

PRODUCT INFORMATION PACKET



Model No: CT1102
Catalog No: CT1102
Pool Pump Motor, 1 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, 56J Frame, ODP



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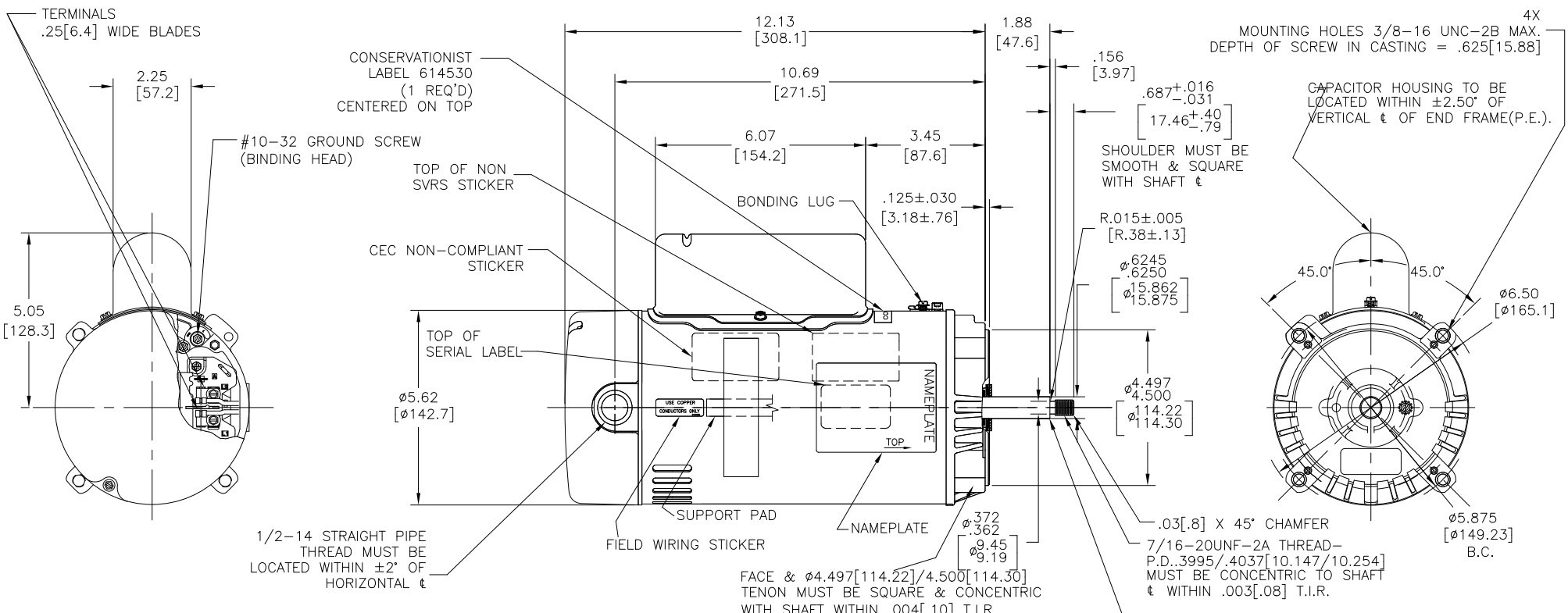
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/115 V
Current	6.8/13.6 A	Speed	3450 rpm
Service Factor	1.4	Phase	1
Duty	Continuous	Insulation Class	B
Frame	56J	Enclosure	Open Drip Proof
Thermal Protection	Automatic	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Poles	2
Rotation	Counterclockwise Pump End	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	7/16 Threaded	Overall Length	14.70 in
Frame Length	8.75 in	Shaft Diameter	0.625 in
Shaft Extension	2.57 in		
Outline Drawing	CT1102-S01	Connection Drawing	627103-006

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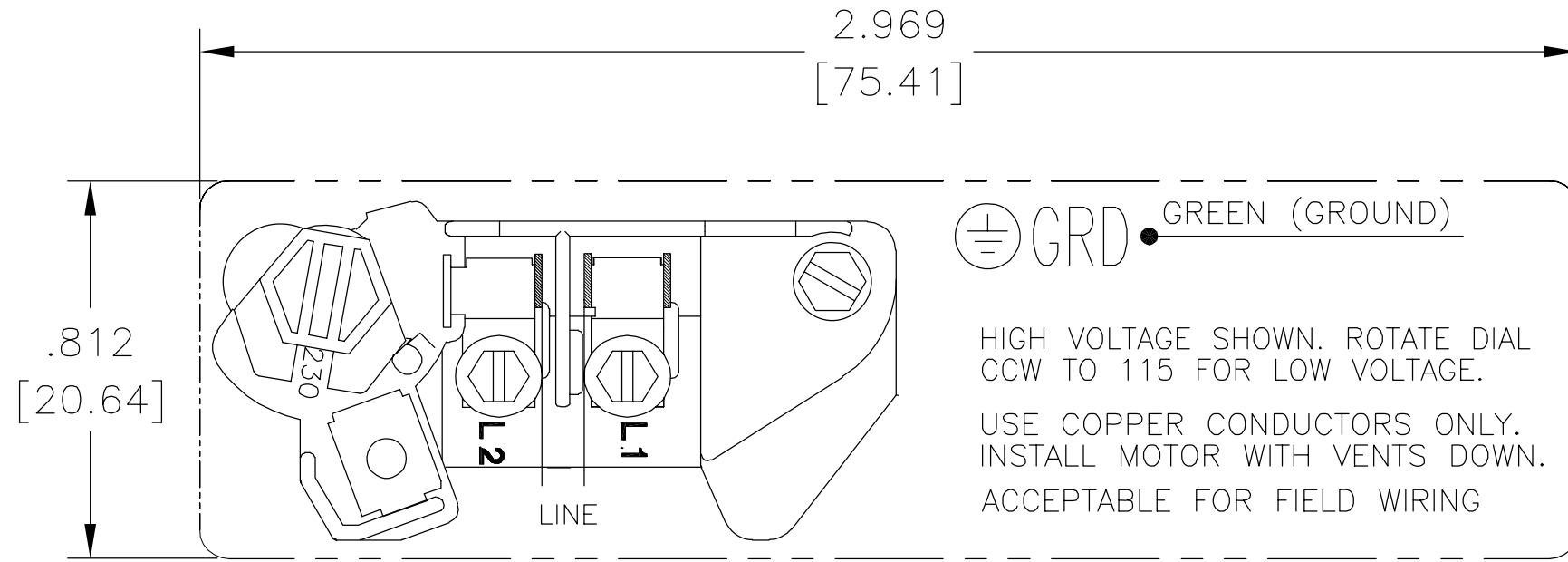


NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: K48L2N100A1 CUST PN: CT1102 HP: 1 SF: 1.4 ROT: CCWPE RPM: 3450 TYPE: K CODE: K FORM: FRAME: 56J VOLTS: 230/115 AMPS: MAX AMPS: 6.8/13.6 SF AMPS: - PH: 1 HZ: 60 INS: B AMB: 50°C DUTY: CONT. ENCLOSURE: ODP THERM. PROT. CET50ABN	<p>115V LINE GROUND (GROUND)</p> <p>HIGH VOLT CONNECTION AS SHOWN. TO CHANGE TO LOW VOLT, MOVE THE BLACK PLUG TO ALIGN THE ARROWS AT THE 115V LOCATION. USE COPPER CONDUCTORS ONLY. INSTALL MOTOR WITH VENTS DOWN. ACCEPTABLE FOR FIELD WIRING</p>	NOTES: (1) FINISH PAINT TO BE SATIN-BLACK. (2) 7/16" WRENCH FLATS ON SHAFT- FOR ACCESS TO THIS WRENCH FLAT REMOVE END COVER. (3) STAINLESS STEEL SHAFT EXT. (4) LIMITS ON AMPLITUDE OF VIBRATION MEASURED AT BEARING HOUSING=.001. (5) CONNECTED FOR HIGH VOLTAGE, QUICK VOLTAGE CHANGE PLUG INCLUDED ON THE TERMINAL BOARD.

PERFORMANCE CURVE	APPROVED SAMPLE
K48L2W2	
UL COMPONENT	CSA
FILE# CCN# FILE# GUIDE#	
E25022 XEWR2 LR43341 4211-01	
CUSTOMER	DISTRIBUTION SERVICES

DRAWING REVISION E	REVISION BY SRIKANTH	DATE 02/10/2022	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] XXXX ±0.0005 [±0.0127]	DRAWN BY: B BREISCH		
ECO ECR-0212380	APPROVED BY DAYANAND	DATE 02/10/2022	DATE 03-04-2003	DATE 03-27-2003		
ECO DESCRIPTION UPDATED CONNECTION DIAGRAM			REMOVE BURRS & BREAK SHARP EDGES .003/015 [0.076/381] CORNER FILLETS .02 [51] MACHINED SURFACES .125/ mm 3/2 mm SHOWN IN [BRACKETS]	APPROVED BY: W BAILEY	DESCRIPTION MODEL-PFHP-48FR OUTLINE	
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			THIRD ANGLE PROJECTION	SIZE C	DWG NO CT1102	SHEET 1

REV	ECO	REV BY	DATE	APPD	DATE
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



DUAL VOLTAGE

NOTE:

1. FOR USE WITH 616231 NAME PLATE BLANK.
2. — — — — INDICATES DIMENSIONAL LIMITS.
3. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

GEOMETRIC CHARACTERISTICS & SYMBOLS

- ▭ FLATNESS
- STRAIGHTNESS
- ∠ ANGULARITY
- ⊥ PERPENDICULARITY (SQUARENESS)
- // PARALLELISM
- ROUNDNESS (CIRCULARITY)
- ⊘ CYLINDRICITY
- △ PROFILE OF ANY SURFACE
- ⌒ PROFILE OF ANY LINE
- ↑ RUNOUT
- ⊕ TRUE POSITION
- ◎ CONCENTRICITY
- ⊖ SYMMETRY

UNLESS OTHERWISE SPECIFIED
DIM. TOLERANCES ARE AS FOLLOWS:

INCH	±.1	±.02	±.005	±.0005
mm	±0.5	±0.13	±0.013	

ANG. ±.50 DEG

REMOVE BURRS & BREAK SHARP EDGES:

INCH	.003-.015	mm	0.1-0.4
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CORNER FILLETS TO:

INCH	.020	mm	0.5
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MACHINE SURFACES:

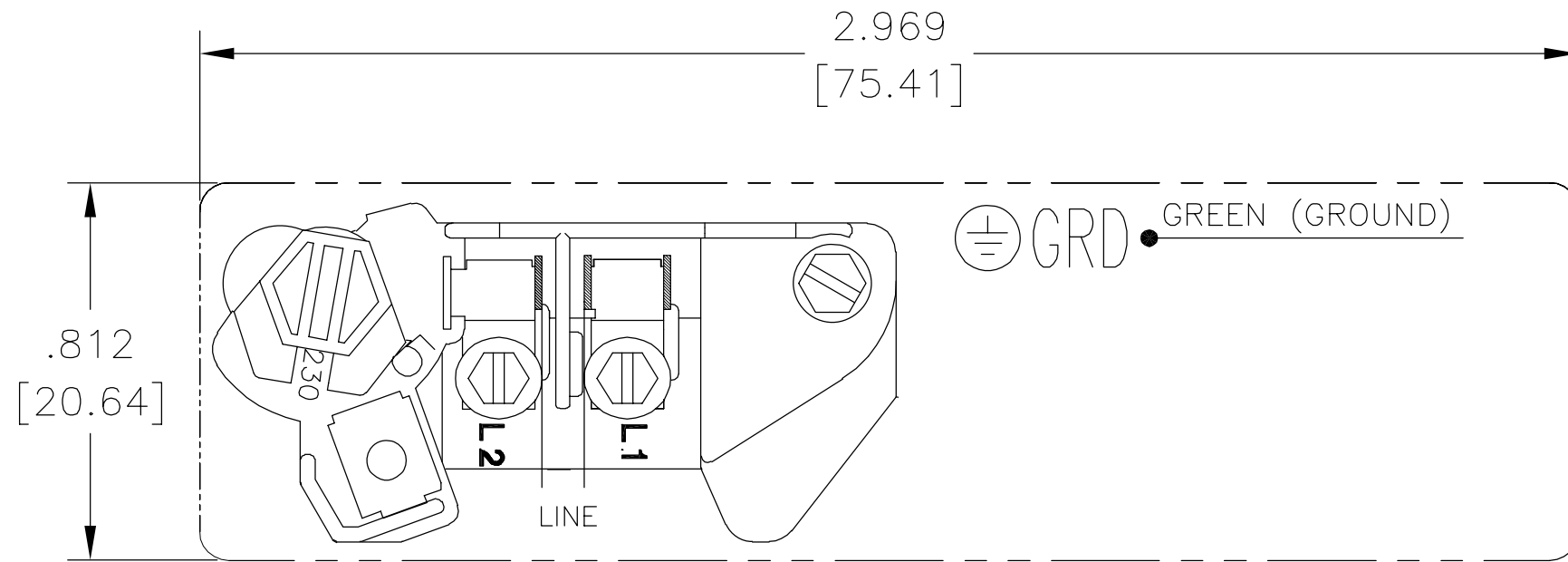
INCH	125	mm	3.2
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METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	Daniel Muñoz	04-13-2009
APPD:		
THIRD ANGLE PROJECTION		EDS DATE 02-22-2009 FORMAT REV F
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 innovation has a name.		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL			
SIZE A	DWG NO 627103-006		
SCALE NONE			SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



VOLTAJE DOBLE

NOTAS:

1. PARA USARSE CON LA PLACA DE DATOS EN BLANCO 616231.
2. — — — — — INDICA LIMITES DIMENSIONALES.
3. EL DADO DEBE PRODUCIR UNA IMPRESION LEGIBLE.

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS

- ▭ PLANICIDAD
- RECTITUD
- ∠ ANGULARIDAD
- ⊥ PERPENDICULARIDAD (A ESCUADRA)
- // PARALELISMO
- REDONDEZ (CIRCULARIDAD)
- ⊘ CILINDRICIDAD
- △ PERFIL DE CUALQUIER SUPERFICIE
- ∩ PERFIL DE CUALQUIER LINEA
- ↑ VARIACION
- ⊕ POSICION REAL
- ◎ CONCENTRICIDAD
- ≡ SIMETRIA

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:

	X	XX	XXX	XXXX
PULG	±.1	±.02	±.005	±.0005
mm	±0.5	±0.13	±0.013	
ANG.	±.50 GRADOS			

ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.

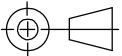
PULG .003-.015 mm 0.1-0.4


FILETEAR ESQUINA: PULG .020 mm 0.5

MAQUINAR SUPERFICIES

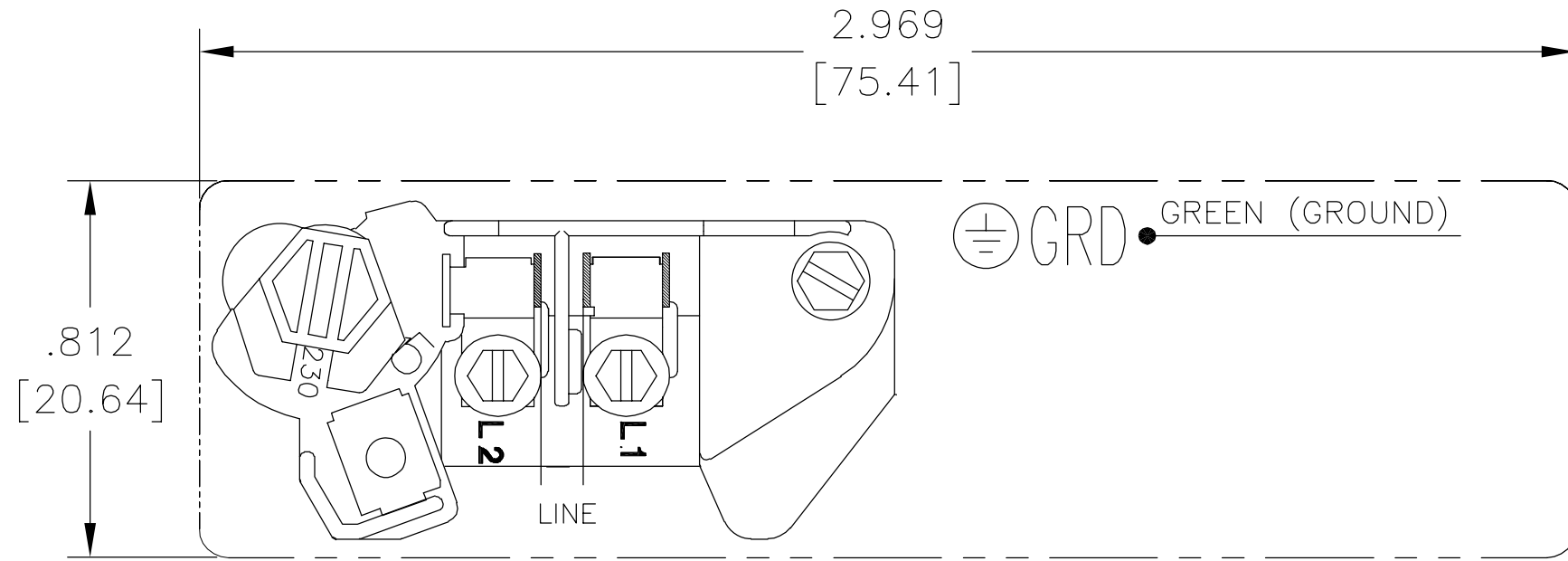
PULG 125 mm 3.2

DIMS METRICAS MOSTRADAS [PARENTESIS]

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DESCRIPCION:	
CONNECTION DIAGRAM EXTERNAL	
TAMAÑO: A	NUMERO DE DIBUJO: 627103-006
ESCALA:NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



- 形位公差
- 平面度
- 直线度
- ∠ 倾斜度
- ⊥ 垂直度
- // 平行度
- 圆度
- ⊘ 圆柱度
- △ 面轮廓度
- ⌒ 线轮廓度
- ↗ 圆跳动
- ⊕ 位置度
- ◎ 同轴度
- ≡ 对称度

除另有注明
尺寸公差如下:

	X	XX	XXX	XXXX
英寸	±.1	±.02	±.005	±.0005
毫米	±0.5	±0.13	±0.013	
角度	±.50 度			
清理毛刺和尖棱				
英寸	.003-.015	毫米	0.1-0.4	
内圆角				
英寸	.020	毫米	0.5	
表面粗糙度				
英制	125	米制	3.2	

米制尺寸显示在 []

绘图:	Daniel Muñoz	04-13-2009
批准:		
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