

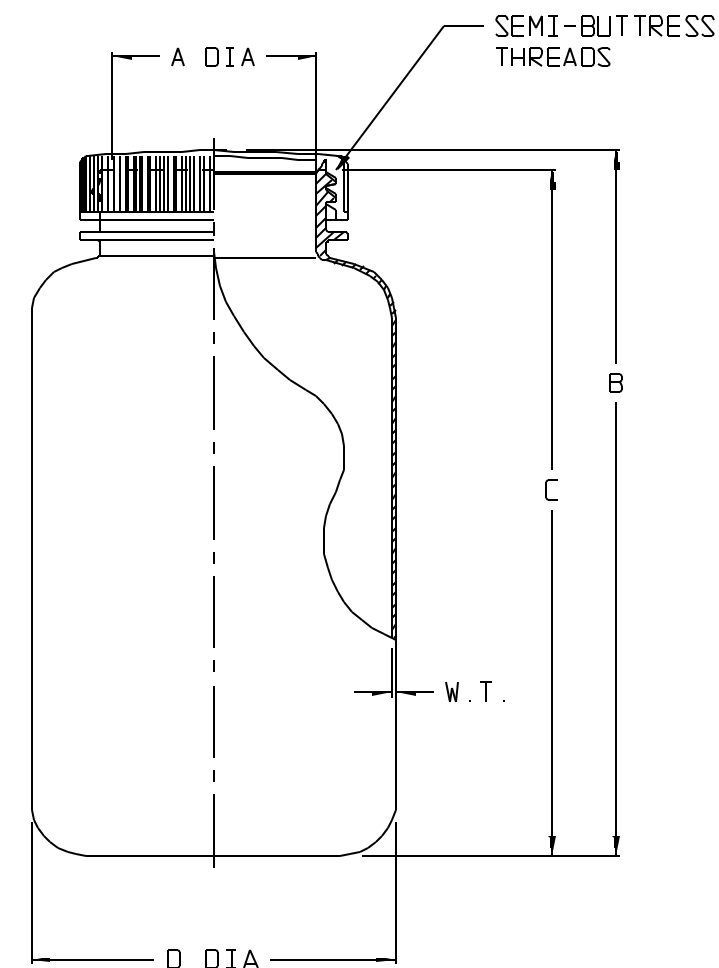
| CATALOG NO. | NOMINAL CAPACITY, (oz) | | | | | | MATERIALS | |
|-------------|------------------------|---|---|---|----|----|-----------|---------|
| | | | | | | | BOTTLE | CLOSURE |
| 312187 | 1 | 2 | 4 | 8 | 16 | 32 | PPCO | PP |
| 312189 | 1 | 2 | 4 | 8 | 16 | 32 | HDPE | PP |

| SIZE CODE..... | -0001 | -0002 | | -0004 | | |
|----------------------------------|-----------|-----------|-----------|-----------|-------------|-------------|
| SIZE (NOM VOL mL/oz) | 30/ 1 | 60/ 2 | | 125/ 4 | | |
| NOM. BRIM CAP. (mL): | 38 | 70 | | 150 | | |
| NECK FINISH (mm).... | 28-415 | 28-415 | | 38-415 | | |
| THREAD (T.P.I.)..... | 6 | 6 | | 6 | | |
| NOM. WEIGHT W/CLOSURE (gms)..... | 11 | 15 | | 20 | | |
| | INCH | MM | INCH | MM | INCH | MM |
| A (NECK I.D.)..... | 0.83 ±.02 | 21.1 ±0.5 | 0.83 ±.02 | 21.1 ±0.5 | 1.110 ±.025 | 28.19 ±0.64 |
| B (HT. W/CLOSURE)... | 2.49 ±.07 | 63.2 ±1.8 | 3.39 ±.08 | 86.1 ±2.0 | 3.92 ±.08 | 99.6 ±2.0 |
| C (HT. W/O CLOSURE): | 2.35 ±.07 | 59.7 ±1.8 | 3.26 ±.08 | 82.8 ±2.0 | 3.78 ±.08 | 96.0 ±2.0 |
| D (DIA)..... | 1.35 ±.05 | 34.3 ±1.3 | 1.53 ±.06 | 38.9 ±1.5 | 1.99 ±.06 | 50.5 ±1.5 |
| W.T.(NOM WALL THK): | 0.035 | 0.90 | 0.040 | 1.00 | 0.030 | 0.76 |

| SIZE CODE..... | -0008 | -0016 | | -0032 | | |
|----------------------------------|-------------|-------------|-------------|-------------|-----------|------------|
| SIZE (NOM VOL mL/oz) | 250/ 8 | 500/ 16 | | 1000/ 32 | | |
| NOM. BRIM CAP. (mL): | 300 | 575 | | 1090 | | |
| NECK FINISH (mm).... | 43-415 | 53-415 | | 63-415 | | |
| THREAD (T.P.I.)..... | 6 | 6 | | 6 | | |
| NOM. WEIGHT W/CLOSURE (gms)..... | 30 | 55 | | 86 | | |
| | INCH | MM | INCH | MM | INCH | MM |
| A (NECK I.D.)..... | 1.300 ±.025 | 33.02 ±0.64 | 1.720 ±.025 | 43.69 ±0.64 | 2.06 ±.03 | 52.3 ±0.8 |
| B (HT. W/CLOSURE)... | 5.16 ±.08 | 131.1 ±2.0 | 6.62 ±.09 | 168.1 ±2.3 | 7.84 ±.10 | 199.1 ±2.5 |
| C (HT. W/O CLOSURE): | 5.01 ±.08 | 127.3 ±2.0 | 6.45 ±.09 | 163.8 ±2.3 | 7.67 ±.10 | 194.8 ±2.5 |
| D (DIA)..... | 2.40 ±.07 | 61.0 ±1.8 | 2.87 ±.08 | 72.9 ±2.0 | 3.60 ±.08 | 91.4 ±2.0 |
| W.T.(NOM WALL THK): | 0.030 | 0.76 | 0.035 | 0.90 | 0.035 | 0.90 |

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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SCIENTIFIC

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|------------|----------|--------------------|-----------|
| MADE MG/JD | APP'D BR | PSS 31-218X-XXXX-2 | REV. 0508 |
| CK'D JD | 5/16/08 | | |

DESCRIPTION: WIDE MOUTH, ROUND PACKAGING BOTTLES