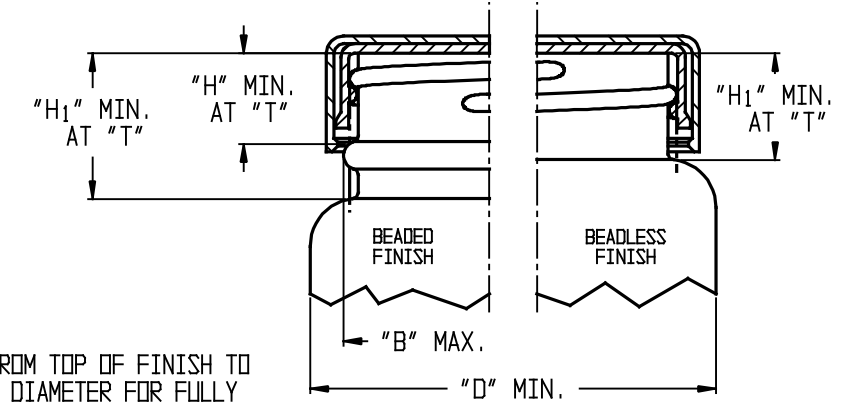


CLOSURES FOR GPI 400 FINISHES EXCEPT AS NOTED		"H ₁ " MIN.	"H" MIN.	"B" MAX. BEAD	"D" MIN. SHOULDER	CLOSURES FOR GPI 400 FINISHES EXCEPT AS NOTED		"H ₁ " MIN.	"H" MIN.	"B" MAX. BEAD	"D" MIN. SHOULDER	CLOSURES FOR GPI 400 FINISHES EXCEPT AS NOTED		"H ₁ " MIN.	"H" MIN.	"B" MAX. BEAD	"D" MIN. SHOULDER													
DESCRIPTION	Ø					DESCRIPTION	Ø					DESCRIPTION	Ø																	
OWENS-ILLINOIS	CLIC-LOC	20	0.389	0.349	0.895	PENN- WHEELING	SAF-LOK	24	0.450	0.378	0.940	REXAM	FG	20	0.442	0.378	0.907	1.086												
	414 FINISH	22	0.389	0.349	0.973		28	0.500	0.378	1.088	22		0.442	0.378	0.963	1.156														
		22	0.501	0.461	0.973		33	0.500	0.378	1.265	24		0.436	0.407	1.069	1.243														
		24	0.418	0.378	1.052		38	0.500	0.378	1.476	28		0.436	0.411	1.196	1.378														
		24	0.532	0.492	1.052		45	0.500	0.378	1.740	28		0.581	0.560	1.196	1.374														
	414 FINISH	28	0.418	0.378	1.200	VAN BLARCOM	SAF-CAP I	20	0.510	0.356	0.860		410 FINISH 480 FINISH	28	0.581	0.554	1.196	1.374												
		28	0.605	0.565	1.200			22	0.510	0.356	0.915			33	0.439	0.411	1.363	1.552												
		33	0.418	0.378	1.377			24	0.565	0.410	1.030			38	0.427	0.411	1.620	1.799												
		38	0.418	0.378	1.574			28	0.575	0.425	1.175			45	0.448	0.411	1.848	2.075												
	L/R FINISH	38	0.495	0.378	1.574			33	0.575	0.425	1.365			CR92	38	0.520	0.397	1.550	1.730											
		ARGUS-LOC	24	0.495	0.378		1.052	38	0.575	0.425	1.575	20			0.490	0.370	0.835	1.040												
		ULTRA-LOC	28	0.495	0.378		1.200	45	0.610	0.425	1.800	22			0.490	0.370	0.935	1.110												
			33	0.495	0.378		1.377	53	0.610	0.435	2.150	24			0.550	0.400	1.020	1.240												
			38	0.495	0.378		1.574	SAF-CAP II	28	0.540	0.425	1.130			28	0.550	0.405	1.160	1.395											
	45		0.495	0.378	1.843		38		0.540	0.425	1.510	33			0.550	0.405	1.330	1.565												
	53		0.495	0.378	2.161		SAF-CAP III		24	0.475	0.340	1.000	38		0.550	0.385	1.545	1.780												
	28	0.495	0.378	1.200	28				0.475	0.340	1.150	45	0.570		0.405	1.820	2.060													
	33	0.495	0.378	1.377	33				0.475	0.340	1.340	53	0.560		0.410	2.160	2.405													
	38	0.495	0.378	1.574	38			0.475	0.340	1.540	MOLD-RITE																			
	45	0.495	0.378	1.843	45			0.475	0.340	1.780																				
CHEM-LOC	28	0.495	0.378	1.200	SAF-CAP III-A	20	0.500	0.360	0.830	BEADED FINISH			BEADLESS FINISH																	
	33	0.495	0.378	1.377		24	0.570	0.425	1.010					"H ₁ " MIN. AT "T"	"H" MIN. AT "T"															
	38	0.495	0.378	1.574		28	0.570	0.425	1.165							"H ₁ " MIN. AT "T"	"H" MIN. AT "T"													
	KERR	CR-I	20	0.531		0.883	33	0.570	0.425									1.340	"B" MAX.	"D" MIN.										
		415 FINISH	20	0.682		0.876	38	0.570	0.425									1.540			"H ₁ " MIN. AT "T"	"H" MIN. AT "T"								
SD-350 FINISH			22	0.547	0.968	45	0.570	0.425	1.795									"B" MAX.					"D" MIN.							
SD-350 FINISH		22	0.531	0.965	53	0.610	0.435	2.150	"H ₁ " MIN. AT "T"															"H" MIN. AT "T"						
		24	0.577	1.046	NOTE: 1. THE INTENTION OF THE GPI 920 DRAWING IS TO FACILITATE 2-PIECE CHILD RESISTANT CLOSURE FUNCTIONALITY ON GPI STANDARD FINISHES. 2. DIMENSIONS CALCULATED ASSUMING 0.000" LINER THICKNESS. 3. IF "H" IS GREATER THAN OR EQUAL TO "H ₁ " MIN. THEN "B" MAX. DOES NOT APPLY. 4. GPI 920 SPECIFICATIONS ARE DESIGNED FOR FULLY DEPRESSED OUTER CLOSURE. ALL OTHER DIMENSIONS MUST COMPLY WITH STANDARD GPI FINISH SPECIFICATIONS.	THIS OFFICIAL GLASS PACKAGING INSTITUTE PRINT CONSTITUTES ONE IN A SERIES OF VOLUNTARY STANDARDS INTENDED TO PROVIDE A BASIS FOR ACHIEVING COMPATIBILITY AND INTERCHANGEABILITY BETWEEN MANUFACTURERS AND USERS OF GLASS CONTAINERS AND CLOSURES THEREFOR. THE USER SHOULD BE AWARE THAT OTHER CONTAINER AND CLOSURE DESIGNS MAY DIFFER FROM THIS VOLUNTARY STANDARD, AND IT IS THE USER'S RESPONSIBILITY TO MAKE THE FINAL DETERMINATION AS TO DESIGN AND COMPATIBILITY. GPI ASSUMES NO RESPONSIBILITY FOR EITHER THE USE OF OR INTERPRETATION OF THE STANDARD, FOR IT BEING CURRENT, OR FOR THE DETERMINATION WHETHER ANY PARTICULAR MANUFACTURER'S PRODUCT CONFORMS TO THE STANDARD. THIS DRAWING CONTAINS INFORMATION TAKEN FROM ONE OR MORE PRINTS OF THE GLASS PACKAGING INSTITUTE (GPI). GPI OWNS ALL RIGHT, TITLE AND INTEREST IN THE COPYRIGHTS TO THIS DRAWING AND TO THESE PRINTS. GPI REQUIRES THAT YOU NOT REPRODUCE THIS DRAWING FOR OR DISTRIBUTE THIS DRAWING TO ANY THIRD PARTY WITHOUT GPI'S WRITTEN CONSENT. ANY INQUIRIES OR SUGGESTIONS CONCERNING THIS STANDARD CAN BE ADDRESSED TO THE GLASS PACKAGING INSTITUTE, WASHINGTON D.C. AT WWW.GPI.ORG.	COPYRIGHT © GPI 1989, 1998, 1999, 2004, 2005																							
415 FINISH		24	0.933	1.101				20			0.460	0.864													1.026	Edward A. Grant CHAIRMAN	PRINTED AND DISTRIBUTED AS A VOLUNTARY STANDARD BY GLASS PACKAGING INSTITUTE COMMITTEE ON DESIGN AND SPECIFICATIONS	APPROVED FOR PUBLICATION 3-30-05	SUPERSEDES DWG. NO. 920-06	
28		0.531	1.194	24				0.460			1.024	1.194													Karl Reisig SECRETARY					GLASS FINISH NUMBER 920
415 FINISH		28	1.053	1.232				28		0.535	1.181	1.340	GLASS FINISH FOR CHILD RESISTANT CLOSURES																	
480 FINISH		28	0.661	1.205				33		0.535	1.359	1.523																		
33		0.531	1.378	38				0.535		1.576	1.747																			
38	0.531	1.586	45	0.535				1.832		1.999																				
45	0.531	1.841	53	0.535				2.161		2.360																				
CR-II	28	0.560	1.177																											
CR-III	20	0.460	0.864	1.026																										
	24	0.460	1.024	1.194																										
	28	0.535	1.181	1.340																										
	33	0.535	1.359	1.523																										
	38	0.535	1.576	1.747																										



"H" MIN. = MINIMUM DIMENSION FROM TOP OF FINISH TO BEAD AT INTERSECTION OF "T" DIAMETER IN ACCORDANCE WITH STANDARD GPI FINISH SPECIFICATIONS, OR AS OTHERWISE NOTED.

"H₁" MIN. = MINIMUM DIMENSION FROM TOP OF FINISH TO SHOULDER AT INTERSECTION OF "T" DIAMETER FOR FULLY DEPRESSED OUTER CLOSURE CLEARANCE.

"B" MAX. = MAXIMUM BEAD DIAMETER FOR FULLY DEPRESSED OUTER CLOSURE CLEARANCE.

"D" MIN. = MINIMUM DIMENSION TO PREVENT CR CLOSURE OVERHANG.

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Karl Reisig SECRETARY	GLASS FINISH NUMBER 920	GPI DWG. NO. 920-07	

GLASS FINISH FOR CHILD RESISTANT CLOSURES