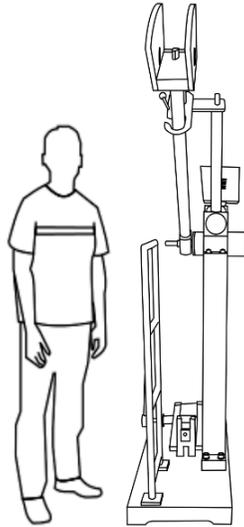


IZOD IMPACT TEST

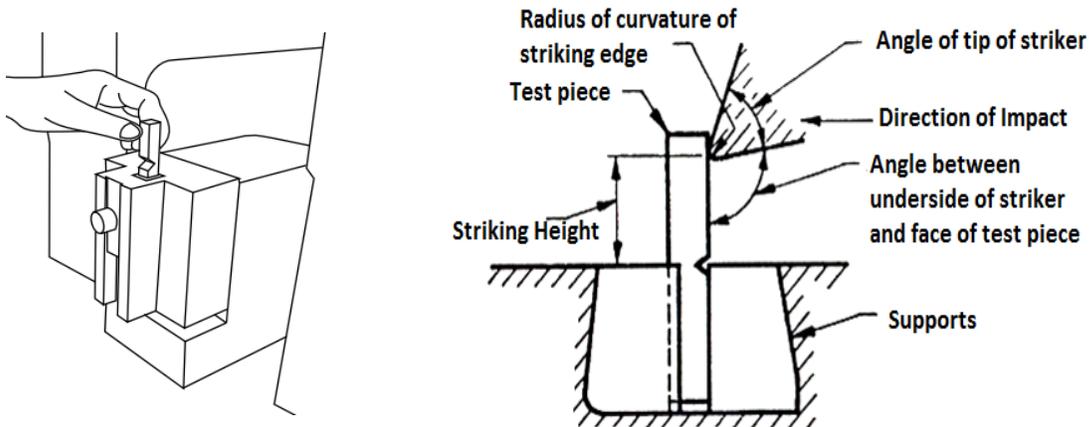
Material: Mild steel

OBJECTIVE: To find the impact resistance of mild steel

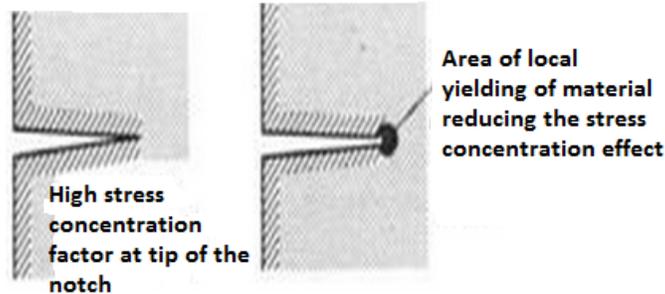


Izod test specimen and its position in the anvil

[Source: IS:3766-1977, Method for calibration of pendulum impact testing machines for testing metals, First Revision,1978]

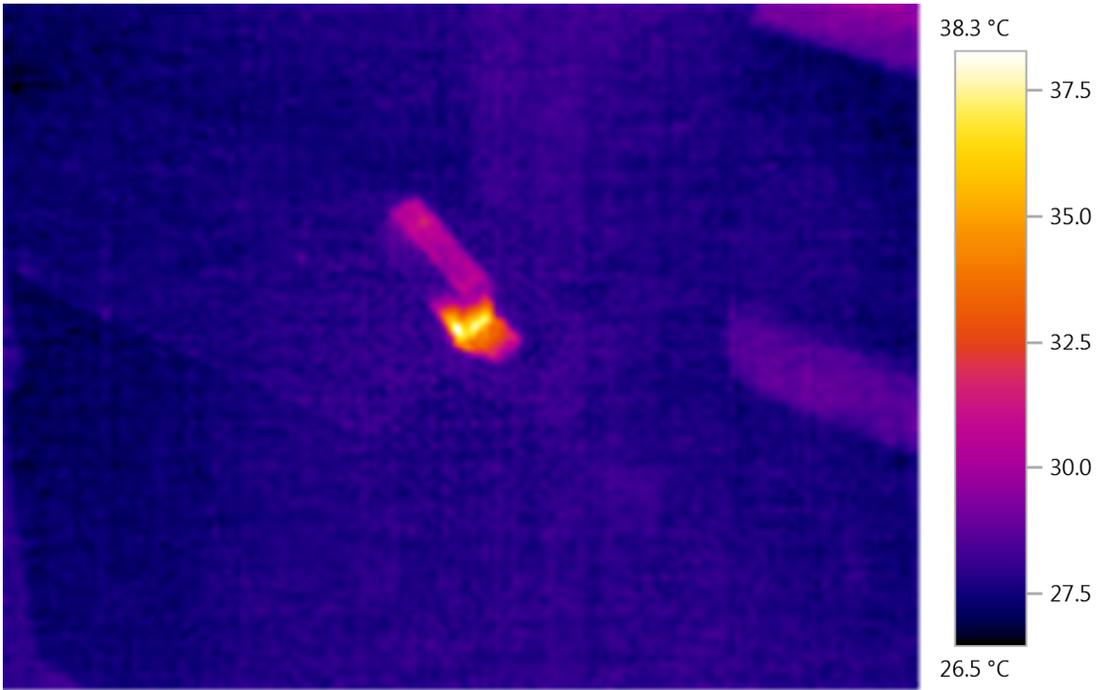


Very high stresses at the end of the crack produce local yielding of the material and local plastic flow at the crack tip. This has a action of blunting the sharp tip of the crack



Source :. Hearn E.J., Mechanics of Materials, Volume 1,1997

Relevant IS Code : Method for Izod impact test of metals IS 1598:1977 (first revision)



Thermal Image of Mild steel Sample after 2 secs of failure