















# CLASSIFICATIONS AND TESTING CONDITIONS OF BALLISTIC STANDARDS

|                           |                           |   |   | APPLICABLE TESTING CONDITIONS   |  |
|---------------------------|---------------------------|---|---|---|--|
| CLASS ACC. TO DIN EN 1522 | GLASS ACC. TO DIN EN 1063 | WEAPON TYPE   | CALIBER TYPE OF AMMUNITION  | Target<br>Witness plate<br>Indicator distance<br>Test temperature                         | 500±5 × 500±5 mm<br>0.02 mm aluminium foil (54 g/m <sup>2</sup> )<br>500±10 mm behind the plate<br>18±5 °C |
| FB1                       | BR1                       | <br>Smith & Wesson M&P 22 LR Handgun           | <br>.22 Long Rifle (LR)<br>L/RN        | Caliber<br>Bullet mass<br>Test range<br>Number of hits<br>Bullet velocity<br>Shot spacing | 5.6 × 15 mm<br>2.6±0,1 g<br>10±0.5 m<br>3<br>360±10 m/s<br>120±10 mm                                       |
| FB2                       | BR2                       | <br>Baretta 9 mm Parabellum Handgun            | <br>9 mm Luger<br>FJ/RN/SC             | Caliber<br>Bullet mass<br>Test range<br>Number of hits<br>Bullet velocity<br>Shot spacing | 9 × 19 mm<br>8.0±0.1 g<br>5±0.5 m<br>3<br>400±10 m/s<br>120±10 mm  |
| FB3                       | BR3                       | <br>Smith & Wesson .357 Magnum Handgun        | <br>.357 Magnum<br>FJ/CB/SC           | Caliber<br>Bullet mass<br>Test range<br>Number of hits<br>Bullet velocity<br>Shot spacing | 9 × 33 mm<br>10.2±0.1 g<br>5±0.5 m<br>3<br>430±10 m/s<br>120±10 mm   |
| FB4*                      |                           | <br>Colt .44 Magnum Handgun                  | <br>.44 Remington Magnum<br>FJ/FN/SC | Caliber<br>Bullet mass<br>Test range<br>Number of hits<br>Bullet velocity<br>Shot spacing | 10.9 × 33 mm<br>15.6±0.1 g<br>5±0.5 m<br>3<br>440±10 m/s<br>120±10 mm                                      |
| FB5                       | BR5                       | <br>Colt M16 (AR15 Semi), 5.56 NATO AP Rifle | <br>.223 Remington<br>FJ/PB/SCP1     | Caliber<br>Bullet mass<br>Test range<br>Number of hits<br>Bullet velocity<br>Shot spacing | 5.56 × 45 mm<br>4.0±0.1 g<br>10±0.5 m<br>3<br>950±10 m/s<br>120±10 mm                                      |
| FB6*                      |                           | <br>Heckler & Koch Model G3 7.62 NATO Rifle  | <br>.308 Winchester<br>FJ/PB/SC      | Caliber<br>Bullet mass<br>Test range<br>Number of hits<br>Bullet velocity<br>Shot spacing | 7.62 × 51 mm<br>9.5±0.1 g<br>10±0.5 m<br>3<br>830±10 m/s<br>120±10 mm                                      |
| <b>SHOTGUN</b>            |                           |   |   |   |  |
| FSG                       | SG2                       | <br>Benelli 12 GA Shotgun                    | <br>12 gauge slug<br>(Brenneke)      | Caliber<br>Bullet mass<br>Test range<br>Number of hits<br>Bullet velocity<br>Shot spacing | 12 × 70 mm<br>31.0±0.5 g<br>10±0.5 m<br>3<br>420±20 m/s<br>125±10 mm                                       |

L: lead | SC: soft core (lead) | SCP1: soft core (lead) with steel penetrator (type SS109) | HC1: steel hard core, mass 3.7±0.1 g, hardness greater than 63 HCR

FJ1: full metal (steel) jacket bullet, plated | FJ2: full metal (copper alloy) jacket bullet | RN: round nose bullet | CB: coned bullet | PB: pointed bullet | FN: flat nose bullet

\* To be classified as FB4 or FB6, the specimen has to be tested with the two calibers listed.