

Represented by



ILLINGTM
P A C K A G I N G

Product Specification Sheet

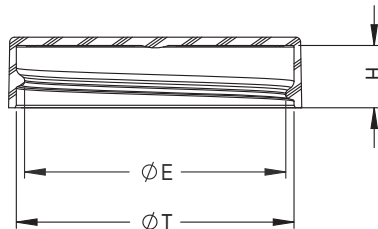
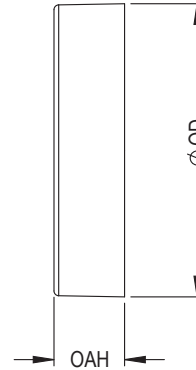
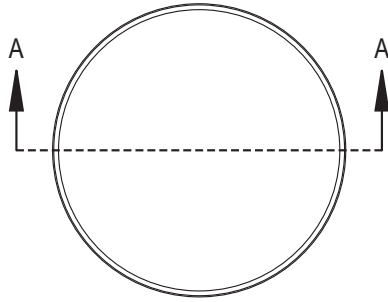
Illing Part#

3644MR

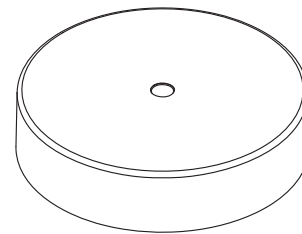
45-400 WHITE PP CAP SMOOTH TOP & SIDES WITH F217.035 PLN LINER

Part #: 3644MR

Size:	45-400 NECK
Color:	WHITE
Material:	PP
Style:	SMOOTH TOP & SIDES CAP
Additional Info:	F217.035 PLN LINER
Case Pack:	2000 / EACH
Pallet Pack:	70000 / EACH



SECTION A-A



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

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

DIMENSIONS PRECEDED BY AN *** INDICATE THE DIMENSION IS
PROCESS SENSITIVE. PROCESS SENSITIVE DIMENSIONS ARE
VERIFIED TO BE WITHIN THE TOLERANCE LIMITS DURING THE
PRODUCTION RUN. ALL REMAINING DIMENSIONS ARE VERIFIED AT
PRODUCTION VALIDATION.

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BECAUSE OF VARIABILITY IN CONTAINER FINISHES, EACH CLOSURE/FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO
ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA.

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REFERENCE	DIMENSION	TOLERANCE	UNITS
E	1.656 [42.06]	±.010 [0.25]	in [mm]
T	1.752 [44.50]	±.010 [0.25]	in [mm]
H	0.390 [9.91]	±.010 [0.25]	in [mm]
OD	1.850 [46.99]	±.012 [0.30]	in [mm]
OAH	0.445 [11.30]	±.010 [0.25]	in [mm]
PART WEIGHT	3.69	± 0.50	g

THREAD DETAIL INFORMATION:	6 THREADS PER INCH	0.167" [4.24] PITCH	360° FULL DEPTH THREADS
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DRAWN BY:	JDM	6/3/2016
ENG APPR:	BDG	8/17/2017
QA APPR:	REL	09/05/2017



DRAWING TITLE:

45-400 CT CLOSURE
SS (SMOOTH SIDE - SMOOTH TOP)

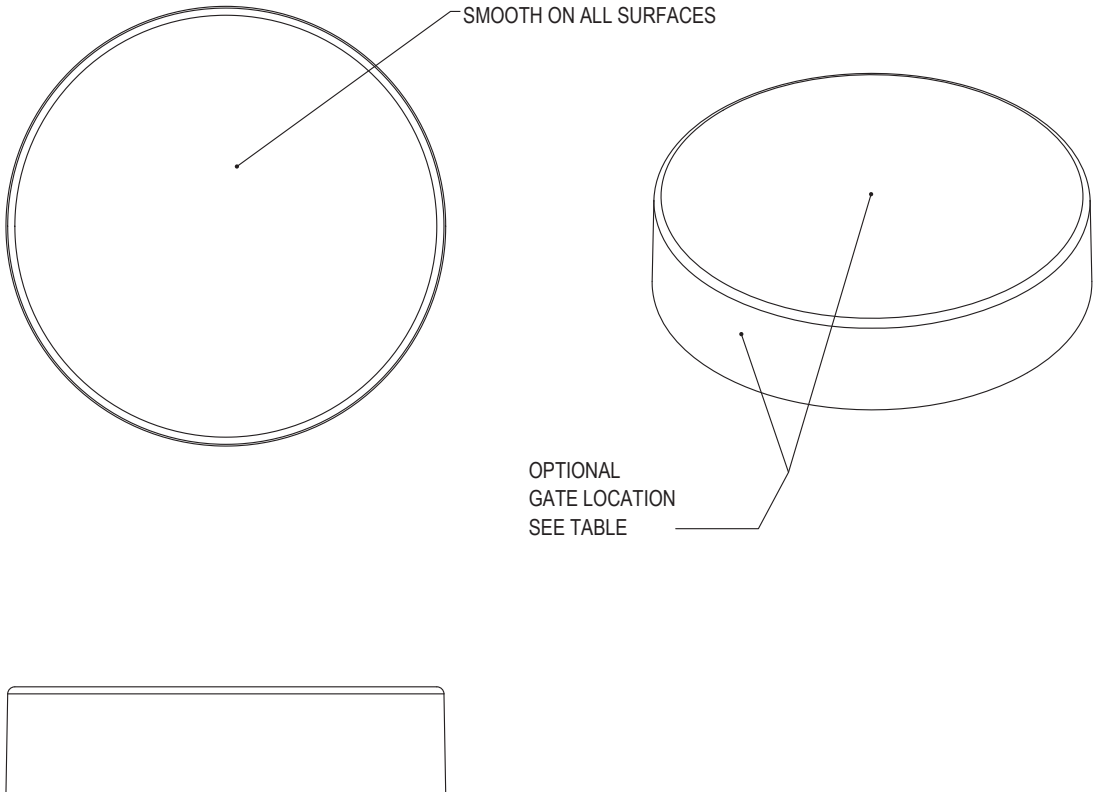
MATERIAL: POLYPROPYLENE

DRAWING TYPE: CUSTOMER DISTRIBUTION CODE: D

REPLACES DRAWINGS: C-1010

MODEL NUMBER: PM 10297 45-400 CT

DWG SIZE:	8.5" x 11"	DRAWING NUMBER:	REVISION:
SCALE:	1:1 & NOTED	SHEET:	1 OF 3
		CQA-10300	00.AD

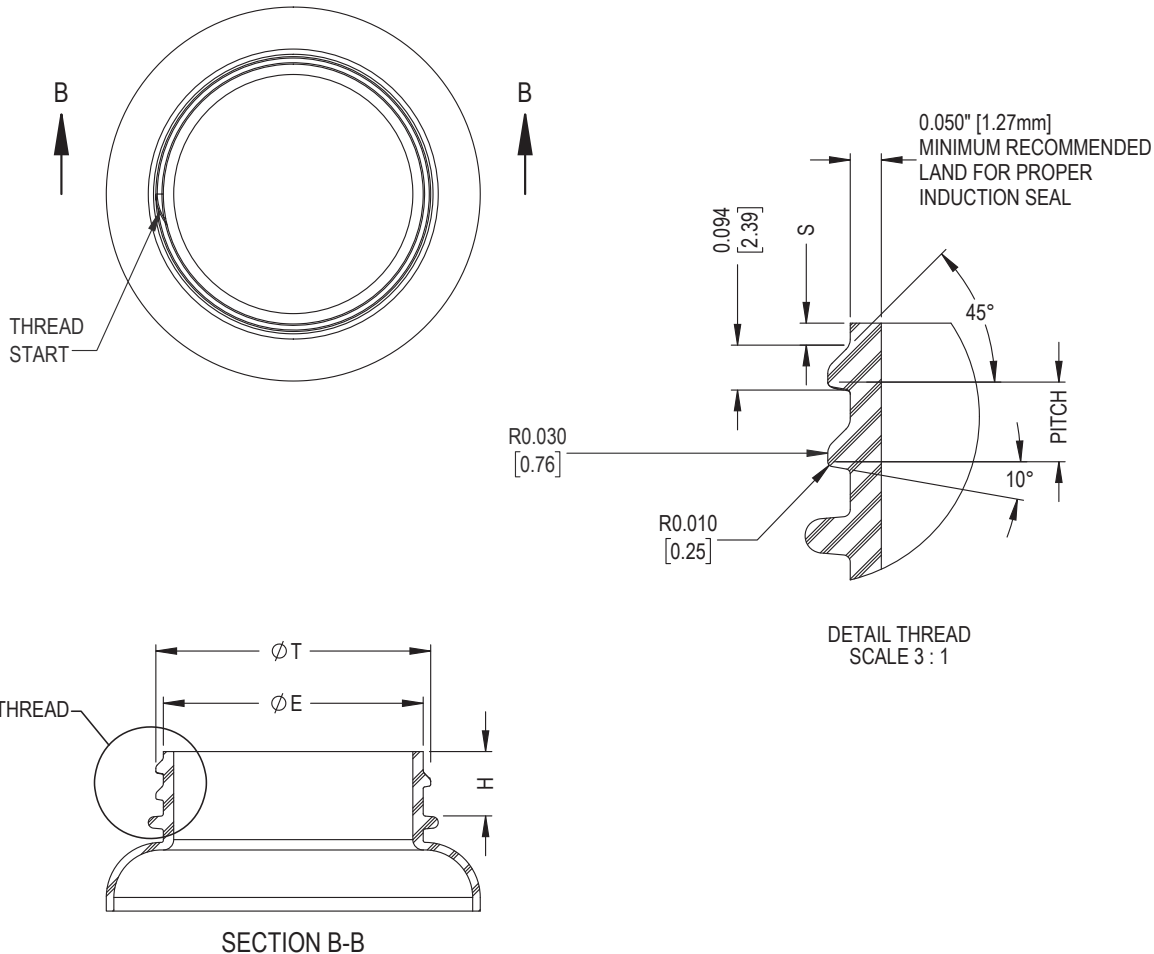


MOLD NUMBER	GATE LOCATION
45001	SIDE
45003	SIDE
45005	SIDE
45007	SIDE
45011	TOP CENTER

DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	DATE	REV	N/P	DESCRIPTION	ENG	DRW
	06/03/2016	00	AA	UPDATE DRAWING FORMAT, REFER TO C-1010 FOR REVISION HISTORY	JDM	JDM
	06/14/2017	00	AB	UPDATED OD TOLERANCE, T DIMENSION AND PART WEIGHT BASED ON HISTORICAL DATA, ADDED GATE LOCATION TABLE.	BDG	BDG
	06/15/2023	00	AC	UPDATE DRAWING FORMAT & LOGO	LES	LES
	02/08/2024	00	AD	CORRECTED ISO VIEW ON PAGE 1	BDG	BDG
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THE PART DIMENSIONS DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN FOUND TO BE FUNCTIONAL BASED ON INDUSTRY EXPERIENCE BECAUSE OF VARIABILITY IN CONTAINER FINISHES, EACH CLOSURE/FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA. MOLD-RITE PLASTICS AND ITS SUBSIDIARIES RESERVE THE RIGHT TO REVISE ANY OR ALL SPECIFICATIONS AND REQUIREMENTS.						
REVISION HISTORY						
REVISIONS: REV: A PHYSICAL CHANGE TO THE PART IMPACTING FIT, FORM OR FUNCTION N/P: DRAWING OR SPECIFICATION CHANGE ONLY						



DRAWING TITLE:			
45-400 CT CLOSURE SS (SMOOTH SIDE - SMOOTH TOP)			
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DWG SIZE: 8.5" x 11"	DRAWING NUMBER:		REVISION:
SCALE: 1:1 & NOTED	SHEET: 2 OF 3	CQA-10300	00.AD



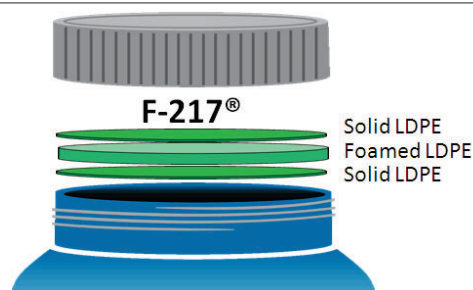
RECOMMENDED NECK FINISH IS DETERMINED FOR PROPER FUNCTIONAL PERFORMANCE WITH MOLD-RITE CLOSURE. USE OF MOLD-RITE CLOSURE WITH CONTAINER NOT MATCHING RECOMMENDED NECK FINISH SHOULD BE TESTED AND CONFIRMED FOR APPLICATION BY THE USER.
NOMINAL ORIENTATION OF CLOSURE (IF INDICATED) IS BASED ON NOMINAL DIMENSIONS OF BOTH CLOSURE AND RECOMMENDED NECK FINISH. FOR EXACT ORIENTATION, EACH CONTAINER SHOULD BE EVALUATED ON A CASE BY CASE BASIS.
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NECK FINISH DIMENSIONS ASSUME ZERO THICKNESS (NO) LINER			
REFERENCE	DIMENSION	TOLERANCE	UNITS
Ø E	1.631 [41.43]	±0.012 [0.30]	in [mm]
Ø T	1.725 [43.82]	± 0.017 [0.43]	in [mm]
S	0.046 [1.17]	± 0.015 [0.38]	in [mm]
H	0.415 [10.54]	± 0.015 [0.38]	in [mm]
THREADS PER INCH	6		
PITCH	0.167 [4.24]		in [mm]

DRAWING TITLE: 45-400 CT CLOSURE SS (SMOOTH SIDE - SMOOTH TOP) RECOMMENDED NECK FINISH			
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DWG SIZE: 8.5" x 11"		DRAWING NUMBER:	
SCALE: 1:1 & NOTED		SHEET: 3 OF 3	
		CQA-10300	
		00.AD	


TRI-SEALTM PRODUCT DATA SHEET


- This data sheet describes F-217® products
- This product is a three-ply co-extruded liner consisting of a foamed Low Density Polyethylene (LDPE) core sandwiched between two layers of solid Low Density Polyethylene



MRP Description - (024)F217.035 PL

Typical Product Attributes
Construction

Structure	Solid LDPE / Foamed LDPE / Solid LDPE	Solid LDPE / Foamed LDPE / Solid LDPE
Color	White or as Specified	White or as Specified
Density		
for 20 ~ 30 mil (0,51 ~ 0,76 mm)	0,48 ± 0,03 g / cm ³	30 ± 2 lbs / ft ³
for 35 ~ 125 mil (0,89 ~ 3,18 mm)	0,40 ± 0,03 g / cm ³	25 ± 2 lbs / ft ³
Thickness Tolerance		
for 20 ~ 60 mil (0,51 ~ 1,52 mm)	± 0,127 mm	± 5 mil
for 65 ~ 90 mil (1,65 ~ 2,29 mm)	± 0,178 mm	± 7 mil
for 95 ~ 125 mil (2,41 ~ 3,18 mm)	± 0,254 mm	± 10 mil
Available Width		
for 20 ~ 60 mil (0,51 ~ 1,52 mm)	22,2 ~ 1016,0 mm	7/8 ~ 40 inch
for 65 ~ 125 mil (1,65 ~ 3,18 mm)	25,4 ~ 228,6 mm	1 ~ 9 inch
Width tolerance	± 1,6 mm	± 1/16 inch

Regulatory Compliance

FDA Compliance	21 CFR 177.1520 (Olefin Polymers) 21 CFR 177.1210 (Closures with Sealing Gaskets for Food Containers) 21 CFR 175.300 (Resinous and Polymeric Coatings)
Drug Master File (DMF)	2434
Other Compliances	USFDA Food Allergen Guidelines; California Proposition 65 Labeling Requirements; Limitations of Heavy Metals in Packaging per CONEG & EU 94/62/EC, Article 11

 Original Date: 08/05/1997
 Revised Date: 01/31/2011
 Revision Number: 5
 Revised by SR

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