

Changes in IS 733:2025 (Revised)

1. One single comprehensive standard (Major change)

Earlier

IS 733:1983 → Bars, rods & solid sections

IS 1285:2023 → Extruded round tubes & hollow sections

Now

IS 733:2025 covers ALL extruded aluminium products, including:

(Bars, Rods, Solid sections (regular & irregular), Extruded round tubes, Extruded tubes (non-round), Hollow sections, Profiles)

Expanded scope – “Profiles” added (New concept): Any extruded shape **not fitting** into bar/rod/tube/hollow definitions.

2. International alloy designations introduced

Earlier: Mostly Indian alloy designations

Now: International (AA/ISO-type) alloy designations added ((Annex B)

3. Chemical composition tables greatly expanded

Earlier: IS 1285 referred to IS 733 for chemistry (Limited alloy coverage)

Now: IS 733:2025 directly contains:

1000 to 7000 series alloys

High-purity aluminium grades

Customer/industry-specific alloys

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4. Mechanical properties consolidated & clarified

Clearly mentioned: If a temper or product is not listed → values by **mutual agreement**.

6. Dimensions & tolerances made flexible

Earlier: Strict dependence on: (IS 3965, IS 2673, IS 6477)

Now: Still references these standards, BUT: New shapes/dimensions allowed (If not covered: tolerances can be mutually agreed)