

IS 2028 - OPEN JAW WRENCHES (SPANNERS) — SPECIFICATION
(Summary)

Scope — This standard covers the requirements for forged open jaw (ended) wrenches (spanners) of torque series C and D of IS 6131.

Key Points

- a) **Dimensions** - It outlines the dimensions for
 - 1) Single-ended open jaw wrenches (Table 1).
 - 2) Double-ended open jaw wrenches for automobiles (Table 2).
 - 3) Alternate dimensions for general-purpose double-ended open jaw wrenches (Table 3).
 - 4) Engineers' double-headed open-ended wrenches for ISO series (Table 5).
 - 5) Tolerances on width across flats are to be maintained as per IS 2027.

- b) **Material** — Wrenches must be made from suitable steel conforming to IS 3748 and must meet specific hardness and torque requirements.

- c) **Hardness** — Wrenches should be hardened throughout, with hardness values measured as per IS 6131.

- d) **Workmanship and Finish** — The standard defines that the workmanship and finish quality, shall conform to IS 6131.

- e) **Sampling and Testing** — Sampling for compliance and torque testing methods are in accordance with IS 6131.

- f) **Designation** — Wrenches are designated based on type (single-ended or double-ended), purpose (general, automobile, or engineers), torque series (C or D), nominal width across flats, and the standard number.

- g) **Tables** — The document contains detailed dimensional tables for different types of wrenches, providing maximum and minimum dimensions for various wrench sizes.