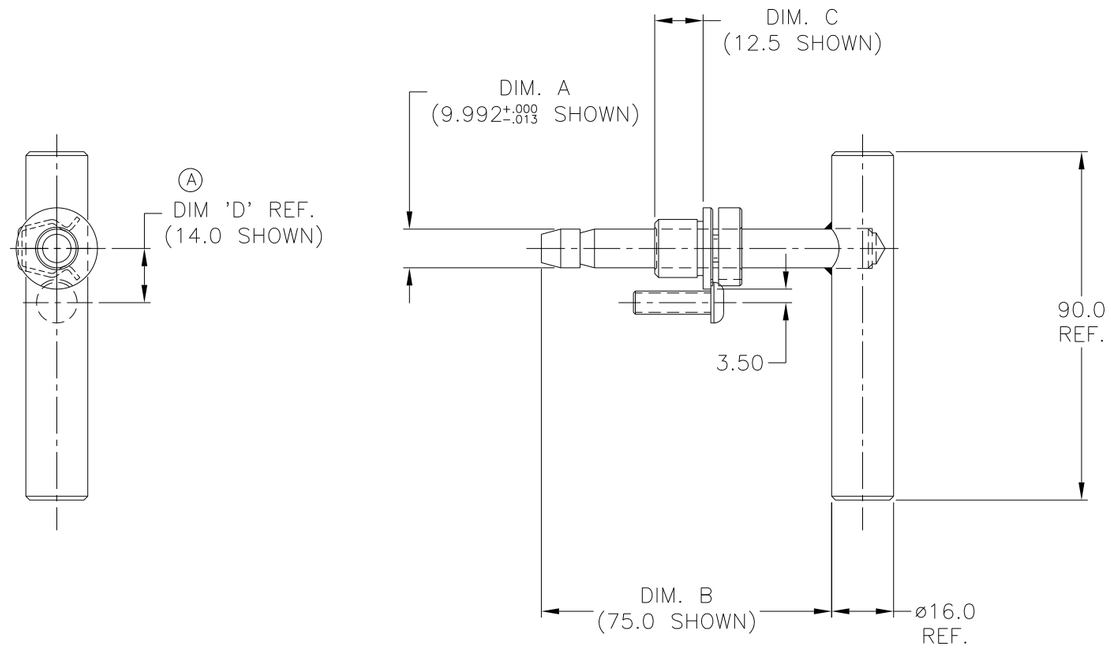
EXAMPLE

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

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	
ANGULAR	TRUE POSITION
SQUARE	SYMMETRICAL
PARALLEL	RUNOUT CIR.
ROUND	TOTAL RUNOUT
CYLINDRICAL	.000 BASIC DIM.
CONCENTRIC	(.000) REF. DIM.
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

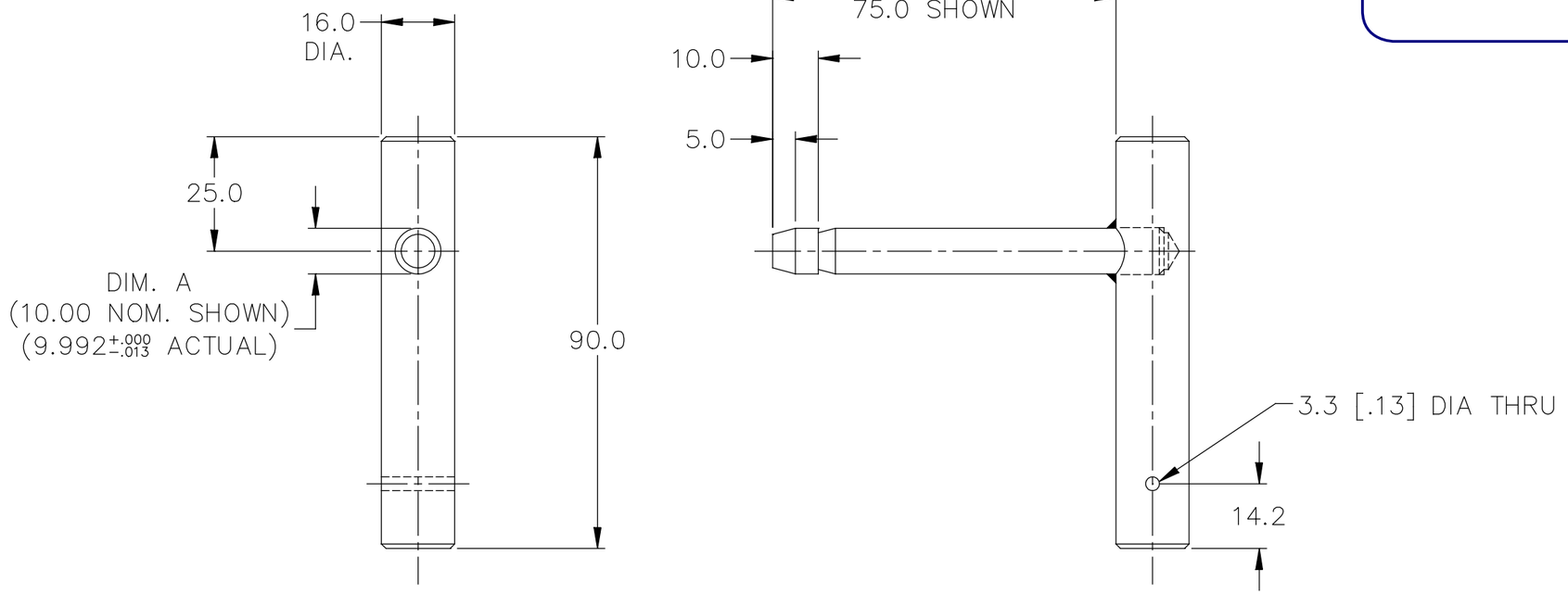
E&E SPECIAL PRODUCTS

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

- 210: PIN DET.
- 010: NOM. PIN DIA. (DIM. 'A')
- 075: PIN LENGTH (DIM. 'B')

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	
ANGULAR	TRUE POSITION
SQUARE	SYMMETRICAL
PARALLEL	RUNOUT CIR.
ROUND	TOTAL RUNOUT
CYLINDRICAL	[.000] BASIC DIM.
CONCENTRIC	(.000) REF. DIM.
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

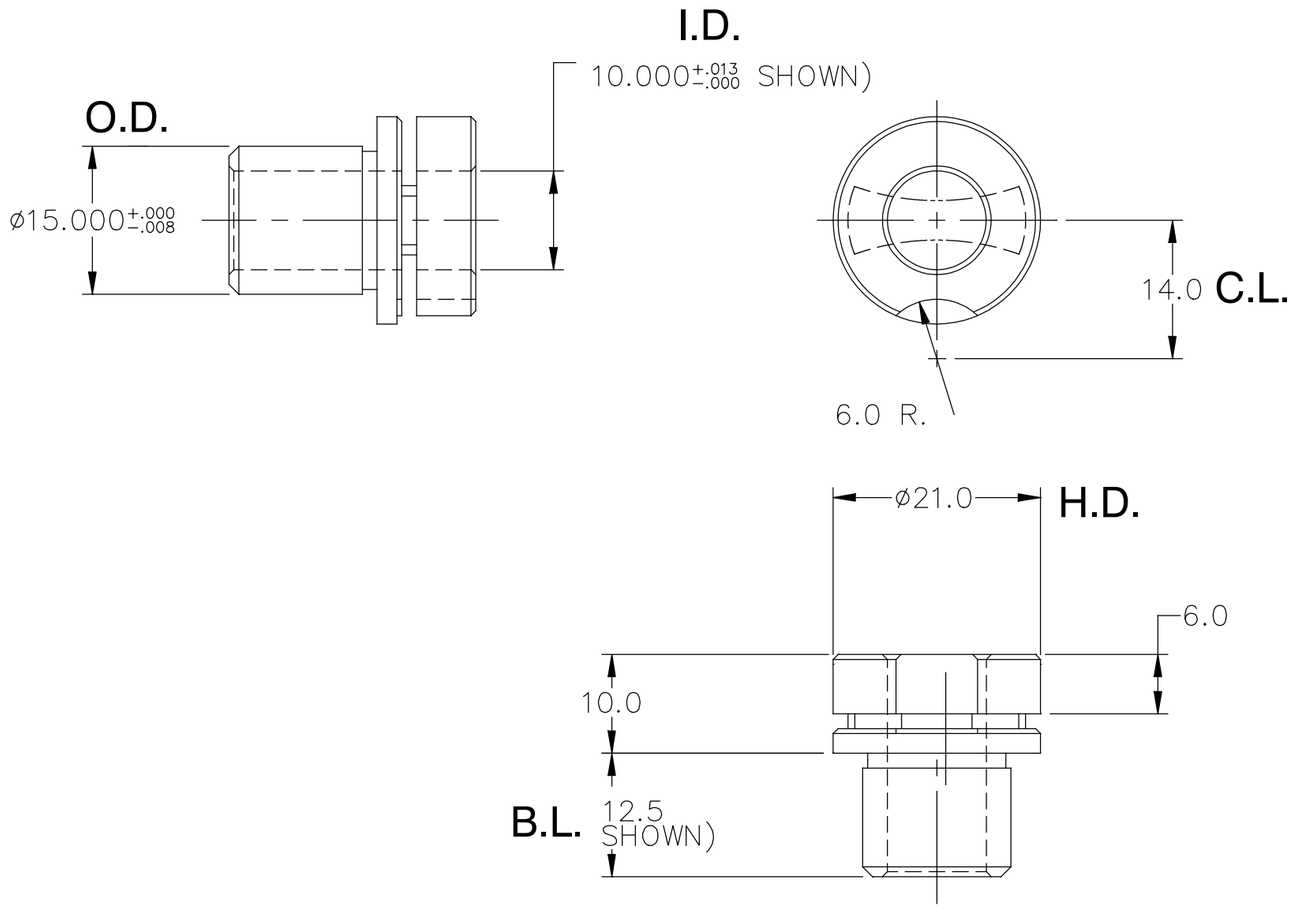
E&E SPECIAL PRODUCTS

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

TITLE: LOCKING PIN DETAIL

PART NO. * EM–210–010–075

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

* ORDERING INFO FOR OTHER SIZES

EM – 220 – 010 – 12.5

- 12.5 — BUSHING LENGTH (DIM. 'C')
- 010 — NOM. BUSHING I.D. (DIM. 'A')
- 220 — BUSHING DET.

IF CAD DRAWN, MANUAL CHANGES ARE PROHIBITED

UNLESS OTHERWISE SPECIFIED:

.5 RAD. MAX. FILLET ON ALL INSIDE CORNERS

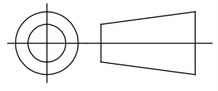
REMOVE ALL BURRS AND BREAK SHARP EDGES

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

GEOMETRIC DRAWING SYMBOLS

- FLAT
- STRAIGHT
- ANGULAR
- SQUARE
- PARALLEL
- ROUND
- CYLINDRICAL
- CONCENTRIC
- PROFILE OF A LINE
- PROFILE OF A SURFACE
- TRUE POSITION
- SYMMETRICAL
- RUNOUT CIR.
- TOTAL RUNOUT
- [000] BASIC DIM.
- (.000) REF. DIM.
- Ⓜ 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

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		