

What Collapse Pressure Means For Casing

In casing design, collapse pressure focuses on the pressure acting from the outside of the casing toward the inside. When this external load is too high, the casing body may lose roundness first, then deform inward, and finally collapse.

Term	Buyer-Friendly Meaning	Why It Matters
Collapse pressure	Maximum external pressure the casing can resist before collapse risk becomes critical	Helps decide whether regular casing is enough or High Collapse Casing is needed
External collapse pressure	Pressure acting from formation, mud column, cementing condition, or salt creep onto the casing body	Main pressure source that may deform the casing inward
Collapse resistance	The casing's ability to resist external pressure without failure	Depends on grade, wall thickness, ovality, heat treatment and pipe-body control
Collapse rating	The rated collapse performance used for casing selection	Should be clearly specified in the RFQ or technical order

A casing order should not only state "P110 casing" or "Q125 casing." For high-risk wells, the required **collapse rating** should be confirmed together with OD, weight, wall thickness, connection type and inspection documents.