

Yoke (Magnetic Frame) I

Key Points

- Function: Serves as the outer protecting cover for the machine and carries the magnetic flux produced by the poles.
- Material for small machines: Cast iron due to lower cost and sufficient mechanical strength.
- Material for large machines: Cast steel or rolled steel to handle higher flux densities and provide greater mechanical strength.
- Its cross-sectional area must be sufficient to carry half the flux per pole ($\Phi/2$).