

## Police Pistol vs .44 Revolver

- Police Pistol - 25+ for 20AP, 6 mag, High HP, 1 cap per shot
- .44 Revolver - 30+ for 25AP, 6 mag, High HP, 1.5 caps per shot

60AP to 70AP total.

$$\begin{array}{ll} 25+ \times 3 = 75 + 16 = 91 & \{3 \text{ caps}\} \\ 30+ \times 2 = 60 + 11 = 71 & \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}] \end{array}$$

75AP total.

$$\begin{array}{ll} 25+ \times 3 = 75 + 16 = 91 & \{3 \text{ caps}\} [\text{with 15AP spare}] \\ 30+ \times 3 = 90 + 16 = 106 & \{4.5 \text{ caps}\} \end{array}$$

80AP total.

$$\begin{array}{ll} 25+ \times 4 = 100 + 22 = 122 & \{4 \text{ caps}\} \\ 30+ \times 3 = 90 + 16 = 106 & \{4.5 \text{ caps}\} [\text{with 5AP spare}] \end{array}$$

100AP total.

$$\begin{array}{ll} 25+ \times 5 = 125 + 27 = 152 & \{5 \text{ caps}\} \\ 30+ \times 4 = 120 + 22 = 142 & \{6 \text{ caps}\} \end{array}$$

100AP total. Vs 6 DT

$$\begin{array}{l} 25+ \times 5 = 125 + 27 - 30 = 122 \\ 30+ \times 4 = 120 + 22 - 24 = 118 \end{array}$$

100AP total. Vs 10 DT

$$\begin{array}{l} 25+ \times 5 = 125 + 27 - 50 = 102 \\ 30+ \times 4 = 120 + 22 - 40 = 102 \end{array}$$

This presents a bit of a problem. The Police Pistol causes more damage than the .44 at all Agi values except 7 or 8 (76AP - 79AP), and even if no AP is wasted for either (100AP) the Police Pistol causes more damage until the target has DT10+.

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**[if .44 was 32+?]**

60AP to 70AP total.

$$\begin{aligned} 25+ \times 3 &= 75 + 16 = 91 && \{3 \text{ caps}\} *16^* \\ 32+ \times 2 &= 64 + 11 = 75 && \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}] \end{aligned}$$

60AP to 70AP total. Vs 6DT

$$\begin{aligned} 25+ \times 3 &= 75 + 16 - 18 = 73 && \{3 \text{ caps}\} *10^* \\ 32+ \times 2 &= 64 + 11 - 12 = 63 && \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}] \end{aligned}$$

60AP to 70AP total. Vs 10DT

$$\begin{aligned} 25+ \times 3 &= 75 + 16 - 30 = 61 && \{3 \text{ caps}\} *6^* \\ 32+ \times 2 &= 64 + 11 - 20 = 55 && \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}] \end{aligned}$$

75AP total.

$$\begin{aligned} 25+ \times 3 &= 75 + 16 = 91 && \{3 \text{ caps}\} [\text{with 15AP spare}] \\ 32+ \times 3 &= 96 + 16 = 112 && \{4.5 \text{ caps}\} *21^* \end{aligned}$$

80AP total.

$$\begin{aligned} 25+ \times 4 &= 100 + 22 = 122 && \{4 \text{ caps}\} *10^* \\ 32+ \times 3 &= 96 + 16 = 112 && \{4.5 \text{ caps}\} [\text{with 5AP spare}] \end{aligned}$$

80AP total. Vs 6 DT

$$\begin{aligned} 25+ \times 4 &= 100 + 22 - 24 = 98 && \{4 \text{ caps}\} *4^* \\ 32+ \times 3 &= 96 + 16 - 18 = 94 && \{4.5 \text{ caps}\} [\text{with 5AP spare}] \end{aligned}$$

80AP total. Vs 10 DT

$$\begin{aligned} 25+ \times 4 &= 100 + 22 - 40 = 82 && \{4 \text{ caps}\} \\ 32+ \times 3 &= 96 + 16 - 30 = 82 && \{4.5 \text{ caps}\} [\text{with 5AP spare}] \end{aligned}$$

100AP total.

$$\begin{aligned} 25+ \times 5 &= 125 + 27 = 152 && \{5 \text{ caps}\} *2^* \\ 32+ \times 4 &= 128 + 22 = 150 && \{6 \text{ caps}\} \end{aligned}$$

100AP total. Vs 6 DT

$$\begin{aligned} 25+ \times 5 &= 125 + 27 - 30 = 122 \\ 32+ \times 4 &= 128 + 22 - 24 = 126 *4^* \end{aligned}$$

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**[if .44 was 33+?]**

60AP to 70AP total.

$$\begin{aligned} 25+ \times 3 &= 75 + 16 = 91 && \{3 \text{ caps}\} *16^* \\ 33+ \times 2 &= 66 + 11 = 77 && \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}] \end{aligned}$$

60AP to 70AP total. Vs 6DT

$$\begin{aligned} 25+ \times 3 &= 75 + 16 - 18 = 73 && \{3 \text{ caps}\} *8^* \\ 33+ \times 2 &= 66 + 11 - 12 = 65 && \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}] \end{aligned}$$

60AP to 70AP total. Vs 10DT

$$\begin{aligned} 25+ \times 3 &= 75 + 16 - 30 = 61 && \{3 \text{ caps}\} *4^* \\ 33+ \times 2 &= 66 + 11 - 20 = 57 && \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}] \end{aligned}$$

75AP total.

$$\begin{aligned} 25+ \times 3 &= 75 + 16 = 91 && \{3 \text{ caps}\} [\text{with 15AP spare}] \\ 33+ \times 3 &= 99 + 16 = 115 && \{4.5 \text{ caps}\} *24^* \end{aligned}$$

80AP total.

$$\begin{aligned} 25+ \times 4 &= 100 + 22 = 122 && \{4 \text{ caps}\} *7^* \\ 33+ \times 3 &= 99 + 16 = 115 && \{4.5 \text{ caps}\} [\text{with 5AP spare}] \end{aligned}$$

80AP total. Vs 6 DT

$$\begin{aligned} 25+ \times 4 &= 100 + 22 - 24 = 98 && \{4 \text{ caps}\} *1^* \\ 33+ \times 3 &= 99 + 16 - 18 = 97 && \{4.5 \text{ caps}\} [\text{with 5AP spare}] \end{aligned}$$

80AP total. Vs 10 DT

$$\begin{aligned} 25+ \times 4 &= 100 + 22 - 40 = 82 && \{4 \text{ caps}\} \\ 33+ \times 3 &= 99 + 16 - 30 = 85 && \{4.5 \text{ caps}\} *3^* [\text{with 5AP spare}] \end{aligned}$$

100AP total.

$$\begin{aligned} 25+ \times 5 &= 125 + 27 = 152 && \{5 \text{ caps}\} \\ 33+ \times 4 &= 132 + 22 = 154 && \{6 \text{ caps}\} *2^* \end{aligned}$$

100AP total. Vs 6 DT

$$\begin{aligned} 25+ \times 5 &= 125 + 27 - 30 = 122 \\ 33+ \times 4 &= 132 + 22 - 24 = 130 *8^* \end{aligned}$$

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**[if .44 was 34+?]**

60AP to 70AP total.

$$\begin{aligned} 25+ \times 3 &= 75 + 16 = 91 && \{3 \text{ caps}\} *14^* \\ 34+ \times 2 &= 68 + 11 = 79 && \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}] \end{aligned}$$

60AP to 70AP total. Vs 6DT

$$25+ \times 3 = 75 + 16 - 18 = 73 \quad \{3 \text{ caps}\} *6^*$$

$$34+ \times 2 = 68 + 11 - 12 = 67 \quad \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}]$$

60AP to 70AP total. Vs 10DT

$$25+ \times 3 = 75 + 16 - 30 = 61 \quad \{3 \text{ caps}\} *2^*$$

$$34+ \times 2 = 68 + 11 - 20 = 59 \quad \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}]$$

75AP total.

$$25+ \times 3 = 75 + 16 = 91 \quad \{3 \text{ caps}\} [\text{with 15AP spare}]$$

$$34+ \times 3 = 102 + 16 = 118 \quad \{4.5 \text{ caps}\} *27^*$$

80AP total.

$$25+ \times 4 = 100 + 22 = 122 \quad \{4 \text{ caps}\} *4^*$$

$$34+ \times 3 = 102 + 16 = 118 \quad \{4.5 \text{ caps}\} [\text{with 5AP spare}]$$

80AP total. Vs 6 DT

$$25+ \times 4 = 100 + 22 - 24 = 98 \quad \{4 \text{ caps}\}$$

$$34+ \times 3 = 102 + 16 - 18 = 100 \quad \{4.5 \text{ caps}\} *2^* [\text{with 5AP spare}]$$

80AP total. Vs 10 DT

$$25+ \times 4 = 100 + 22 - 40 = 82 \quad \{4 \text{ caps}\}$$

$$34+ \times 3 = 102 + 16 - 30 = 88 \quad \{4.5 \text{ caps}\} *6^* [\text{with 5AP spare}]$$

100AP total.

$$25+ \times 5 = 125 + 27 = 152 \quad \{5 \text{ caps}\}$$

$$34+ \times 4 = 136 + 22 = 154 \quad \{6 \text{ caps}\} *2^*$$

100AP total. Vs 6 DT

$$25+ \times 5 = 125 + 27 - 30 = 122$$

$$33+ \times 4 = 136 + 22 - 24 = 130 *8^*$$

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**[if .44 was 35+?]**

60AP to 70AP total.

$$25+ \times 3 = 75 + 16 = 91 \quad \{3 \text{ caps}\} *10^*$$

$$35+ \times 2 = 70 + 11 = 81 \quad \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}]$$

60AP to 70AP total. Vs 6DT

$$25+ \times 3 = 75 + 16 - 18 = 73 \quad \{3 \text{ caps}\} *4^*$$

$$35+ \times 2 = 70 + 11 - 12 = 69 \quad \{3 \text{ caps}\} [\text{with 10 to 20 AP spare}]$$

60AP to 70AP total. Vs 10DT

$$25+ \times 3 = 75 + 16 - 30 = 61 \quad \{3 \text{ caps}\}$$

$$35+ \times 2 = 70 + 11 - 20 = 61 \quad \{3 \text{ caps}\} \text{ [with 10 to 20 AP spare]}$$

75AP total.

$$25+ \times 3 = 75 + 16 = 91 \quad \{3 \text{ caps}\} \text{ [with 15AP spare]}$$

$$35+ \times 3 = 105 + 16 = 121 \quad \{4.5 \text{ caps}\} *30*$$

80AP total.

$$25+ \times 4 = 100 + 22 = 122 \quad \{4 \text{ caps}\} *1*$$

$$35+ \times 3 = 105 + 16 = 121 \quad \{4.5 \text{ caps}\} \text{ [with 5AP spare]}$$

80AP total. Vs 6DT

$$25+ \times 4 = 100 + 22 - 24 = 98 \quad \{4 \text{ caps}\}$$

$$35+ \times 3 = 105 + 16 - 18 = 103 \quad \{4.5 \text{ caps}\} *5* \text{ [with 10 to 20 AP spare]}$$

80AP total. Vs 10DT

$$25+ \times 4 = 100 + 22 - 40 = 82 \quad \{4 \text{ caps}\}$$

$$35+ \times 3 = 105 + 16 - 30 = 91 \quad \{4.5 \text{ caps}\} *9* \text{ [with 10 to 20 AP spare]}$$

100AP total.

$$25+ \times 5 = 125 + 27 = 152 \quad \{5 \text{ caps}\}$$

$$35+ \times 4 = 140 + 22 = 162 \quad \{6 \text{ caps}\} *10*$$

100AP total. Vs 6 DT

$$25+ \times 5 = 125 + 27 - 30 = 122$$

$$35+ \times 4 = 140 + 22 - 24 = 138 *16*$$

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Comparing the possible changes, I think that 34+ is a good choice.

With AGI 2-6 the Police Pistol is better against all targets, though DT reduces this lead.

With AGI 7-8 the .44 is much better for damage, though requires more expensive ammo and has a slightly higher STR Req.

With AGI 9-10 the Police Pistol is better Vs low DT, and the .44 is better Vs 6DT and higher.

On the other hand 35+ is a nicer number and results in the .44 being better Vs DT at all points (yet still worse Vs unarmoured). This seems fair due to the more expensive ammo the .44 requires, the higher Str Req to use it, and the increased cost of the weapon. Though these negatives are slight, the difference in damage is also slight (except at the narrow AGI 7-8 band, though the Police Pistol can make up for this since it has enough spare AP to make one of its shots Aimed). The Police Pistol also synergises with +DAM perks more.