



tipco 

Manufacturing Capabilities

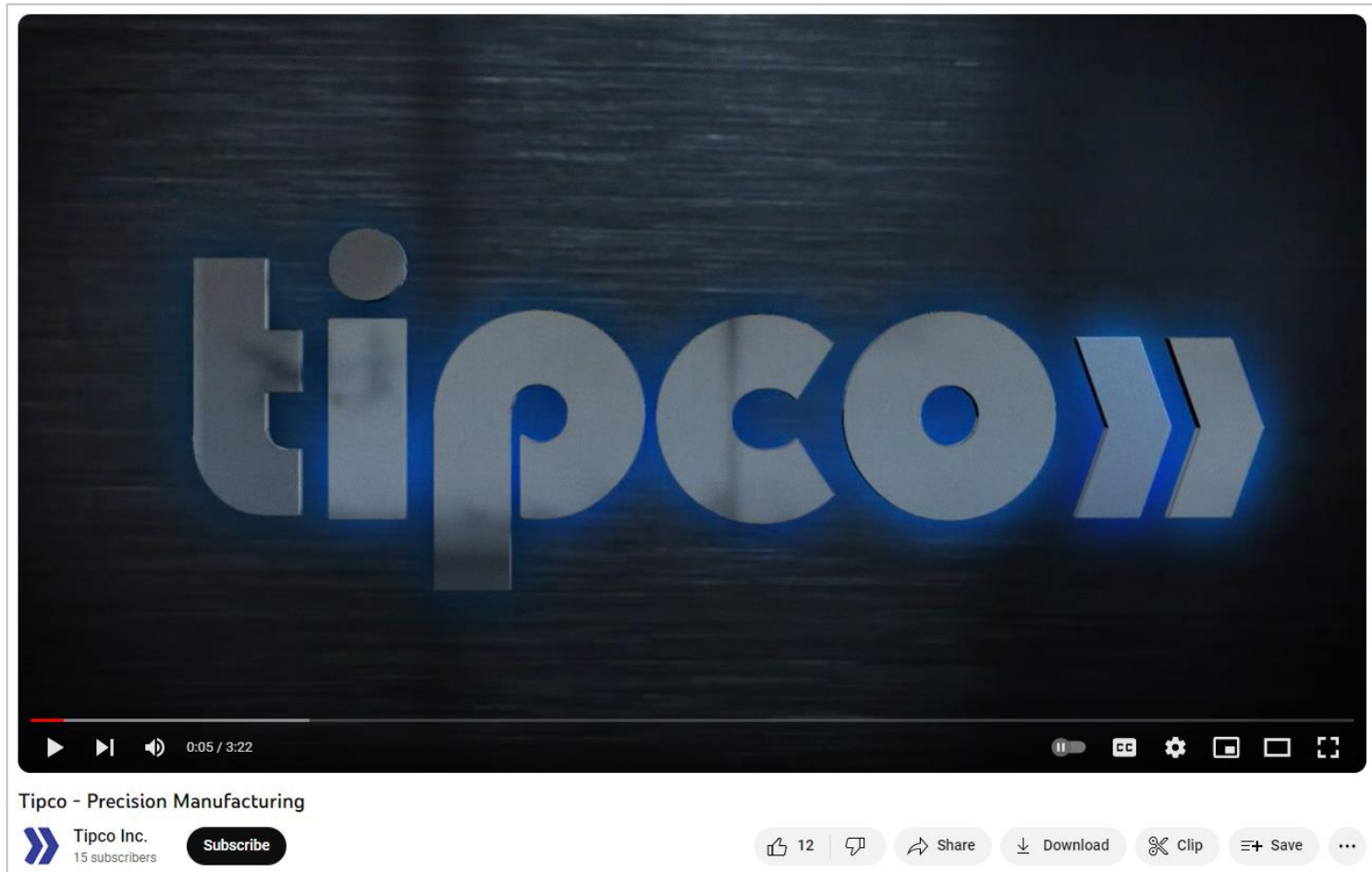
2024

Founded in 1959, Tipco has been providing companies all over the world with high-quality and innovative precision tooling components for 60+ years. Tipco manufactures products for a diverse range of industries, including the metal stamping and plastic molding sectors.

Tipco continues to be a key supplier to customers requiring complex tooling solutions for high strength steel, stainless steel, and aluminum work materials. Tipco also continues to be a key supplier to plastics and other material manufacturing firms.

Tipco is committed to operational and customer service excellence. Our commitment extends to manufacturing superior products, providing invaluable customer support and service, and exceeding industry standards.





CERTIFICATIONS



DELIVERY TIMES



Standard Delivery (Lead) Times

Mfg. from Inventory (Stock)	
Part Description	Delivery
Round	2 w/d
Round Ejector	3 w/d
Shape	4 w/d
Shape Ejector	5 w/d

Mfg. from Inventory (Stock) + Coating	
Part Description	Delivery
Round + Coating*	4-5 w/d
Round Ejector + Coating*	5-7 w/d
Shape + Coating*	7-10 w/d
Shape Ejector + Coating*	7-10 w/d

* Standard Coating

Mfg. from Bar	
Part Description	Delivery
Round parts(< 10 pcs)	min. 12 w/d

Mfg. Flat Parts	
Part Description	Delivery
Blade type, Retainers, Shear knives (< 10 pcs)	min. 12 w/d

w/d = Working Days



PRODUCTS



Standard (Catalog)



Special (Custom)



PRODUCTS



Standard (Catalog)



PRODUCTS



Standard Catalog Items (Inch, Metric)

tipco
CATALOG
PUNCHES AND DIES
ME series

Material: HSS - M2 Hardness: HRC 62-64
P10 (See Request)

MEB MEC MEO MER MEL MEF MEH

For qualified shapes see page 46.

D1	D2	T	L	ROUND	SHAPE	L
			RANGE P	MIN W	G/P MAX	71 80 90 100
40.0	40.0	5	2500	25.0-39.99	8.0	33.99 X X X X
45.0	45.0	5	2500	25.0-44.99	9.0	44.99 X X X X
50.0	50.0	5	2500	30.0-49.99	10.0	49.99 X X X X
55.0	55.0	5	2500	35.0-59.99	11.0	59.99 X X X X
60.0	60.0	5	2500	40.0-69.99	12.0	69.99 X X X X

Longer lengths (L) available upon request.
For standard alterations see pages 47-49 & 48.
For full size see page 46.

Order Example:

tipco QUOTE SHEET PUNCHES

CUSTOMER		DIE / DETAIL #		UOM	QUANTITY	DIAMETER (D1)	
ROUND (C)	OBLONG (O)	RECTANGLE (R)	LONG LIFE (L)	FLATTED (F)	SHAPE*	LENGTH (L)	
						P	R*
						W*	A*
						SBR	B
						ALTERATIONS (eg. Alt. Ejector, Shear)	
						ALTERATIONS (eg. Alt. Ejector, Shear)	
						DOWEL SLOT DIAMETER*	
						COATING TYPE	
						ETCHING INSTRUCTIONS	
						MATERIAL**	
						HEAD DIA. (D1) **	HEAD LENGTH (T) **

HEAD TYPE (MT / TP) HEAD EJECTOR (MTE / TE) ULTIMATE EJECTOR (MTU / TUP) ULTIMATE EJECTOR (MUE / TUE) LOCATE METHOD TYPE* LOCATE POSITION (DEGREE)*

F (Depth)* Z (Length)* DOWEL SLOT DIAMETER*

View Through Shank Locate Methods

SF = Single Flat DF = 2x Flat FLF = Full Flat DS = Dowel Slot

BALL LOCK TYPE Heavy Duty (HD) Light Duty (LD)

BS LOCATION

Ex.: MAT. TYPE SHAPE DIA. LENGTH P / W / R SBR LOCATE DETAILS COAT
M2 MT O 16 125 P10.0 W8.0 25 SF @ 90° TIN

SALES@TIPCOINC.COM 1-800-268-0115 **tipco** WWW.TIPCOPUNCH.COM

tipco QUOTE SHEET DIE BUTTONS

CUSTOMER		DIE / DETAIL #		UOM	QUANTITY	DIAMETER (D)	
ROUND (C)	OBLONG (O)	RECTANGLE (R)	LONG LIFE (L)	FLATTED (F)	SHAPE*	LENGTH (L)	
						P	R*
						W*	A*
						B	TSK (Slug-Keeper)
						ALTERATIONS (eg. Shear)	
						ALTERATIONS (eg. Shear)	
						DOWEL SLOT DIAMETER*	
						COATING TYPE	
						ETCHING INSTRUCTIONS	
						MATERIAL**	
						HEAD DIA. (D1) **	HEAD LENGTH (T) **

COUNTERBORE (MTD / TD) COUNTERBORE HEAD (MTH / TH) TAPERED (MFD / FD) TAPERED HEAD TYPE (MFH / FH) LOCATE METHOD TYPE* LOCATE POSITION (DEGREE)*

F (Depth)* Z (Length)* DOWEL SLOT DIAMETER*

Locate Methods

SF = Single Flat FLF = Full Flat DF = 2x Flat DS = Dowel Slot DSF = Dowel Slot WTL = Window Lock

WIRE (MPDW / FDW) WIRE HEADED (MPHW / FHW) BL COUNTERBORE (MBLD / BLD) BL TAPERED (MBFLD / FBLD)

SF3 (BOTTOM) SF4 (TOP)

Ex.: MAT. TYPE SHAPE DIA. LENGTH P / W / R B LOCATE DETAILS OTHER
M2 MFD O 16 30 P10.0 W8.0 8.0 SF4 1.6 X 15.0 TSK

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The logo for tipco, featuring the word "tipco" in a bold, lowercase, sans-serif font, followed by a blue double chevron symbol.

A large, rectangular metal plate, likely aluminum, with a grid of circular holes. Several vertical pins or rods are protruding from the surface, arranged in a central cluster. The plate is shown at an angle, highlighting its thickness and the precision of the machining.



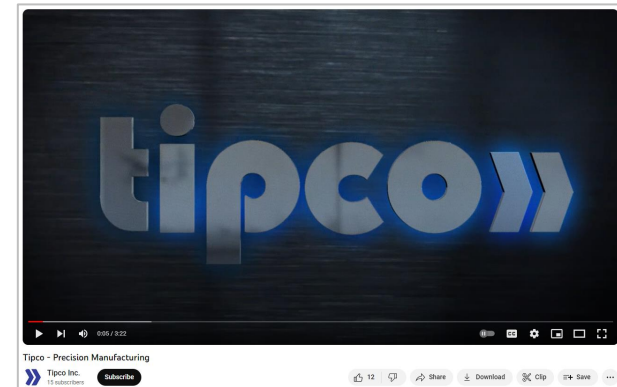
CAPABILITIES



Lathes (Turning)

	QTY.	GROUP	RANGE*				
			<u>DIAMETER</u>		LENGTH	TABLE SIZE	TOLERANCE
			Min.	Max.			
LATHE	5	Swiss Style	0.125	1.250	12.00	N/A	0.001
	3	CNC Turret	0.375	2.000	6.00	N/A	0.001
	2	CNC Double Chuck	0.375	2.500	6.00	N/A	0.001
	1	Semi-Automatic	0.375	9.000	48.00	N/A	0.002

* In Inches



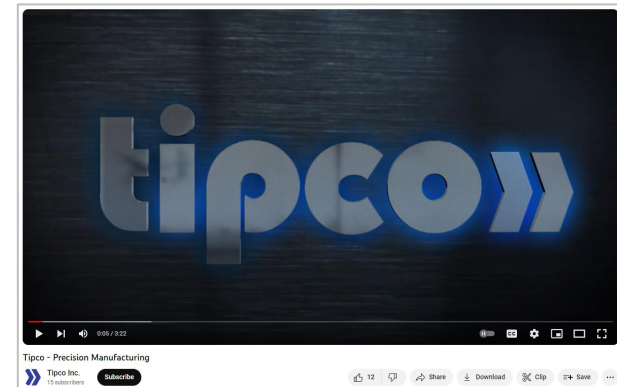
CAPABILITIES



Mills

	QTY.	GROUP	RANGE*				
			<u>DIAMETER</u>		LENGTH	TABLE SIZE	TOLERANCE
			Min.	Max.			
MILL	4	Vertical Conventional	N/A	N/A	N/A	20.00 x 8.00	0.005
	3	Vertical CNC (3+2 Axis)	N/A	N/A	N/A	20.00 x 40.00	0.0005

* In Inches



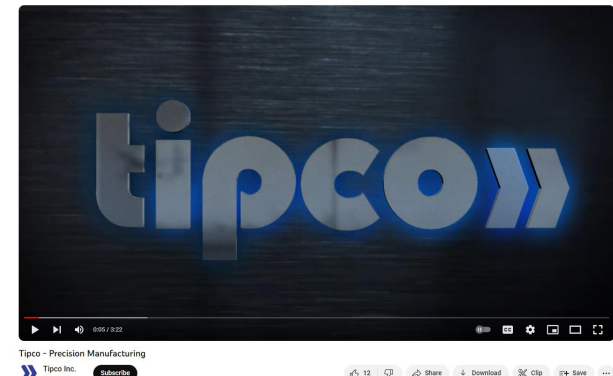
CAPABILITIES



Grinders

	QTY.	GROUP	RANGE*				
			DIAMETER		LENGTH	TABLE SIZE	TOLERANCE
			Min.	Max.			
GRINDERS	10	Surface	N/A	N/A	N/A	24.00 x 12.00	0.0005
	4	CNC Shape	0.250	4.000	4.00	N/A	0.0005
	1	CNC Form	0.250	2.500	1.75	N/A	0.0003
	1	CNC Round	0.200	1.625	6.00	N/A	0.0002
	10	Centerless	0.125	5.000	8.00	N/A	0.0002

* In Inches



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CAPABILITIES



EDM

	QTY.	GROUP	RANGE*				
			<u>DIAMETER</u>		LENGTH	TABLE SIZE	TOLERANCE
			Min.	Max.			
EDM	5	Wire EDM	N/A	N/A	8 - 10	10 x 10 - 14	0.0002

* In Inches



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Heat Treat

	QTY.	GROUP	RANGE*				
			<u>DIAMETER</u>		LENGTH	TABLE SIZE	TOLERANCE
			Min.	Max.			
HEAT TREAT	3	Vacuum Furnace	N/A	N/A	N/A	48 x 32	1500 LBS
	4	Air Furnace	N/A	N/A	N/A	48 x 32	1500 LBS

* In Inches



CAPABILITIES



Inspection

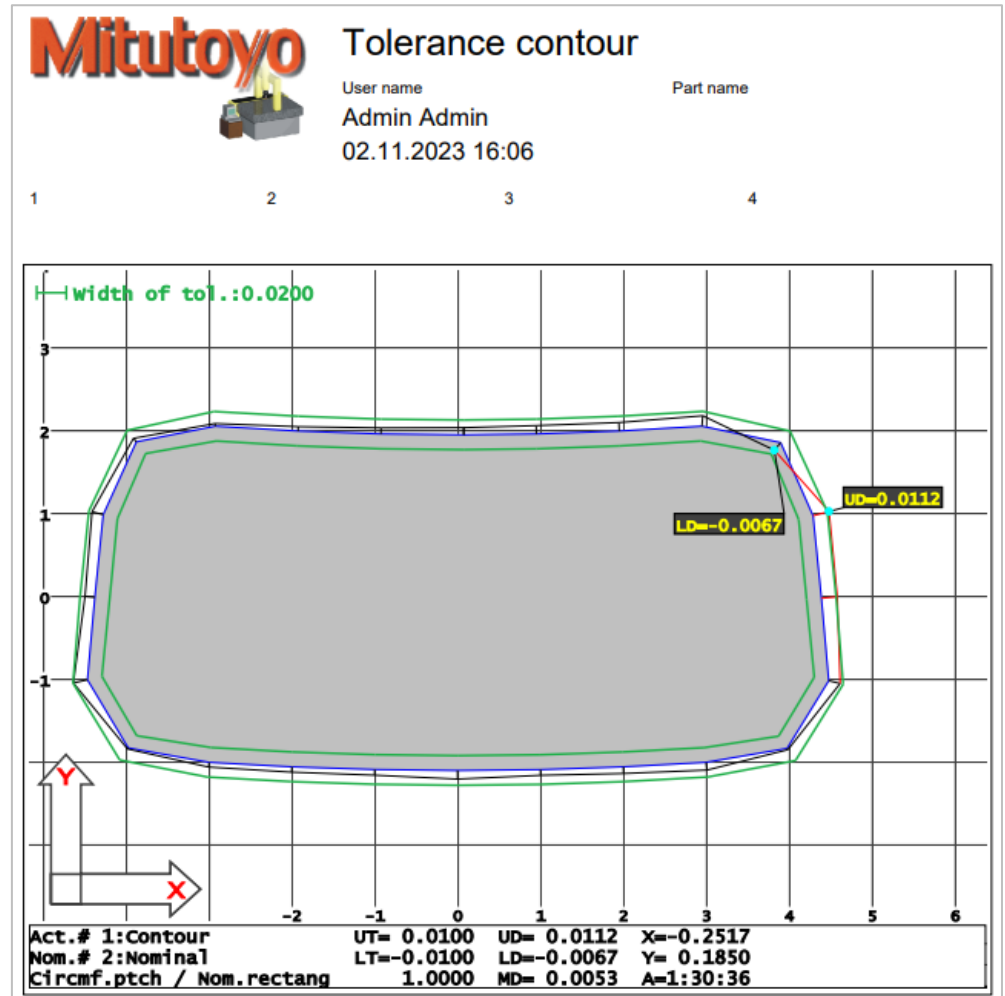
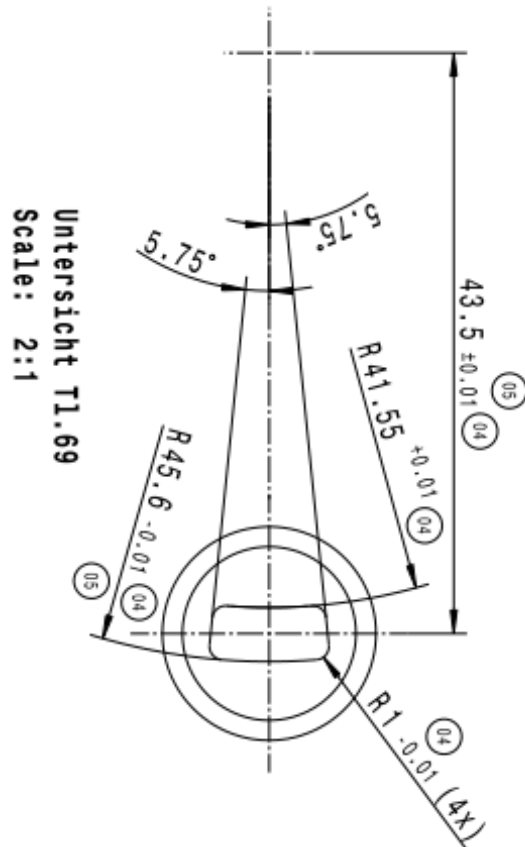
	QTY.	GROUP	RANGE*				
			<u>DIAMETER</u>		LENGTH	TABLE SIZE	TOLERANCE
			Min.	Max.			
INSPECTION	1	CMM (Mitutoyo)					
		Visual Inspection					



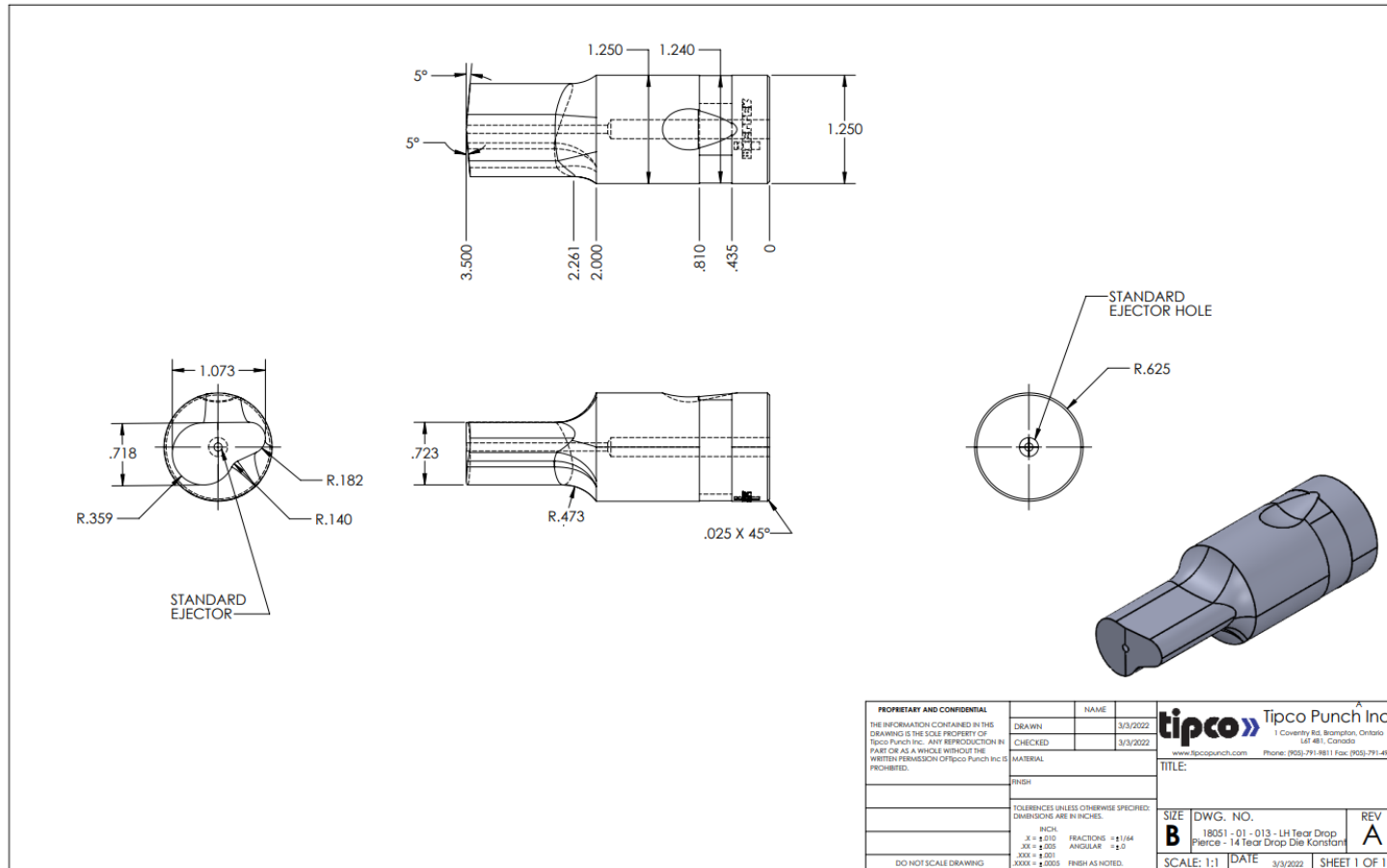
CAPABILITIES



Inspection

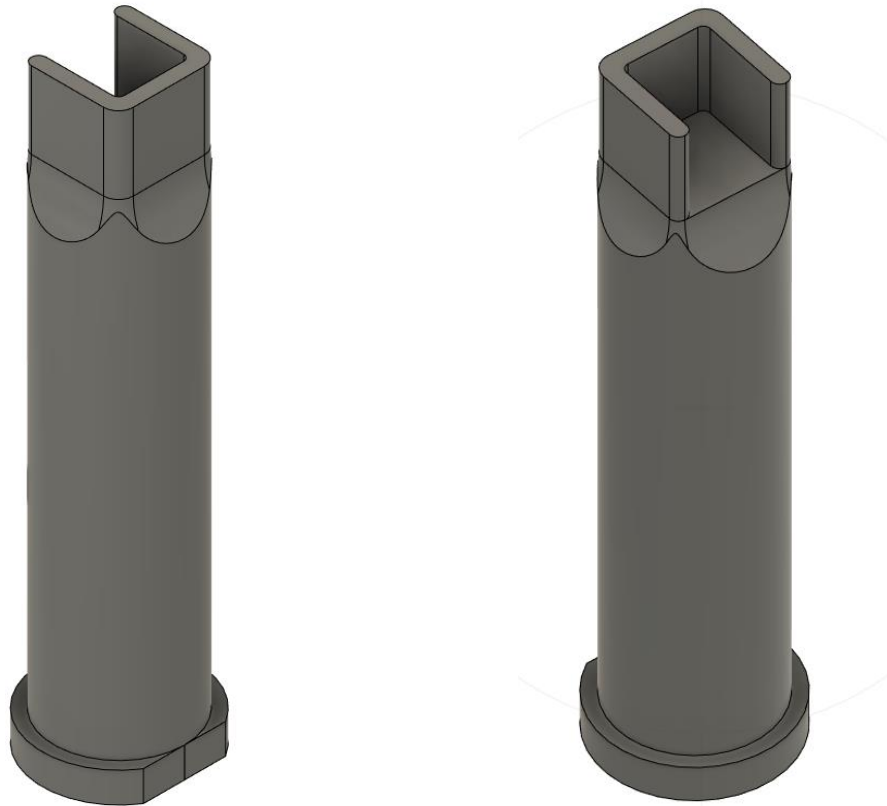


SPECIAL PUNCHES

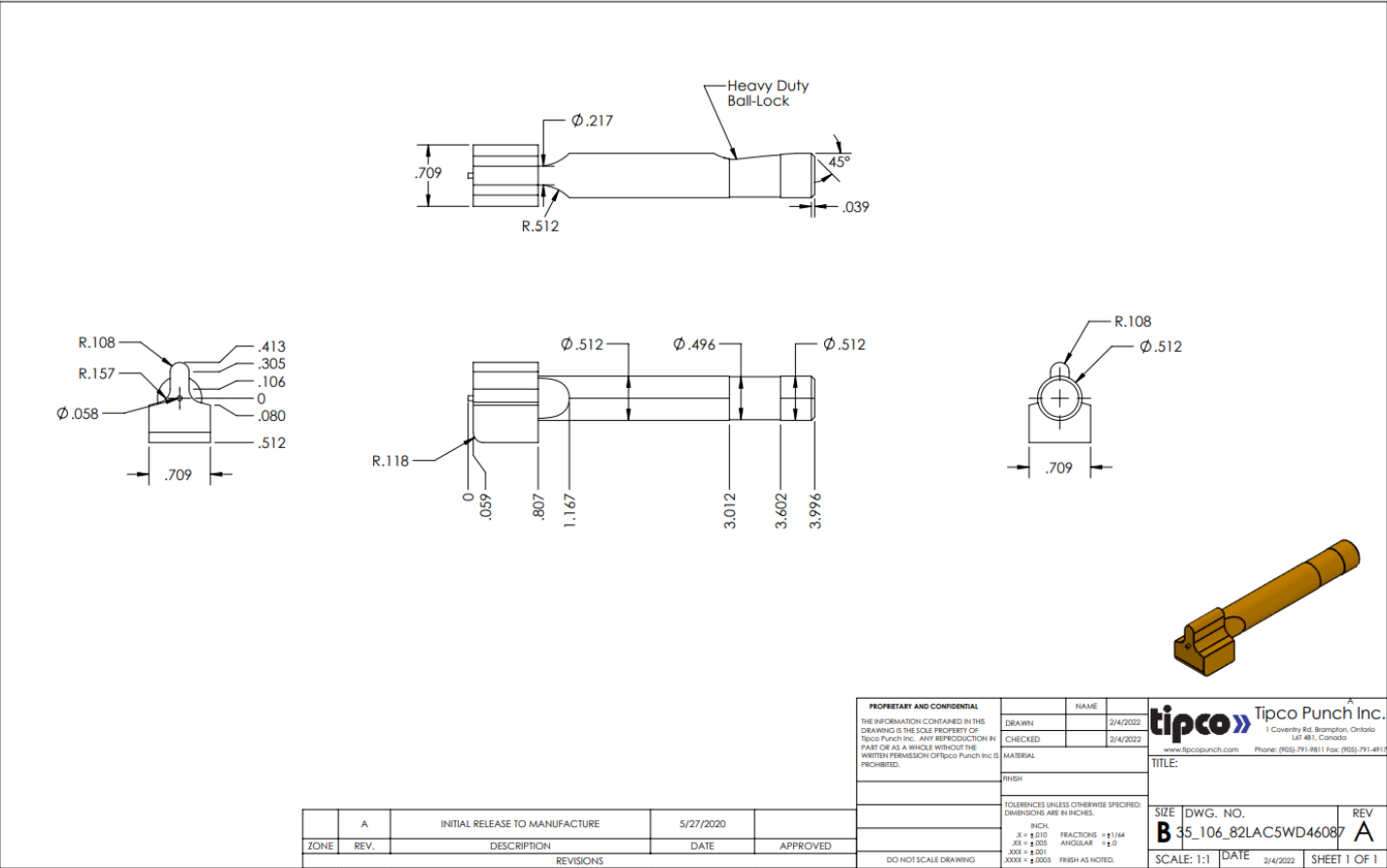


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		CHECKED 3/3/2022		Phone: (905) 791-8811 Fax: (905) 791-4917	
		MATERIAL		TITLE:	
		FINISH		SIZE DWG. NO. REV	
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		INCH .XX = ± .010 FRACTIONS .XX = ± .003 ANGULAR .XXX = ± .001		SCALE: 1:1 DATE 3/3/2022 SHEET 1 OF 1	
DO NOT SCALE DRAWING		FINISH AS NOTED.			

SPECIAL PUNCHES



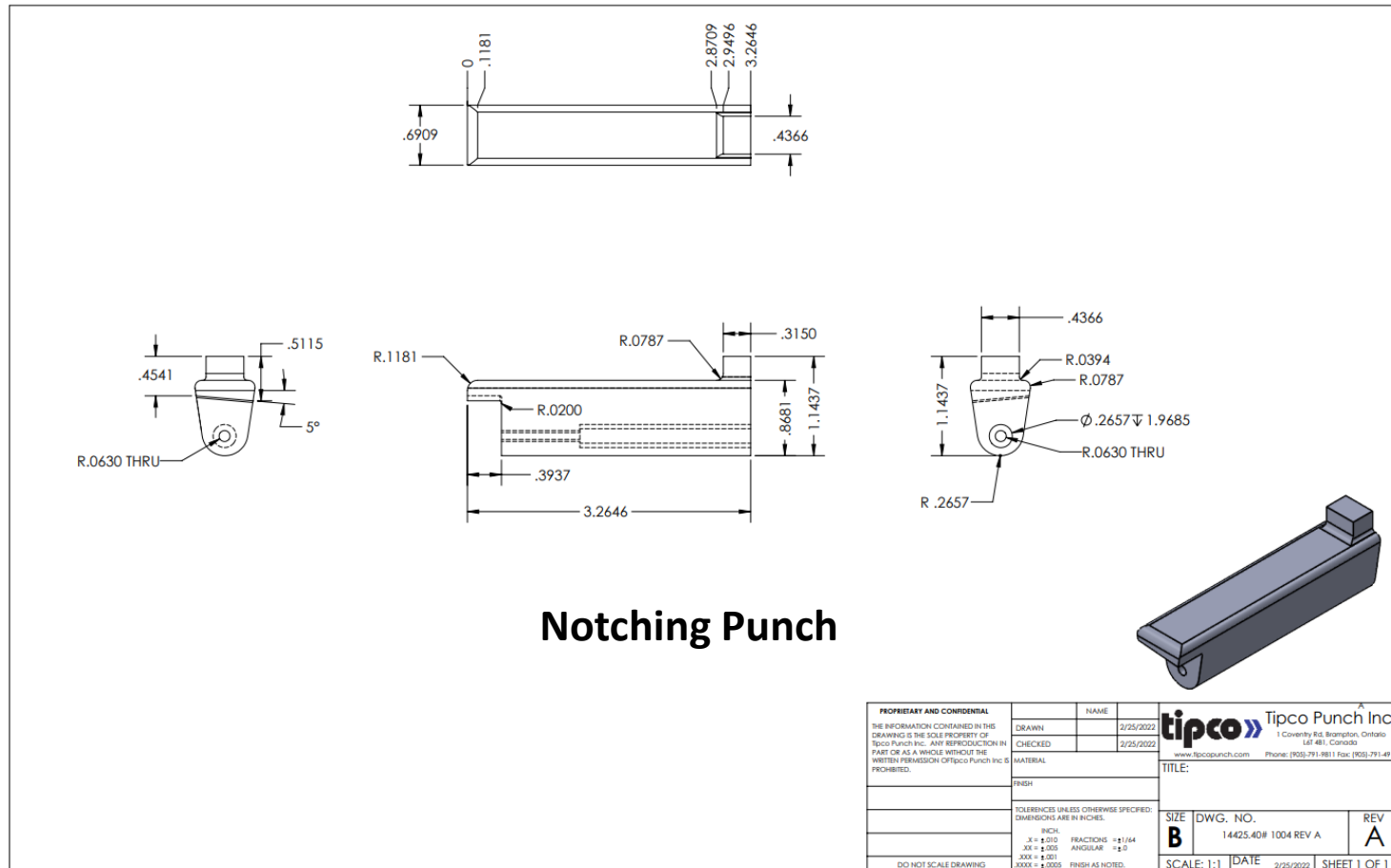
SPECIAL PUNCHES



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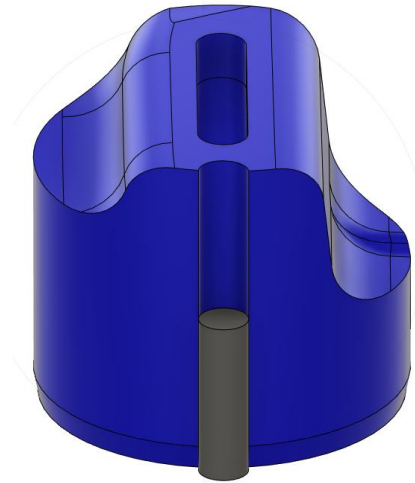
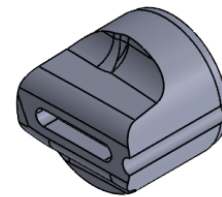
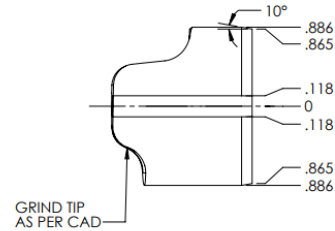
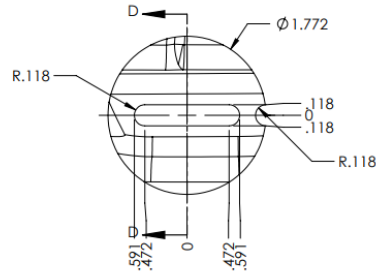
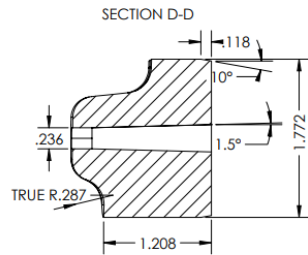


SPECIAL PUNCHES



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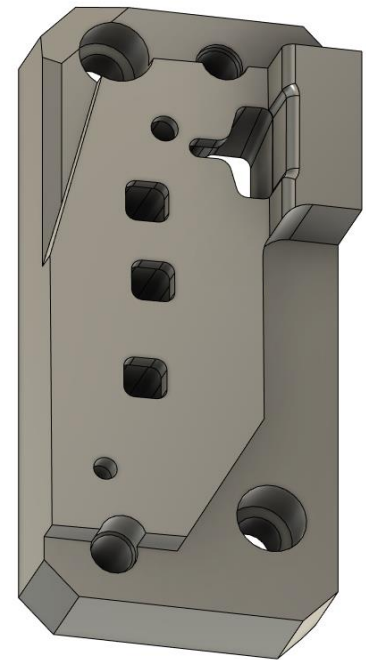
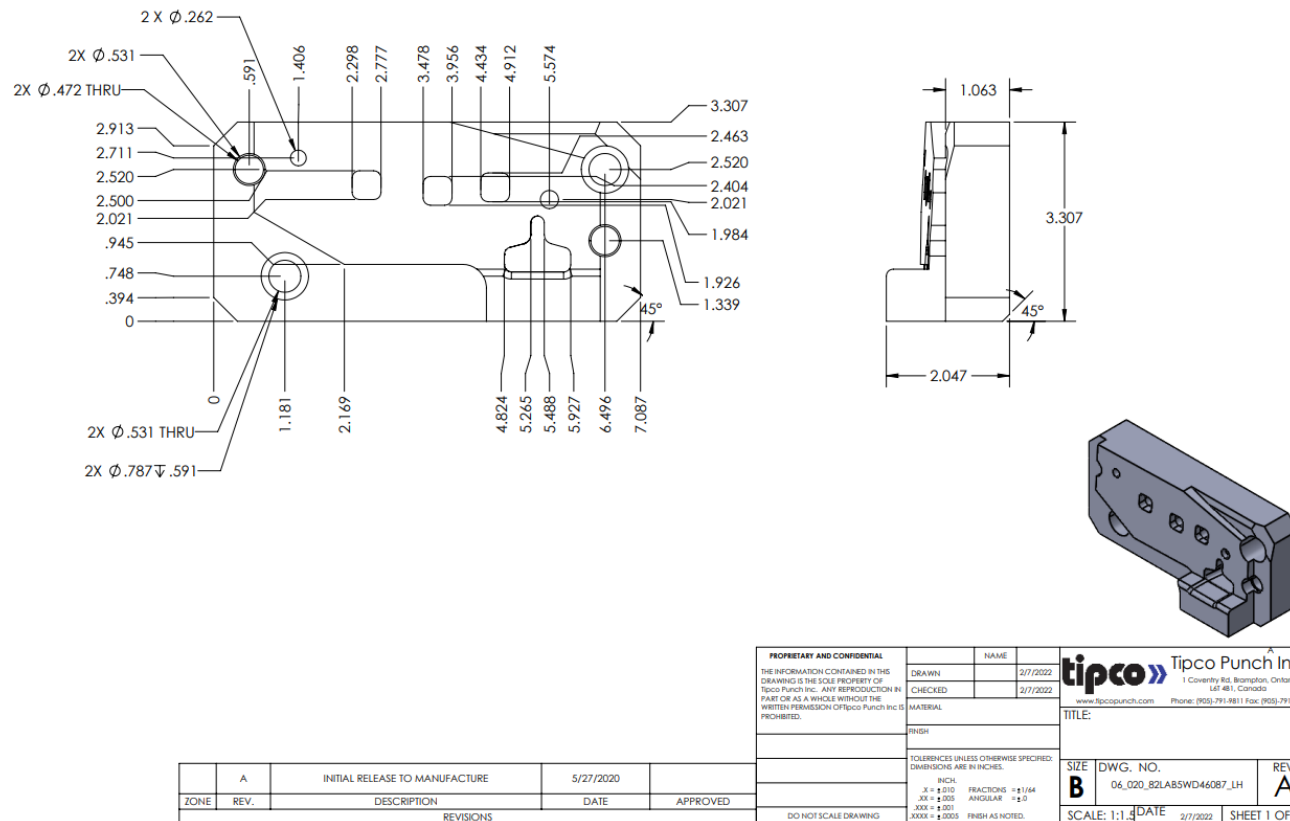
SPECIAL DIE BUTTONS **tipco»**



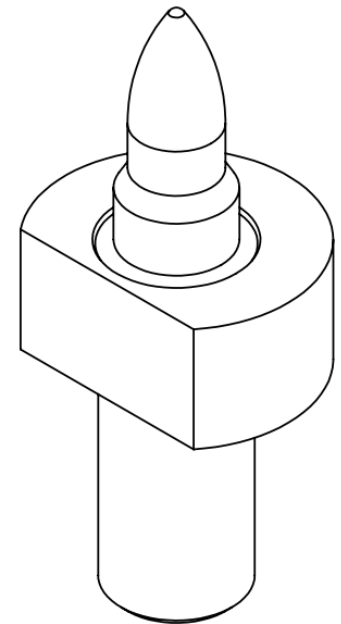
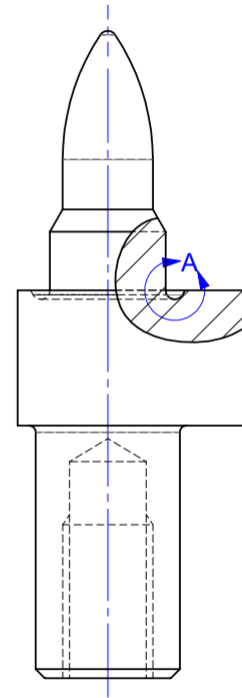
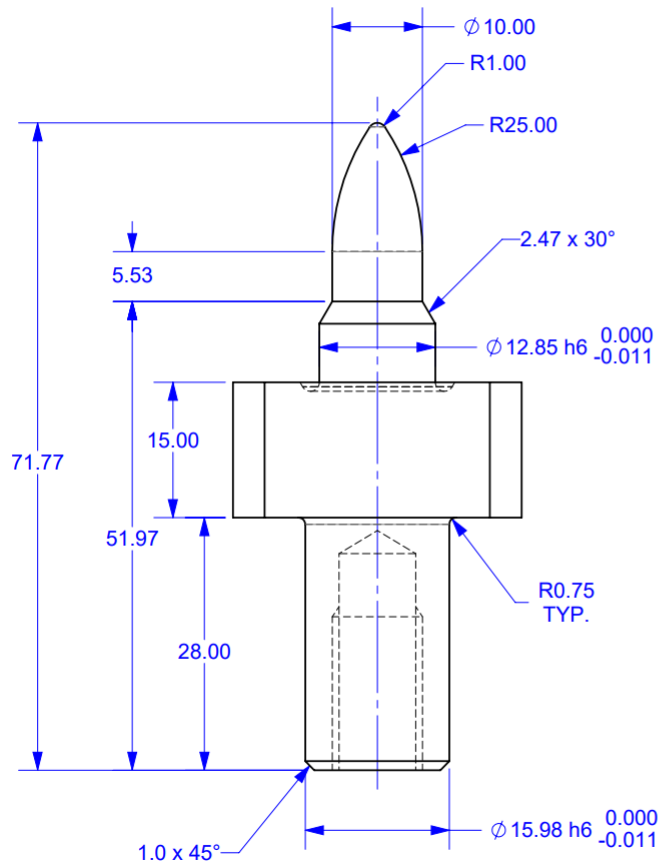
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INITIAL RELEASE TO MANUFACTURE 5/27/2020				TITLE:		SIZE DWG. NO. REV B1 00305-d0462 JS.STEP1.1 A	
DO NOT SCALE DRAWING				SCALE: 1:1		DATE 2/4/2022 SHEET 1 OF 1	

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE TO MANUFACTURE	5/27/2020	

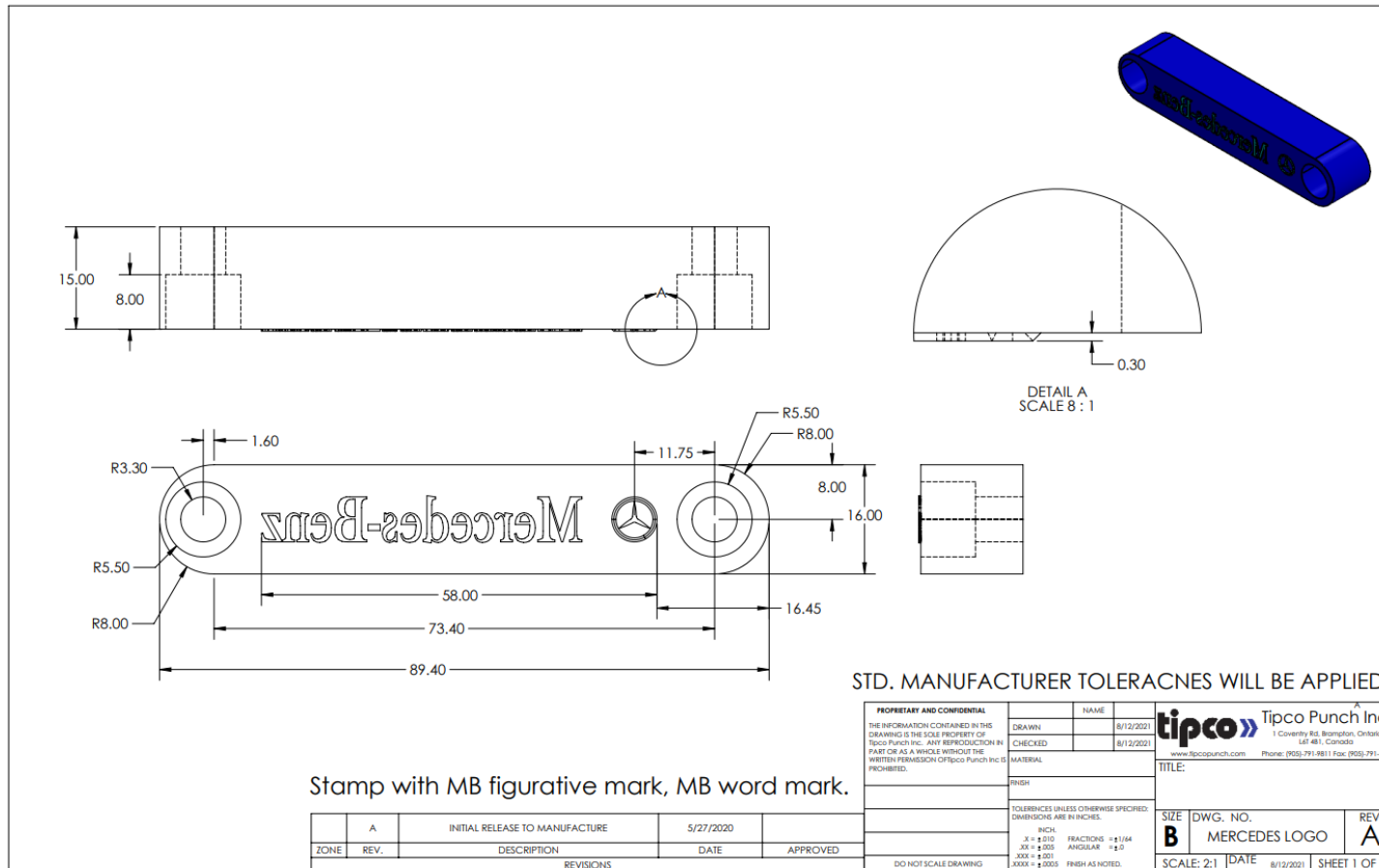
SPECIAL DIE BUTTONS **tipco»**



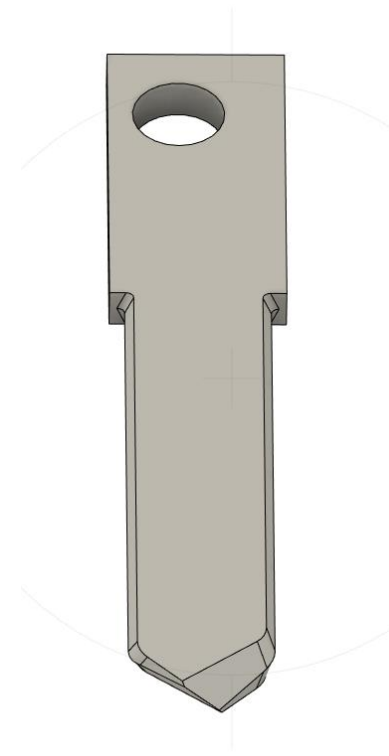
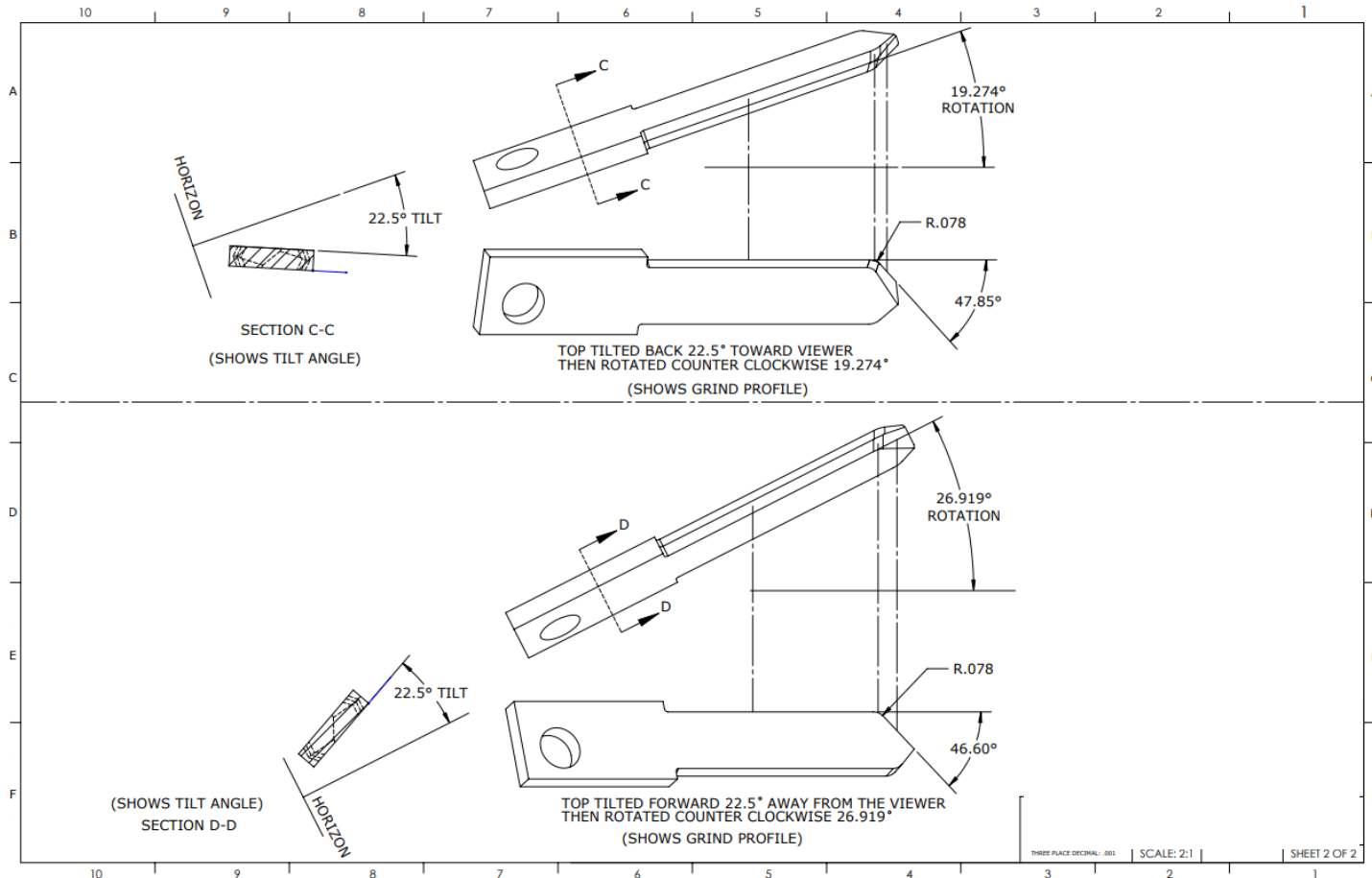
CUSTOM PINS



CUSTOM STAMPS



CUSTOM BLADE TOOLS



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