NOTES, UNLESS OTHERWISE SPECIFIED
1. UNSPECIFIED FILLET RADIUS .005-.010.
2. MATERIAL: AL BAR 6061-T651
3. THREADS PER ANSI B1.1.

ALL DIMENSIONS ARE IN INCHES. INTERPRET
DRAWING PER ASME Y14.5 - 1994

TOERANCES UNLESS OTHERWISE SPECIFIED:
XX ± .03 ± 5°
XX ± .01
XXX ± .005 125°

REMOVE ALL BURRS AND SHARP EDGES
.005 R O.R. CHAMFER MAX

Franklin W. Olin
College of Engineering

REV ZONE DESCRIPTION APPROVED DATE
- INTIAL RELEASE

NOTES, UNLESS OTHERWISE SPECIFIED
1. UNSPECIFIED FILLET RADIUS .005-.010.
2. MATERIAL: AL BAR 6061-T651
3. THREADS PER ANSI B1.1.

ALL DIMENSIONS ARE IN INCHES. INTERPRET
DRAWING PER ASME Y14.5 - 1994

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XX ± .01
XXX ± .005 125°

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Franklin W. Olin
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XX ± .03 ± 5°
XX ± .01
XXX ± .005 125°

REMOVE ALL BURRS AND SHARP EDGES
.005 R O.R. CHAMFER MAX

Franklin W. Olin
College of Engineering
NOTES: UNLESS OTHERWISE SPECIFIED
1. UNSPECIFIED FILLET RADIUS .005-.010.
2. MATERIAL: AL BAR 6061-T651
3. THREADS PER ANSI B1.1.

ALL DIMENSIONS ARE IN INCHES. INTERPRET DRAWING PER ASME Y14.5-1994

SHARP CORNER REQ.
R.03 UNDERCUT PERMITTED

TOLERANCES UNLESS OTHERWISE SPECIFIED:
XX ±.03
X.X ±.01
X.XX ±.005

REMOVE ALL BURRS AND SHARP EDGES .005 R OR CHAMFER MAX

SCALE 4:1
WT 0.06

PREP BY K. BERRY 11/2/2014
APPROVED DATE

Olin College of Engineering

PULLEY, OUTPUT SHAFT
NOTES, UNLESS OTHERWISE SPECIFIED
1. UNSPECIFIED FILLET RADIUS .005-.010.
2. MATERIAL: CLEAR POLYCARBONATE

ALL DIMENSIONS ARE IN INCHES. INTERPRET DRAWING PER ASME Y14.5-1994

1. UNSPECIFIED FILLET RADIUS .005-.010.
2. MATERIAL: CLEAR POLYCARBONATE

TO CLEARANCES UNLESS OTHERWISE SPECIFIED:

XX ± .03 \pm .01
XXX ± .01 \pm .005
XXXX ± .01 \pm .005

REMOVE ALL BURRS AND SHARP EDGES .005 R OR CHAMFER MAX

APPROVED DATE

3-28-08

= (CRITICAL DIMENSION)

COVER, HOUSING

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NOTES, UNLESS OTHERWISE SPECIFIED:
1. UNSPECIFIED FILLET RADIUS: .005-.010.
2. MATERIAL: AL BAR 6061-T651
3. THREADS PER ANSI B1.1.

ALL DIMENSIONS ARE IN INCHES; INTERPRET DRAWING PER ASME Y14.5-1994

REMOVE ALL BURRS AND SHARP EDGES .005 R OR CHAMFER MAX.

CLAMP PLATE, ROTOR

MATERIAL: AL BAR 6061-T651
THREADS PER ANSI B1.1.
NOTES, UNLESS OTHERWISE SPECIFIED:
1. UNSPECIFIED RILLET RADIUS .005-.010.
2. MATERIAL: 416SS RC 28 MIN.
3. THREADS PER ANSI B1.1.

DRAWING PER ASME Y14.5 -1994
ALL DIMENSIONS ARE IN INCHES- INTERPRET .005 R OR CHAMFER MAX
REMOVE ALL BURRS AND SHARP EDGES

SHAFT, ROTOR

SHAPE CORNER REQ
R.03 UNDERCUT PERMITTED

SHARP CORNER REQ
R.03 UNDERCUT PERMITTED

THRU ALL
10-24 UNC

.250-20 UNC -2A

THRU ALL
.030 X 45°

.250-20 UNC -2A

.030 X 45°

SHARP CORNER REQ
R.03 UNDERCUT PERMITTED

SHARP CORNER REQ
R.03 UNDERCUT PERMITTED

.2495
.3748
.3745
.500
.499
.030 X 45°

.3748
.3745
.500
.499
.030 X 45°
3.900

120°

1.000

R

3.897

.201

.500

.499

R1.000

3X \( \phi \) .201

\( \phi \) .500

3X R.150

6X R.150

3X R.150

6X 6.35°

0.048 STK

NOTES, UNLESS OTHERWISE SPECIFIED
1. UNSPECIFIED FILLET RADIUS .005-.010.
2. MATERIAL: 304SS POLISHED SHEET

ALL DIMENSIONS ARE IN INCHES - INTERPRET .005 R OR CHAMFER MAX

TO LEAKS UNLESS OTHERWISE SPECIFIED:
XX \( \pm .03 \) ± 5°
XXX \( \pm .01 \)
XXXX \( \pm .005 \) 125°

REMOVE ALL BURRS AND SHARP EDGES .005 R OR CHAMFER MAX

APPROVED DATE
PREP BY
CHECKED
RESP ENG
QUAL ENG

DISC, TURBINE

Franklin W. Olin
College of Engineering

REV DESCRIPTION
ZONE
INITIAL
RELEASE
APPROVED
DATE

REV ZONE DESCRIPTION
INITIAL RELEASE
APPROVED DATE

DOC REV 4 3 2

approved

PREP BY
D. ANDERSON

CHECKED
D. ANDERSON

RESP ENG
D. ANDERSON

QUAL ENG

SHEET 1 OF 1

P/N 01

Dimensions are in inches. Interpreted .005 R or chamfer max.

XX ± .03 ± 5°
XXX ± .01
XXXX ± .005 125°

Remove all burrs and sharp edges .005 R or chamfer max.

Material: 304SS polished sheet.

Notes unless otherwise specified:
1. Unspecified fillet radius .005-.010.

All dimensions are in inches - interpret .005 R or chamfer max.

To leaks unless otherwise specified:
XX ± .03 ± 5°
XXX ± .01
XXXX ± .005 125°

Remove all burrs and sharp edges .005 R or chamfer max.

Approved by D. Anderson.

Checked by D. Anderson.

Responsibility engineer D. Anderson.

Quality engineer.

DISC, TURBINE

Franklin W. Olin College of Engineering

Rev. Zone Description
Initial Release
Approved Date

Doc Rev 4 3 2

Prep by D. Anderson

Checked D. Anderson

Responsibility engineer D. Anderson

Quality engineer

Sheet 1 of 1

Part number 01

Dimensions are in inches. Interpreted .005 R or chamfer max.

XX ± .03 ± 5°
XXX ± .01
XXXX ± .005 125°

Remove all burrs and sharp edges .005 R or chamfer max.

Material: 304SS polished sheet.

Notes unless otherwise specified:
1. Unspecified fillet radius .005-.010.

All dimensions are in inches - interpret .005 R or chamfer max.

To leaks unless otherwise specified:
XX ± .03 ± 5°
XXX ± .01
XXXX ± .005 125°

Remove all burrs and sharp edges .005 R or chamfer max.

Approved by D. Anderson.

Checked by D. Anderson.

Responsibility engineer D. Anderson.

Quality engineer.

DISC, TURBINE

Franklin W. Olin College of Engineering

Rev. Zone Description
Initial Release
Approved Date

Doc Rev 4 3 2

Prep by D. Anderson

Checked D. Anderson

Responsibility engineer D. Anderson

Quality engineer

Sheet 1 of 1

Part number 01

Dimensions are in inches. Interpreted .005 R or chamfer max.

XX ± .03 ± 5°
XXX ± .01
XXXX ± .005 125°

Remove all burrs and sharp edges .005 R or chamfer max.

Material: 304SS polished sheet.