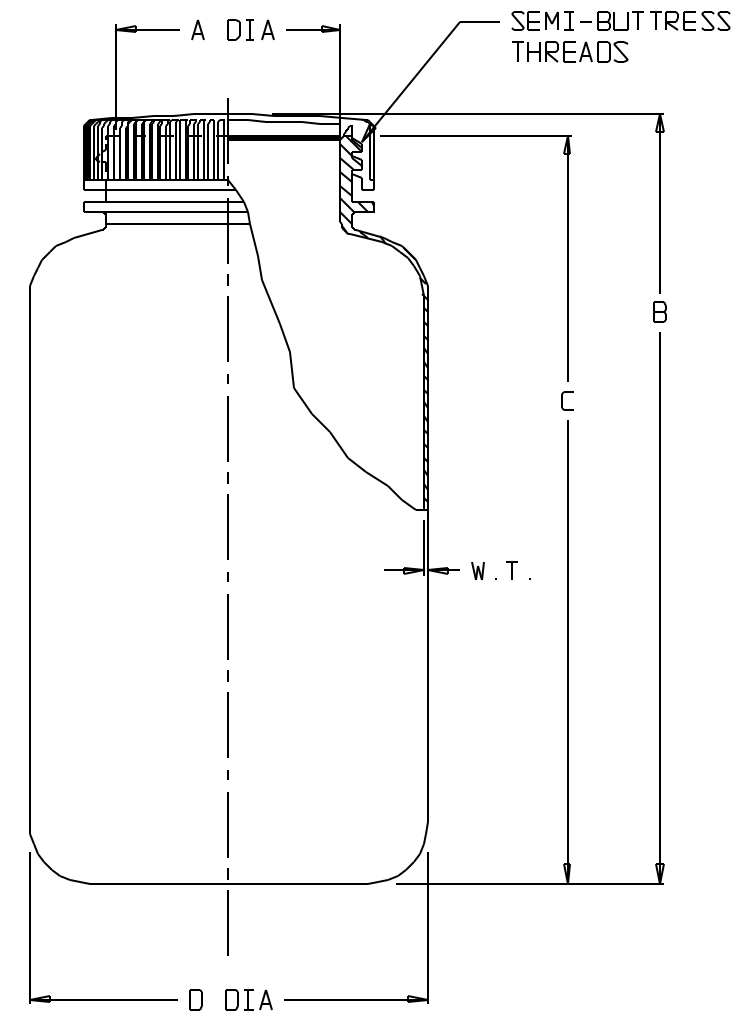


CATALOG NO.	NOMINAL CAPACITY (oz)				MATERIALS	
					BOTTLE	CLOSURE
312199	4	8	16	32	HOPE	PP

SIZE CODE.....:	-0004	-0008	-0016	-0032				
SIZE (NOM VOL mL/oz)	125/4	250/8	500/16	1000/32				
NOM. BRIM CAP. (mL):	150	290	550	1100				
NECK FINISH (mm)....:	38-415	43-415	53-415	63-415				
THREAD (T.P.I.).....:	6	6	6	6				
NOM. WEIGHT W/CLOSURE (gms).....:	25	36	67	101				
	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
A (NECK I.D.).....:	1.11 ± 0.025	28.2 ± 0.64	1.30 ± 0.025	33.0 ± 0.64	1.72 ± 0.025	43.7 ± 0.64	2.07 ± 0.03	52.6 ± 0.8
B (HT. W/CLOSURE)....:	3.91 ± 0.08	99.3 ± 2.0	5.16 ± 0.08	131.1 ± 2.0	6.62 ± 0.09	168.1 ± 2.3	7.84 ± 0.10	199.1 ± 2.5
C (HT. W/O CLOSURE):	3.76 ± 0.08	95.5 ± 2.0	5.01 ± 0.08	127.3 ± 2.0	6.45 ± 0.09	163.8 ± 2.3	7.67 ± 0.10	194.8 ± 2.5
D (DIA).....:	1.98 ± 0.06	50.3 ± 1.5	2.40 ± 0.07	61.0 ± 1.8	2.86 ± 0.08	72.6 ± 2.0	3.60 ± 0.08	91.4 ± 2.0
W.T. (NOM. WALL THK):	0.050	1.27	0.050	1.27	0.060	1.52	0.060	1.52

NOTES:

1. ALL DIMENSIONS ARE NOMINAL AND IN INCHES AND MILLIMETERS UNLESS OTHERWISE NOTED.
2. THIS IS NOT A PRODUCTION DRAWING, BUT IS FOR INFORMATIONAL PURPOSES ONLY, AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



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SPECS ON BACK

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**ThermoFisher**  
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MADE NS	APP'D RAJ	PSS 31-2199-XXXX-2	REV. 0595
CK'D DM 5/17/95	5/17/95	DESCRIPTION: WIDE-MOUTH IP-2 BOTTLES	