

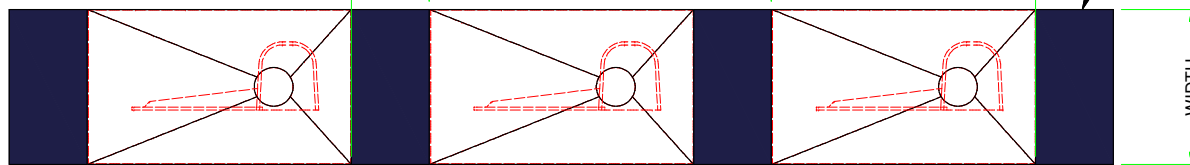
MINIMUM SEAL LENGTH AND COLOURED AREA = 1.25" (32mm)

REPEAT LENGTH

INTERNAL LENGTH

SEAL AREA TO BE TRANSLUCENT AND A CONTRASTING COLOUR TO THE PRODUCT WITHIN THE BAG. BEST PROVEN RESULTS WOULD BE BLUE OR RED.

TOP VIEW

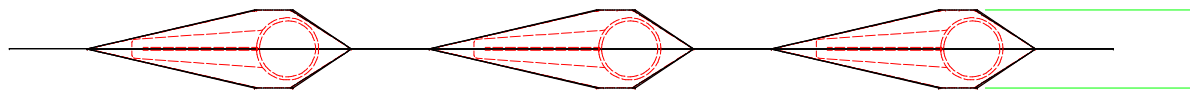


WIDTH

DIRECTION OF TRAVEL WITH THE THICKER EDGE LEADING

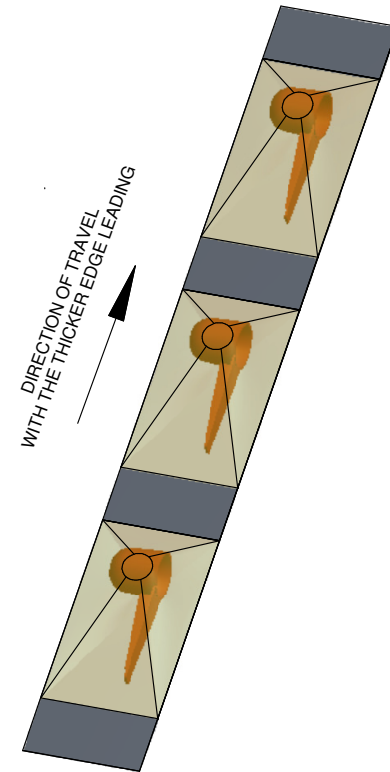


SIDE VIEW



THICKNESS

PRODUCT SIZE RANGE				
	REPEAT LENGTH	INTERNAL LENGTH	OVERALL WIDTH	THICKNESS
MINIMUM	3.25" (83mm)	2.0" (51mm)	1.0" (25mm)	FLAT STOCK
MAXIMUM	9.0" (227mm)	7.75" (197mm)	4.0" (102mm)	1.5" (38mm)



ALL 3D PRODUCT MUST CONFORM TO THE FOLLOWING CRITERIA:

- 1) SEAL AND COLOURED AREA MUST BOTH BE EQUAL IN LENGTH AND POSITION.
- 2) IF THE PRODUCT IS THIN AT ONE END AND THICK AT THE OTHER (AS SHOWN ABOVE) THEN THE DIRECTION OF TRAVEL THROUGH THE FEEDER SHOULD BE WITH THE THICK SIDE LEADING.
- 3) MINIMUM OF 2000 SAMPLES IN BANDOLIER FORMAT REQUIRED FOR INITIAL TESTING.
- 4) BANDOLIER IN BOXES/TOTES MUST BE NEATLY AND EVENLY FANNED TO AVOID TWISTING AND SKEWING AS THEY ARE PULLED UP FROM THE BOX/TOTE. IT IS RECOMMENDED TO KEEP THE HEIGHT OF THE BOXES/ TOTES AS SHORT AS POSSIBLE. THIS IS TO AVOID DISTORTING THE SEALS OF THE PRODUCT ON THE BOTTOM FROM THE WEIGHT OF THE PRODUCT ABOVE. IT IS RECOMMENDED TO MAKE THE BOXES/TOTES AS LONG AS POSSIBLE AND HAVE THE BANDOLIER FANNED OUT ALONG THE LENGTH IN THE BOX. THIS WILL REDUCE THE AMOUNT OF TURNS/TWISTS IN THE SEALS.
- 5) SEAL COLOUR MUST BE TRANSLUCENT AND OF A HIGH CONTRAST TO THE COLOUR OF THE PRODUCT WITHIN THE POUCH. LONGFORD HAS HAD BEST PROVEN RESULTS WITH BLUE AND RED SEAL COLOURS.
- 6) FOR BEST RESULTS WITH CUT TOLERANCE, SPEED AND OVERALL PERFORMANCE, LONGFORD INTERNATIONAL SUGGESTS USING AN **OPP (ORIENTED POLYPROPYLENE) FILM 20.3 - 35.6 MICRONS WHICH IS EQUAL TO 0.80 - 1.40 mil (80 - 140 GAUGE)** OR FILM WITH SIMILAR PHYSICAL CHARACTERISTICS.  
CONVERSION: MICRONS TO mil (MICRONS / 25.4 = mil)      mil TO GAUGE (mil x 100 = GAUGE)

PLEASE INDICATE YOUR APPROVAL OF THIS DRAWING BY SIGNING HERE

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DATE:

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PRODUCT SPECIFICATIONS FOR

DRAWN.

DATE

PROPOSAL NUMBER

REV

3D PRODUCT WITH COLOURED SEAL

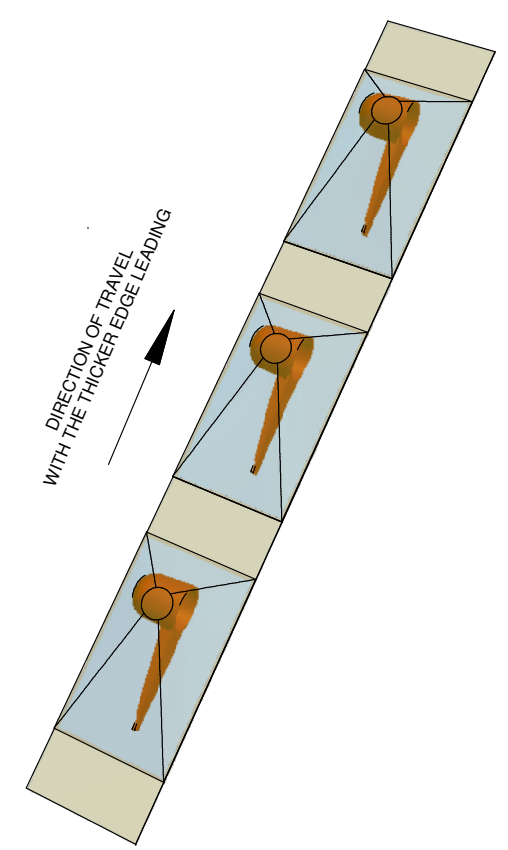
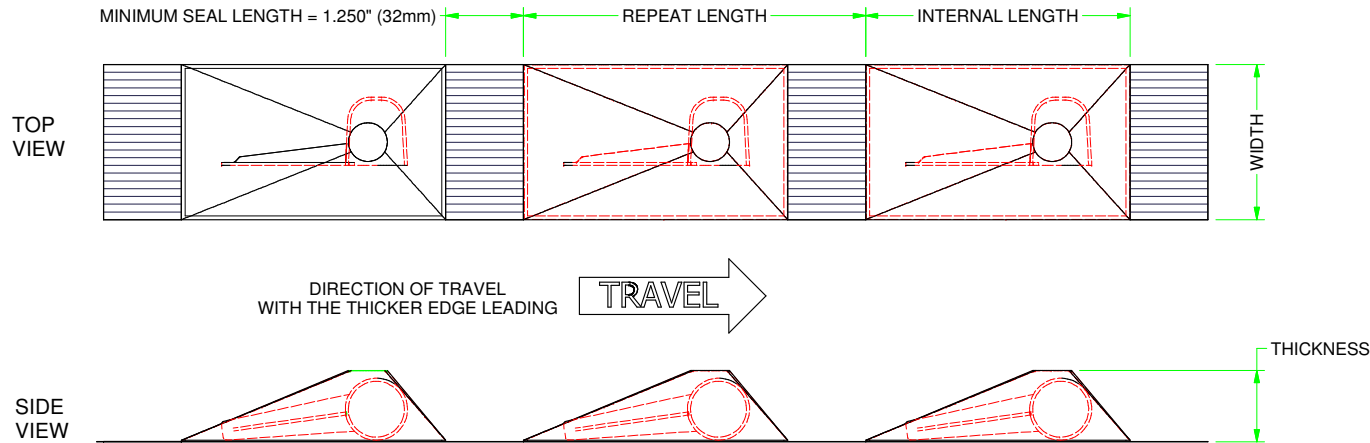
EZ

6/21/2010

3D PROD-01

A

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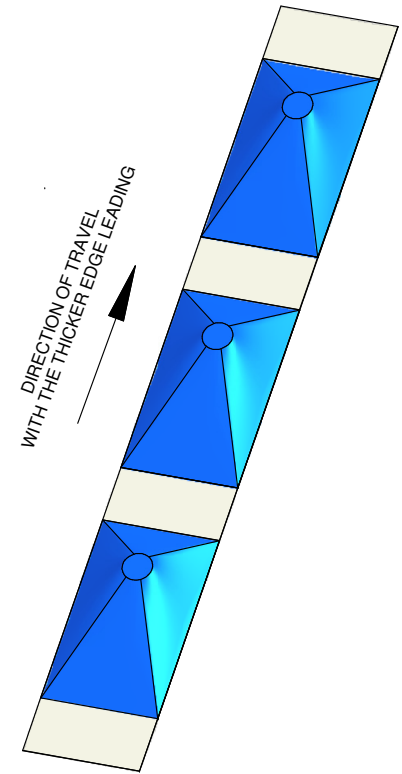
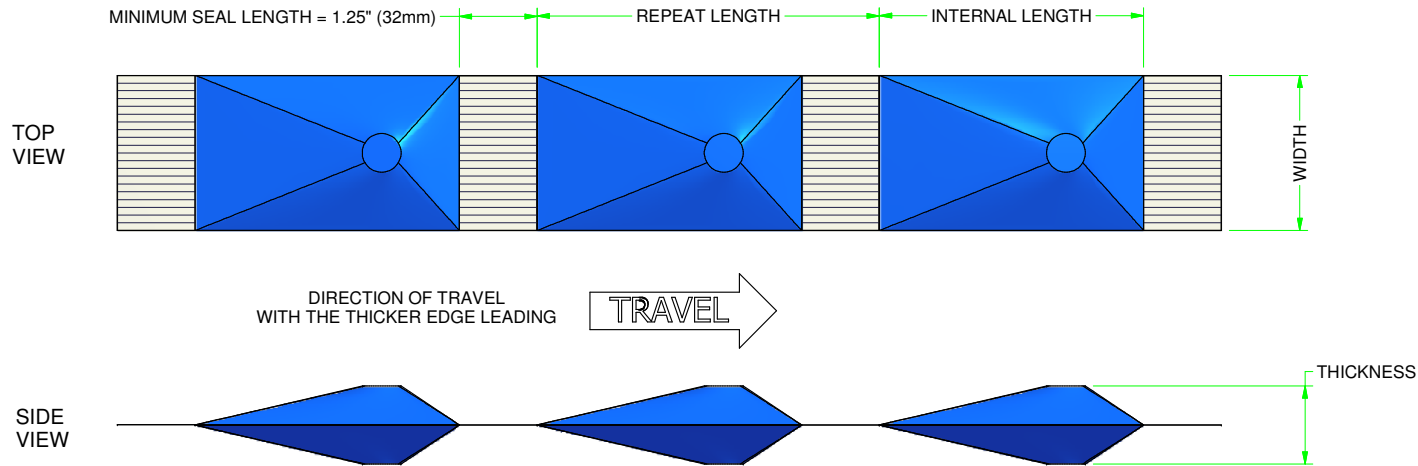
**ALL 3D PRODUCT MUST CONFORM TO THE FOLLOWING CRITERIA:**

- 1) OPAQUE BACKER CARD IN CLEAR OVER-WRAP FILM, MUST BE WRAPPED TIGHTLY WITH A MINIMUM OVERALL CLEARANCE OF NOT MORE THAN 0.25" (6mm). NOTE ! THE BACKER CARD IS USED TO TRIGGER THE CUT POSITION, SO IF THE BACKER CARD IS ALLOWED TO MOVE MORE THAN THE 0.25" CLEARANCE, THEN THE CUT POSITION ACCURACY CANNOT BE MAINTAINED.
- 2) IF THE PRODUCT IS THIN AT ONE END AND THICK AT THE OTHER (AS SHOWN ABOVE) THEN THE DIRECTION OF TRAVEL THROUGH THE FEEDER SHOULD BE WITH THE THICK SIDE LEADING.
- 3) MINIMUM OF 2000 SAMPLES IN BANDOLIER FORMAT REQUIRED FOR INITIAL TESTING.
- 4) BANDOLIER IN BOXES/TOTES MUST BE NEATLY AND EVENLY FANNED TO AVOID TWISTING AND SKEWING AS THEY ARE PULLED UP FROM THE BOX/TOTE. IT IS RECOMMENDED TO KEEP THE HEIGHT OF THE BOXES/ TOTES AS SHORT AS POSSIBLE. THIS IS TO AVOID DISTORTING THE SEALS OF THE PRODUCT ON THE BOTTOM FROM THE WEIGHT OF THE PRODUCT ABOVE. IT IS RECOMMENDED TO MAKE THE BOXES/TOTES AS LONG AS POSSIBLE AND HAVE THE BANDOLIER FANNED OUT ALONG THE LENGTH IN THE BOX. THIS WILL REDUCE THE AMOUNT OF TURNS/TWISTS IN THE SEALS.
- 5) FOR BEST RESULTS WITH CUT TOLERANCE, SPEED AND OVERALL PERFORMANCE, LONGFORD INTERNATIONAL SUGGESTS USING AN **OPP (ORIENTED POLYPROPYLENE) FILM 20.3 - 35.6 MICRONS WHICH IS EQUAL TO 0.80 - 1.40 MIL (80 - 140 GAUGE)** OR FILM WITH SIMILAR PHYSICAL CHARACTERISTICS.  
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	3D PRODUCT WITH BACKER CARD	EZ	6/21/2010	3D PROD-02	A

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**ALL 3D PRODUCT MUST CONFORM TO THE FOLLOWING CRITERIA:**

- 1) OPAQUE FILM WITH CLEAR SEAL AREAS.
- 2) IF THE PRODUCT IS THIN AT ONE END AND THICK AT THE OTHER (AS SHOWN ABOVE) THEN THE DIRECTION OF TRAVEL THROUGH THE FEEDER SHOULD BE WITH THE THICK SIDE LEADING.
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PRODUCT SPECIFICATIONS FOR	DRAWN.	DATE	PROPOSAL NUMBER	REV
3D PRODUCT WITH OPAQUE POUCH AREA AND CLEAR SEAL	EZ	6/21/2010	3D PROD-03	A

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