# COMPARISON: A1600 VS. C352TS

A1600 C352TS

The A1600 and C352TS Halon fire extinguishers from H3R Aviation are both popular choices among general aviation consumers. This document compares and contrasts the features of each extinguisher to better inform those considering either model.

The table below offers a close look at each model's features, while the diagram on the reverse side of this document illustrates their dimensions. The diagram is useful in determining where to install the model in an aircraft, or in deciding whether available space will allow the replacement of one with the other.

**Note:** The diagram specifically depicts the scenario in which an A1600 is replaced with a C352TS, and the top mounting hole of the C352TS bracket is aligned with the top mounting hole of the A1600. This scenario enables the existing mounting holes drilled in the aircraft for the A1600 to be used. In this instance, compared to the A1600 the mounted C352TS would require an additional 1/16" of space above, 7/16" less space below, 15/16" greater width room and 1/16" greater depth.

| Feature | Model A1600 | Model C352TS | Compared to the A1600, the C352TS: |
|---|---|---|---|
| Rating | 5B:C | 5B:C | Has a UL rating of 5B:C vs. the A1600's UL Canada rating of 5B:C |
| Dimensions | 13 7/8" H, 3 7/16" W, 3 13/16" D | 14 3/8" H, 4 3/8" W, 3 7/8" D | Is 1/2" taller, 15/16" wider, 1/16" deeper. |
| Agent | Halon 1211 | Halon 1211 | Contains the same agent. |
| Agent weight | 3.5 lbs. | 2.5 lbs. | Contains 1lb. less extinguishing agent. |
| Gross weight | 4.4 lbs. | 4.9 lbs. | Has a gross weight that is 0.5 lbs. heavier |
| Rechargeable | Yes | Yes | Is also rechargeable. |
| Non-aviation use | Yes (non-marine) | Yes | Is United States Coast Guard approved. |
| Discharge time | 11-13 sec. | 10 sec. | Has a slightly shorter discharge time. |
| Discharge range | 8-10 ft. | 9-15 ft. | Has a longer discharge range. |
| Chrome option | No | Yes | Has a chrome option (model C352TSC). |
| Inspection and maintenance requirements | Check for damage / obstruction and check gauge monthly. Yearly professional service/more extensive service every 6 years. | Check for damage / obstruction and check gauge monthly. Yearly professional service/more extensive service every 6 years. | Has same inspection requirements, and maintenance is somewhat more involved. |
| Shelf life | Indefinite | Indefinite | Also has an indefinite shelf life. |
| Bracket | Less sturdy, 2 holes | Sturdy steel, 9 holes | Has a studier bracket, with greater mounting versatility. |
| Cylinder | Aluminum | Steel | Has a sturdier cylinder. |
| Disposal | Fire service company/overhauler | Fire service company/overhauler | Has the same disposal requirements. |

B

C

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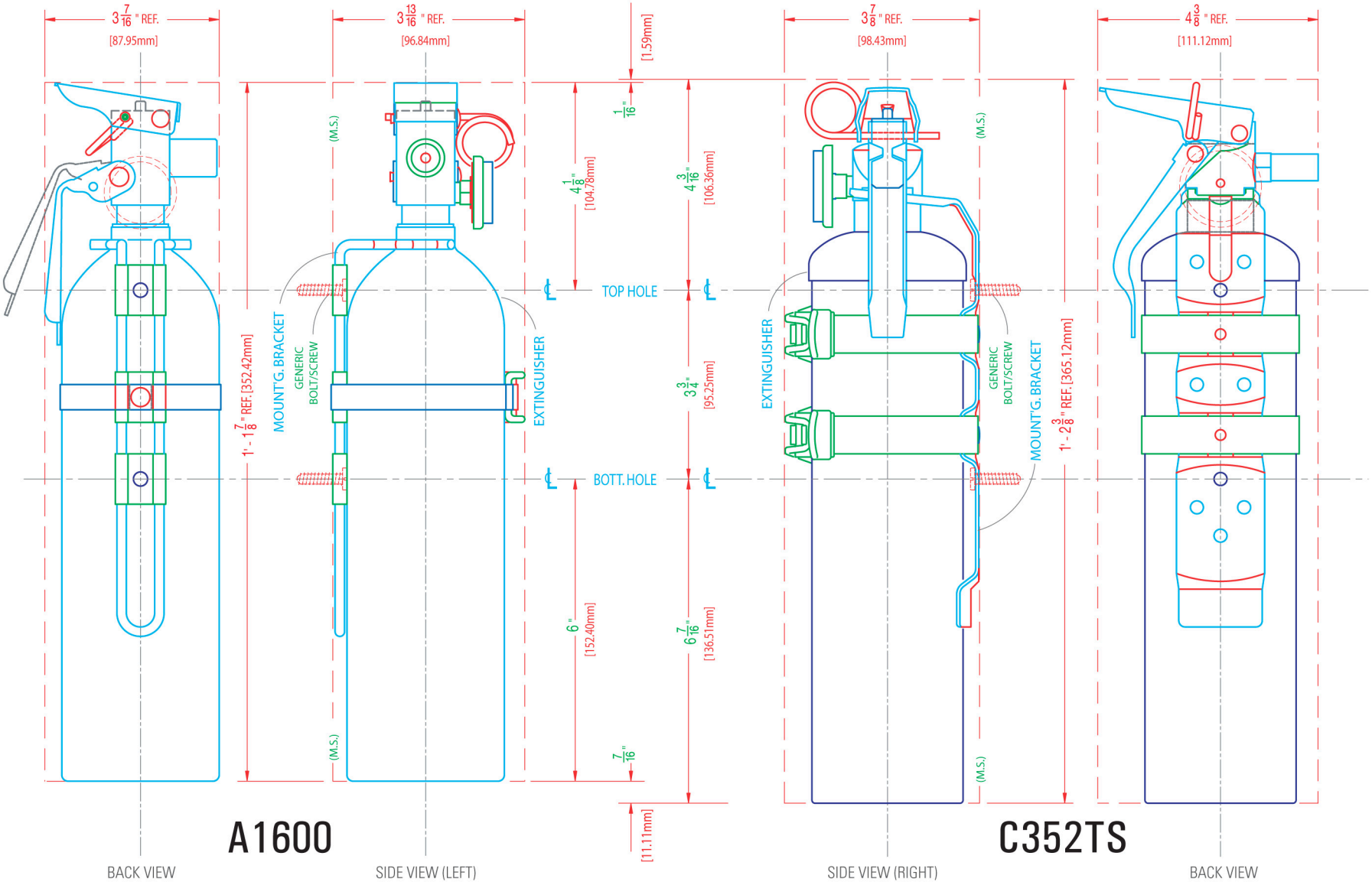
# DIAGRAM FOR USING THE EXISTING A1600 BRACKET TOP HOLE TO MOUNT THE C352TS BRACKET




*(M.S.) = MOUNTING SURFACE*

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