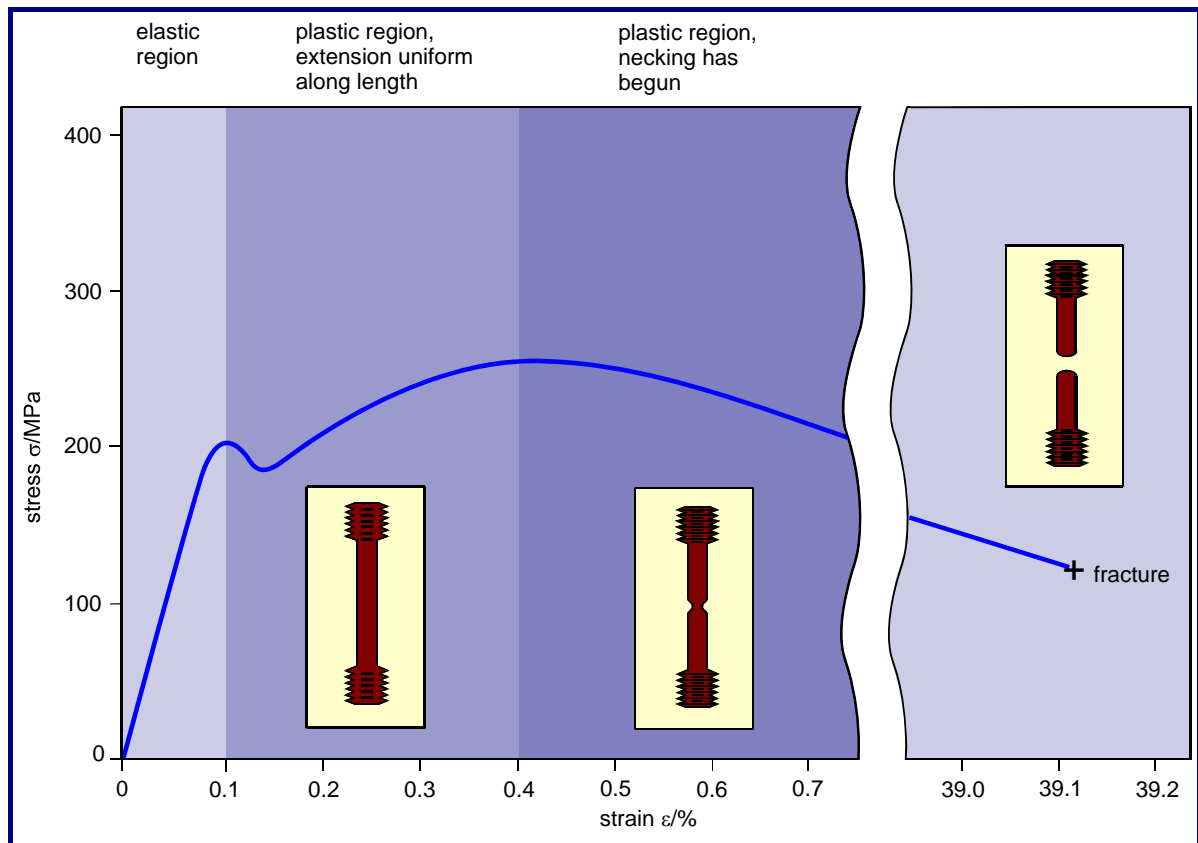


TAP 228- 5: Stress–strain graph for mild steel

The graph shows how the behaviour of steel changes as the stress increases.



Practical advice

This version could have information added during discussion, for example: -

Mild steel showing elastic behaviour for small extensions, (Hooke's law region), elastic limit, size of strain when fractures (about 40%)

Alternative approaches

The students could have a hard copy of the graph and add the captions for revision of interpreting stress–strain graphs

External references

This activity is taken from Advancing Physics Chapter 4, 600