

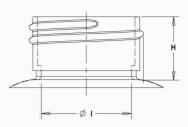
THREAD DEVELOPMENT SHOWN FROM OUTSIDE OF FINISH

L STYLE GENERAL PURPOSE THREAD (Plastic or Metal Closures)								
THDS/IN	(a)	b	С					
6	2,39 [.094]	1,19 [.047]	1,02 [.040]					
8	2,13 [.084]	1,07 [.042]	0,91 [.036]					

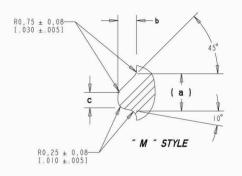
## SP-410 FINISH FOR PLASTIC BOTTLES

mm	(NOTE 4 & 5)	(NOTE 4 & 5)	(NOTE 3 & 4)	± 0,38 [±.015] (NOTE 1)	± 0,38	[±.015]	P	± 0,38 [±.015]	(NOTE 2 )	(NOTE 2 )	GAUGE PT	ANGLE B	CUTTER Ø	THD'S PER INCH
	MEAN	MEAN	MIN	MEAN	L STYLE	M STYLE	MEAN	MEAN	MIN	MAX		,5		) item
18	17,68 ± 0,20 [.696 ±.008]	15,54 ± 0,20 [.612 ±.008]	8,26 [.325]	13,28 [.523]	2,74 [.108]	2,97 [.117]	3,18 [.125]	0,94 [.037]	9,17 [.361]	2,13 [.084]	0,50 [.020]	3° 30′	9,53 [.375]	8
20	19,69 ± 0,20 [.775 ±.008]	17,55 ± 0,20 [.691 ±.008]	10,26 [.404]	[4,07 [.554]	2,74 [.108]	2,97 [.117]	3,18 [.125]	0,94 [.037]	9,17 [.361]	2,13 [.084]	0,50 [.020]	3°07′	9,53 [.375]	8
22	21,69 ± 0,20 [.854 ±.008]	19,56 ± 0,20 [.770 ±.008]	12,27 [.483]	14,86 [.585]	2,74 [.108]	2,97 [.117]	3,18 [.125]	0,94 [.037]	9,55 [.376]	2,13 [.084]	0,50 [.020]	2° 49′	9,53 [.375]	8
2.4	23,67 ± 0,20 [.932 ±.008]	21,54 ± 0,20 [.848 ±.008]	13,11 [.516]	16,41 [.646]	2,97 [.117]	3,20 [.126]	3,18 [.125]	1,17 [.046]	11,10 [.437]	2,13 [.084]	0,50 [.020]	2° 34′	9,53 [.375]	8
28	27,38 ± 0,25 [1.078 ±.010]	24,99 ± 0,25 [.984 ±.010]	15,60 [.614]	17,98 [.708]	3,23 [.127]	3,45 [.136]	4,24 [.167]	1,17 [.046]	11,76 [.463]	2,39 [.094]	0,60 [.024]	2° 57′	12,70 [.500]	6





## BEADLESS FINISH (UNDERCUT OPTIONAL)



M STYLE MODIFIED BUTTRESS THREAD (Plastic Closures)							
THDS/IN	(a)	b	С				
6	2,39 [.094]	1,19 [.047]	0,99 [.039]				
8	2,13 [.084]	1,07 [.042]	0,89 [.035]				

- 1. DIMENSION  ${f H}$  IS MEASURED FROM THE TOP OF FINISH [TOF] TO THE POINT WHERE DIAMETER  ${f T}$ , EXTENDED PARALLEL TO THE CENTERLINE, INTERSECTS THE SHOULDER.
- CONTOUR OF BEAD, UNDERCUT OR SHOULDER IS OPTIONAL. IF BEAD IS USED, BEAD DIA. AND L MIN MUST BE MAINTAINED
- 3. UNLESS OTHERWISE SPECIFIED, I MIN APPLIES TO THE FULL LENGTH OF THE OPENING.
- 4. CONCENTRICITY OF **I MIN** WITH RESPECT TO DIAMETERS **T** AND **E** IS NOT INCLUDED. **I MIN** IS SPECIFIED FOR FILLER TUBE ONLY.
- 5. T AND E DIMENSIONS ARE THE AVERAGE OF TWO MEASUREMENTS TAKEN 90° APART. THE LIMITS OF OVALITY WILL BE DETERMINED BY THE CONTAINER SUPPLIER AND CONTAINER CUSTOMER, AS NECESSARY.
- 6. CONSIDERATION MUST BE GIVEN TO THE TOP OF FINISH WIDTH FOR THE SEALING SYSTEM
- FINISH TO BE SPECIFIED AS FOLLOWS: THREAD STYLE, FINISH IDENTIFICATION AND DRAWING NUMBER. EXAMPLE: M28SP410
- 8. REFER TO DRAWING #1168216 FOR VOLUNTARY STANDARD PET FINISH DIMENSION NOMENCLATURE.

## CONDITIONS OF USE AND LEGAL DISCLAIMER

THESE STANDARDS ARE VOLUNTARY, PRIOR TO USE, YOU SHOULD FIRST DETERMINE WHETHER THE USE OF THESE STANDARDS IS APPROPRIATE IN YOUR PARTICULAR APPLICATION. YOU, THE USER, ASSUME ALL RESPONSIBILITY FOR THE USE AND INTERPRETATION OF THESE STANDARDS. NO REPRESENTATIONS ARE MADE AS TO THE CURRENCY OF THESE STANDARDS OR THE CONFORMITY OF ANY PRODUCT TO THEM. YOU, THE USER, AGREE TO INDEMNIFY AND SAVE HARMLESS THE ISBT AND HUSKY INJECTION MOLDING SYSTEMS LTD., THEIR RESPECTIVE OFFICERS, DIRECTORS, EMPLOYEES AND AGENTS FROM ANY AND ALL LOSSES, CLAIMS, OR DAMAGES RESULTING FROM THEIR USE INCULDING INJURY OR DEATH OF ANY PERSON OR DAMAGE TO ANY PROPERTY OF WHATSOEVER NATURE.

	DIMENSIONS SHOWN ARE FINISHED PLASTIC SIZES			SCRIPT	ION		THIS DRAWING IS MAINTAINED BY SPLASTICS SYSTEMS LTD.		
RAL	METRIC MILLIMETRES X,X ±0,3	[IMPERIAL] [INCHES] [.XX ±0.01]	SP-410 VOLUNTARY STANDARD		WEBSITE: WWW.3PLASTICS.COM CONTACT FOR SUPPORT; E-MAIL: Sales@3plastics.com				
GENE OLER/	X,XX ±0,13 X°	[.XXX ±0.005]					FINISH No	SP410	
2	χ°χ'	±0°15'	DWN	J.MAY	DATE	99/03/10	DRAWING No	1165380-1	