

SECTION A-A

THREAD DETAIL INFORMATION:
6 THREADS PER INCH, 0.167" PITCH

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	±0.010 [0.25]	in [mm]	1.656 [42.06]
T	±0.010 [0.25]	in [mm]	1.752 [44.50]
H	±0.010 [0.25]	in [mm]	0.390 [9.91]
OD	±0.012 [0.30]	in [mm]	1.865 [47.37]
OAH	±0.010 [0.25]	in [mm]	0.445 [11.30]
PART WEIGHT	± 0.50	g	3.90

STATIC TORQUE RECOMMENDATION
17-27 in-lbs
THIS REQUIREMENT MAY VARY DEPENDING UPON BOTTLE MATERIAL, NECK FINISH, AND CAPPING EQUIPMENT

THE CLOSURE DIMENSIONS DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN FOUND TO BE FUNCTIONAL BASED ON INDUSTRY EXPERIENCE BECAUSE OF VARIABILITY IN GLASS AND PLASTIC CONTAINER FINISHES, EACH CLOSURE/FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA. SEE QUALITY ASSURANCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

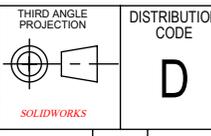
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DRAWING TYPE : **CUSTOMER**

REPLACES DRAWINGS: C-3010
DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED

TOLERANCES UNLESS OTHERWISE SPECIFIED			
DIMENSION (inches)	TOLERANCE	DIMENSION (mm)	TOLERANCE
0-0.787	±0.006	0-20	±0.152
0.788-1.181	±0.008	21-30	±0.203
1.182-2.756	±0.012	31-70	±0.305
2.757-3.937	±0.016	71-100	±0.406
3.938-5.096	±0.020	101-150	±0.508
5.097-7.874	±0.024	151-200	±0.610
7.875-9.843	±0.032	201-250	±0.813

ANGULAR TOLERANCE ± 2°
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DISTRIBUTION CODE: **D**
DRAWING NAME: **45-400 CT CLOSURE**
RS (Ribbed Side - Smooth Top)
DRAWING NUMBER: **CQA - 10301**

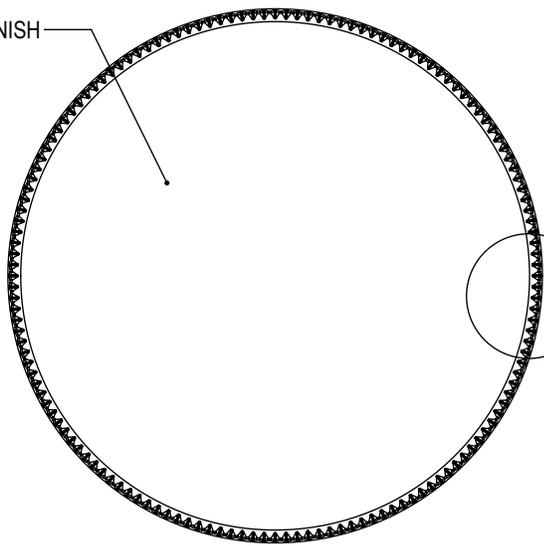
DRAWN BY: JDM 6/3/2016
ENG APPR: BDG 8/17/2017
QA APPR: REL 09/05/2017

MATERIAL: **POLYPROPYLENE**
MODEL NUMBER: **PM 10297 45-400 CT**

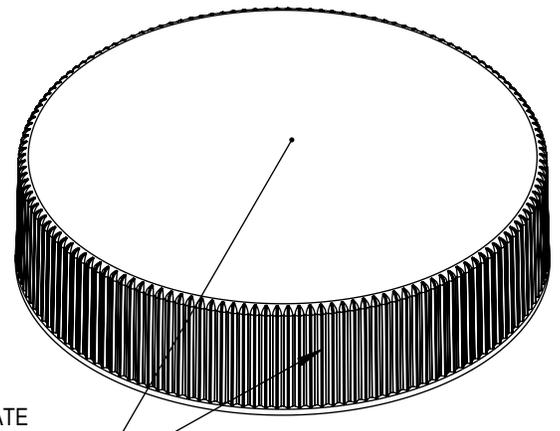
SCALE	SHEET SIZE	SHEET	REV.NP
1:1	8.5in*11in	1 of 3	00.AC

REVISIONS						
DATE	REV.	N/P	PRODUCT DRAWING REQUEST	DESCRIPTION	ENG	DRW
6/3/2016	00	AA	PDR 16-025	UPDATE DRAWING FORMAT, REFER TO C-3010 FOR REVISION HISTORY	JDM	JDM
5/5/2017	00	AB		ADDED GATE LOCATION OPTION	JDM	JDM
7/27/17	00	AC	PDR 17-035	UPDATED OD TOLERANCE, T DIMENSION AND PART WEIGHT BASED ON HISTORICAL DATA	BDG	DAS

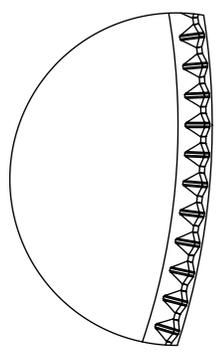
SMOOTH FINISH



RIBS



OPTIONAL GATE LOCATIONS
(SEE TABLE BELOW)



152 EQUALLY SPACED RIBS
DETAIL RIBS
SCALE 4 : 1

MOLD NUMBER	GATE LOCATION
45001	SIDE
45002	SIDE
45003	SIDE
45005	SIDE
45007	SIDE
45011	TOP CENTER

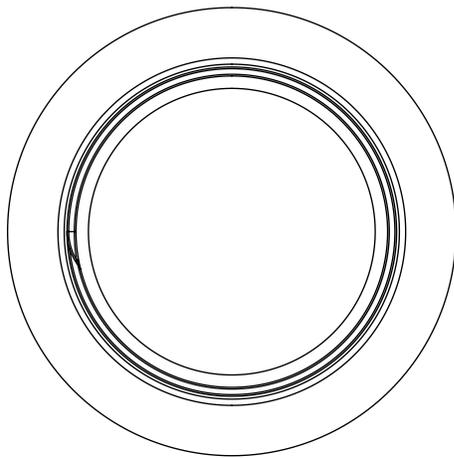
DRAWING TYPE : CUSTOMER			
REFERENCES: 45001, 45002, 45003, 45005, 45007, 45011		DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
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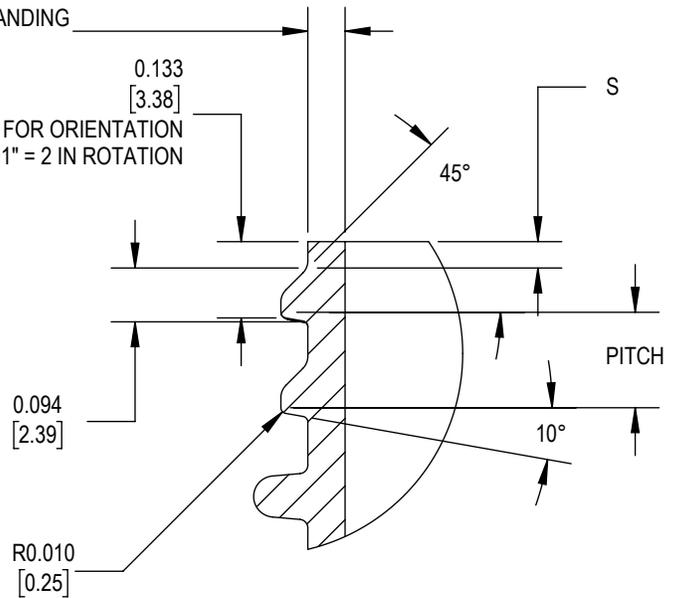


THIRD ANGLE PROJECTION	DISTRIBUTION CODE	DRAWING NAME	
	D	45-400 CT CLOSURE RS (Ribbed Side - Smooth Top)	
DRAWN BY: JDM 6/3/2016		DRAWING NUMBER: CQA - 10301	
MATERIAL: POLYPROPYLENE		MODEL NUMBER: PM 10297 45-400 CT	
ENG APPR: BDG 8/17/2017	QA APPR: REL 09/05/2017	SCALE: 1:1	SHEET: 2 of 3
		SHEET SIZE: 8.5 X 11	REV.NP: 00.AC



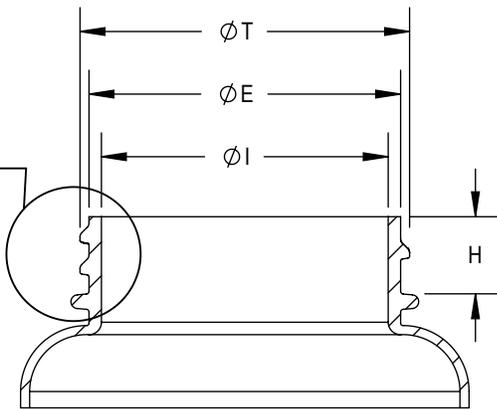
MINIMUM NECK LANDING
OF 0.050"

0.133
[3.38]
S' - CRITICAL FOR ORIENTATION
0.001" = 2 IN ROTATION



DETAIL THREAD
SCALE 3 : 1

THREAD



SECTION C-C
SCALE 1 : 1

REFERENCE	TOLERANCE	UNITS	DIMENSION
E	± 0.017 [0.43]	in [mm]	1.631 [41.43]
T	± 0.017 [0.43]	in [mm]	1.725 [43.82]
I	MINIMUM	in [mm]	1.525 [38.74]
S	± 0.015 [0.38]	in [mm]	0.046 [1.17]
H	± 0.015 [0.38]	in [mm]	0.415 [10.54]
TPI			6
PITCH		in [mm]	0.167 [4.24]

NOTE: THE NOMINAL ORIENTATION ILLUSTRATED IS BASED ON NOMINAL DIMENSIONS OF BOTH THE CLOSURE AND THE RECOMMENDED NECK FINISH. FOR EXACT ORIENTATION EACH BOTTLE SHOULD BE EVALUATED ON A CASE BY CASE BASIS.

DRAWING TYPE : CUSTOMER

DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED

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THIRD ANGLE PROJECTION

DISTRIBUTION CODE

D

DRAWING NAME

45-400 CT CLOSURE
RECOMMENDED NECK FINISH

DRAWING NUMBER

CQA - 10301

DRAWN BY: JDM

6/3/2016

MATERIAL

ENG APPR: BDG

8/17/2017

MODEL NUMBER:

QA APPR: REL

09/05/2017

SCALE

1:2

SHEET SIZE

8.5 X 11

SHEET

3 of 3

REV/N/P

00.AC

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