

# AMPOL<sup>TM</sup>

SERVING THE GLOBAL NMR COMMUNITY  
WITH PRECISION NMR SAMPLE TUBES





## Exceptional Value Through Superior Manufacturing

Ampol delivers premium NMR tubes to the global market through their operations in Lomza, Poland. This unique combination provides European laboratories with the precision and quality of USA manufacturing, paired with local distribution, support, and faster delivery times for seamless procurement.

Our popular AP435.400.7 tubes, designed for 300/400MHz NMR systems, maintains up to a 7 micron tolerance for both concentricity and camber. The AP435.600.7 model, engineered for 500/700MHz applications, maintains up to a 5 micron tolerance. These precision specifications deliver consistent performance and reliable results across your analytical applications.

## What We Do

Ampol's precision manufacturing maintains exceptional concentricity and tight tolerances, delivering consistent performance. This superior dimensional accuracy often eliminates the need for re-shimming when changing tubes in your NMR probe, saving valuable instrument time and ensuring reliable, reproducible results for your analytical work.

## Ordering

To establish permanent order record, please expedite your orders by e-mail or by post.

Distributed By:



### OUR OFFICE

25 Crissane Road,  
Heidelberg West, Vic., 3081  
Australia

### CONTACT FOR ORDERING

**Email** [contact@ampolnmr.com](mailto:contact@ampolnmr.com)  
**Tel.** 1800 668 224 or +61 3 8415 1255



## 5 mm Standard Resolution

| AP435.200.7  | MHz  | Tube Length |      | O.D.       | I.D.       | Concentricity | Camber± | Tubes    |
|--------------|------|-------------|------|------------|------------|---------------|---------|----------|
|              |      | mm          | Inch | (mm)       | (mm)       | (mm)          | (mm)    | Per Pack |
| AP435.1000.7 | 1000 | 178         | 7    | 4.97±0.004 | 4.20±0.006 | 0.003         | 0.004   | 5        |
| AP435.1000.8 | 100  | 203         | 8    | 4.97±0.004 | 4.20±0.006 | 0.003         | 0.004   | 5        |
| AP435.900.7  | 900  | 178         | 7    | 4.97±0.005 | 4.20±0.012 | 0.004         | 0.005   | 5        |
| AP435.900.8  | 900  | 203         | 8    | 4.97±0.005 | 4.20±0.012 | 0.004         | 0.005   | 5        |
| AP435.800.7  | 800  | 178         | 7    | 4.97±0.006 | 4.20±0.012 | 0.004         | 0.006   | 5        |
| AP435.800.8  | 800  | 203         | 8    | 4.97±0.006 | 4.20±0.012 | 0.004         | 0.006   | 5        |
| AP435.600.7  | 600  | 178         | 7    | 4.97±0.013 | 4.20±0.025 | 0.005         | 0.013   | 5        |
| AP435.600.8  | 600  | 203         | 8    | 4.97±0.013 | 4.20±0.025 | 0.005         | 0.013   | 5        |
| AP435.400.7  | 400  | 178         | 7    | 4.97±0.013 | 4.20±0.025 | 0.007         | 0.019   | 5        |
| AP435.400.8  | 400  | 203         | 8    | 4.97±0.013 | 4.20±0.025 | 0.007         | 0.019   | 5        |
| AP435.200.7  | 200  | 178         | 7    | 4.97±0.025 | 4.20±0.025 | 0.007         | 0.025   | 25       |
| AP435.200.8  | 200  | 203         | 8    | 4.97±0.025 | 4.20±0.025 | 0.007         | 0.025   | 25       |
| AP435.100.7  | 100  | 178         | 7    | 4.97±0.050 | 4.20±0.050 | 0.02          | 0.07    | 50       |
| AP435.100.8  | 100  | 203         | 8    | 4.97±0.050 | 4.20±0.050 | 0.02          | 0.07    | 50       |
| AP435.60.7   | 60   | 178         | 7    | 4.97±0.070 | 4.20±0.070 | 0.025         | 0.075   | 100      |
| AP435.60.8   | 60   | 203         | 8    | 4.97±0.070 | 4.20±0.070 | 0.025         | 0.075   | 100      |

*All 5 mm NMR tubes are supplied with caps.*



## 10 mm Standard Resolution

| Item No.     | MHz | Tube Length |      | O.D.       | I.D.       | Concentricity | Camber± | Tubes    |
|--------------|-----|-------------|------|------------|------------|---------------|---------|----------|
|              |     | mm          | Inch | (mm)       | (mm)       | (mm)          | (mm)    | Per Pack |
| AP4310.400.7 | 400 | 178         | 7    | 9.98±0.013 | 8.76±0.025 | 0.005         | 0.07    | 5        |
| AP4310.400.8 | 400 | 203         | 8    | 9.98±0.013 | 8.76±0.025 | 0.005         | 0.07    | 5        |
| AP4310.300.7 | 300 | 178         | 7    | 9.98±0.013 | 8.76±0.025 | 0.002         | 0.013   | 5        |
| AP4310.300.8 | 300 | 203         | 8    | 9.98±0.013 | 8.76±0.025 | 0.002         | 0.013   | 5        |
| AP4310.200.7 | 200 | 178         | 7    | 9.98±0.025 | 8.76±0.025 | nominal       | nominal | 100      |
| AP4310.200.8 | 200 | 203         | 8    | 9.98±0.025 | 8.76±0.025 | nominal       | nominal | 100      |

*All 10 mm NMR tubes are supplied with caps.*



## Xtra Resolution 5 mm

| Item No.     | MHz  | Tube Length |      | O.D.<br>(mm) | I.D.<br>(mm) | Concentricity<br>(mm) | Camber±<br>(mm) | Tubes<br>Per Pack |
|--------------|------|-------------|------|--------------|--------------|-----------------------|-----------------|-------------------|
|              |      | mm          | Inch |              |              |                       |                 |                   |
| AP385.1000.7 | 1000 | 178         | 7    | 4.97±0.004   | 4.20±0.006   | 0.003                 | 0.004           | 5                 |
| AP385.1000.8 | 1000 | 203         | 8    | 4.97±0.004   | 4.20±0.006   | 0.003                 | 0.004           | 5                 |
| AP385.900.7  | 900  | 178         | 7    | 4.97±0.005   | 4.20±0.012   | 0.004                 | 0.005           | 5                 |
| AP385.900.8  | 900  | 203         | 8    | 4.97±0.005   | 4.20±0.012   | 0.004                 | 0.005           | 5                 |
| AP385.800.7  | 800  | 178         | 7    | 4.97±0.006   | 4.20±0.012   | 0.004                 | 0.006           | 5                 |
| AP385.800.8  | 800  | 203         | 8    | 4.97±0.006   | 4.20±0.012   | 0.004                 | 0.006           | 5                 |
| AP385.600.7  | 600  | 178         | 7    | 4.97±0.013   | 4.20±0.025   | 0.005                 | 0.013           | 5                 |
| AP385.600.8  | 600  | 203         | 8    | 4.97±0.013   | 4.20±0.025   | 0.005                 | 0.013           | 5                 |
| AP385.500.7  | 500  | 178         | 7    | 4.97±0.013   | 4.20±0.025   | 0.007                 | 0.019           | 5                 |
| AP385.500.8  | 500  | 203         | 8    | 4.97±0.013   | 4.20±0.025   | 0.007                 | 0.019           | 5                 |
| AP385.400.7  | 400  | 178         | 7    | 4.97±0.025   | 4.20±0.025   | 0.007                 | 0.025           | 5                 |
| AP385.400.8  | 400  | 203         | 8    | 4.97±0.025   | 4.20±0.025   | 0.007                 | 0.025           | 5                 |
| AP385.300.7  | 300  | 178         | 7    | 4.97±0.050   | 4.20±0.050   | 0.02                  | 0.07            | 5                 |
| AP385.300.8  | 300  | 203         | 8    | 4.97±0.050   | 4.20±0.050   | 0.02                  | 0.07            | 5                 |
| AP385.200.7  | 200  | 178         | 7    | 4.97±0.070   | 4.20±0.050   | 0.025                 | 0.075           | 5                 |
| AP385.200.8  | 200  | 203         | 8    | 4.97±0.070   | 4.20±0.050   | 0.025                 | 0.075           | 5                 |

*All 5 mm NMR tubes are supplied with caps.*



## Xtra Resolution 3 mm

| Item No.     | MHz  | Tube Length |      | O.D.<br>(mm) | I.D.<br>(mm) | Concentricity<br>(mm) | Camber±<br>(mm) | Tubes<br>Per Pack |
|--------------|------|-------------|------|--------------|--------------|-----------------------|-----------------|-------------------|
|              |      | mm          | Inch |              |              |                       |                 |                   |
| AP383.1000.7 | 1000 | 178         | 7    | 2.99±0.003   | 2.41±0.006   | 0.0018                | 0.0027          | 5                 |
| AP383.1000.8 | 1000 | 203         | 8    | 2.99±0.003   | 2.41±0.006   | 0.0018                | 0.0027          | 5                 |
| AP383.900.7  | 900  | 178         | 7    | 2.99±0.004   | 2.41±0.006   | 0.0020                | 0.003           | 5                 |
| AP383.900.8  | 900  | 203         | 8    | 2.99±0.004   | 2.41±0.006   | 0.0020                | 0.003           | 5                 |
| AP383.800.7  | 800  | 178         | 7    | 2.99±0.005   | 2.41±0.010   | 0.0025                | 0.0038          | 5                 |
| AP383.800.8  | 800  | 203         | 8    | 2.99±0.005   | 2.41±0.010   | 0.0025                | 0.0038          | 5                 |
| AP383.600.7  | 600  | 178         | 7    | 2.99±0.006   | 2.41±0.012   | 0.0040                | 0.006           | 5                 |
| AP383.600.8  | 600  | 203         | 8    | 2.99±0.006   | 2.41±0.012   | 0.0040                | 0.006           | 5                 |
| AP383.500.7  | 500  | 178         | 7    | 2.99±0.010   | 2.41±0.015   | 0.0050                | 0.013           | 5                 |
| AP383.500.8  | 500  | 203         | 8    | 2.99±0.010   | 2.41±0.015   | 0.0050                | 0.013           | 5                 |
| AP383.400.7  | 400  | 178         | 7    | 2.99±0.013   | 2.41±0.020   | 0.0070                | 0.019           | 5                 |
| AP383.400.8  | 400  | 203         | 8    | 2.99±0.013   | 2.41±0.020   | 0.0070                | 0.019           | 5                 |
| AP383.300.7  | 300  | 178         | 7    | 2.99±0.025   | 2.41±0.025   | 0.0070                | 0.025           | 5                 |
| AP383.300.8  | 300  | 203         | 8    | 2.99±0.025   | 2.41±0.025   | 0.0070                | 0.025           | 5                 |
| AP383.200.7  | 200  | 178         | 7    | 2.99±0.030   | 2.41±0.030   | 0.0100                | 0.038           | 5                 |
| AP383.200.8  | 200  | 203         | 8    | 2.99±0.030   | 2.41±0.030   | 0.0100                | 0.038           | 5                 |
| AP383.100.7  | 100  | 178         | 7    | 2.99±0.030   | 2.41±0.030   | 0.0110                | 0.04            | 25                |
| AP383.100.8  | 100  | 203         | 8    | 2.99±0.030   | 2.41±0.030   | 0.0110                | 0.04            | 25                |

*All 3 mm NMR tubes are supplied with caps.*



## Xtra Resolution 10 mm

| Item No.     | MHz | Tube Length |      | O.D.<br>(mm) | I.D.<br>(mm) | Concentricity<br>(mm) | Camber±<br>(mm) | Tubes<br>Per Pack |
|--------------|-----|-------------|------|--------------|--------------|-----------------------|-----------------|-------------------|
|              |     | mm          | Inch |              |              |                       |                 |                   |
| AP3810.600.7 | 600 | 178         | 7    | 10.00±0.013  | 8.76±0.025   | 0.0050                | 0.07            | 5                 |
| AP3810.600.8 | 600 | 203         | 8    | 10.00±0.013  | 8.76±0.025   | 0.0050                | 0.07            | 5                 |
| AP3810.500.7 | 500 | 178         | 7    | 10.00±0.013  | 8.76±0.025   | 0.0200                | 0.013           | 5                 |
| AP3810.500.8 | 500 | 203         | 8    | 10.00±0.013  | 8.76±0.025   | 0.0200                | 0.013           | 5                 |
| AP3810.400.7 | 400 | 178         | 7    | 10.00±0.013  | 8.76±0.025   | 0.0200                | 0.013           | 5                 |
| AP3810.400.8 | 400 | 203         | 8    | 10.00±0.013  | 8.76±0.025   | 0.0200                | 0.013           | 5                 |

All 10 mm NMR tubes are supplied with caps.



## 5 mm NMR Tube Caps

| Item No. | Color      | Caps Per Pack |
|----------|------------|---------------|
| APEC5.AS | Assorted   | 100           |
| APEC5.LB | Light Blue | 100           |
| APEC5.PK | Pink       | 100           |
| APEC5.CB | Clear Blue | 100           |
| APEC5.BU | Blush      | 100           |
| APEC5.RD | Red        | 100           |
| APEC5.GR | Green      | 100           |
| APEC5.BL | Blue       | 100           |
| APEC5.YL | Yellow     | 100           |
| APEC5.PU | Purple     | 100           |
| APEC5.OR | Orange     | 100           |
| APEC5.WH | White      | 100           |
| APEC5.BK | Black      | 100           |



## 10 mm NMR Tube Caps

| Item No.  | Color  | Caps Per Pack |
|-----------|--------|---------------|
| APEC10.YL | Yellow | 100           |
| APEC10.RD | Red    | 100           |
| APEC10.GR | Green  | 100           |
| APEC10.BL | Blue   | 100           |

## 3 mm NMR Tube Caps

| Item No. | Color | Caps Per Pack |
|----------|-------|---------------|
| APEC3.RD | Red   | 100           |



## PTFE NMR Tube Caps

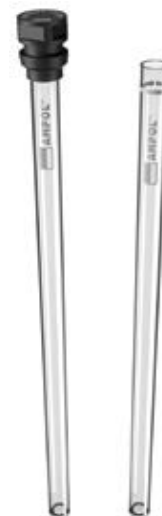
| Item No.  | Size  | Color | Caps Per Pack |
|-----------|-------|-------|---------------|
| APPTFE.10 | 10 mm | White | 10            |
| APPTFE.5  | 5 mm  | White | 10            |
| APPTFE.3  | 3 mm  | White | 10            |



## 5 mm NMR Tubes for Bruker SampleJet Automated Sample Tube Systems

| Item No.         | MHz | Tube Length<br>mm | O.D.<br>(mm) | Wall Size<br>(mm) | Concentricity<br>(mm) | Camber±<br>(mm) | Cap Type     | Tubes Per<br>Pack |
|------------------|-----|-------------------|--------------|-------------------|-----------------------|-----------------|--------------|-------------------|
| AP5.700.AST.4.NH | 700 | 103.5             | 5            | 0.38              | 40 µm                 | 60 µm           | Closed/Coded | 96                |
| AP5.700.AST.4.HC | 700 | 103.5             | 5            | 0.38              | 40 µm                 | 60 µm           | Open/Coded   | 96                |
| AP5.700.AST.7.NH | 700 | 178               | 5            | 0.38              | 40 µm                 | 60 µm           | Closed/Coded | 96                |
| AP5.700.AST.7.HC | 700 | 178               | 5            | 0.38              | 40µm                  | 60 µm           | Open/Coded   | 96                |

5 mm NMR Tubes for Automated Systems are supplied with coded caps.



## 3 mm NMR Tubes for Bruker SampleJet Automated Sample Tube Systems

| Item No.         | MHz | Tube Length<br>mm | O.D.<br>(mm) | Wall Size<br>(mm) | Concentricity<br>(mm) | Camber±<br>(mm) | Cap Type     | Tubes<br>Per Pack |
|------------------|-----|-------------------|--------------|-------------------|-----------------------|-----------------|--------------|-------------------|
| AP3.700.AST.4.NH | 700 | 103.5             | 3            | 0.38              | 40 µm                 | 60 µm           | Closed/Coded | 96                |
| AP3.700.AST.4.HC | 700 | 103.5             | 3            | 0.38              | 40 µm                 | 60 µm           | Open/Coded   | 96                |
| AP3.700.AST.7.NH | 700 | 178               | 3            | 0.38              | 40 µm                 | 60 µm           | Closed/Coded | 96                |
| AP3.700.AST.7.HC | 700 | 178               | 3            | 0.38              | 40µm                  | 60 µm           | Open/Coded   | 96                |

3 mm NMR Tubes for Automated Systems are supplied with coded caps.

## Racked NMR Tubes for Bruker SampleJet Automated Sample Tube Systems

| Item No.           | MHz | Tube Length<br>mm | O.D.<br>(mm) | Wall Size<br>(mm) | Concentricity<br>(mm) | Camber±<br>(mm) | Tubes<br>Per Pack |
|--------------------|-----|-------------------|--------------|-------------------|-----------------------|-----------------|-------------------|
| AP5.700.AST.4.RACK | 700 | 103.5             | 5            | 0.38              | 40 µm                 | 60 µm           | 96                |
| AP3.700.AST.4.RACK | 700 | 103.5             | 3            | 0.38              | 40 µm                 | 60 µm           | 96                |

Racked NMR Tubes for Automated Systems are supplied with coded, open port caps.



## Closed, Coded Caps for Bruker SampleJet Automated Sample Tube Systems

| Item No.   | O.D.<br>(mm) | Caps Per Pack |
|------------|--------------|---------------|
| AP5.NH.AST | 5            | 96            |
| AP3.NH.AST | 3            | 96            |

## NOTES

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