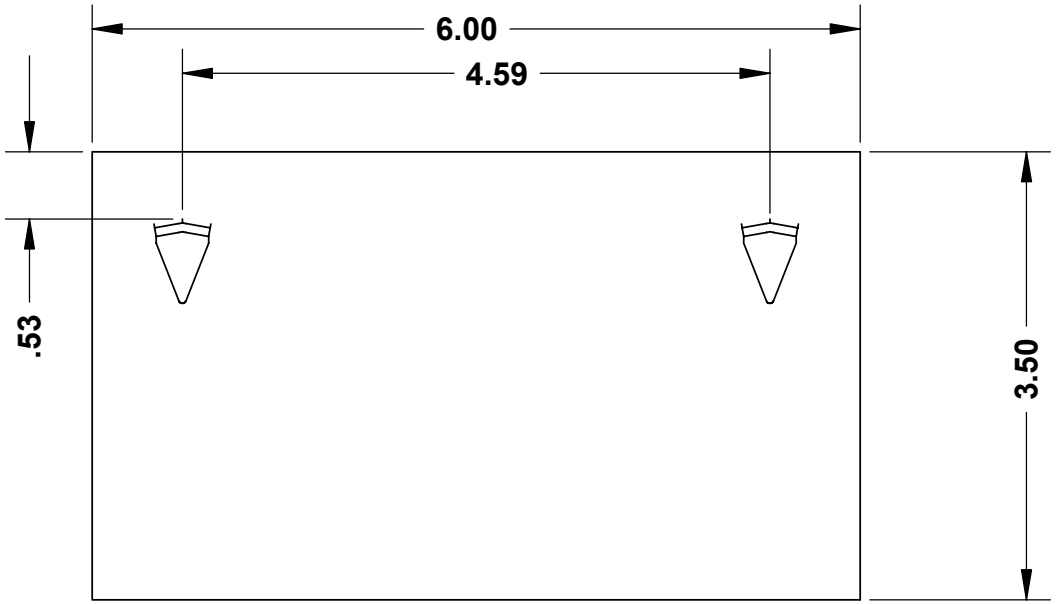
P/N PROTECTOR PLATE

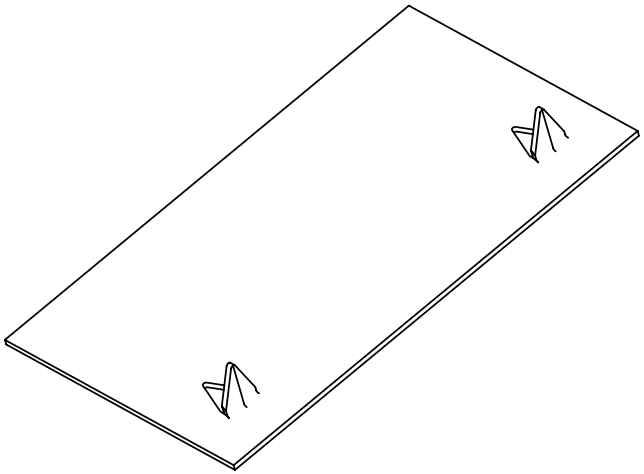
A FIG 935 - 18 REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG IS PROHIBITED







made in USA

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE :
FRACTONS DECIMALS ANGLES
+ .XX+ .XX +1
XXX+.XXX

MATERIAL **STEEL -16 GAGE**

FINISH **NONE**

DO NOT SCALE DRAWING

CAD GENERATED DWG.
DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN MG	
CHECKED SB	
12/12	

GREENFIELD MFG CO
920 LEVICK ST
PHILA . PA. 19111

P/N **3.5 X 6 BOCA PLATE**

A **FIG 936** REV.

CAD FILE FIG936 BOCA

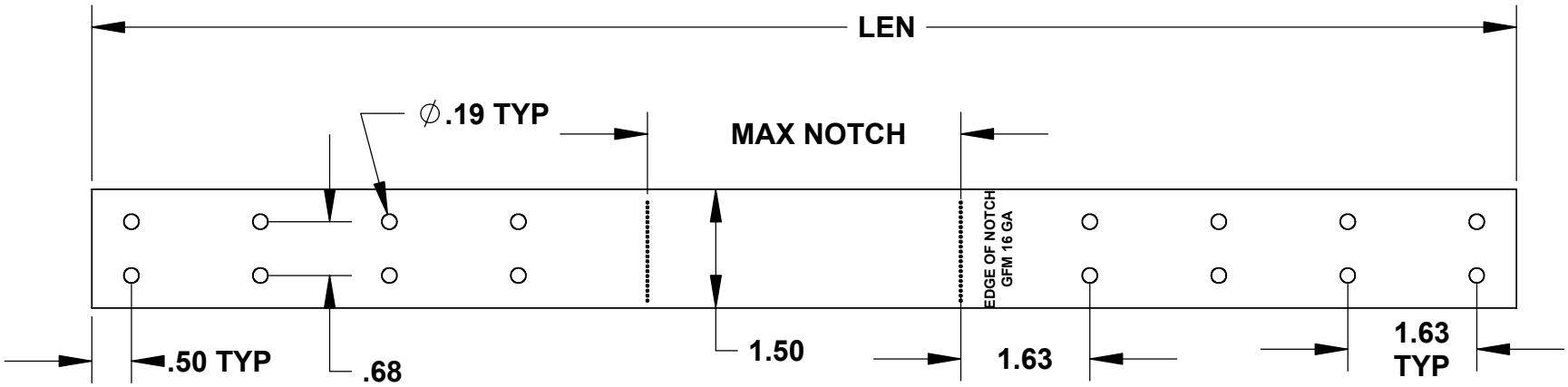


FIG 948- LEN

EXAMPLE: FIG 948-18

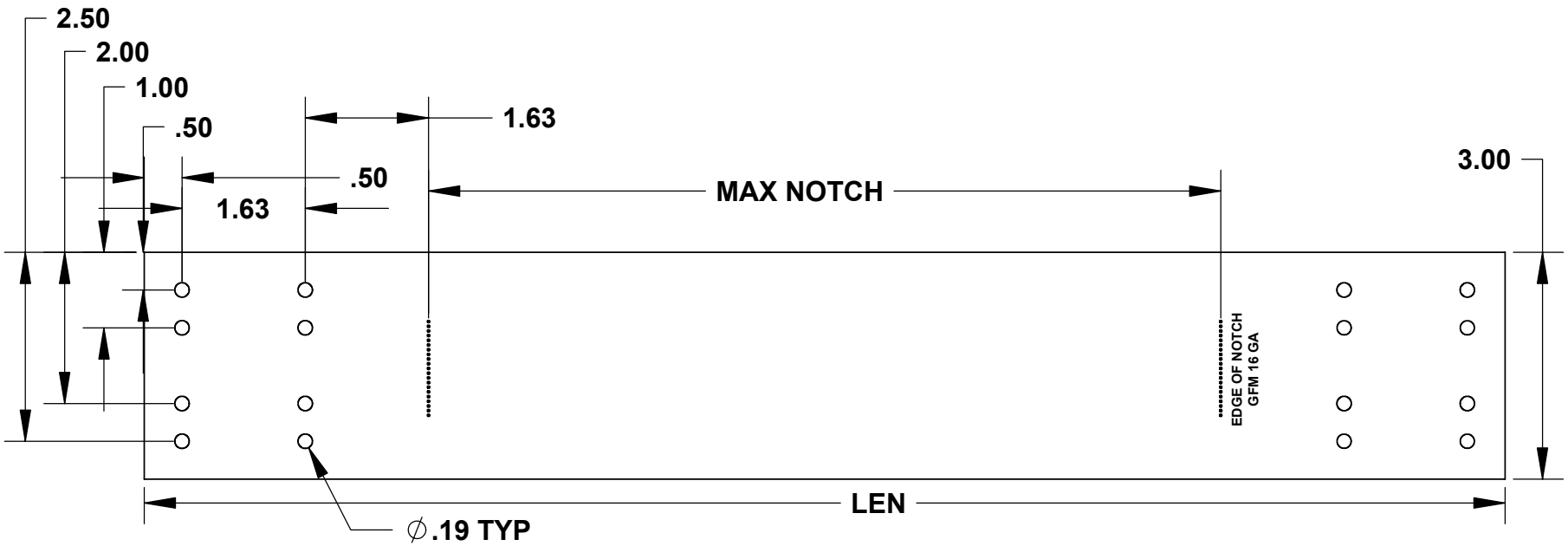
LEN	MAX NOTCH	FASTENERS	ALLOWABLE TENSION LOAD (LBS)			
			DF/SP		SPF/HF	
			(133)*	(160)*	(133)*	(160)*
18	4	16-16d	1500	1800	1300	1550
24	10	16-16d	1500	1800	1300	1550
36	22	16-16d	1500	1800	1300	1550

*** SEISMIC AND WIND LOADINGS ARE INCREASED 33% (133) OR 60% (160) FOR LOAD DURATION**

REF:
INTERNATIONAL RESIDENTIAL CODE SECTION 602.6.1

Made in USA

MATERIAL: Steel 16 GA		**Greenfield Mfg Co** 920 Levick St , Phila.,Pa. 19111 - 5498	
FINISH: NONE	TOLERANCES XXX XX FR	Dr. EG Chk. SB Appr. sb Date 4/06	**16 HOLE PLATE**
		FSCM 98320	P/N **FIG - 948**



LEN	MAX NOTCH	FASTENERS	ALLOWABLE TENSION LOAD (LBS)			
			DF/SP		SPF/HF	
			(133)*	(160)*	(133)*	(160)*
18	10.5	16-16d	1500	1800	1300	1550
24	16.5	16-16d	1500	1800	1300	1550
36	28.5	16-16d	1500	1800	1300	1550

P/N : FIG 949 - LEN

EXAMPLE : 949 - 18

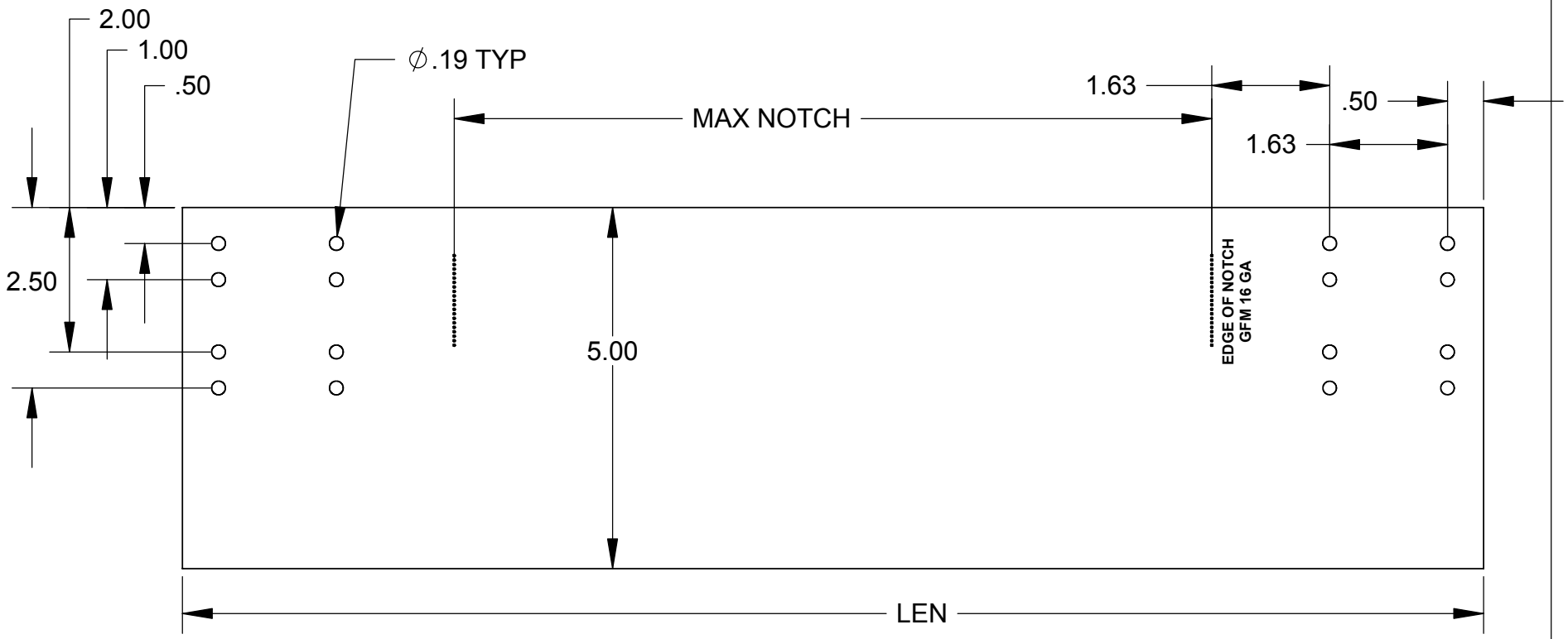
*** SEISMIC AND WIND LOADINGS ARE INCREASED 33% (133) OR 60% (160) FOR LOAD DURATION**

REF:
INTERNATIONAL RESIDENTIAL CODE SECTION 602.6.1

Made in USA

FIG 949R2.SLDDRW

MATERIAL: **Steel 16 ga**		**Greenfield Mfg Co** 920 Levick St , Phila.,Pa. 19111-5498	
FINISH: **NONE**	TOLERANCES XXX XX FR	Dr. EG Chk. SB Appr. sb Date **4/06**	**16 HOLE PLATE** FSCM 98320 P/N **FIG - 949**



LEN	MAX NOTCH	FASTENERS	ALLOWABLE TENSION LOAD (LBS)			
			DF/SP		SPF/HF	
			(133)*	(160)*	(133)*	(160)*
12	5.5	16-16d	1500	1800	1300	1550
18	10.5	16-16d	1500	1800	1300	1550

Made in USA

REF:
INTERNATIONAL PLUMBING CODE SECTION 305.8
INTERNATIONAL RESIDENTIAL CODE SECTION 602.6.1

***SEISMIC AND WIND LOADINGS ARE INCREASED 33% (133) OR 60% (166) FOR LOAD DURATION**

P/N FIG 950 - LEN
EXAMPLE: 950- 18

FIG950R2.SLDDRW

MATERIAL
Steel 16 GA

FINISH
NONE

TOLERANCES
XXX
XX
FR

Dr. EG
Chk. SB
Appr. sb
Date
1/07

Greenfield Mfg Co

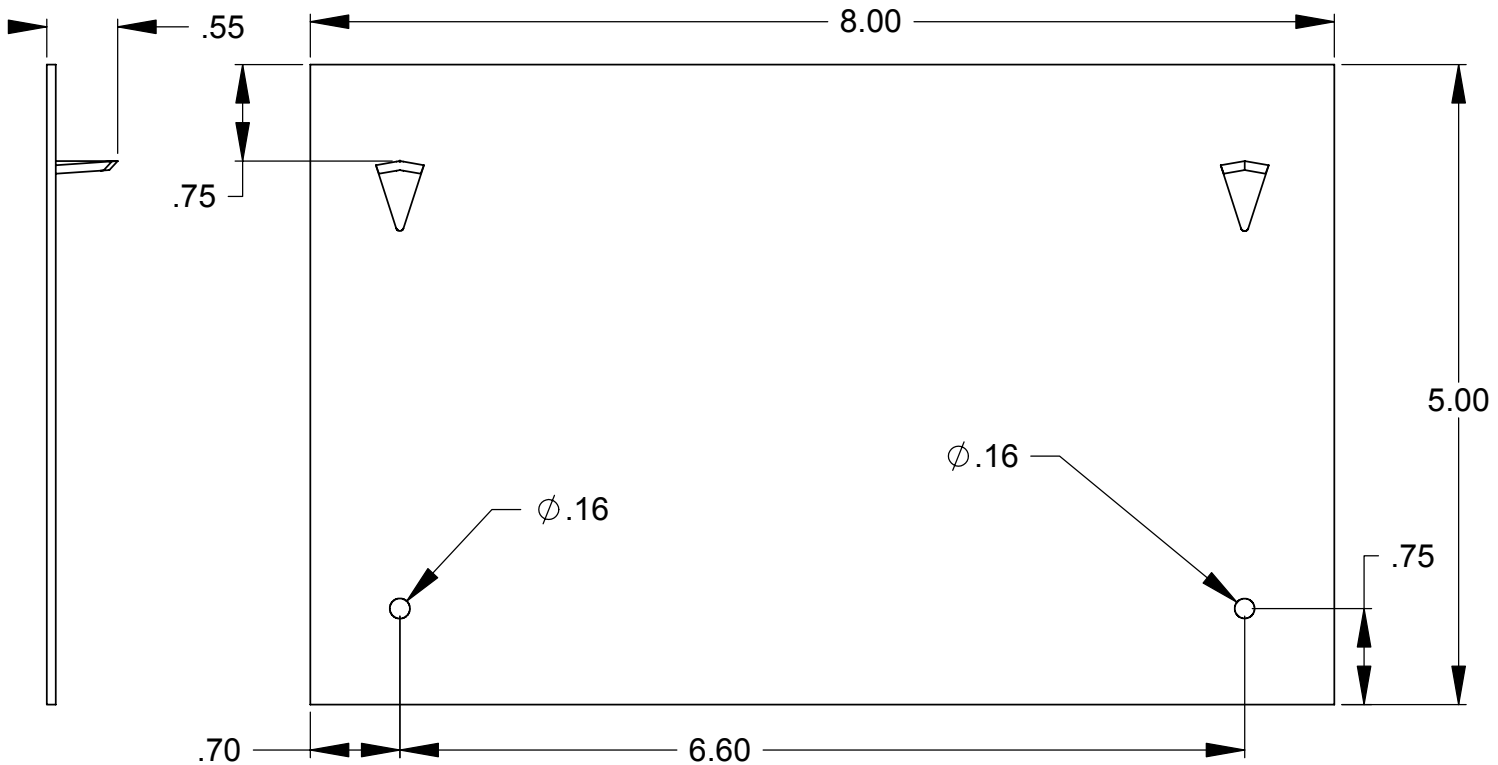
920 Levick St , Phila.,Pa. 19111-5498

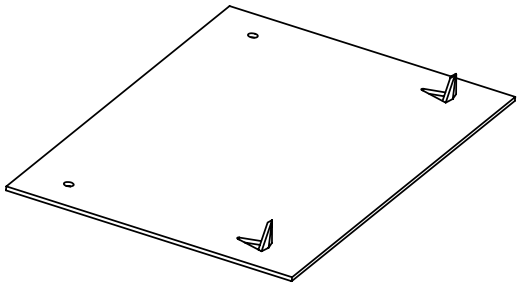
16 HOLE PLATE

FSCM 98320

P/N **FIG - 950**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

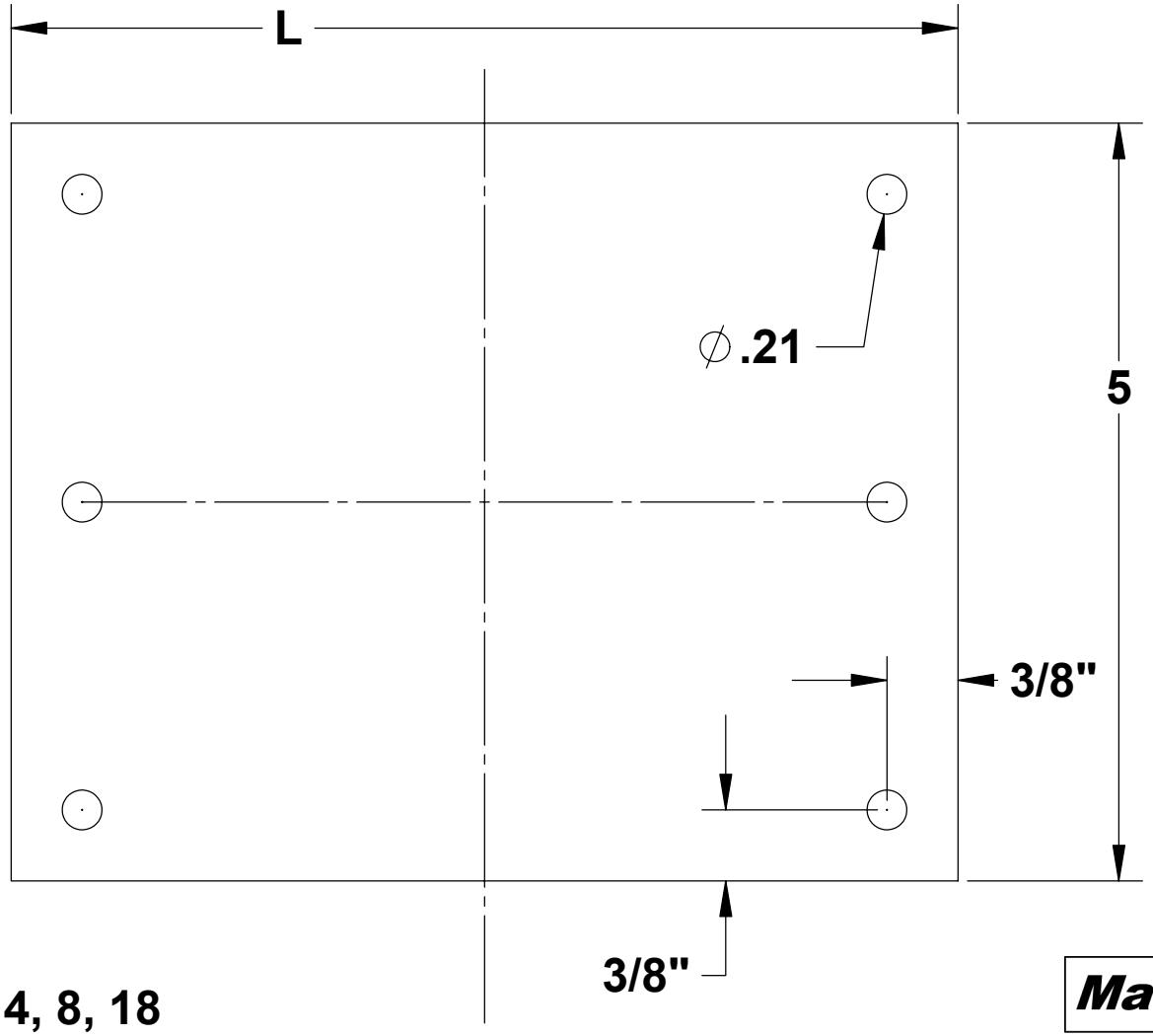




made in USA

957 BOCA PLATE 5X8.SLDDRW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES + .XX+ .XX + 1 .XXX+.XXX	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	***GREENFIELD MFG CO***	
	APPROVALS / DATE	920 LEVICK ST , PHILA.,PA. 19111	
	DRAWN EG		
	CHECKED SB		
MATERIAL STEEL - 16 GAGE	**12/12**	P/N BOCA PLATE	
FINISH NONE		A FIG 957	REV.
DO NOT SCALE DRAWING		SCALE / CAD FILE: BOCA PLATE 5X8	SHEET 1 OF 1



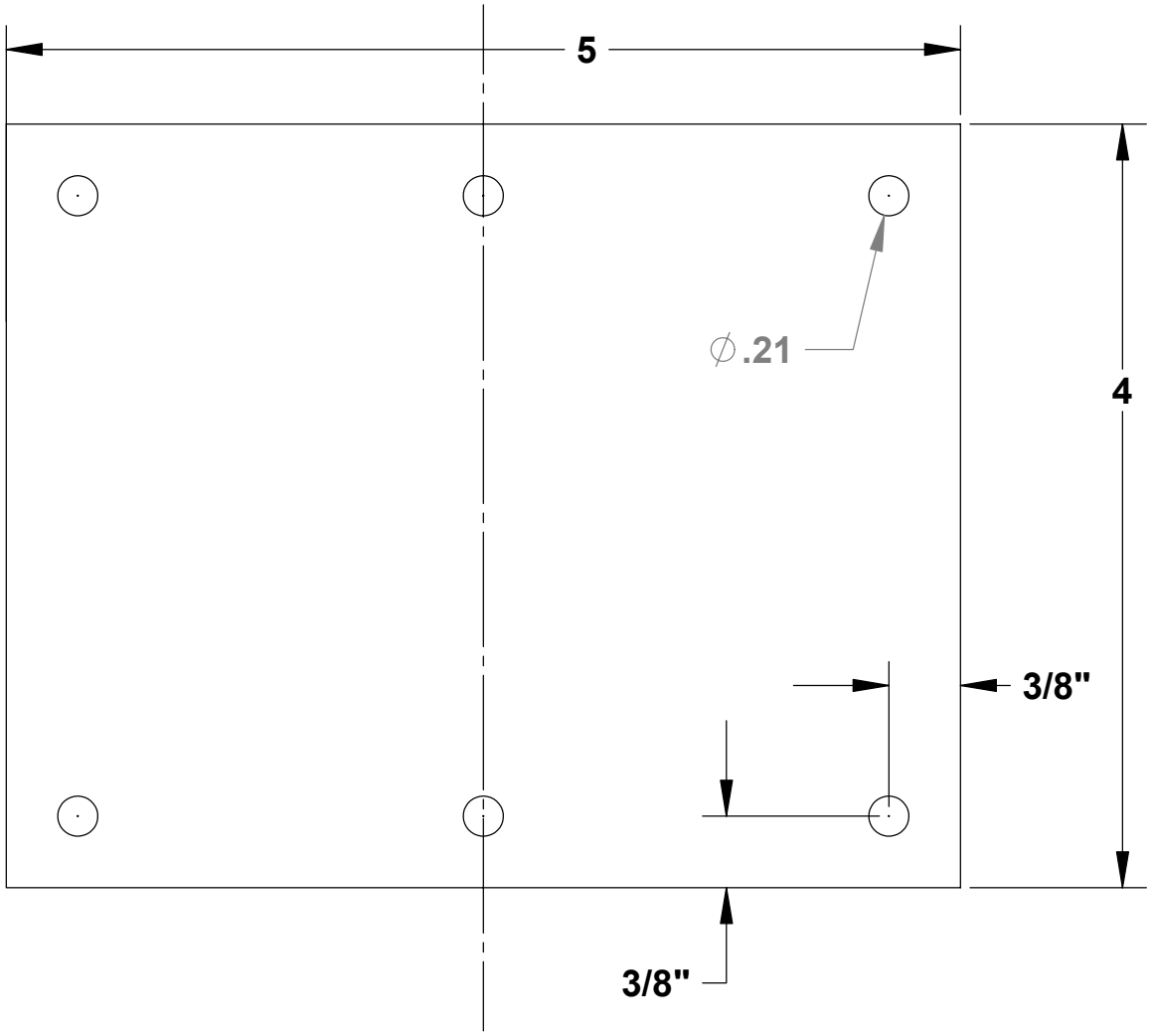
LENGTH = 4, 8, 18

P/N = 958 - L

EXAMPLE 958 - 8

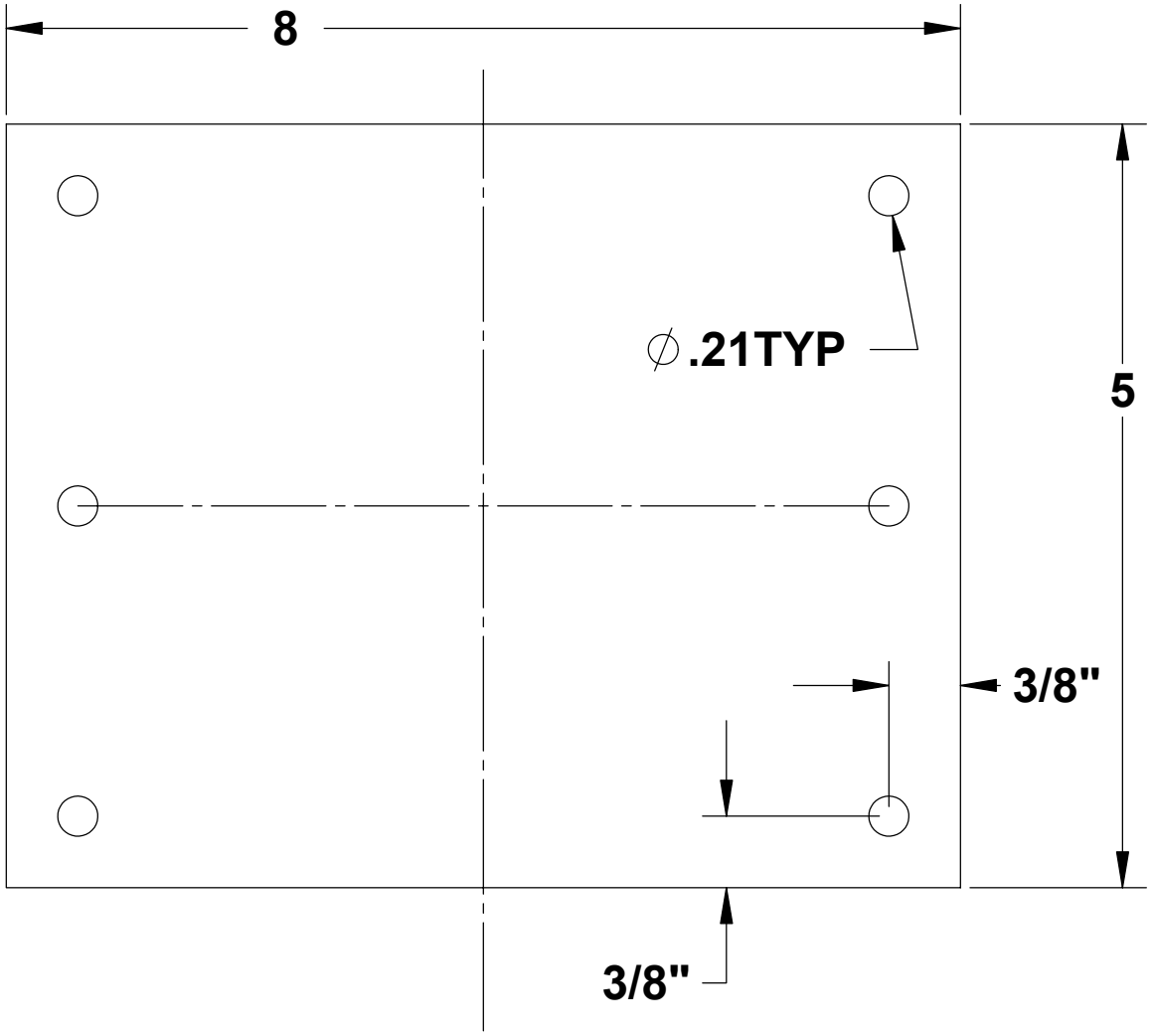
Made in USA

MATERIAL **STEEL 16 Ga**		***Greenfield Mfg Co*** **920 Levick St , Phila.,Pa. 19111-5498**	
FINISH **OPT.**	TOLERANCES XXX XX FR	Dr. EG Chk. SB Appr. sb Date 1/05	**5 INCH WIDE PLATE**
			FSCM 98320 — P/N **FIG - 958**



Made in USA

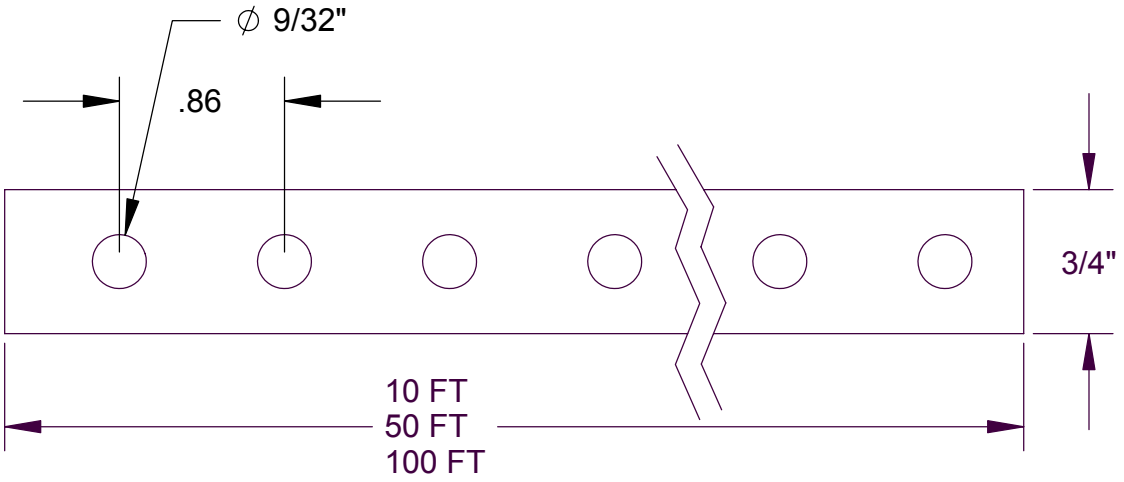
MATERIAL Steel 16 ga		**Greenfield Mfg Co** 920 Levick St , Phils.,Pa. 19111-5498	
FINISH NONE	TOLERANCES XXX XX FR	Dr. EG Chk. SB Appr. sb Date 1/24/04	**5 x 4 - 6 HOLE PLATE** FSCM 98320 P/N **FIG - 958- 5 X 4**



Made in USA

MATERIAL **STEEL 16 Ga**		**Greenfield Mfg Co** **920 Levick St , Phila.,Pa. 19111-5498**	
FINISH **OPT.**	TOLERANCES XXX XX FR	Dr. EG Chk. SB Appr. sb Date 6/06	**5 x 8 PLATE** FSCM 98320 P/N **FIG - 958-8**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



GAGE	MINIMUM THICKNESS	WIDTH	MAX STATIC WORKING LOAD-LBS
24	.021	.75	70
20	.033	.75	110
18	.043	.75	140

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL

DO NOT SCALE DRAWING

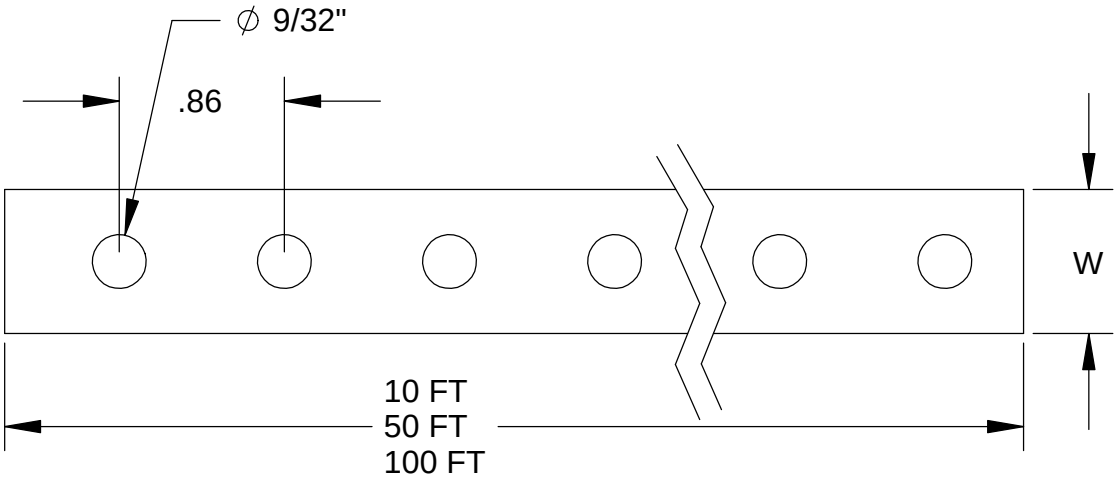
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	10/10
CHECKED SB	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N STEEL STRAPPING
A FIG 970 REV.
SCALE CAD FILE: FIG 970 STRAPPING SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



GAGE	MINIMUM THICKNESS	WIDTH W	MAX STATIC WORKING LOAD-LBS
28	.011	.75	40
24	.021	.75	70
22	.028	.75	90
20	.033	.75	110
18	.043	.75	140
16	.053	.75	175
14	.070	1.00	300
12	.097	1.25	600

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
STEEL
GALVANIZED OR EQUAL

DO NOT SCALE DRAWING

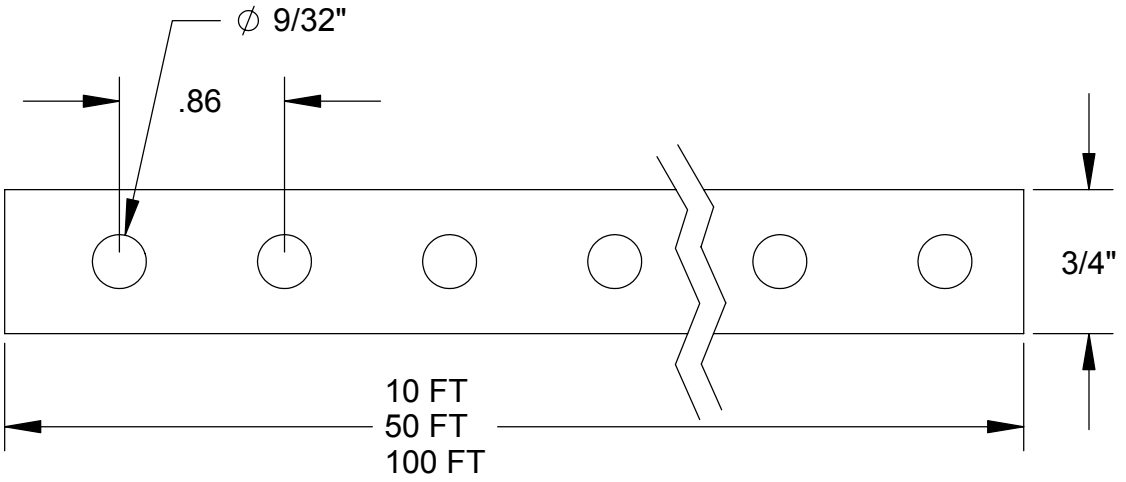
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	3/12
CHECKED SB	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

P/N GALV STRAPPING
A FIG 971 REV.
SCALE CAD FILE: FIG 971 STRAPPING SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



GAGE	MINIMUM THICKNESS	WIDTH	MAX STATIC WORKING LOAD-LBS
24	.021	.75	70

Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL STEEL COPPER PLATED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	12/12
CHECKED SB	

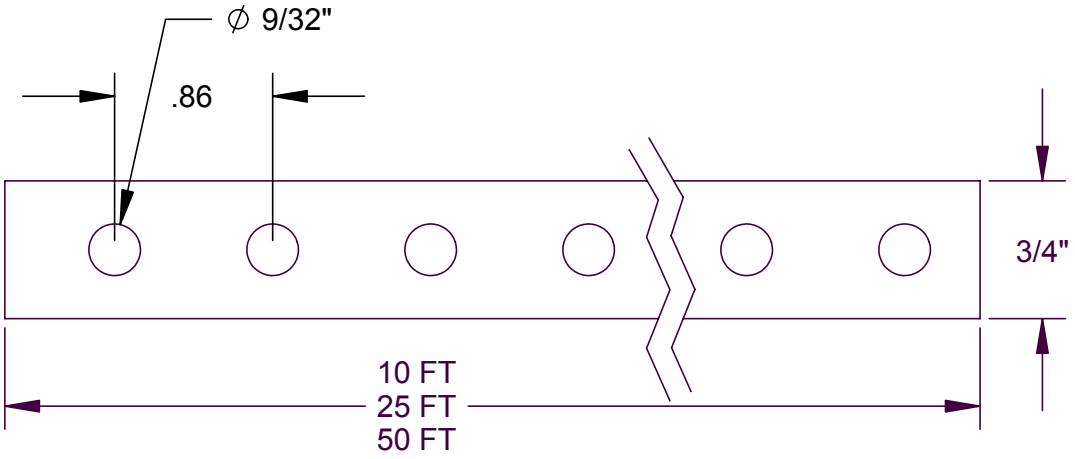
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

COPPER PLATED STRAPPING

A FIG 972 REV.

SCALE CAD FILE: FIC 972 STRAPPING SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



GAGE	MINIMUM THICKNESS	WIDTH	MAX STATIC WORKING LOAD-LBS
22	.028	.75	100

MADE IN USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
1/2 HARD COPPER
CDA 110

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	4/11
CHECKED SB	

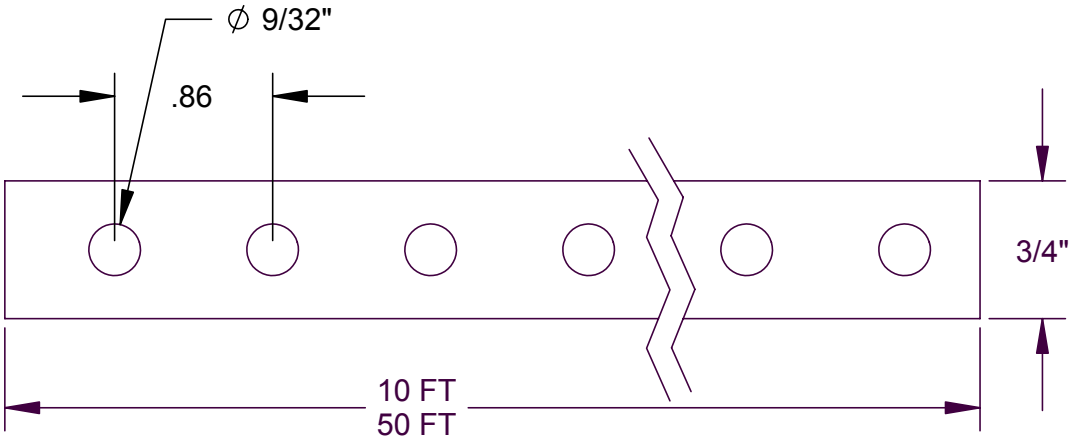
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

PURE COPPER STRAPPING

A FIG 974 REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.



GAGE	MINIMUM THICKNESS	WIDTH	MAX STATIC WORKING LOAD-LBS
22	.027	.75	150

MADE IN USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL STAINLESS STEEL 300 SERIES

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	

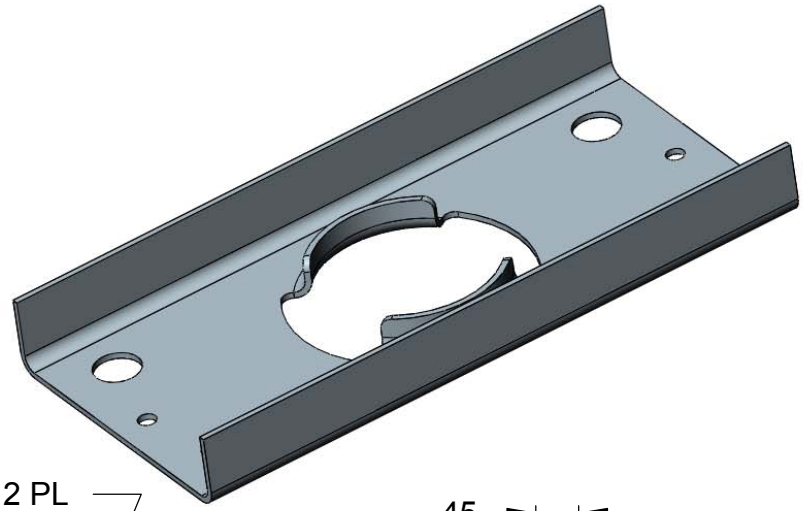
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

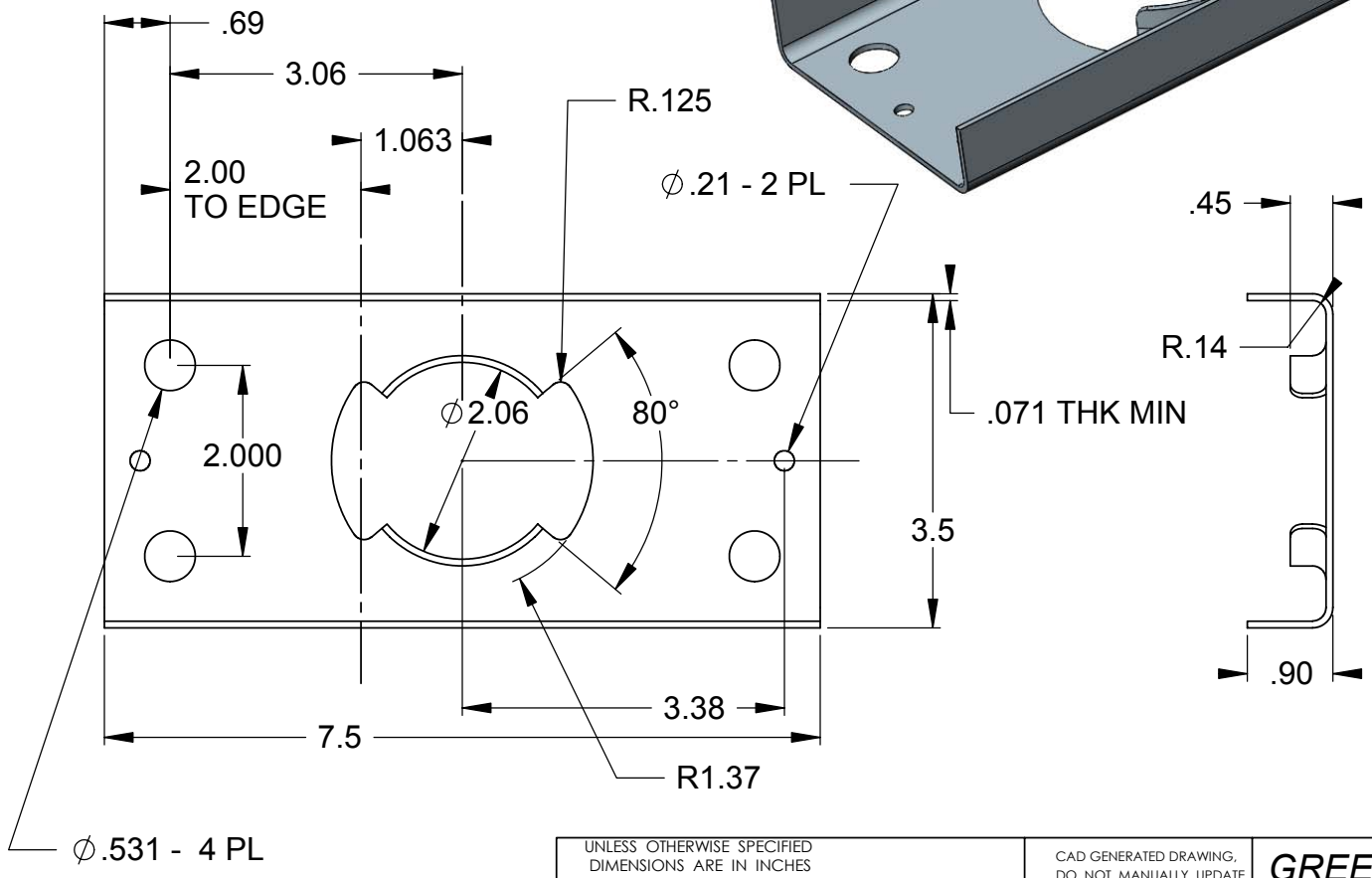
STAINLESS STRAPPING

A FIG 975 REV.

SCALE CAD FILE: SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL COM'L STEEL GALVANIZED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	EG	1/06
CHECKED	SB	1/06

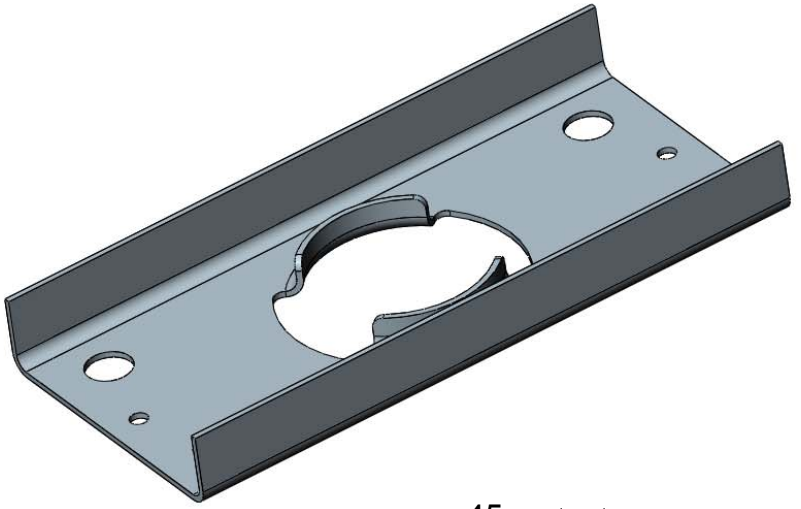
GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

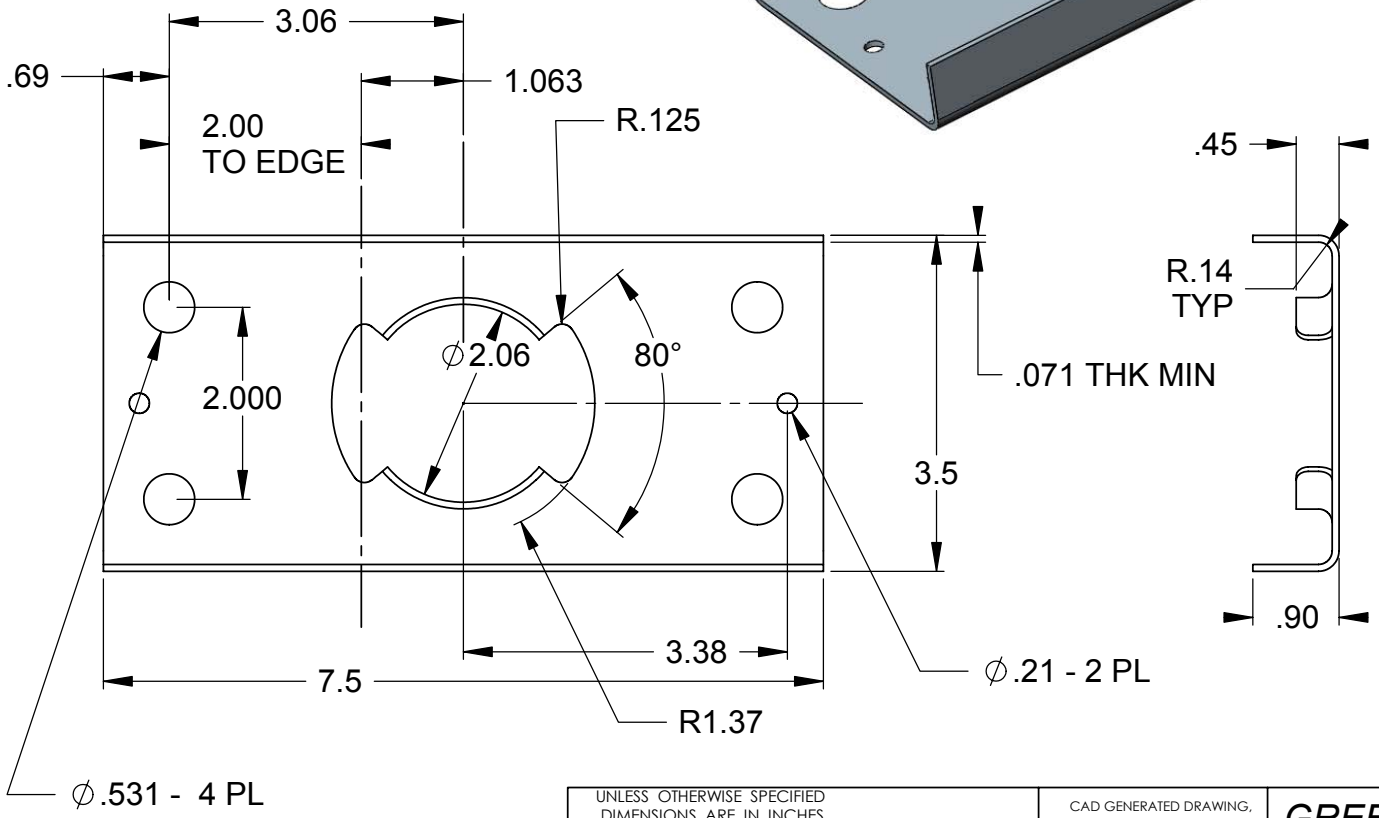
SINGLE STUDFIXER

A P/N 534-1 REV.

SCALE STD5341.SLDRW SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.





Made in USA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL
HSLA GRADE 40
STEEL GALVANIZED

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	1/06
CHECKED SB	1/06

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

DOUBLE,TRIPLE
STUDFIXER

A P/N 534-2,3 REV.

SCALE CONTROL STD53423.SLDRW SHEET OF

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF GREENFIELD MFG CO ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF GREENFIELD MFG CO IS PROHIBITED.

HEX NUTS,ZN PLTD	371	ASTM A563 Grade A		1/4 … 1.0
HVY HEX NUTS	172	ASTM A563 Grade A		1/4 … 1.0
HVY HEX NUTS,ZN PLTD	372	ASTM A563 Grade A		1/4 … 1.0
ROD COUPLINGS	151	IFI 128		1/4 … 1.0
WASHERS	153	ANSI B18.2.1	USS	1/4 … 1.0
WASHERS,ZN PLTD	353	ANSI B18.2.1	USS	1/4 … 1.0
BOLTS	156	ASTM A307 Grade A		5/8 AND 3/4
THREADED ROD	900/901	MSS SP-58	LOW CARBON	1/4 … 1.0
THREAD ROD SIZE	**MAX REC LOAD LBS**			
3/8 - 16	**600**			
1/2 - 13	**1100**			
5/8 - 11	**1800**			
3/4 - 10	**2700**			
7/8 - 9	**3700**			
1 - 8	**4900**			

THREAD ROD CONFORMS TO MSS SP-58
LOW CARBON STEEL ALL THREAD ROD
6 FT LENGTHS ONLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS +/- 1/8 DECIMALS .XX +/- .03 .XXX +/- .01 ANGLES .XX + 1

MATERIAL **STEEL**

DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS	DATE
DRAWN EG	
CHECKED SB	
7/13	

GREENFIELD MFG CO
920 LEVICK ST , PHILA.,PA. 19111

HARDWARE SPECS

A | P/N | REV.

SCALE | CAD FILE: | SHEET OF