

SAAMI TECHNICAL COMMITTEE MANUAL  
VOLUME VII, CENTERFIRE RIFLE

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FIRING-PIN  
SHAPE AND PROTRUSION

The Firing-pin shape in centerfire rifles should be approximately hemispherical and of a diameter between .060" (1.52) and .080 (2.03).

Sharp points and edges should be avoided since they will tend to either pierce or blank the primer material and cause gas leaks.

Protrusion of the firing-pin when firing a cartridge should be enough to fully indent the primer (as per the SAAMI indent procedure as shown in this section).

Clearance between the firing-pin and the firing-pin hole in the breech or frame should be sufficient to allow free operation of the firing-pin. Avoid excessive clearance, excessive hole edge break, or a sharp edge which may cause blanking and gas leakage and subsequent difficulty in opening or cocking in some action types.

NOTE: (XX.XX)= Millimeters