

## TABLES FOR DIMENSIONS AND LOADING CAPACITIES FOR CARGO BODIES

The major activity of most ammunition storage areas is loading trucks, railcars, and aircraft. Critical to the planning and execution of this task is knowing how much can be loaded in each kind of cargo body. This appendix provides that information in the following tables:

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Table A-1. Truck Cargo Decks.

| Vehicle Type | Length (in) | Width (in) | Under Bows |                    | Top of Side Racks |                    |
|--------------|-------------|------------|------------|--------------------|-------------------|--------------------|
|              |             |            | (in)       | (ft <sup>3</sup> ) | (in)              | (ft <sup>3</sup> ) |
| 3/4-ton      |             |            |            |                    |                   |                    |
| M37          | 78.0        | 64.0       | 54.0       | 134.8              | 35.4              | 84.3               |
| M37B1        | 78.0        | 64.0       | 54.0       | 146.1              | 35.4              | 95.7               |
| 1 1/4-ton    |             |            |            |                    |                   |                    |
| M561         | 87.8        | 81.0       | 62.4       | 235.4              | 41.4              | 152.4              |
| M715         | 92.8        | 64.0       | 55.5       | 182.0              | 38.5              | 129.0              |
| M880         | 98.6        | 69.9       | N/A        | N/A                | N/A               | N/A                |
| M881         | 98.6        | 69.9       | N/A        | N/A                | N/A               | N/A                |
| M882         | 98.6        | 69.9       | N/A        | N/A                | N/A               | N/A                |
| M883         | 98.6        | 69.9       | N/A        | N/A                | N/A               | N/A                |
| M884         | 98.6        | 69.9       | N/A        | N/A                | N/A               | N/A                |
| M885         | 98.6        | 69.9       | N/A        | N/A                | N/A               | N/A                |
| M890         | 98.6        | 69.9       | N/A        | N/A                | N/A               | N/A                |
| M891         | 98.6        | 69.9       | N/A        | N/A                | N/A               | N/A                |
| M892         | 98.6        | 69.9       | N/A        | N/A                | N/A               | N/A                |

|           |       |       |      |         |      |       |  |  |  |
|-----------|-------|-------|------|---------|------|-------|--|--|--|
| 2 1/2-ton |       |       |      |         |      |       |  |  |  |
| M35A2     | 146.8 | 88.0  | 60.0 | 441.9   | 36.5 | 272.8 |  |  |  |
| M35A2C    | 147.0 | 87.6  | 60.0 | 440.5   | 36.5 | 272.0 |  |  |  |
| M36       | 210.0 | 88.0  | 71.8 | 759.3   | 36.4 | 389.2 |  |  |  |
| M36A2     | 210.0 | 88.0  | 71.8 | 759.3   | 36.4 | 389.2 |  |  |  |
| M135      | 147.0 | 80.0  | 60.0 | 391.0   | 36.4 | 237.7 |  |  |  |
| M211      | 147.0 | 88.0  | 60.0 | 442.5   | 36.5 | 273.2 |  |  |  |
| M602      | 147.0 | 88.0  | 53.0 | 446.3   | 36.5 | 273.2 |  |  |  |
| 5-ton     |       |       |      |         |      |       |  |  |  |
| M41       | 165.0 | 88.0  | 60.0 | 446.2   | 36.5 | —     |  |  |  |
| M54       | 168.0 | 88.0  | 60.0 | 480.2   | 36.5 | 286.1 |  |  |  |
| M54A1     | 168.0 | 88.0  | 60.0 | 480.2   | 36.5 | 286.1 |  |  |  |
| M54A1C    | 168.0 | 88.0  | 60.0 | 482.5   | 36.5 | 287.5 |  |  |  |
| M54A2     | 168.0 | 88.0  | 60.0 | 480.2   | 36.5 | 286.1 |  |  |  |
| M54A2C    | 168.0 | 88.4  | 55.5 | 482.5   | 36.5 | 287.5 |  |  |  |
| M55       | 244.0 | 88.0  | 61.3 | 751.5   | 36.5 | 453.5 |  |  |  |
| M55A1     | 244.0 | 88.0  | 61.3 | 751.5   | 36.5 | 453.5 |  |  |  |
| M55A2     | 244.0 | 88.0  | 61.3 | 751.5   | 36.5 | 453.5 |  |  |  |
| M328A1    | 219.3 | 97.8  | 50.5 | 626.7   | 36.5 | 453.5 |  |  |  |
| M656      | 181.0 | 88.0  | 60.0 | 546.0   | 27.0 | 248.8 |  |  |  |
| M812A2    | 210.0 | 120.0 | 79.0 | 1,152.0 | —    | —     |  |  |  |

(continued)

Table A-1. (continued)

| Vehicle Type | Length (in) | Width (in) | Under Bows |                    | Top of Side Racks |                    |
|--------------|-------------|------------|------------|--------------------|-------------------|--------------------|
|              |             |            | (in)       | (ft <sup>3</sup> ) | (in)              | (ft <sup>3</sup> ) |
| M813         | 168.0       | 88.3       | 57.2       | 468.0              | 36.5              | 298.8              |
| M813A1       | 168.0       | 88.3       | 57.4       | 468.0              | 36.5              | 298.8              |
| M814         | 243.0       | 87.8       | 60.0       | 733.0              | 36.3              | 449.6              |
| M821         | 218.8       | 97.8       | 48.8       | 604.3              | —                 | —                  |
| M923         | 168.0       | 88.3       | 57.4       | 468.0              | 36.5              | 298.8              |
| M924         | 168.0       | 88.3       | 57.4       | 468.0              | 36.5              | 298.8              |
| M925         | 168.0       | 88.3       | 57.4       | 468.0              | 36.5              | 298.8              |
| M926         | 168.0       | 88.3       | 57.4       | 468.0              | 36.5              | 298.8              |
| M927         | 243.0       | 87.3       | 60.0       | 736.5              | 36.5              | 449.6              |
| M928         | 243.0       | 87.3       | 60.0       | 736.5              | 36.3              | 449.6              |
| 10-ton       |             |            |            |                    |                   |                    |
| M125         | 180.0       | 96.0       | 62.0       | 590.0              | 42.0              | 398.1              |
| M125A1       | 180.0       | 96.0       | 62.0       | 590.0              | 42.0              | 398.1              |
| M977         | 216.0       | 90.0       | 48.0       | 540.0              | —                 | —                  |
| M985         | 216.0       | 90.0       | 48.0       | 54.0               | —                 | —                  |

Table A-2. Dump Truck Bodies.

| Vehicle Type | Cargo Deck  |            | Cargo Body Loading Height and Capacity |                    |                   |                    |
|--------------|-------------|------------|--|--------------------|-------------------|--------------------|
|              | Length (in) | Width (in) | Top of Side Panels                     |                    | Top of Cab Shield |                    |
|              |             |            | (in)                                   | (ft <sup>3</sup> ) | (in)              | (ft <sup>3</sup> ) |
| 2 1/2-ton    |             |            |  |                    |                   |                    |
| M47*         | 108.0       | 70.0       | 24.5                                   | —                  | 48.5              | 212.2              |
| M59          | 108.0       | 70.0       | 24.5                                   | —                  | 49.0              | 214.3              |
| M215*        | 108.0       | 70.0       | 24.5                                   | —                  | 56.0              | 245.0              |
| M34A2*       | 132.0       | 70.0       | 24.5                                   | —                  | 47.1              | 251.8              |
| 5-ton        |             |            |  |                    |                   |                    |
| M51*         | 123.0       | 82.0       | 25.0                                   | —                  | 51.0              | 297.6              |
| M51A1        | 123.0       | 82.0       | 25.0                                   | —                  | 51.0              | 297.6              |
| M51A2        | 123.0       | 82.0       | 25.0                                   | —                  | 51.0              | 297.6              |
| M817*        | 124.8       | 81.9       | 25.0                                   | —                  | 51.8              | 306.3              |
| M929*        | 124.8       | 81.9       | 28.0                                   | —                  | 51.8              | 306.3              |
| 20-ton       |             |            |  |                    |                   |                    |
| F5070        | 191.5       | 85.1       | 34.3                                   | —                  | 58.5              | 537.0              |
| M917         | 216.0       | 84.0       | 31.0                                   | —                  | 73.0              | 753.6              |

\*(W or W/O Winch)

Table A-3. Cargo Trailer Bodies.

| Vehicle Type  | Cargo Deck  |            | Cargo Body Loading Height and Capacity |                    |                   |                    |                    |                    |
|---|-------------|------------|--|--------------------|-------------------|--------------------|--------------------|--------------------|
|   | Length (in) | Width (in) | Under Bows                             |                    | Top of Side Racks |                    | Top of Side Panels |                    |
|   |             |            | (in)                                   | (ft <sup>3</sup> ) | (in)              | (ft <sup>3</sup> ) | (in)               | (ft <sup>3</sup> ) |
| 1/4-ton<br>M100<br>M416   | 71.5        | 37.8       | N/A                                    | N/A                | N/A               | N/A                | 18.0               | 29.7               |
|   | 72          | 41.3       | N/A                                    | N/A                | N/A               | N/A                | 18.0               | 31.8               |
|   |             |            |  |                    |                   |                    |                    |                    |
| 3/4-ton<br>M101<br>M101A1<br>M104<br>M104A1<br>M105<br>M105A1<br>M105A2 | 94.8        | 65.3       | 49.0                                   | 170.5              | 33.3              | 114.6              | 18.3               | 60.9               |
|   | 94.8        | 65.3       | 49.0                                   | 170.5              | 33.3              | 114.6              | 18.3               | 60.9               |
|   | 110.0       | 74.0       | 59.3                                   | 273.2              | 45.3              | 207.7              | 18.0               | 79.1               |
|   | 110.0       | 74.0       | 59.3                                   | 273.2              | 45.3              | 207.7              | 18.0               | 79.2               |
|   | 109.8       | 74.0       | 60.0                                   | 276.0              | 45.0              | 205.9              | 18.0               | 79.0               |
|   | 109.8       | 74.0       | 60.0                                   | 276.0              | 45.0              | 205.9              | 18.0               | 79.0               |

Table A-4. Stake Semitrailer Cargo Bodies.

| Vehicle Type | Cargo Deck  |            | Cargo Body Loading Measurements |                             |
|--------------|-------------|------------|---------------------------------|-----------------------------|
|              | Length (in) | Width (in) | Height (in)                     | Capacity (ft <sup>3</sup> ) |
| 6-ton        |             |            |                                 |                             |
| M118         | 268.8       | 88.5       | 48.0                            | 660.8                       |
| M118A1       | 268.8       | 88.5       | 48.0                            | 660.8                       |
| 12-ton       |             |            |                                 |                             |
| M127         | 335.8       | 88.8       | 47.8                            | 824.8                       |
| M127A1       | 335.8       | 88.8       | 47.8                            | 824.8                       |
| M127A1C      | 335.8       | 88.8       | 48.0                            | 828.3                       |
| M127A2C      | 335.8       | 88.8       | 48.0                            | 828.3                       |
| M270A1       | 459.8       | 84.0       | 48.0                            | 1,090.7                     |
| 34-ton       |             |            |                                 |                             |
| M872         | 484.8       | 93.0       | 49.0                            | 1,278.5                     |
| M872A1       | 484.8       | 93.0       | 49.0                            | 1,278.5                     |
| M872A2       | 484.8       | 93.0       | 49.0                            | 1,278.5                     |
| M872A3       | 484.8       | 93.0       | 49.0                            | 1,278.5                     |

Table A-5. Van Semitrailer Cargo Bodies.

| Vehicle Type | Cargo Deck  |            | Cargo Body Loading Measurements |                             |
|--------------|-------------|------------|---------------------------------|-----------------------------|
|              | Length (in) | Width (in) | Height (in)                     | Capacity (ft <sup>3</sup> ) |
| 6-ton        |             |            |                                 |                             |
| M119         | 264.0       | 89.6       | 73.8                            | 1,010.2                     |
| M119A1       | 264.0       | 89.6       | 73.8                            | 1,010.2                     |
| M146         | 264.0       | 90.0       | 76.0                            | 1,045.0                     |
| 12-ton       |             |            |                                 |                             |
| M128         | 335.5       | 89.0       | 78.5                            | 1,356.4                     |
| M128A1       | 333.5       | 89.0       | 78.5                            | 1,356.4                     |
| M128A1C      | 336.0       | 89.0       | 78.5                            | 1,358.4                     |
| M128A2C      | 337.5       | 89.5       | 78.5                            | 1,372.2                     |



Table A-6. Commercial Truck Bodies.

| Vehicle Type                      | Cargo Deck  |            | Cargo Body Loading Height and Capacity |                    |            |                    |                |                    |
|-----------------------------------|-------------|------------|--|--------------------|------------|--------------------|----------------|--------------------|
|                                   | Length (in) | Width (in) | Top of Side Racks                      |                    | Top of Cab |                    | Under Body Top |                    |
|                                   |             |            | (in)                                   | (ft <sup>3</sup> ) | (in)       | (ft <sup>3</sup> ) | (in)           | (ft <sup>3</sup> ) |
| 1/4-ton<br>1976 Dodge<br>(X39598) | 77.0        | 66.1       | N/A                                    | N/A                | 42.8       | 123.6              | N/A            | N/A                |
| 1/2-ton<br>1967 Ford<br>(X54805)  | 87.0        | 66.3       | N/A                                    | N/A                | N/A        | N/A                | 50.0           | 162.3              |
| 1974 Chevrolet<br>(X39598)        | 79.0        | 71.8       | N/A                                    | N/A                | 42.3       | 136.4              | N/A            | N/A                |
| 1974 IHC<br>(X39598)              | 80.0        | 54.8       | N/A                                    | N/A                | 44.3       | 109.9              | N/A            | N/A                |

(continued)

Table A-6. (continued)

| Vehicle Type                      | Cargo Deck  |            | Cargo Body Loading Height and Capacity |                    |            |                    |                |                    |
|-----------------------------------|-------------|------------|--|--------------------|------------|--------------------|----------------|--------------------|
|                                   | Length (in) | Width (in) | Top of Side Racks                      |                    | Top of Cab |                    | Under Body Top |                    |
|                                   |             |            | (in)                                   | (ft <sup>3</sup> ) | (in)       | (ft <sup>3</sup> ) | (in)           | (ft <sup>3</sup> ) |
|                                   |             |            |  |                    |            |                    |                |                    |
| 1/2-ton<br>1975 Dodge<br>(X39598) | 77.0        | 66.1       | N/A                                    | N/A                | 42.8       | 123.6              | N/A            | N/A                |
| 3/4-ton<br>1970 IHC<br>(X54942)   | 97.0        | 67.0       | N/A                                    | N/A                | N/A        | N/A                | 41.0           | 149.6              |
| 1971 Chevrolet<br>(X54531)        | 121.0       | 73.0       | N/A                                    | N/A                | N/A        | N/A                | 72.0           | 363.6              |
| 1973 Dodge<br>(X54805)            | 96.0        | 70.0       | N/A                                    | N/A                | N/A        | N/A                | 50.0           | 189.8              |
| 1974 Chevrolet<br>(X54531)        | 121.3       | 76.3       | N/A                                    | N/A                | N/A        | N/A                | 68.5           | 360.4              |

| 3/4-ton (Continued)         |       |      |      |       |      |       |       |      |       |
|-----------------------------|-------|------|------|-------|------|-------|-------|------|-------|
|                             | 96.0  | 70.1 | N/A  | N/A   | N/A  | N/A   | N/A   | 50.5 | 191.8 |
| 1974 Dodge<br>(X54805)      |       |      |      |       |      |       |       |      |       |
| 1-ton                       |       |      |      |       |      |       |       |      |       |
| 1965 Dodge<br>(X39877)      | 93.8  | 54.3 | N/A  | N/A   | N/A  | 38.8  | 114.3 | N/A  | N/A   |
| 1971 Dodge<br>(X39893)      | 78.0  | 51.0 | N/A  | N/A   | N/A  | 43.0  | 90.0  | N/A  | N/A   |
| 1974 IHC<br>(X29893)        | 78.0  | 49.5 | N/A  | N/A   | N/A  | 41.5  | 92.7  | N/A  | N/A   |
| 1975 Dodge<br>(X56038)      | 92.3  | 73.0 | N/A  | N/A   | N/A  | 30.5  | 118.9 | N/A  | N/A   |
| 1975 IHC<br>(X56083)        | 92.0  | 73.0 | N/A  | N/A   | N/A  | 36.0  | 139.9 | N/A  | N/A   |
| 2 1/2-ton                   |       |      |      |       |      |       |       |      |       |
| 1969 Chevrolet<br>(X554764) | 136.1 | 73.0 | 42.0 | 339.2 | 37.0 | 298.8 | N/A   | N/A  | N/A   |

(Continued)

Table A-6. (Continued)

| Vehicle Type                        | Cargo Deck  |            | Cargo Body Loading Height and Capacity |                    |            |                    |                |                    |
|-------------------------------------|-------------|------------|--|--------------------|------------|--------------------|----------------|--------------------|
|                                     | Length (in) | Width (in) | Top of Side Racks                      |                    | Top of Cab |                    | Under Body Top |                    |
|                                     |             |            | (in)                                   | (ft <sup>3</sup> ) | (in)       | (ft <sup>3</sup> ) | (in)           | (ft <sup>3</sup> ) |
| 3 3/4-ton<br>1969 Dodge<br>(X56312) | 162.3       | 86.0       | 42.0                                   | 339.2              | 37.0       | 298.8              | N/A            | N/A                |
| 4-ton<br>1970 Dodge<br>(X61792)     | 143.6       | 89.3       | N/A                                    | N/A                | N/A        | N/A                | 78.6           | 583.2              |
| 1972 IHC<br>(X61792)                | 138.5       | 85.5       | N/A                                    | N/A                | N/A        | N/A                | 72.5           | 496.8              |
| 1975 IHC<br>(X61792)                | 138.0       | 85.3       | N/A                                    | N/A                | N/A        | N/A                | 73.5           | 500.6              |

(Continued)

|   |       |      |     |     |     |      |       |      |       |
|---|-------|------|-----|-----|-----|------|-------|------|-------|
| 4-1/2-ton<br>1971 IHC<br>(X61792)<br>1972 IHC<br>(X55764)<br>1973 IHC<br>(X56312)<br>1974 GMC<br>(X61792)<br>1975 GMC<br>(X55764) | 161.3 | 86.0 | N/A | N/A | N/A | N/A  | N/A   | 72.0 | 577.7 |
|   | 157.5 | 85.0 | N/A | N/A | N/A | N/A  | N/A   | 78.0 | 589.4 |
|   | 162.5 | 86.3 | N/A | N/A | N/A | 42.6 | 345.7 | N/A  | N/A   |
|   | 157.5 | 90.5 | N/A | N/A | N/A | N/A  | N/A   | 72.5 | 598.0 |
|   | 157.5 | 85.0 | N/A | N/A | N/A | N/A  | N/A   | 78.0 | 589.4 |
| 5-ton<br>1973 IHC<br>(X56483)<br>1974 IHC<br>(X56483)   | 163.3 | 87.8 | N/A | N/A | N/A | 46.0 | 381.6 | N/A  | N/A   |
|   | 168.0 | 88.0 | N/A | N/A | N/A | 44.8 | 383.2 | N/A  | N/A   |

Table A-7. Commercial Semitrailer Bodies.

| Vehicle Type                       | Cargo Deck  |            | Cargo Body Loading Measurements and Capacity |               |                               |
|------------------------------------|-------------|------------|--|---------------|-------------------------------|
|                                    | Length (in) | Width (in) | Height (in)                                  | Van Body (in) | Stake Body (ft <sup>3</sup> ) |
| 12-ton<br>1963 Spencer<br>(S72161) | 336.0       | 90.0       | 42.0   | N/A           | 735.0                         |
| 1969 Trayler<br>(S72161)           | 356.0       | 90.0       | 42.0   | N/A           | 778.8                         |
| 1973 Stroughton<br>(S73942)        | 356.0       | 89.8       | 93.8   | 1,753.3       | N/A                           |
| 1974 Stroughton<br>(S73942)        | 356.5       | 91.8       | 91.0   | 1,723.4       | N/A                           |
| 20-ton<br>1969 Rogers<br>(S72178)  | 383.5       | 89.3       | 68.0   | N/A           | 1,347.7                       |

Table A-8. Army Helicopter Compartments.

| Aircraft        | Cargo Compartment |               |                |                                |
|-----------------|-------------------|---------------|----------------|--------------------------------|
|                 | Length<br>(in)    | Width<br>(in) | Height<br>(in) | Capacity<br>(ft <sup>3</sup> ) |
| CH-47A          | 366.0             | 90.0          | 78.0           | 1,486.8                        |
| CH-47B          | 366.0             | 90.0          | 78.0           | 1,486.8                        |
| CH-47C          | 366.0             | 90.0          | 78.0           | 1,486.8                        |
| CH-47D          | 366.0             | 90.0          | 78.0           | 1,486.8                        |
| CH-54A with pod | 344.8             | 105.5         | 78.5           | 1,604.5                        |
| CH-54B with pod | 344.8             | 105.5         | 78.5           | 1,604.5                        |
| UH-1A           | 80.5              | 53.0          | 48.0           | 118.5                          |
| UH-1B           | 80.5              | 53.0          | 48.0           | 118.5                          |
| UH-1C           | 80.5              | 53.0          | 48.0           | 118.5                          |
| UH-1D           | 92.0              | 84.0          | 49.0           | 191.3                          |
| UH-1H           | 92.0              | 84.0          | 49.0           | 191.3                          |
| UH-1M           | 80.5              | 53.0          | 48.0           | 118.5                          |
| UH-1V           | 92.0              | 84.0          | 49.0           | 191.3                          |
| UH-60A          | 138.0             | 73.0          | 52.8           | 308.5                          |

Table A-9. Other Aircraft's Compartments

| Aircraft        | Maximum Cargo Load<br>(pounds) |
|-----------------|--------------------------------|
| CH-47A          | 10,500                         |
| CH-47B          | 15,136                         |
| CH-47C          | 17,136                         |
| CH-47D          | 19,887                         |
| CH-54A with/pod | 13,773                         |
| CH-54B with/pod | 16,980                         |
| UH-1A           | 850                            |
| UH-1B           | 2,939                          |
| UH-1C           | 3,320                          |
| UH-1M           | 3,820                          |
| UH-1D           | 3,344                          |
| UH-1H           | 3,344                          |
| UH-1V           | 3,344                          |
| UH-60A          | 3,000                          |