



Summary of IS 4296 (Part 3): 2015/ ISO 9181: 2007

Tools for Pressing (Part 3): Round Punches with 60° Conical Head and Reduced Shank

Round punches with a **60° conical head** and **reduced shank** are tools commonly used in pressing operations, primarily for **punching holes** in steel sheets, though they can also be used on other materials.

This Indian Standard specifies the **dimensions, surface roughness and tolerances**, for round punches with a 60° conical head and reduced shank, having **shank diameters of 2 mm or 3 mm**.

The choice of material is left to the manufacturer's discretion. The Standard gives examples of materials and hardness, and specifies the designation of punches.

A round punch with 60° conical head and reduced shank in accordance with this Standard shall be designated by the term "**Round punch with conical head**" followed by a reference to this Standard, its **Shank diameter, Point diameter** and **Length** in mm.