

Represented by



**ILLING**<sup>TM</sup>  
P A C K A G I N G

## Product Specification Sheet

Illing Part#

3612BL

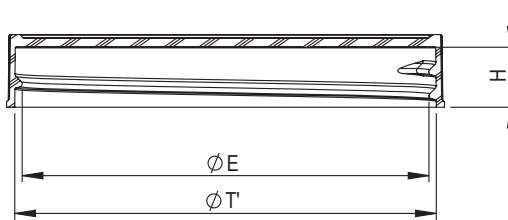
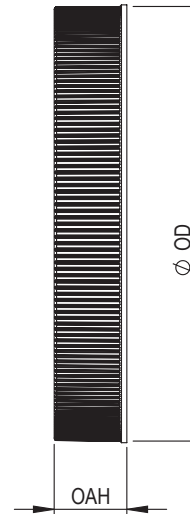
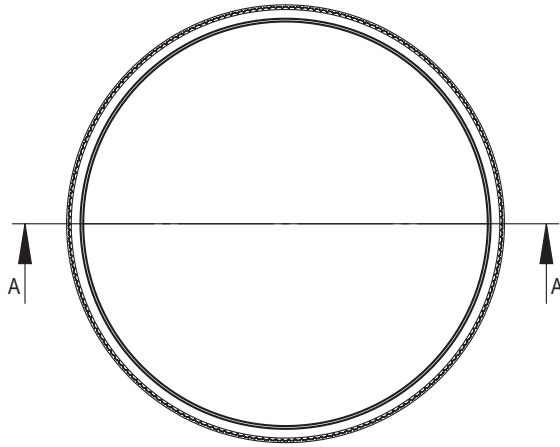
# 89-400 BLUE PP RIBBED SIDES W MATTE TOP (854) FS5-4/C1S.008 R SFYP

Part #: 3612BL

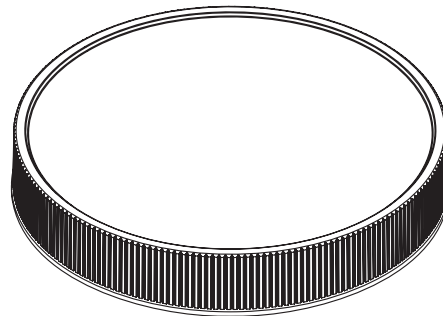
|                  |                                    |
|------------------|------------------------------------|
| Size:            | 89-400 NECK                        |
| Color:           | BLUE                               |
| Material:        | PP                                 |
| Style:           | RIBBED SIDES AND MATTE TOP         |
| Additional Info: | LINER - (854) FS5-4/C1S.008 R SFYP |
| Case Pack:       | 580 / EACH                         |
| Pallet Pack:     | 16,240 / EACH                      |



[www.illingpackaging.com](http://www.illingpackaging.com)



SECTION A-A



STATIC TORQUE RECOMMENDATION: 40-70 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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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.

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| REFERENCE   | DIMENSION     | TOLERANCE     | UNITS   |
|-------------|---------------|---------------|---------|
| T           | 3.528 [89.61] | ±0.010 [0.25] | in [mm] |
| E           | 3.405 [86.49] | ±0.010 [0.25] | in [mm] |
| H           | 0.502 [12.75] | ±0.010 [0.25] | in [mm] |
| OAH         | 0.608 [15.44] | ±0.010 [0.25] | in [mm] |
| OD          | 3.644 [92.56] | ±0.012 [0.30] | in [mm] |
| PART WEIGHT | 13.3          | ± 2.5         | g       |

THREAD DETAIL: 5 THREADS PER INCH 0.200" [5.08] PITCH 380° FULL DEPTH THREADS



DRAWING TITLE:  
**89-400 CT CLOSURE**  
RM (Ribbed-Matted-Stacking)

MATERIAL: POLYPROPYLENE

DRAWING TYPE: CUSTOMER DISTRIBUTION CODE: D

REPLACES DRAWINGS: C-4017

MODEL NUMBER: PM 10407 89-400 CT

DRAWN BY: DAS 10/5/2016 DWG SIZE: 8.5" x 11" DRAWING NUMBER: REVISION:

ENG APPR: BDG 8/25/2022 SCALE: SHEET: 1 OF 3 CQA-10408 00.AD

QA APPR: TEM 08/25/2022 3/4 & NOTED

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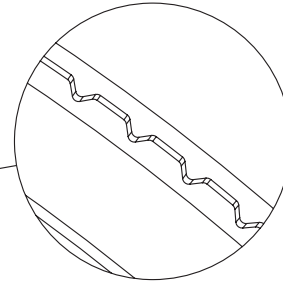
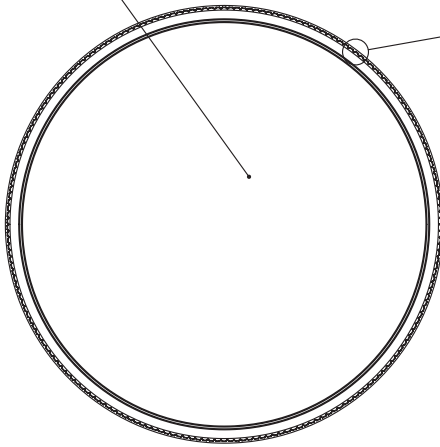
**ILLING**<sup>TM</sup>  
P A C K A G I N G

# Product Specification Sheet

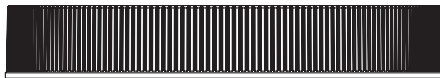
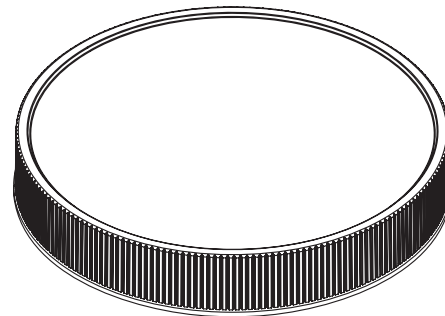
Illing Part#

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MATTE  
FINISH



SCALE 8 : 1  
210 EQUISPACED RIBS



GATE  
LOCATION

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

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## REVISIONS

| DATE       | REV. | N/P | DESCRIPTION                                                      | ENG | DRW |
|------------|------|-----|------------------------------------------------------------------|-----|-----|
| 10/06/2016 | 00   | AA  | UPDATED DRAWING FORMAT - REFER TO C-1017 FOR<br>REVISION HISTORY | JDM | JDM |
| 08/17/2018 | 00   | AB  | ADDED GATE LOCATION                                              | BDG | DAS |
| 12/17/2019 | 00   | AC  | CORRECTED STACK RING ON PRODUCT MODEL                            | BDG | BDG |
| 08/24/2023 | 00   | AD  | UPDATED DRAWING FORMAT AND LOGO                                  | BDG | BDG |

## REVISION HISTORY

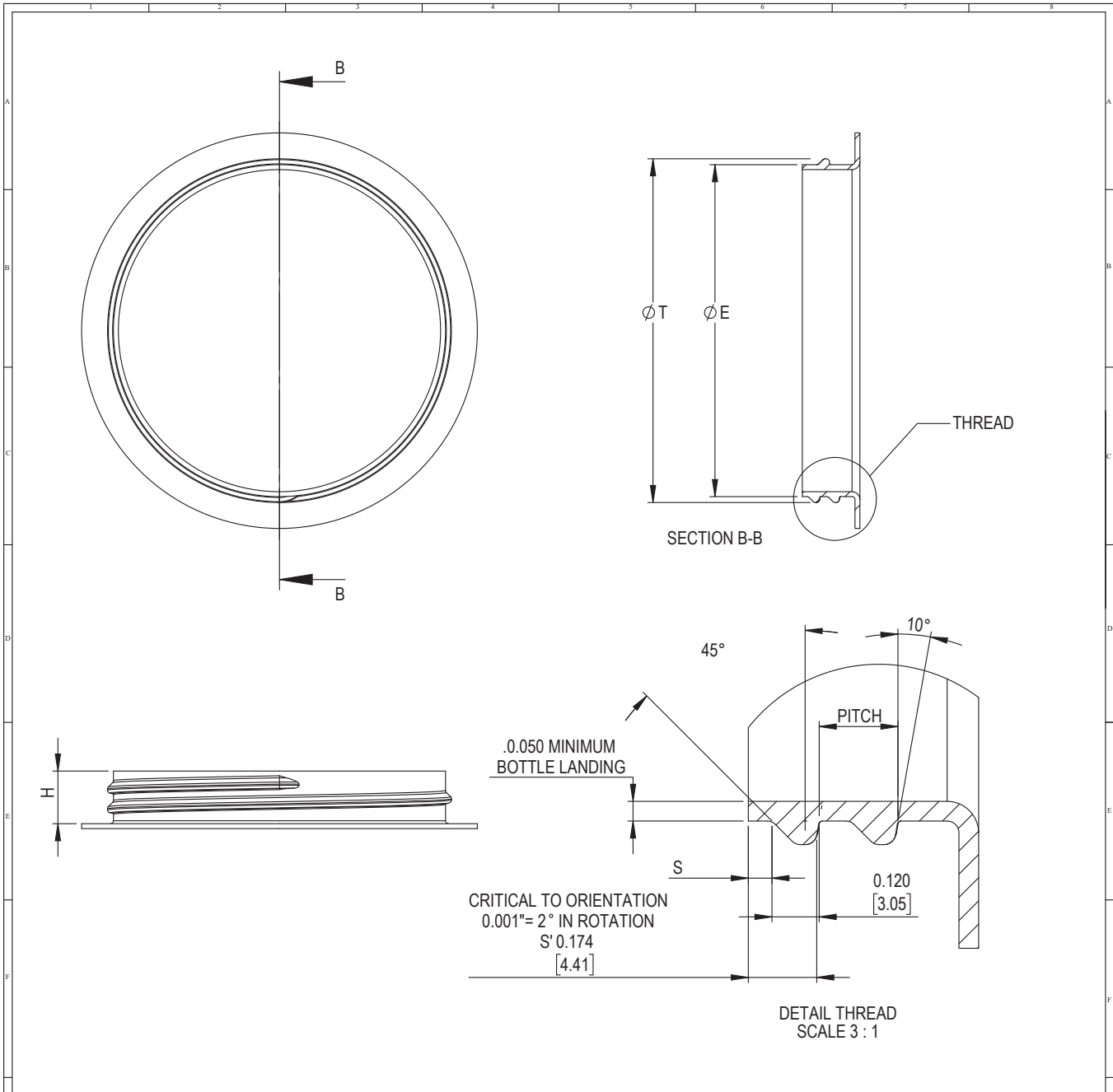
REVISIONS: REV: A PHYSICAL CHANGE TO THE PART IMPACTING FIT, FORM OR FUNCTION  
N/P: DRAWING OR SPECIFICATION CHANGE ONLY



DRAWING TITLE:  
**89-400 CT CLOSURE**  
RM (Ribbed-Matted-Stacking)

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|------------------------|---------------------------|
| DRAWING TYPE: CUSTOMER | DISTRIBUTION CODE: D      |
| DWG SIZE: 8.5" x 11"   | DRAWING NUMBER: CQA-10408 |
| SCALE: 3.4 & NOTED     | SHEET: 2 OF 3             |
| REVISION:              | 00.AD                     |



|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                  |               |              |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|---------|
| <p>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.</p>                                                                                                   | REFERENCE                                                                                                                                                                                        | DIMENSION     | TOLERANCE    | UNITS   |
|                                                                                                                                                                                                                                                                                                                                                   | E                                                                                                                                                                                                | 3.374 [85.70] | ±0.017[0.43] | in [mm] |
| <p>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.</p>                                                                                                                               | T                                                                                                                                                                                                | 3.494 [88.75] | ±0.017[0.43] | in [mm] |
|                                                                                                                                                                                                                                                                                                                                                   | S                                                                                                                                                                                                | 0.060 [1.52]  | ±0.015[0.38] | in [mm] |
| <p>DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED</p>                                                                                                                                                                                                                                           | H                                                                                                                                                                                                | 0.535 [13.59] | ±0.015[0.38] | in [mm] |
|                                                                                                                                                                                                                                                                                                                                                   | PITCH                                                                                                                                                                                            | 0.200         |              | in [mm] |
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|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                  |               |              |         |
| <p>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.</p>                                             | <p>THIS MASTER DOCUMENT IS CONTROLLED ELECTRONICALLY. PRINTED OR DOWNLOADED COPIES ARE UNCONTROLLED. DOCUMENT USERS ARE RESPONSIBLE FOR ENSURING THEY HAVE THE LATEST REVISION PRIOR TO USE.</p> |               |              |         |
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| <p>MOLD-RITE PLASTICS AND ITS SUBSIDIARIES RESERVE THE RIGHT TO REVISE ANY OR ALL SPECIFICATIONS AND REQUIREMENTS.</p>                                                                                                                                                                                                                            | <p>DWG SIZE: 8.5" x 11"      DRAWING NUMBER:      REVISION:</p>                                                                                                                                  |               |              |         |
|                                                                                                                                                                                                                                                                                                                                                   | <p>SCALE: 3/4 &amp; NOTED      SHEET: 3 OF 3      CQA-10408      00.AD</p>                                                                                                                       |               |              |         |



DRAWING TITLE:  
**89-400 CT CLOSURE**  
RM (Ribbed-Matted-Stacking)  
RECOMMENDED NECK FINISH

Represented by



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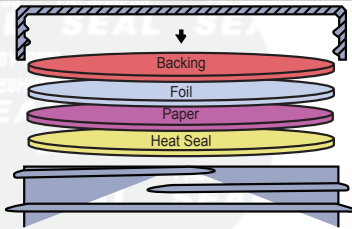
Freshness and Protection for Today's Packaging

## FoilSeal™ Technical Data Sheet

**.008" C1S FS 5-4**

Revision: FS54-09222014

MRP Description - (854)FS5-4/C1S.008 R SFYP

|                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                    |                                                                                                  |                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Product                                                                                                                                                                                                                                                                                                            | .008" C1S FS 5-4                                                                                                                                                                                                                                                                                                   |                                                                                                  |                                                                                                                                         |
| Scope                                                                                                                                                                                                                                                                                                              | One piece board backed heat induction foil innerseal which combines ease of removal with tamper-evident properties. It is suggested for sealing to PE, PP, PET, PVC, PS and properly treated glass containers. This material will vent gas through the paper layer and is suggeseted for use on dry products only. |                                                                                                  |                                                                                                                                         |
| Composition                                                                                                                                                                                                                                                                                                        | Material                                                                                                                                                                                                                                                                                                           | Standard                                                                                         | Metric                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                    | Backing                                                                                                                                                                                                                                                                                                            | .008"                                                                                            | .2032 mm                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                    | Foil                                                                                                                                                                                                                                                                                                               | .001"                                                                                            | .0254 mm                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                    | Paper                                                                                                                                                                                                                                                                                                              | .002"                                                                                            | .0508 mm                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                    | Heat Seal                                                                                                                                                                                                                                                                                                          | .0015"                                                                                           | .0381 mm                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                    |                                                                                                  |  <p>Adhesive or resin bonding layers not shown.</p> |
| FDA Status: 21 CFR 177.1210                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                    | Recommended Storage and Handling: Refer to Website.                                              |                                                                                                                                         |
| Drug Master File (DMF): #4544                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                    | EU / EP Reg.: Does not meet Article 3a of Reg. No. 2023/2006 and Article 3 of Reg. No. 1935/2004 |                                                                                                                                         |
| GTR Oxygen: 77.0 cc Oxygen/100 IN2 * 24hrs. @ 100° F, ASTM F-2622-08                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                    | MVTR: 0.371 gm water/100IN2 * 24 hrs. @ 75° F, ASTM F-1249                                       |                                                                                                                                         |
| Sealing to glass containers: Selig can not guarantee the performance or seal integrity of this materials when applied to any glass (treated or untreated) container. We suggest you contact your glass supplier for recommendations on glass treatments that may or may not improve performance or seal integrity. |                                                                                                                                                                                                                                                                                                                    |                                                                                                  |                                                                                                                                         |
| Print Location (if any): Heat Seal Layer and/or Backing                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                    |                                                                                                  |                                                                                                                                         |

Selig materials are compliant with current USFDA Food allergen Guidelines.

Selig materials are compliant with California Proposition 65 labeling requirements.

Selig materials are compliant with limitation of heavy metals in packaging per CONEG & EU 94/62/EC, article 11.

Recommended for use with dry food products. Is not suitable for use with fatty or alcoholic food types per ECC Reg. № 10/2011. Determining specific organoleptic compatibility per Article 3a of ECC Reg. № 2023/2006 is the responsibility of the food packager.

MSDS's are not required as Selig is not a chemical manufacturer or distributor and our products are 'articles' intended for food packaging per 29 CFR 1910.1200 (HazCom).

The information contained within this product data bulletin is to be used as a general guide in determining which structures are offered for sealing to specific container materials. All of the information which we provide is reliable to the best of our knowledge, but the accuracy thereof is not guaranteed. We suggest that consumers determine suitability for their own application.

[www.seligsealing.com](http://www.seligsealing.com)

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