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Size Effect and Cylinder test on Several Commercial Explosives¹ LISA LAUDERBACH, KOU MOUA, RAUL GARZA, CLARK SOUERS, Lawrence Livermore National Laboratory — The size (diameter) effect and the Cylinder test results for ammonium nitrate/nitromethane, some ammonium nitrate/fuel oil mixes, Red Dot shotgun powder, Semtex 1A and Semtex H will be presented. A generalized detonation velocity format, valid for all detonation rates, will be discussed. A shot in cylindrical symmetry will be compared with the 1-D cylindrical size effect data.

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