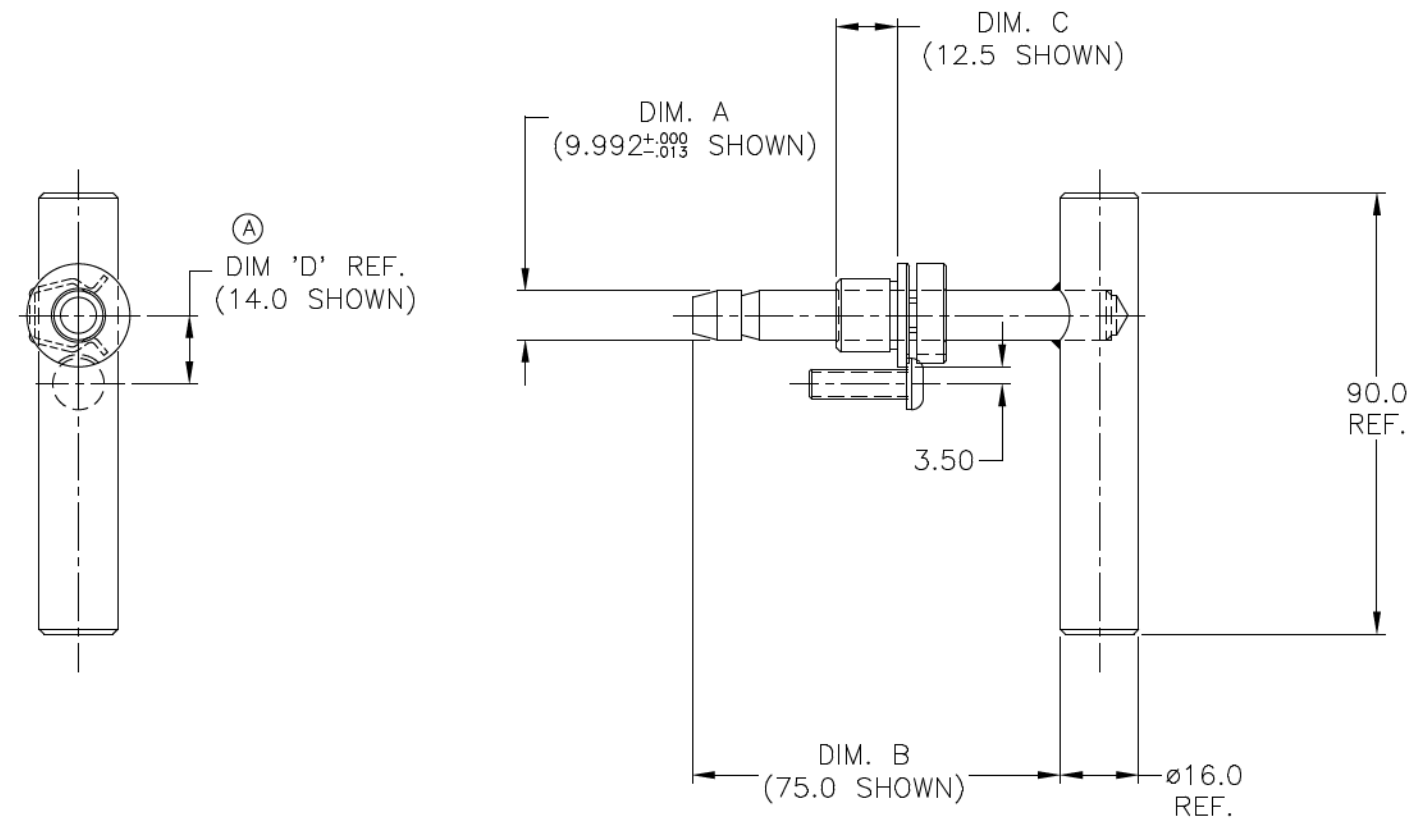


EXAMPLE

Click for CAD Files
.3DWG / .STP



PIN DIA. (DIM. A)	BUSHING OD (h5)	HEAD DIA.	REF. (DIM. D)
6.00 & 8.00mm	12mm 12.000-11.992mm	21.00mm	14.0
10.00mm	15mm 15.000-14.992mm		14.0
12.00mm	18mm 18.000-17.992mm	27.00mm	17.0

LENGTH DESIGNATION	
BUSHING LG. (DIM. C)	CALLOUT
12.5	1
15.0	2
18.0	3

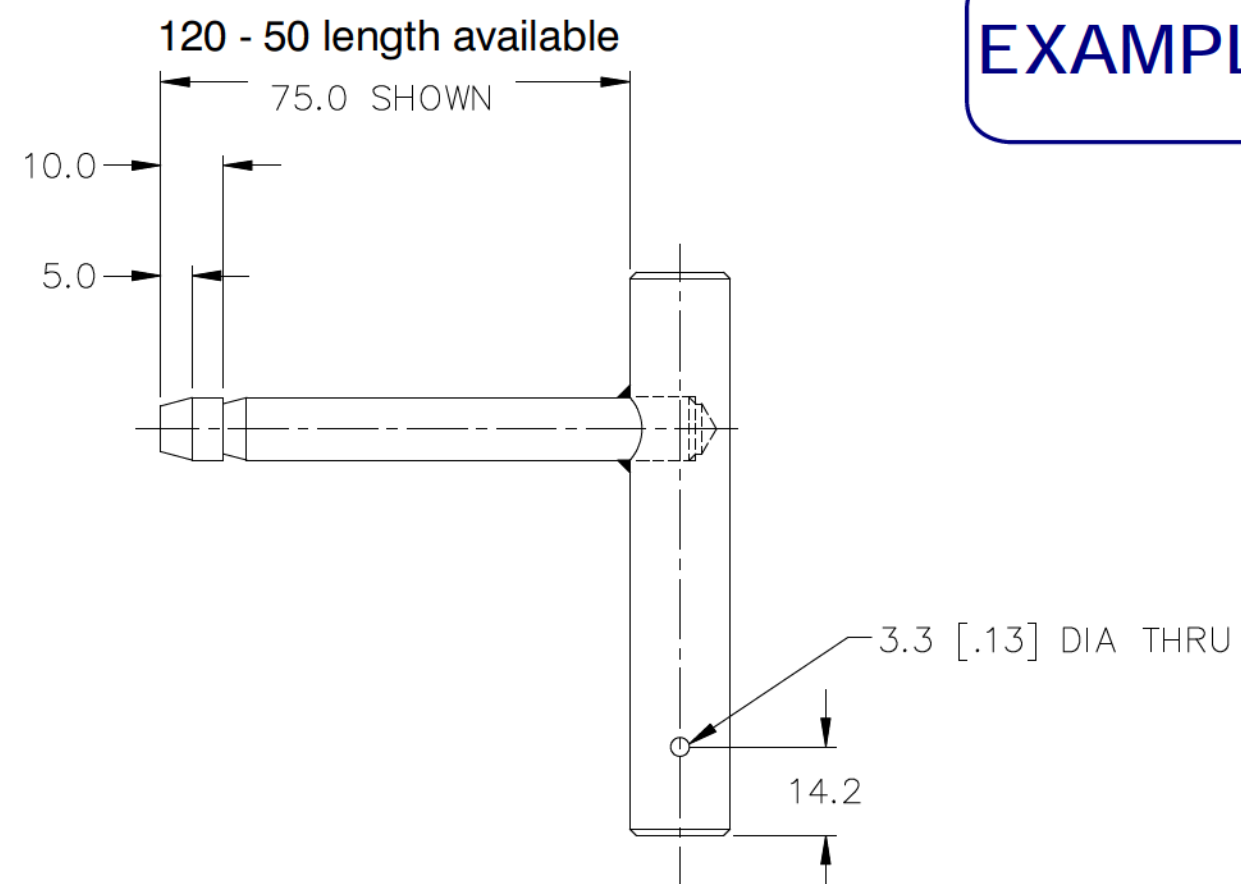
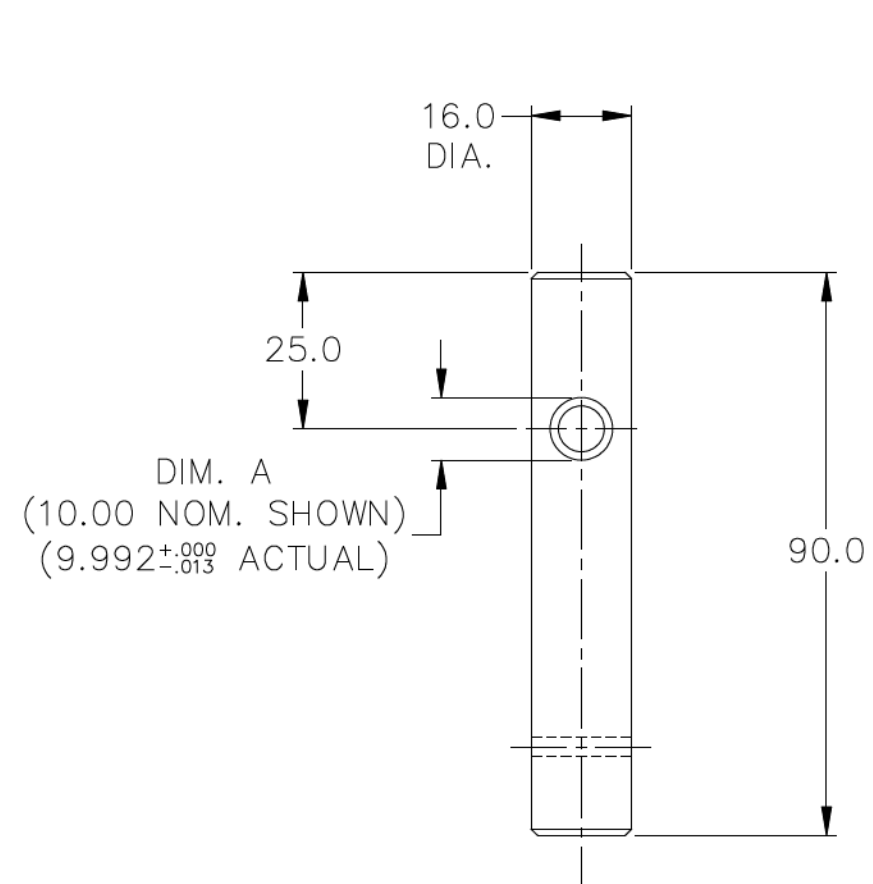
EM-200-110-075

— PIN LENGTH (DIM. B)
 — NOM PIN DIA. (DIM. A)
 — BUSHING LG. CALLOUT (DIM. C)
 — PIN & BUSHING ASSY

IF CAD DRAWN, MANUAL CHANGES ARE PROHIBITED UNLESS OTHERWISE SPECIFIED: .5 RAD. MAX. FILLET ON ALL INSIDE CORNERS REMOVE ALL BURRS AND BREAK SHARP EDGES CHAMFER ALL TAPPED HOLES 45° TO 1 MM OVER TAP SIZE	GEOMETRIC DRAWING SYMBOLS ▱ FLAT ◌ PROFILE OF A SURFACE — STRAIGHT ⊕ TRUE POSITION ∟ ANGULAR ⊖ SYMMETRICAL □ SQUARE ∥ PARALLEL // PARALLEL ∠ TOTAL RUNOUT ∅ ROUND ∅ BASIC DIM. ○ CYLINDRICAL (0.000) REF. DIM. ⊙ CONCENTRIC ~ PROFILE OF A LINE ⊕ MAXIMUM MATERIAL CONDITION (MMC) ⊖ REGARDLESS OF FEATURE SIZE (RFS) ⊗ PROJECTED TOLERANCE ZONE	METRIC 3RD ANGLE PROJECTION DO NOT SCALE MACHINING TOLERANCE MILLIMETERS 1 PLACE DEC. ±.3 2 PLACE DEC. ±.13 3 PLACE DEC. ±.013	 E&E SPECIAL PRODUCTS 7200 MILLER DR WARREN, MI. 48092	TITLE LOCKING PIN ASSEMBLY		
				PART NO. EM-200-XXX-XXX		
				DRAWN BY: SEAN	CHK'D BY: G.A.	APPR'D BY: G.L.A.
				DATE: 23FEB01	DATE: 06SEP01	DATE: 22OCT01
SCALE FULL		DWG. NO. E-900.050.002				
SHT 01 OF 06						

EXAMPLE

Click for CAD
.3DWG / .STP



* ORDERING INFO FOR OTHER SIZES

EM - 210 - 010 - 075

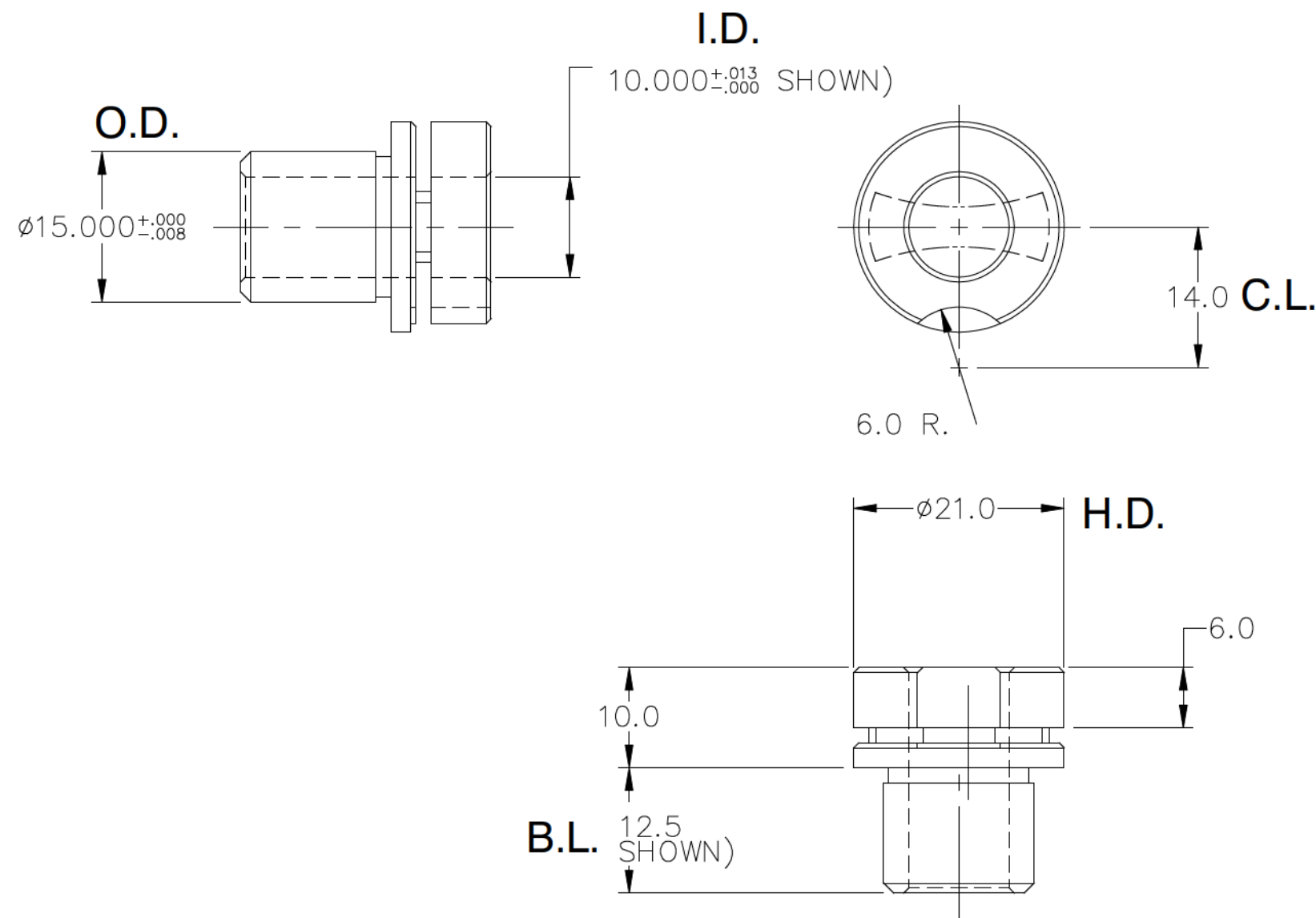
PIN DET. NOM. PIN DIA. (DIM. 'A')

PIN LENGTH (DIM. 'B')

<p>IF CAD DRAWN, MANUAL CHANGES ARE PROHIBITED</p> <p>UNLESS OTHERWISE SPECIFIED:</p> <p>.5 RAD. MAX. FILLET ON ALL INSIDE CORNERS</p> <p>REMOVE ALL BURRS AND BREAK SHARP EDGES</p> <p>CHAMFER ALL TAPPED HOLES 45° TO 1 MM OVER TAP SIZE</p>	<p>GEOMETRIC DRAWING SYMBOLS</p> <table border="0"> <tr> <td>▭ FLAT</td> <td>⊖ PROFILE OF A SURFACE</td> </tr> <tr> <td>— STRAIGHT</td> <td>⊕ TRUE POSITION</td> </tr> <tr> <td>∠ ANGULAR</td> <td>⊞ SYMMETRICAL</td> </tr> <tr> <td>⊥ SQUARE</td> <td>↗ RUNOUT CIR.</td> </tr> <tr> <td>// PARALLEL</td> <td>↗ TOTAL RUNOUT</td> </tr> <tr> <td>○ ROUND</td> <td>⊞ BASIC DIM. (.000) REF. DIM.</td> </tr> <tr> <td>⊙ CYLINDRICAL</td> <td></td> </tr> <tr> <td>⊙ CONCENTRIC</td> <td></td> </tr> <tr> <td>⌒ PROFILE OF A LINE</td> <td></td> </tr> <tr> <td>Ⓜ MAXIMUM MATERIAL CONDITION (MMC)</td> <td></td> </tr> <tr> <td>Ⓢ REGARDLESS OF FEATURE SIZE (RFS)</td> <td></td> </tr> <tr> <td>Ⓟ PROJECTED TOLERANCE ZONE</td> <td></td> </tr> </table>		▭ FLAT	⊖ PROFILE OF A SURFACE	— STRAIGHT	⊕ TRUE POSITION	∠ ANGULAR	⊞ SYMMETRICAL	⊥ SQUARE	↗ RUNOUT CIR.	// PARALLEL	↗ TOTAL RUNOUT	○ ROUND	⊞ BASIC DIM. (.000) REF. DIM.	⊙ CYLINDRICAL		⊙ CONCENTRIC		⌒ PROFILE OF A LINE		Ⓜ MAXIMUM MATERIAL CONDITION (MMC)		Ⓢ REGARDLESS OF FEATURE SIZE (RFS)		Ⓟ PROJECTED TOLERANCE ZONE		<p>METRIC</p> <p>3RD ANGLE PROJECTION</p> <p>DO NOT SCALE</p> <p>MACHINING TOLERANCE MILLIMETERS</p> <p>1 PLACE DEC. ±.3</p> <p>2 PLACE DEC. ±.13</p> <p>3 PLACE DEC. ±.013</p>	<p>E&E</p> <p>SPECIAL PRODUCTS</p> <p>7200 MILLER DR. WARREN, MI. 48092 (586)978-3800</p>	<p>NOTICE: THIS DRAWING IS THE PROPERTY OF E&E ENGINEERING INCORPORATED INCLUDING THE PRINCIPLES OF THE DESIGN INVOLVED, AND IS SUBMITTED WITH AGREEMENT THAT IT IS NOT TO BE REPRODUCED, COPIED, OR LOANED, IN PART OR WHOLE. ACCEPTANCE OF THIS DRAWING WILL BE CONSTRUED AS AN AGREEMENT TO THE ABOVE.</p> <p>TITLE: LOCKING PIN DETAIL</p> <p>PART NO. × EM-210-010-075</p> <table border="1"> <tr> <td>DRAWN BY: SEAN</td> <td>CHK'D BY: G.A</td> <td>APPR'D BY: G.L.A</td> </tr> <tr> <td>DATE: 23FEB01</td> <td>DATE: 01MAR01</td> <td></td> </tr> <tr> <td>SCALE: FULL</td> <td colspan="2">DWG. NO.</td> </tr> <tr> <td>SHT 03 OF XX</td> <td colspan="2"></td> </tr> </table>	DRAWN BY: SEAN	CHK'D BY: G.A	APPR'D BY: G.L.A	DATE: 23FEB01	DATE: 01MAR01		SCALE: FULL	DWG. NO.		SHT 03 OF XX		
	▭ FLAT	⊖ PROFILE OF A SURFACE																																							
	— STRAIGHT	⊕ TRUE POSITION																																							
	∠ ANGULAR	⊞ SYMMETRICAL																																							
⊥ SQUARE	↗ RUNOUT CIR.																																								
// PARALLEL	↗ TOTAL RUNOUT																																								
○ ROUND	⊞ BASIC DIM. (.000) REF. DIM.																																								
⊙ CYLINDRICAL																																									
⊙ CONCENTRIC																																									
⌒ PROFILE OF A LINE																																									
Ⓜ MAXIMUM MATERIAL CONDITION (MMC)																																									
Ⓢ REGARDLESS OF FEATURE SIZE (RFS)																																									
Ⓟ PROJECTED TOLERANCE ZONE																																									
DRAWN BY: SEAN	CHK'D BY: G.A	APPR'D BY: G.L.A																																							
DATE: 23FEB01	DATE: 01MAR01																																								
SCALE: FULL	DWG. NO.																																								
SHT 03 OF XX																																									

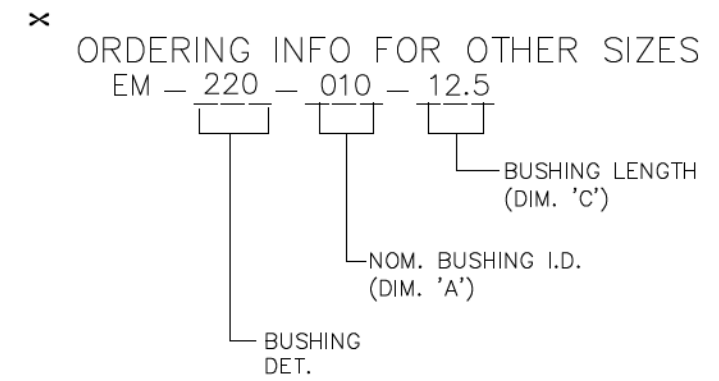
EXAMPLE

Click for CAD
.3DWG / .STP



BUSHING ID	BUSHING OD	HEAD DIA	CENTER LEN
6.00 & 8.00mm	12mm 12.000-11.992mm	21.00mm	14.0
10.00mm	15mm 15.000-14.992mm		14.0
12.00mm	18mm 18.000-17.992mm	27.00mm	17.0

LENGTH DESIGNATION		
BUSHING LEN	CALLOUT	
12.5	1	6,8 & 10mm
15.0	2	6,8 & 10mm
18.0	3	12mm only



IF CAD DRAWN, MANUAL CHANGES ARE PROHIBITED

UNLESS OTHERWISE SPECIFIED:

.5 RAD. MAX. FILLET ON ALL INSIDE CORNERS

REMOVE ALL BURRS AND BREAK SHARP EDGES

CHAMFER ALL TAPPED HOLES 45° TO 1 MM OVER TAP SIZE

GEOMETRIC DRAWING SYMBOLS

FLAT	PROFILE OF A SURFACE
STRAIGHT	TRUE POSITION
ANGULAR	SYMMETRICAL
SQUARE	RUNOUT CIR.
PARALLEL	TOTAL RUNOUT
ROUND	BASIC DIM. (.000) REF. DIM.
CYLINDRICAL	
CONCENTRIC	
PROFILE OF A LINE	
MAXIMUM MATERIAL CONDITION (MMC)	
REGARDLESS OF FEATURE SIZE (RFS)	
PROJECTED TOLERANCE ZONE	

METRIC

3RD ANGLE PROJECTION

DO NOT SCALE

MACHINING TOLERANCE MILLIMETERS

1 PLACE DEC. ±.3
 2 PLACE DEC. ±.13
 3 PLACE DEC. ±.013

E&E

SPECIAL PRODUCTS

7200 MILLER DR.
 WARREN, MI. 48092
 (586)978-3800

NOTICE: THIS DRAWING IS THE PROPERTY OF E&E ENGINEERING INCORPORATED INCLUDING THE PRINCIPLES OF THE DESIGN INVOLVED, AND IS SUBMITTED WITH AGREEMENT THAT IT IS NOT TO BE REPRODUCED, COPIED, OR LOANED, IN PART OR WHOLE. ACCEPTANCE OF THIS DRAWING WILL BE CONSTRUED AS AN AGREEMENT TO THE ABOVE

TITLE **10MM BUSHING DETAIL**

PART NO. ***EM-220-010-125**

DRAWN BY: SEAN	CHK'D BY: G.A	-PPR'D BY: G.L.A
DATE: 23FEB01	DATE: 01MAR01	DATE: 29NOV01
SCALE: 2:1	DWG. NO. E-900.050.002	
SHT 05 OF XX		