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## METAL IMPACT ALUMINUM CYLINDER SPECIFICATIONS

### IMPERIAL

| <i>*In Sea Water with Valve</i> | AL06      | AL08      | AL13       | AL19       | AL30       | AL40       | AL50       | AL63       | AL72       | AL80       | ALN80<br><i>Neutral 80</i> | AL100      |
|---------------------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|----------------------------|------------|
| Service Pressure                | 3000 psi  | 2015 psi  | 3000 psi   | 3000 psi   | 3000 psi   | 3000 psi   | 3000 psi   | 3000 psi   | 3000 psi   | 3000 psi   | 3300 psi                   | 3300 psi   |
| True Capacity                   | 5.8 cu ft | 7.6 cu ft | 12.8 cu ft | 18.3 cu ft | 29.1 cu ft | 38.8 cu ft | 49.5 cu ft | 61.0 cu ft | 70.0 cu ft | 77.5 cu ft | 76.2 cu ft                 | 98.2 cu ft |
| *Buoyancy Full                  | -1.6 lbs  | +1.5 lbs  | -1.1 lbs   | -1.7 lbs   | -1.6 lbs   | -1.0 lbs   | -2.3 lbs   | -2.3 lbs   | -0.9 lbs   | -1.5 lbs   | -4.1 lbs                   | -5.3 lbs   |
| *Buoyancy @ 500 psi             | -1.2 lbs  | +2.0 lbs  | -0.3 lbs   | -0.6 lbs   | +0.3 lbs   | +1.4 lbs   | +0.9 lbs   | +0.6 lbs   | +3.5 lbs   | +3.3 lbs   | +0.8 lbs                   | +1.0 lbs   |
| Weight Empty (No Valve)         | 2.7 lbs   | 3.8 lbs   | 6.0 lbs    | 7.9 lbs    | 12.3 lbs   | 15.3 lbs   | 21.5 lbs   | 27.2 lbs   | 27.8 lbs   | 31.9 lbs   | 33.4 lbs                   | 42.0 lbs   |
| Outside Diameter                | 3.2 in    | 4.38 in   | 4.4 in     | 4.4 in     | 5.25 in    | 5.25 in    | 6.9 in     | 7.25 in    | 6.9 in     | 7.25 in    | 7.25 in                    | 8.0 in     |
| Cylinder Length (No Valve)      | 10.9 in   | 10.8 in   | 12.7 in    | 17.25 in   | 19.5 in    | 24.9 in    | 19.4 in    | 21.9 in    | 26.0 in    | 26.1 in    | 25.4 in                    | 26.25 in   |

### METRIC

| <i>*In Sea Water with Valve</i> | AL06       | AL08       | AL13       | AL19       | AL30       | AL40       | AL50       | AL63       | AL72        | AL80        | ALN80<br><i>Neutral 80</i> | AL100       |
|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|----------------------------|-------------|
| Service Pressure                | 207 bar    | 139 bar    | 207 bar    | 207 bar    | 207 bar    | 207 bar    | 207 bar    | 207 bar    | 207 bar     | 207 bar     | 228 bar                    | 228 bar     |
| Water Volume                    | 0.8 liters | 1.5 liters | 1.8 liters | 2.6 liters | 4.2 liters | 5.5 liters | 7.1 liters | 8.7 liters | 10.0 liters | 11.1 liters | 10.0 liters                | 12.9 liters |
| *Buoyancy Full                  | -0.7 kg    | +0.68 kg   | -0.5 kg    | -0.8 kg    | -0.7 kg    | -0.5 kg    | -1.0 kg    | -1.0 kg    | -0.4 kg     | -0.7 kg     | -1.9 kg                    | -2.4 kg     |
| *Buoyancy @ 35 bar              | -0.5 kg    | +0.9 kg    | -0.1 kg    | -0.3 kg    | +0.1 kg    | +0.6 kg    | +0.4 kg    | +0.7 kg    | +1.6 kg     | +1.5 kg     | +0.4 kg                    | +0.5 kg     |
| Weight Empty (No Valve)         | 1.2 kg     | 1.72 kg    | 2.7 kg     | 3.6 kg     | 5.6 kg     | 6.9 kg     | 9.8 kg     | 12.3 kg    | 12.6 kg     | 14.5 kg     | 15.2 kg                    | 19.1 kg     |
| Outside Diameter                | 81 mm      | 111 mm     | 112 mm     | 112 mm     | 133 mm     | 133 mm     | 175 mm     | 184 mm     | 175 mm      | 184 mm      | 184 mm                     | 203 mm      |
| Cylinder Length (No Valve)      | 277 mm     | 274 mm     | 323 mm     | 438 mm     | 495 mm     | 633 mm     | 493 mm     | 556 mm     | 660 mm      | 663 mm      | 645 mm                     | 667 mm      |



#### MARK

DOT  
3AL  
3000  
CC001031  
M5659  
01  
A  
11  
XS-80  
TC-3ALM  
207

#### EXPLANATION

US Department of Transportation  
Aluminum Specification (USA)  
Service pressure (psi)  
Serial number  
DOT manufacturer facility identifier  
Month of manufacture  
Independent inspector mark  
Year of manufacture  
Manufacturer's logo  
Manufacturer's model number (cylinder size)  
Aluminum Specification (Canada)  
Service pressure (bar)

