

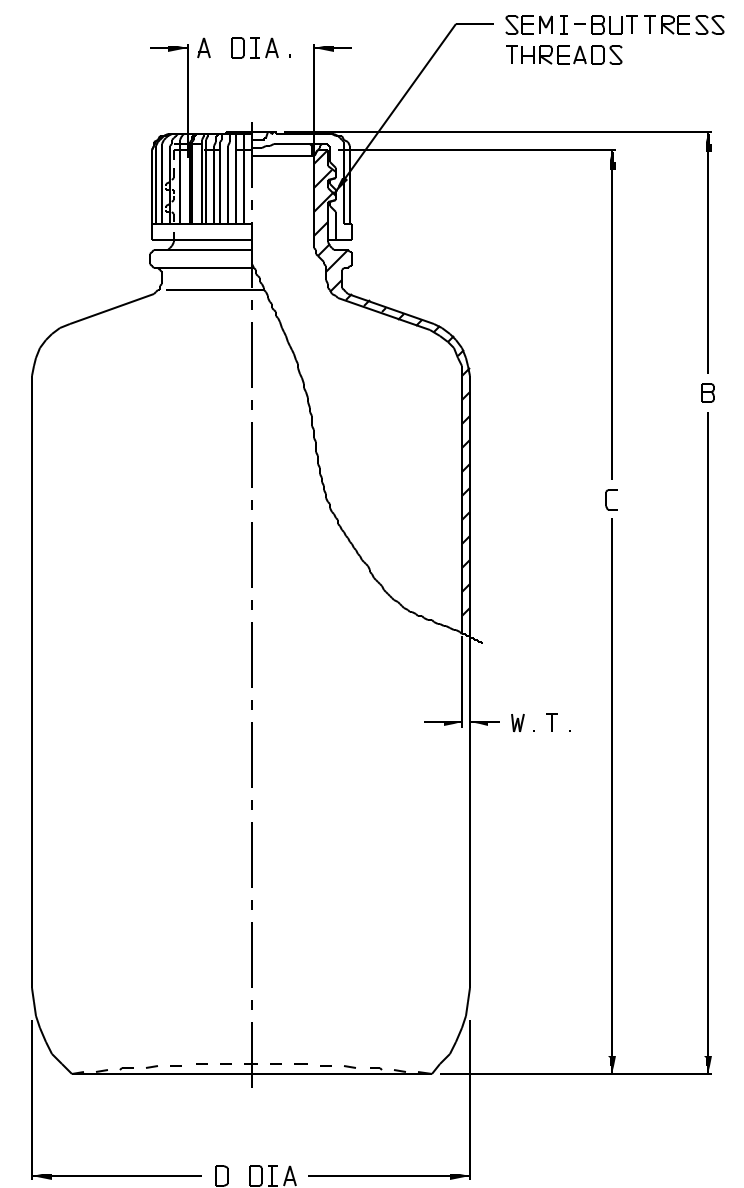
CATALOG NO.	NOMINAL CAPACITY, (oz)						MATERIALS	
							BOTTLE	CLOSURE
312099	1	2	4	8	16	32	HOPE	PP

SIZE CODE.....:	-0001		-0002		-0004	
SIZE (NOM VOL mL/oz):	30/1		60/2		125/4	
NOM. BRIM CAP. (mL):	35		63		140	
NECK FINISH (mm)....:	20-415		20-415		24-415	
THREAD (T.P.I.).....:	8		8		8	
NOM. WEIGHT W/CLOSURE (gms).....:	8		12		20	
	INCHES	MM	INCHES	MM	INCHES	MM
A (BTLE. NECK I.D.):	0.54 ±.02	13.7 ±0.5	0.54 ±.02	13.7 ±0.5	0.69 ±.02	17.5±0.5
B (HT. W/CLOSURE)....:	2.40 ±.07	61.0 ±1.8	3.36 ±.08	85.3 ±2.0	3.97 ±.08	100.8 ±2.0
C (HT. W/O CLOSURE):	2.30 ±.07	58.4 ±1.8	3.25 ±.08	82.6 ±2.0	3.88 ±.08	98.6 ±2.0
D (DIA).....:	1.35 ±.05	34.3 ±1.3	1.52 ±.06	38.6 ±1.5	1.98 ±.06	50.3 ±1.5
W.T.(NOM. WALL THK):	0.030	0.76	0.035	0.89	0.040	1.02

SIZE CODE.....:	-0008		-0016		-0032	
SIZE (NOM VOL mL/oz):	250/8		500/16		1000/32	
NOM. BRIM CAP. (mL):	285		525		1045	
NECK FINISH (mm)....:	24-415		28-415		38-430	
THREAD (T.P.I.).....:	8		6		6	
NOM. WEIGHT W/CLOSURE (gms).....:	32		58		100	
	INCHES	MM	INCHES	MM	INCHES	MM
A (BTLE. NECK I.D.):	0.69 ±.02	17.5 ±0.5	0.84 ±.02	21.3 ±0.5	1.08 ±.03	27.4 ±0.8
B (HT. W/CLOSURE)....:	5.22 ±.08	132.6 ±2.0	6.71 ±.09	170.4 ±2.3	8.50 ±.10	215.9 ±2.5
C (HT. W/O CLOSURE):	5.13 ±.08	130.3 ±2.0	6.59 ±.09	167.4 ±2.3	8.35 ±.10	212.1 ±2.5
D (DIA).....:	2.40 ±.07	61.0 ±1.8	2.86 ±.08	72.6 ±2.0	3.60 ±.08	91.4 ±2.0
W.T.(NOM. WALL THK):	0.050	1.27	0.050	1.27	0.050	1.27

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.



SPECS ON BACK

NOT TO SCALE

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ThermoFisher
SCIENTIFIC

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MADE	MG	APP'D	GRP	PSS 31-2099-XXXX-2	REV.
CK'D	DM		6/5/06		0506

DESCRIPTION:
NARROW-MOUTH, IP-2 BOTTLES