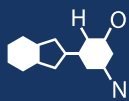


IF YOU...



MIX IT. FILL IT. PACK IT. SHIP IT.

WE HAVE A PRODUCT FOR YOU

Part #: 68W45B

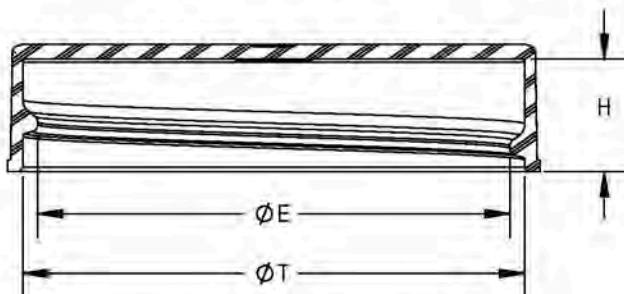
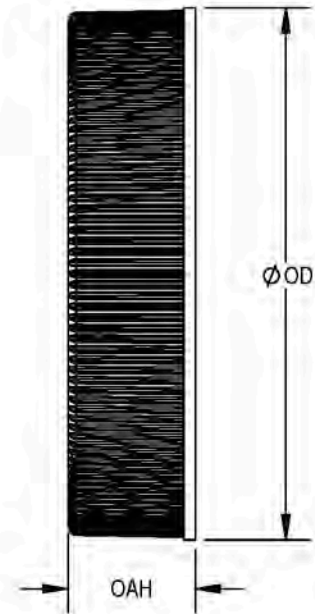
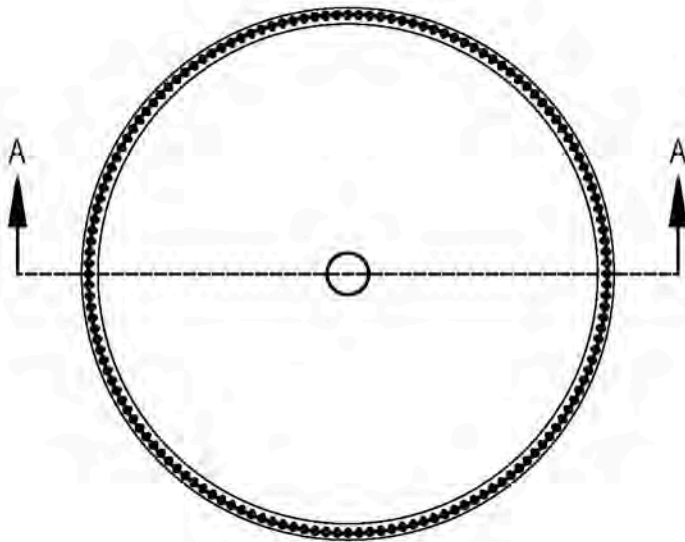
Continuous Thread Caps

45mm 45-400 Black Ribbed (Smooth Top)
Plastic Cap w/PS22 Liner



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Est. 1895

1195 W. Fullerton Ave. | Addison, IL 60101 | T: 630.629.6600 | F: 630.629.3690 |



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]
OA	± 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

DRAWING TYPE: CUSTOMER

REPLACES DRAWINGS:
C-3010

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

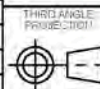
TOLERANCES UNLESS OTHERWISE SPECIFIED

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 $\pm 2^\circ$

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DISTRIBUTION
CODE

D

DRAWING NAME
45-400 CT CLOSURE
RS (Ribbed Side - Smooth Top)

DRAWING NUMBER
CQA - 10301

MATERIAL
POLYPROPYLENE

MODEL NUMBER:
PM 10297 45-400 CT

DRAWN BY: JDM 6/3/2016

ENG APPR: LES 1/3/2022

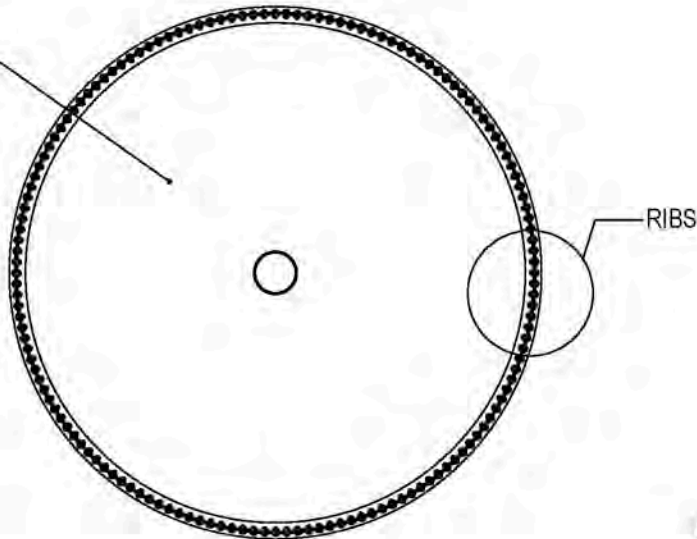
QA APPR: TEM 01/03/2022

SCALE	SHEET SIZE	SHEET	REV/MP
1:1	11in*8.5in	1 of 3	00 AD

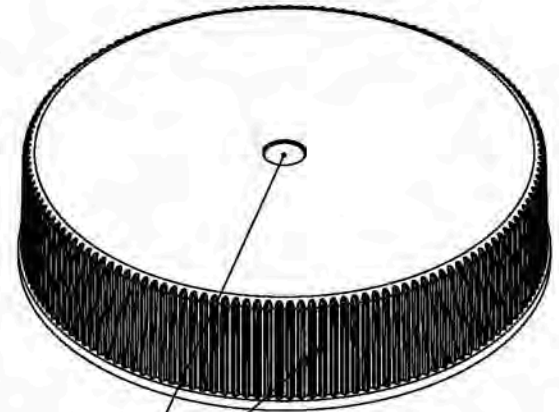
REVISIONS

DATE	REV.	N/P	DESCRIPTION	ENG	DRW
6/3/2016	00	AA	UPDATE DRAWING FORMAT, REFER TO C-3010 FOR REVISION HISTORY	JDM	JDM
5/5/2017	00	AB	ADDED GATE LOCATION OPTION	JDM	JDM
7/27/2017	00	AC	UPDATED OD TOLERANCE, T DIMENSION AND PART WEIGHT BASED ON HISTORICAL DATA	BDG	DAS
12/9/2021	00	AD	CORRECT RIB COUNT NOTE TO MATCH PHYSICAL PARTS ADD NEW MOLD NUMBER. UPDATE RECOMMENDED NECK FINISH "H" TOLERANCE FROM BILATERAL (+/-) TO RECOMMENDED MINIMUM.	LES	LES

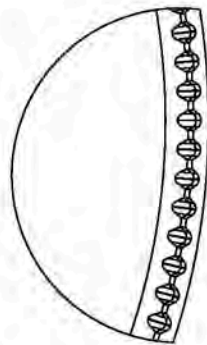
POLISHED
FINISH



RIBS



OPTIONAL GATE
LOCATIONS
(SEE TABLE BELOW)



148 EQUALLY SPACED RIBS
DETAIL RIBS
SCALE 4 : 1

MOLD NUMBER	GATE LOCATION
45007	SIDE
45011	TOP CENTER
45017	TOP CENTER

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REVISION PRIOR TO USE.

DRAWING TYPE: CUSTOMER

REFERENCES:
45007, 45011, 45017

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

TOLERANCES UNLESS OTHERWISE SPECIFIED

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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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DRAWING NAME
45-400 CT CLOSURE
RS (Ribbed Side - Smooth Top)

DRAWING NUMBER
CQA - 10301

DRAWN BY: JDM

1/3/2022

MATERIAL
POLYPROPYLENE

ENG APPR: LES

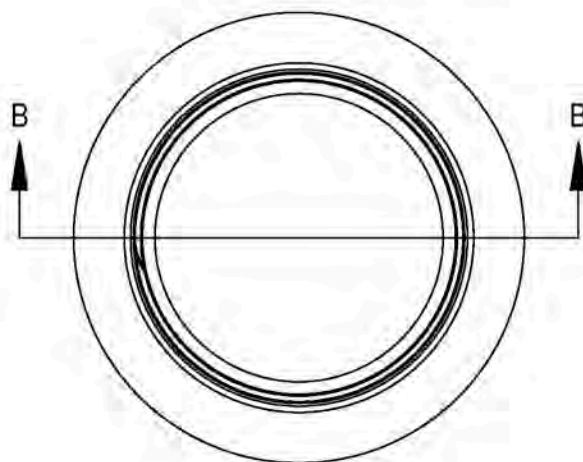
1/3/2022

MODEL NUMBER: PM 10297 45-400 CT

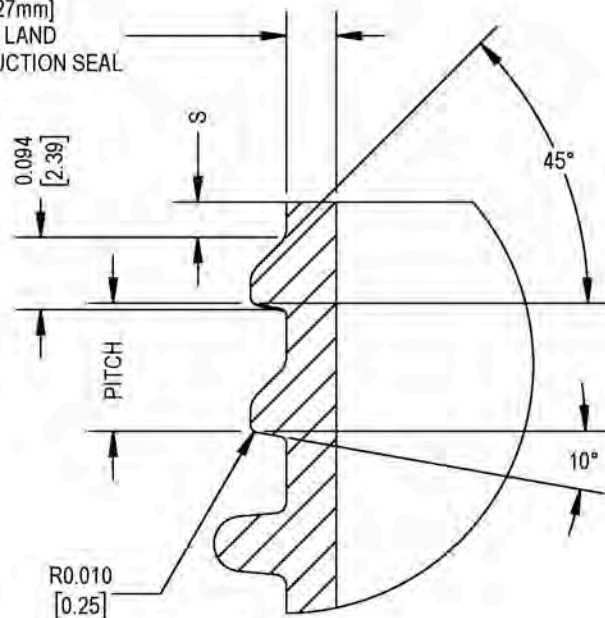
QA APPR: TBM

01/03/2022

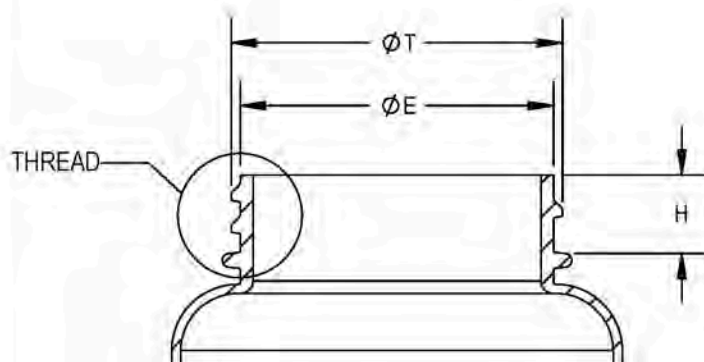
SCALE	SHEET SIZE	SHEET	REV/NP
1.5:1 & NOTED	8.5 X 11	2 of 3	00 AD



0.050" [1.27mm]
MINIMUM LAND
FOR INDUCTION SEAL



DETAIL THREAD
SCALE 4 : 1



SECTION B-B
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]
S	± 0.015 [0.38]	in [mm]	0.046 [1.17]
H	MINIMUM	in [mm]	0.400 [10.16]
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

TOLERANCES UNLESS OTHERWISE SPECIFIED

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7.875-9.843	±0.032	201-250	±0.813

ANGULAR TOLERANCE ± 2°

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DRAWING NAME

45-400 CT CLOSURE
RECOMMENDED NECK FINISH

DRAWING NUMBER

CQA - 10301

DRAWN BY:

JDM

6/3/2016

MATERIAL

ENG APPR:

LES

1/3/2022

MODEL NUMBER:

QA APPR:

TEM

01/03/2022

SCALE
1:1 & NOTED

SHEET SIZE
8.5 X 11

SHEET
3 of 3

REV/NP
00 AD