

ENGINEERING GRAPHICS

Topic: **Line Types**

<https://www.youtube.com/watch?v=yk2SynF31cs>

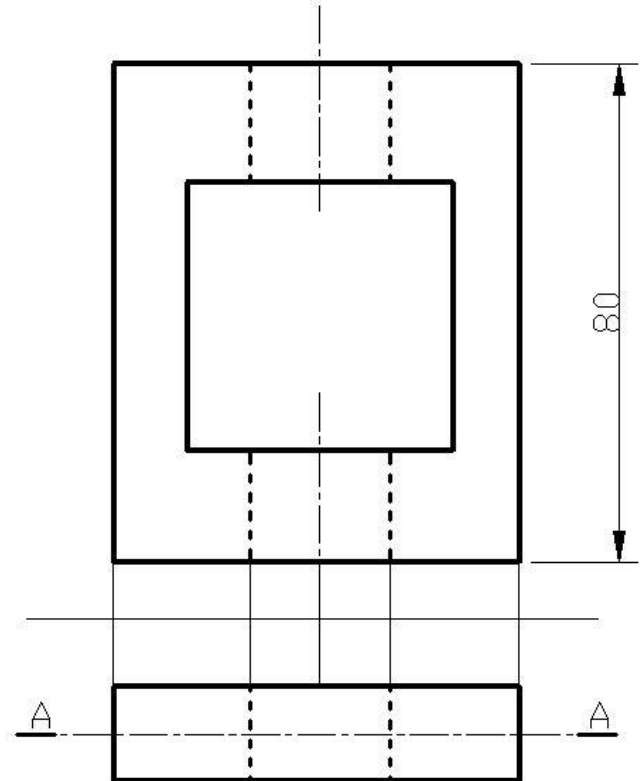
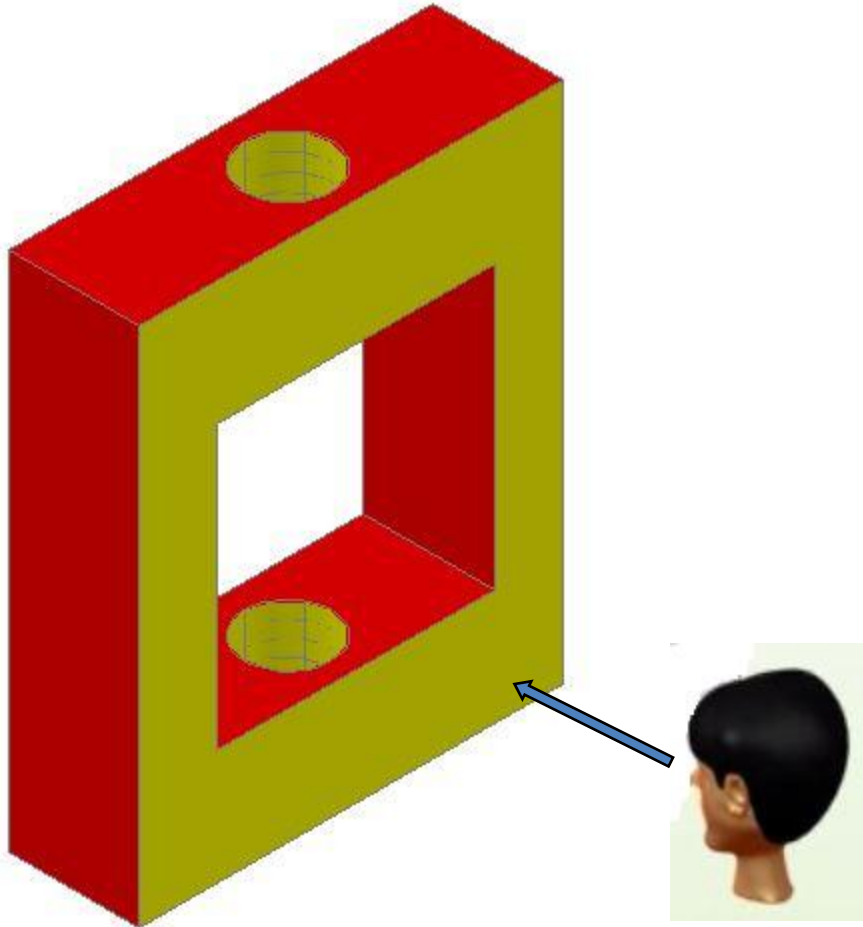
https://www.youtube.com/watch?v=_3MAQPhuSn8

Introduction to Lines

LINES

Lines are like the alphabet of a drawing language. Each line in a drawing is used in a specific sense.

Introduction to Lines



Introduction to Lines

Types of Lines

Lines differ from each other in two respects:

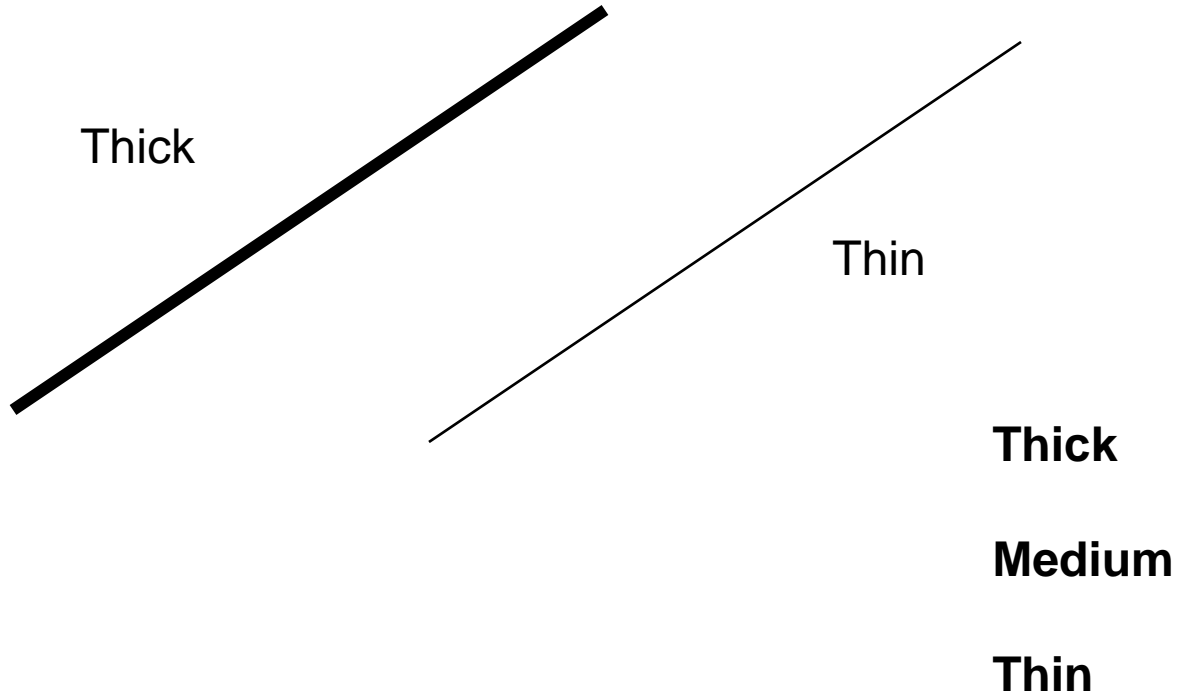
a) Their thickness or weight

eg:- Thick, medium & thin.

b) Their Shape or construction depending upon their conventional use.

Introduction to Lines

a) Weight or Thickness



Introduction to Lines

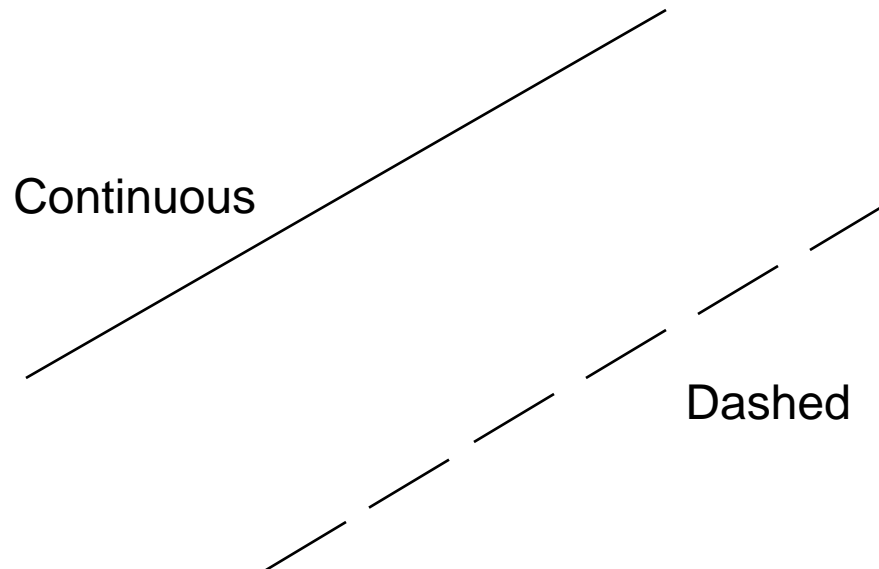
Thin – 0.1 mm thick

Medium – 1.5 X 0.1


Thick – 3 X 0.1

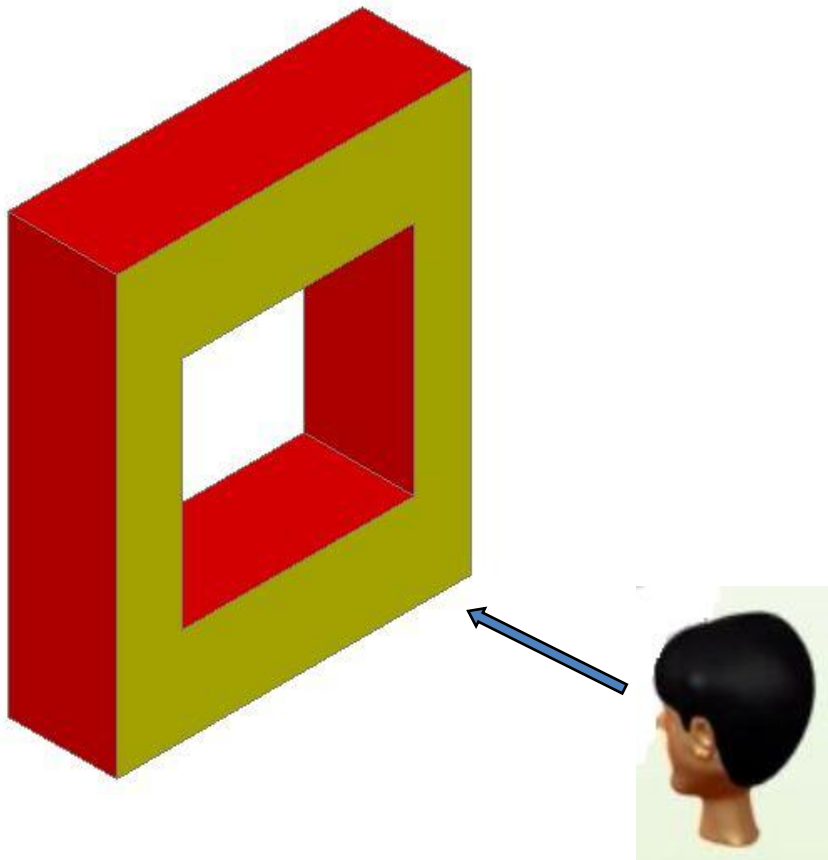
Introduction to Lines

b) Construction




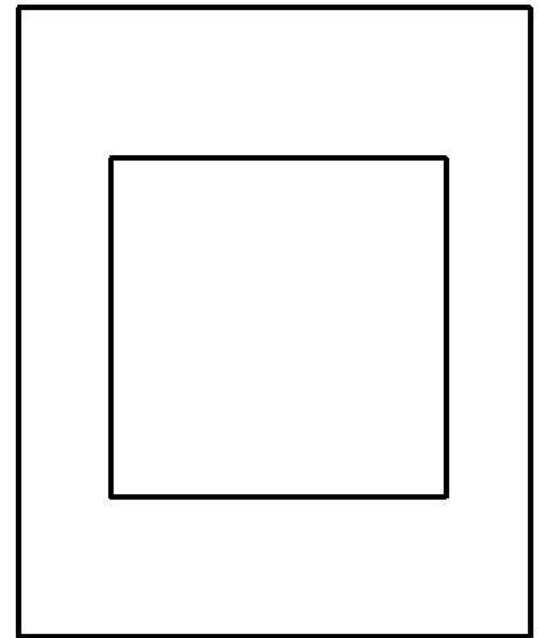
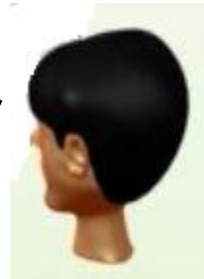
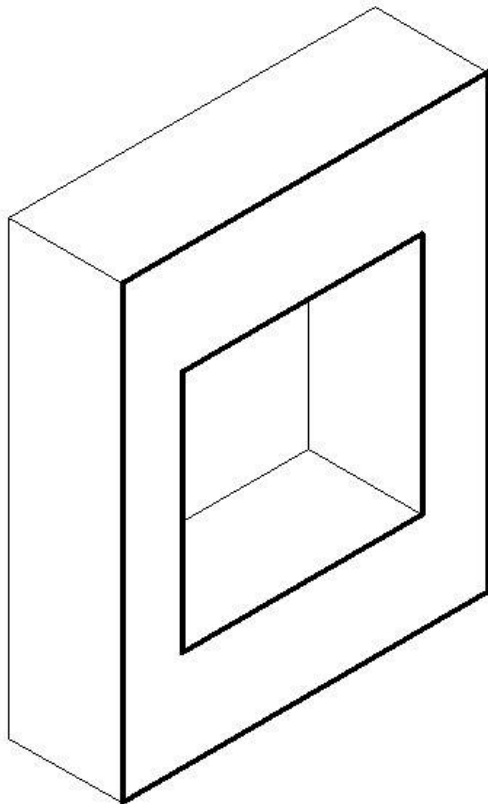
Line Types

Sr.	Line Type	Construction	Weight	Applications
1.	Continuous Thick Line		Thick	Visible Outlines Object Lines




Line Types

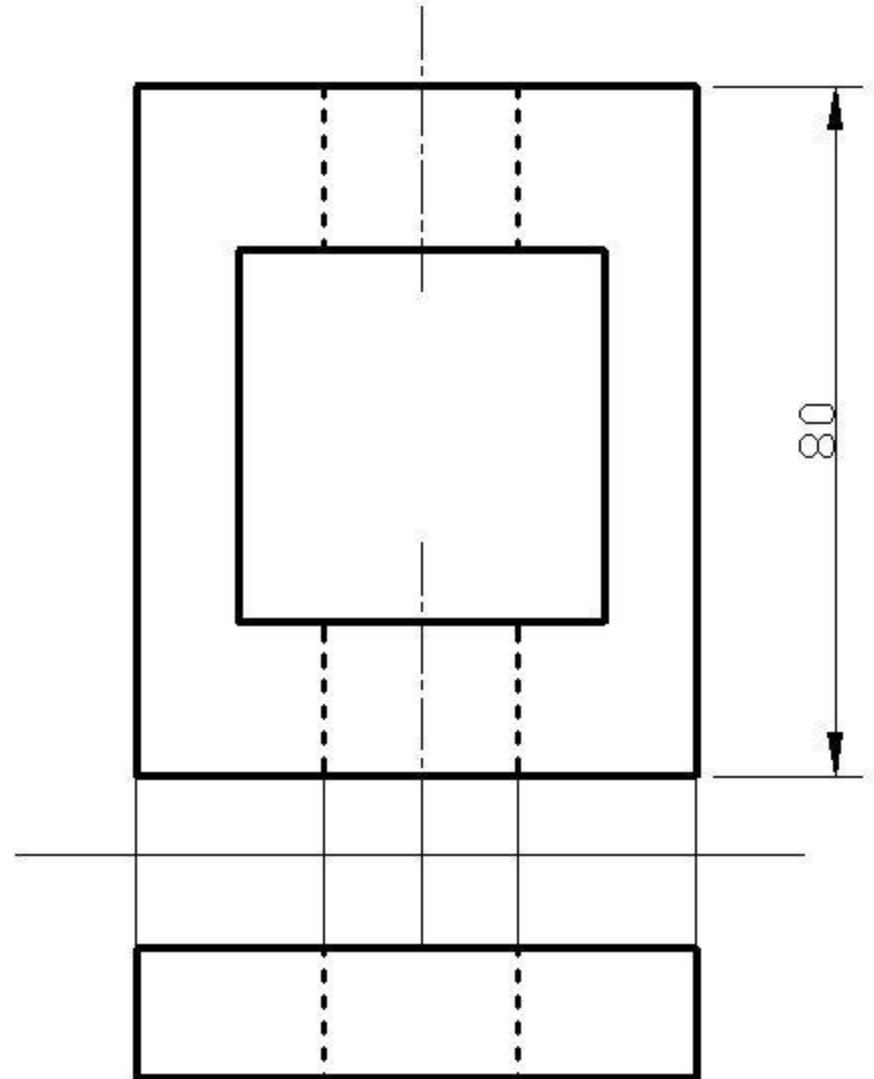
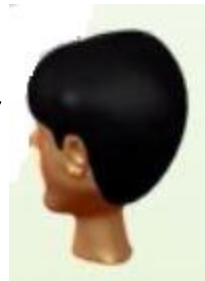
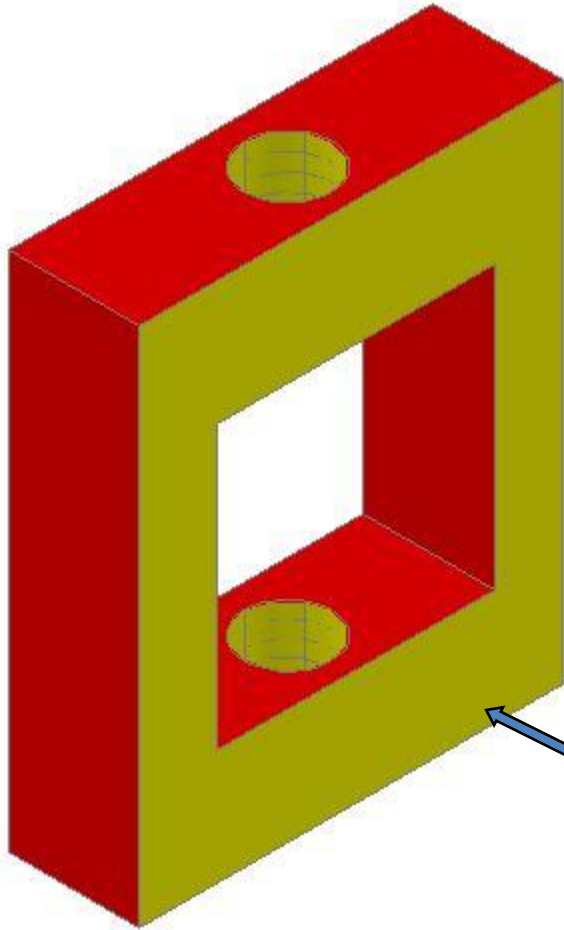
Sr.	Line Type	Construction	Weight	Applications
1.	Continuous Thick Line		Thick	Visible Outlines Object Lines




Line Types

Sr.	Line Type	Construction	Weight	Applications
2.	Continuous Thin Line		Thin	Projection Lines Dimension Lines Extension Lines Section Lines Leader Lines

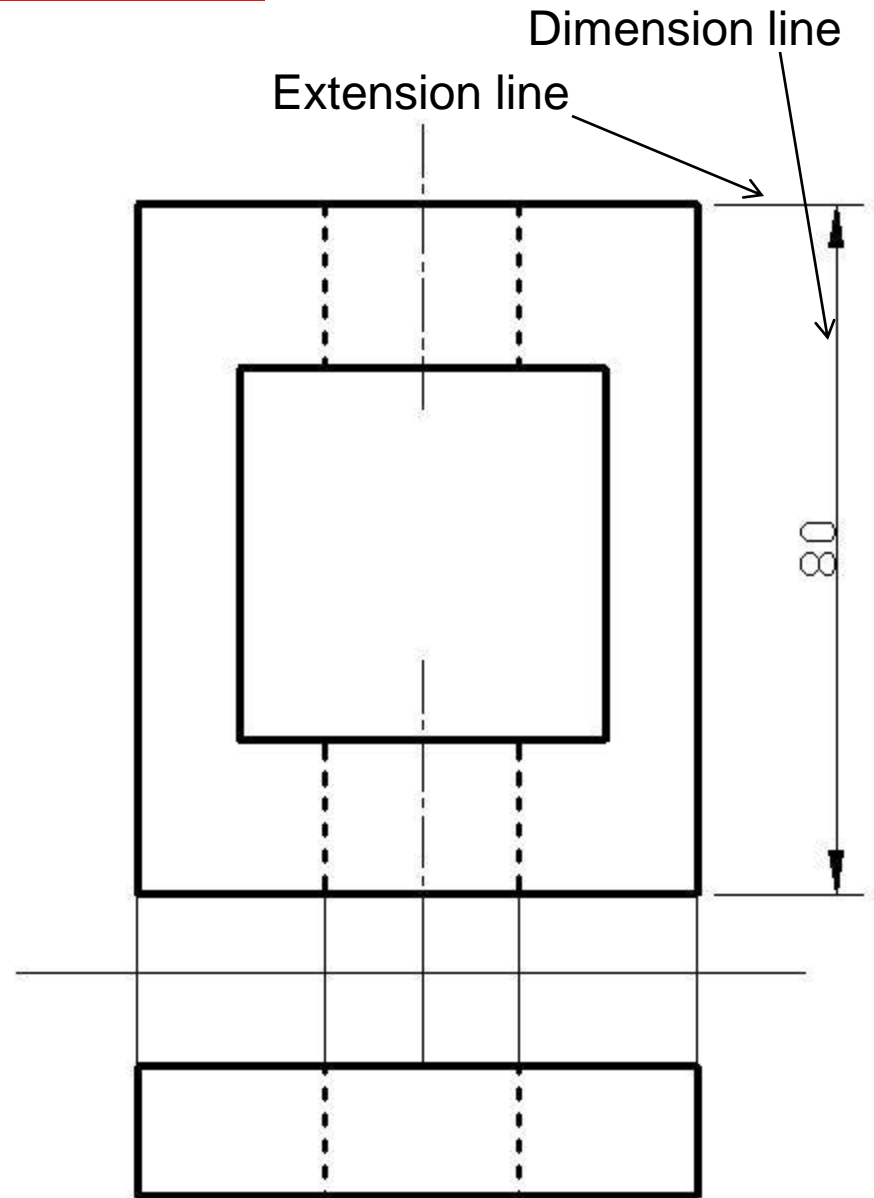
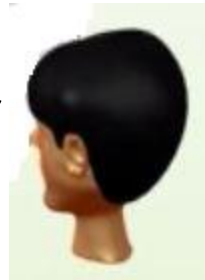
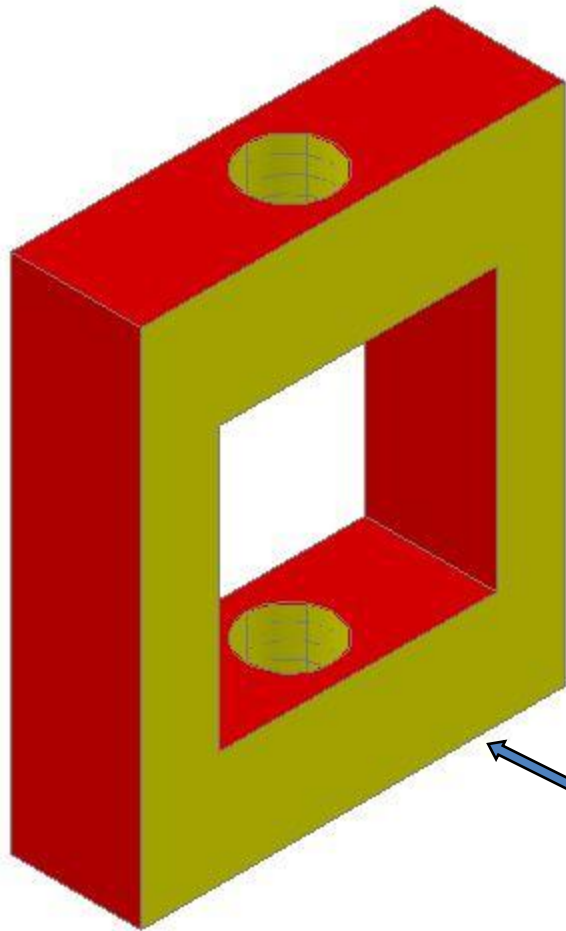
Line Types




Line Types

Sr.	Line Type	Construction	Weight	Applications
2.	Continuous Thin Line		Thin	Projection Lines Dimension Lines Extension Lines Section Lines Leader Lines

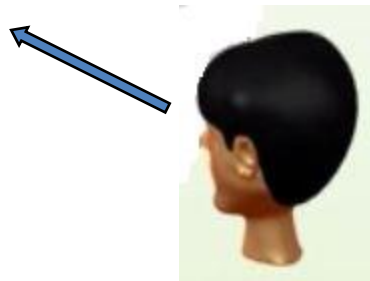
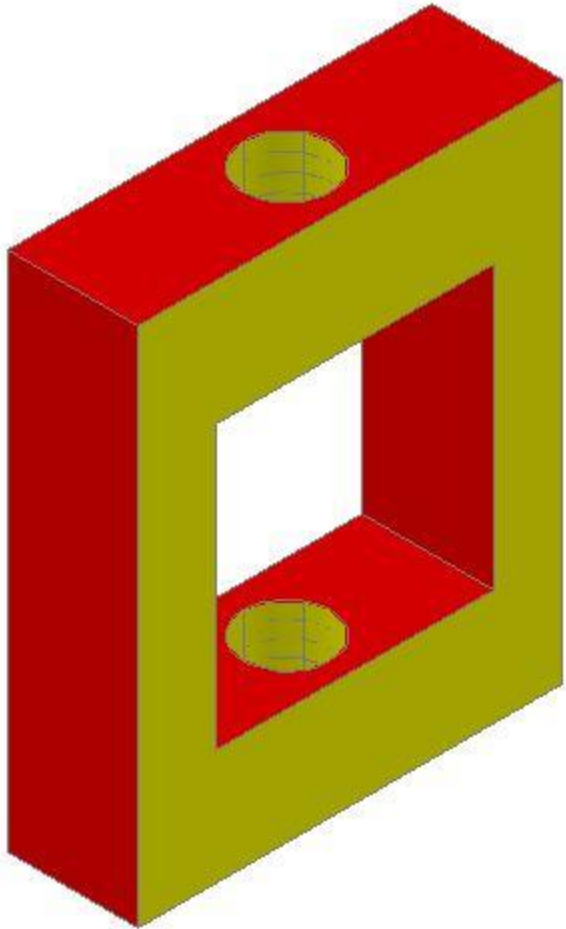
Line Types



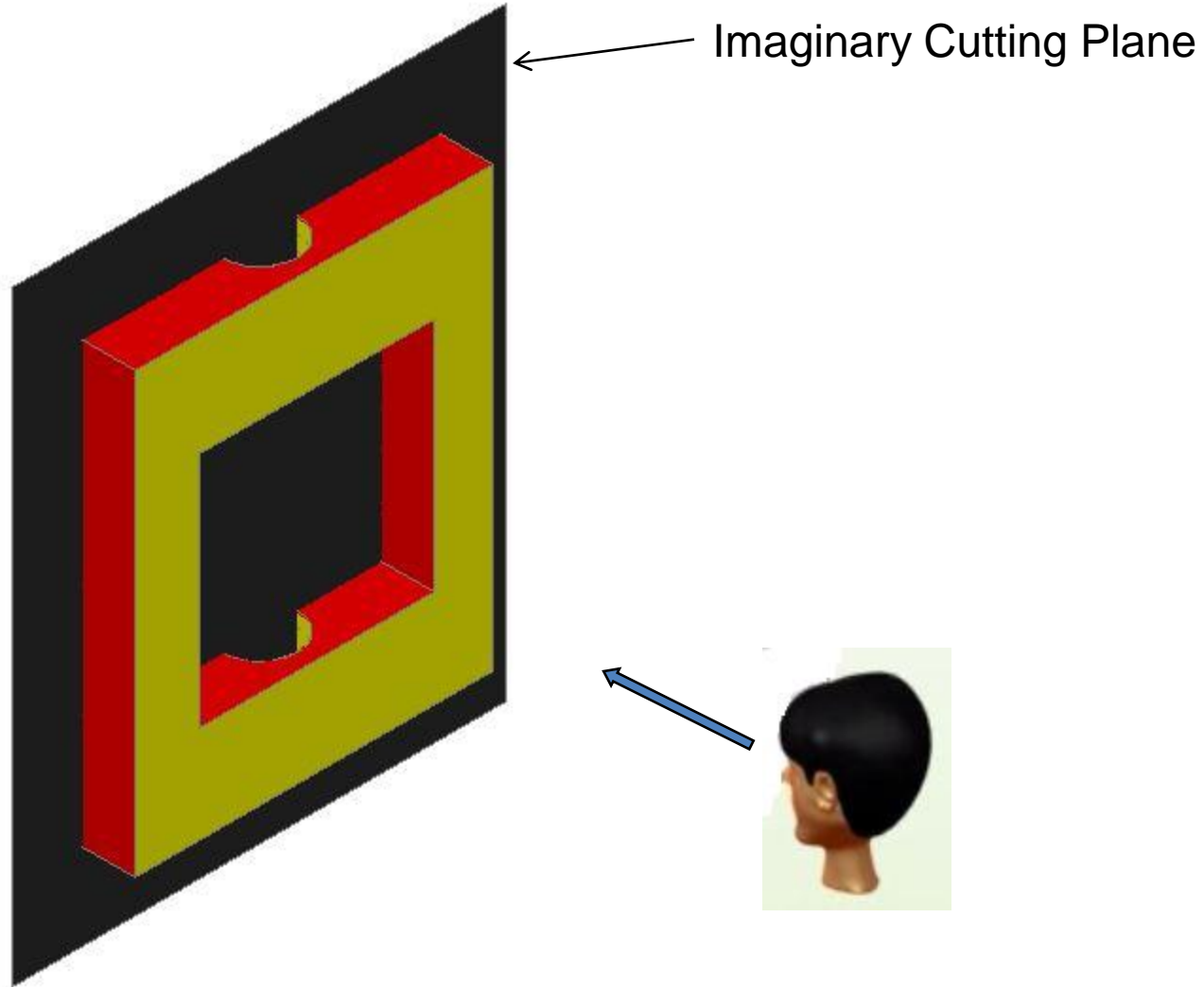
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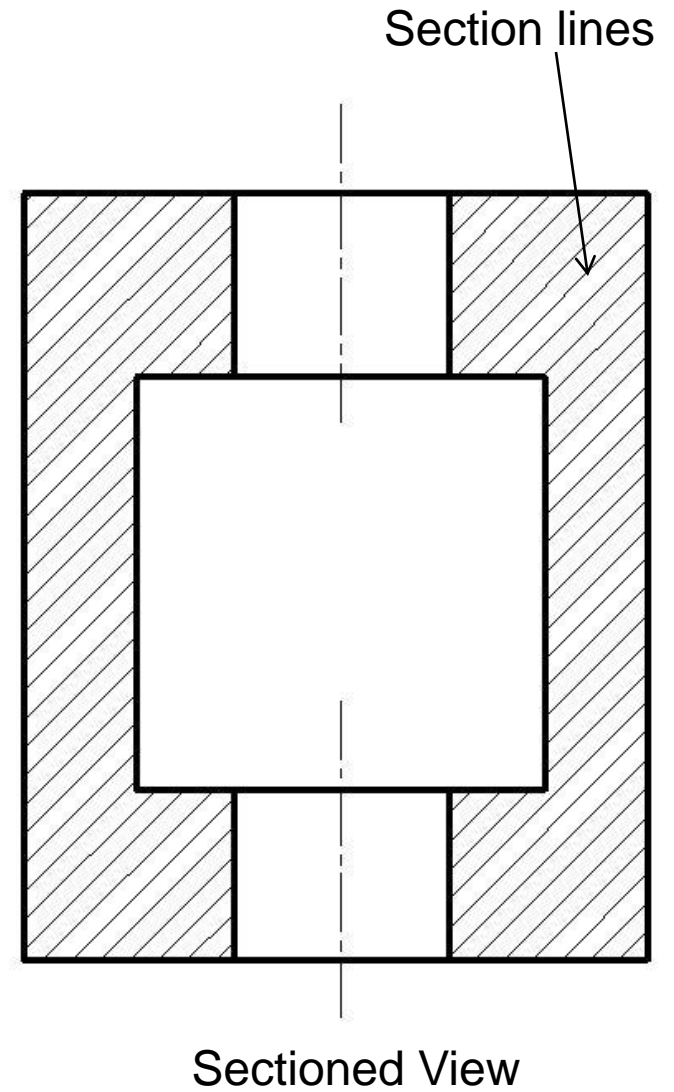
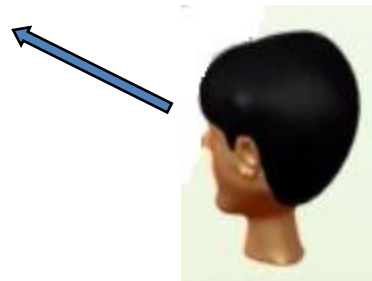
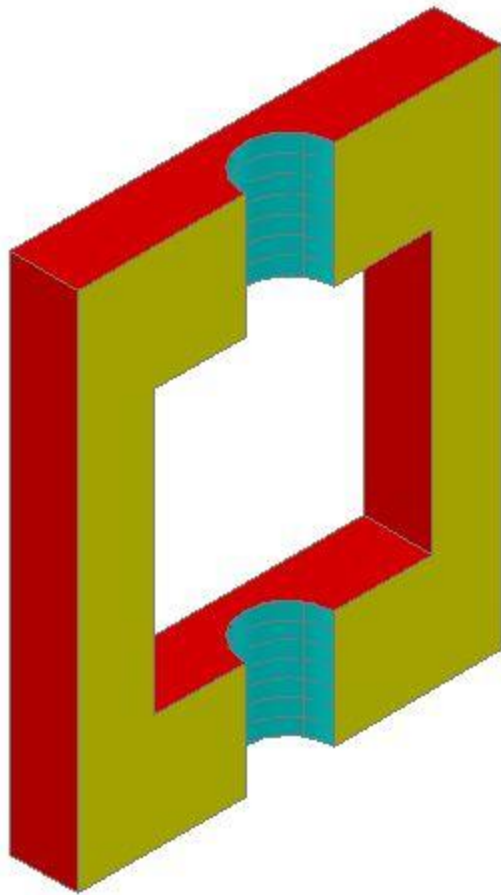
Line Types




Line Types



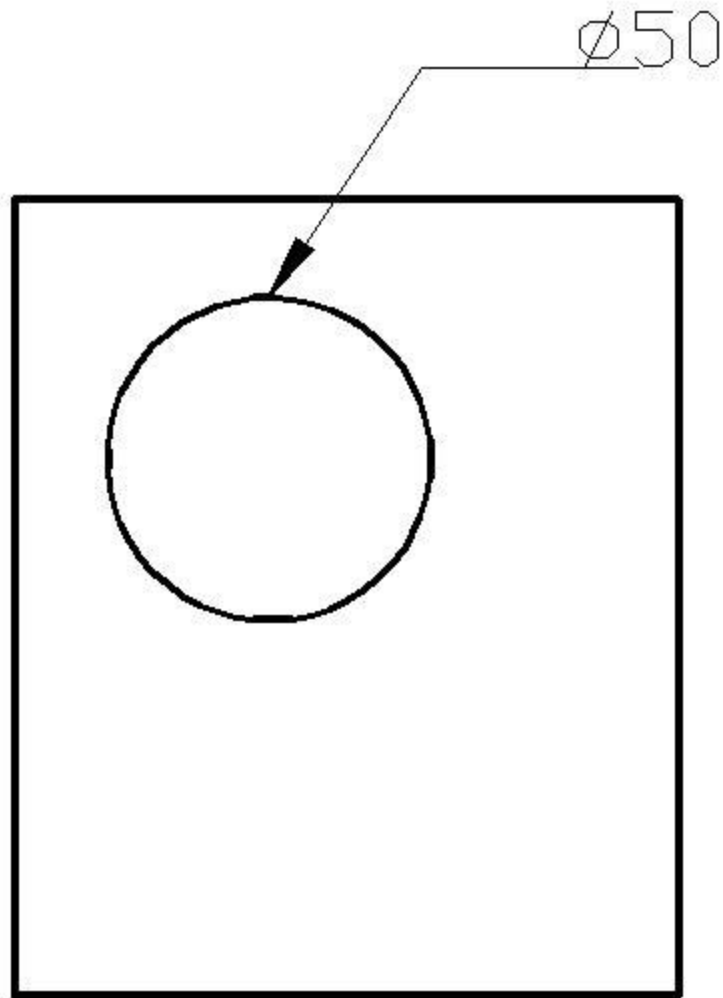
Line Types



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Line Types

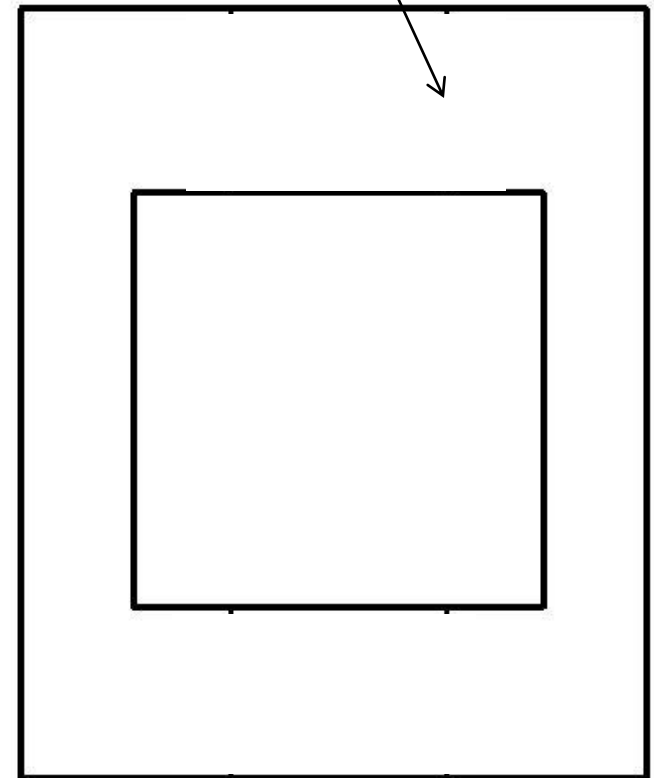
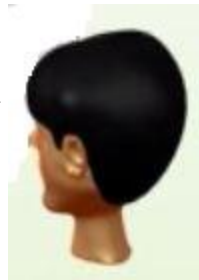
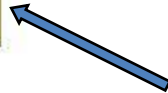
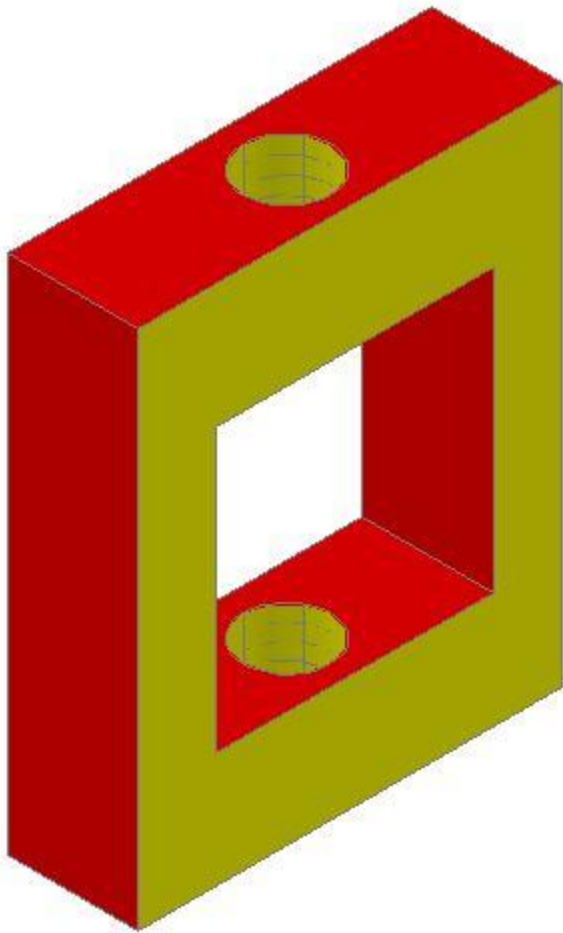


Line Types

Sr.	Line Type	Construction	Weight	Applications
3.	Dashed Medium Line	-----	Medium	Hidden lines

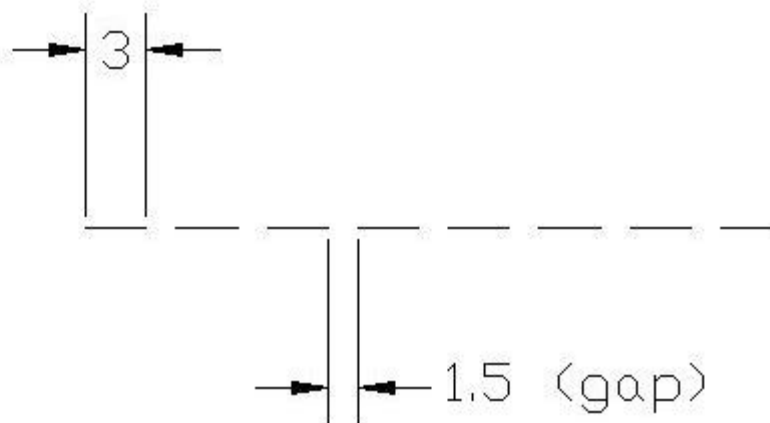
Line Types

Hidden lines




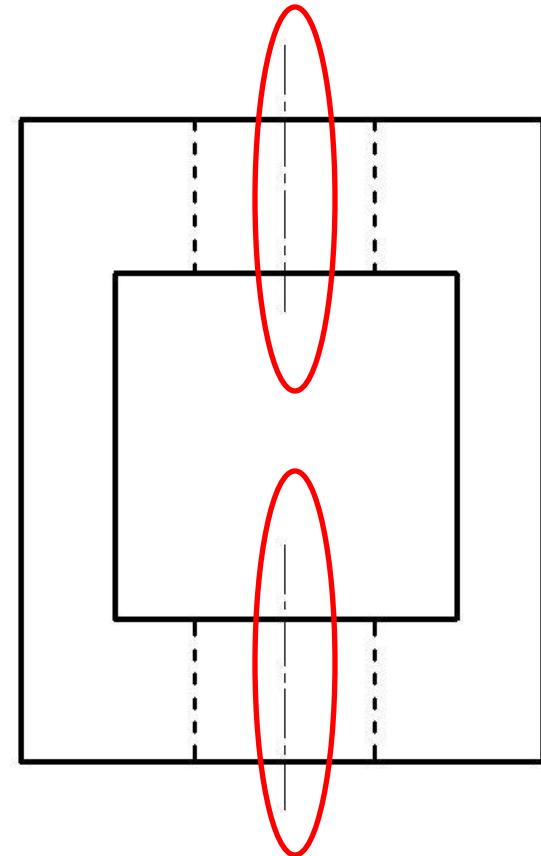
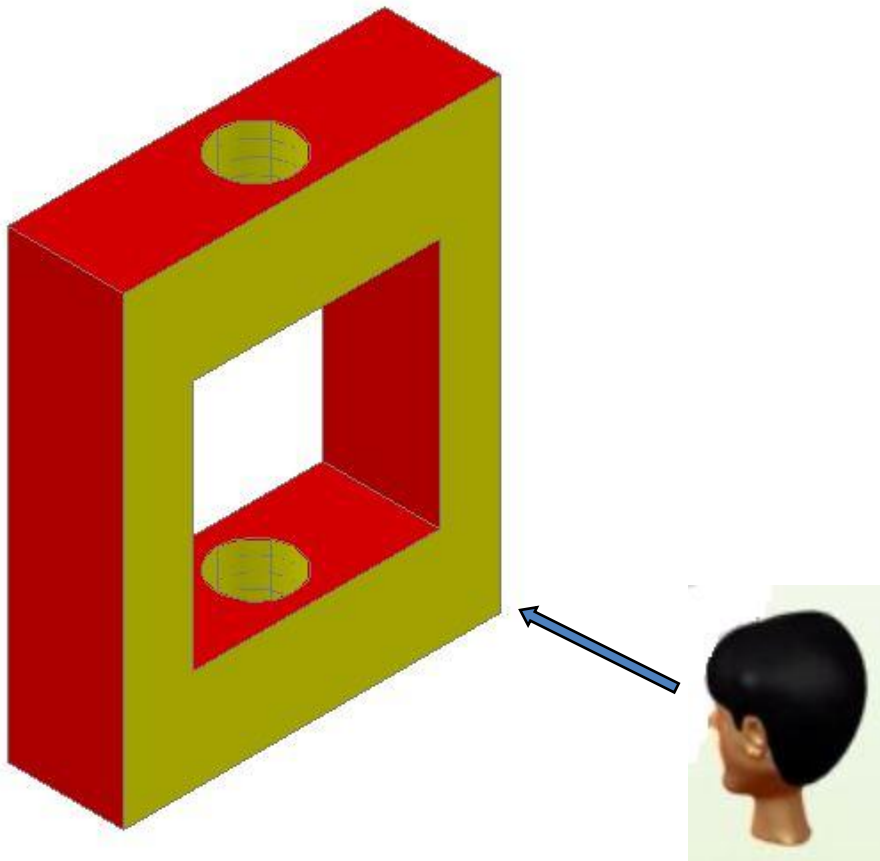
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Sr.	Line Type	Construction	Weight	Applications
3.	Dashed Medium Line	-----	Medium	Hidden lines




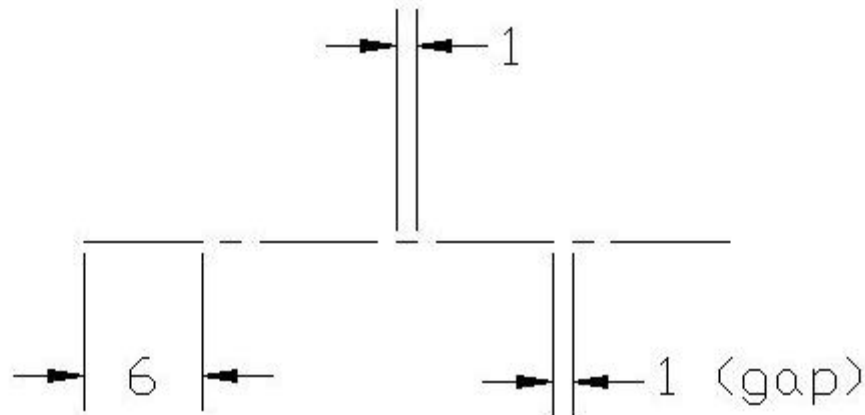
Line Types

Sr.	Line Type	Construction	Weight	Applications
4.	Chain Thin		Thin	Center lines




Line Types

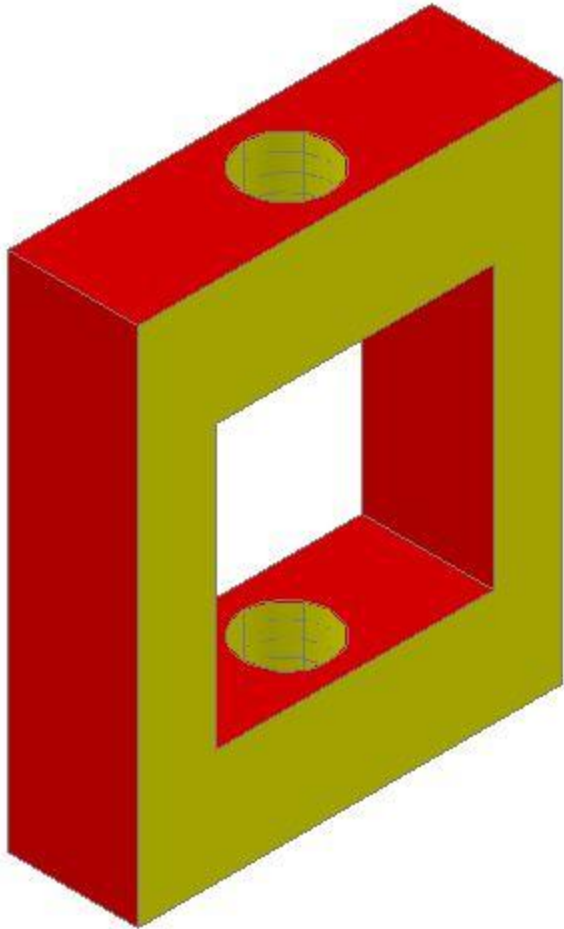
Sr.	Line Type	Construction	Weight	Applications
4.	Chain Thin		Thin	Center lines



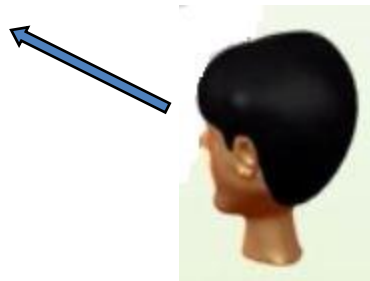
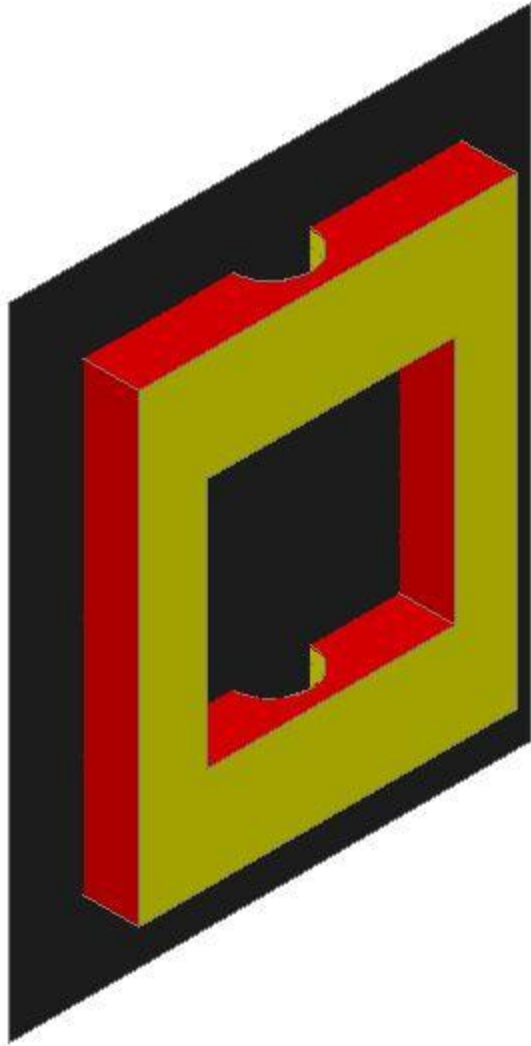
Line Types

Sr.	Line Type	Construction	Weight	Applications
5.	Chain Thin, Thick at ends		Thin	Cutting Plane lines

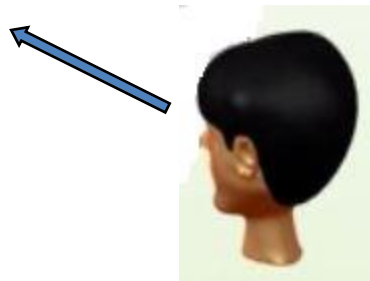
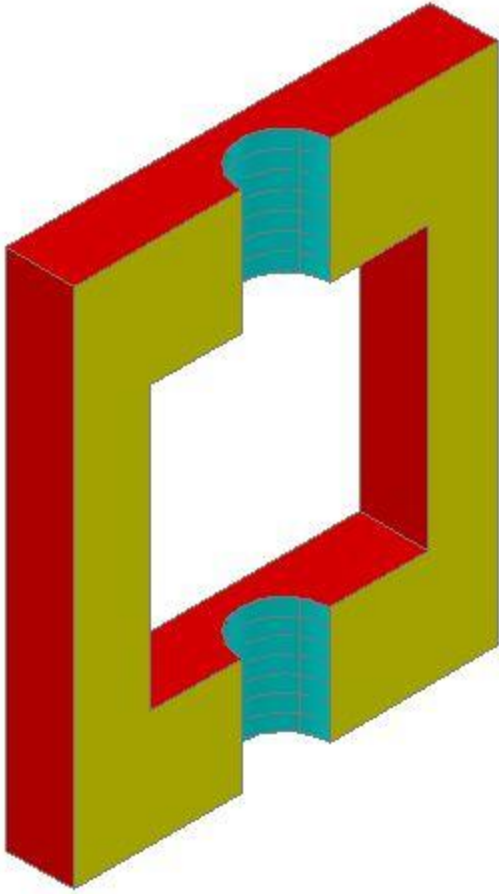
Line Types



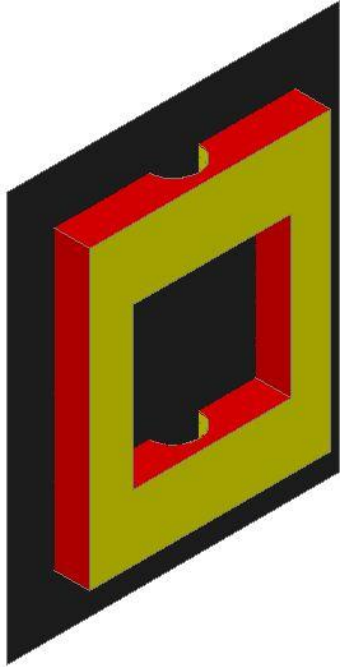
Line Types



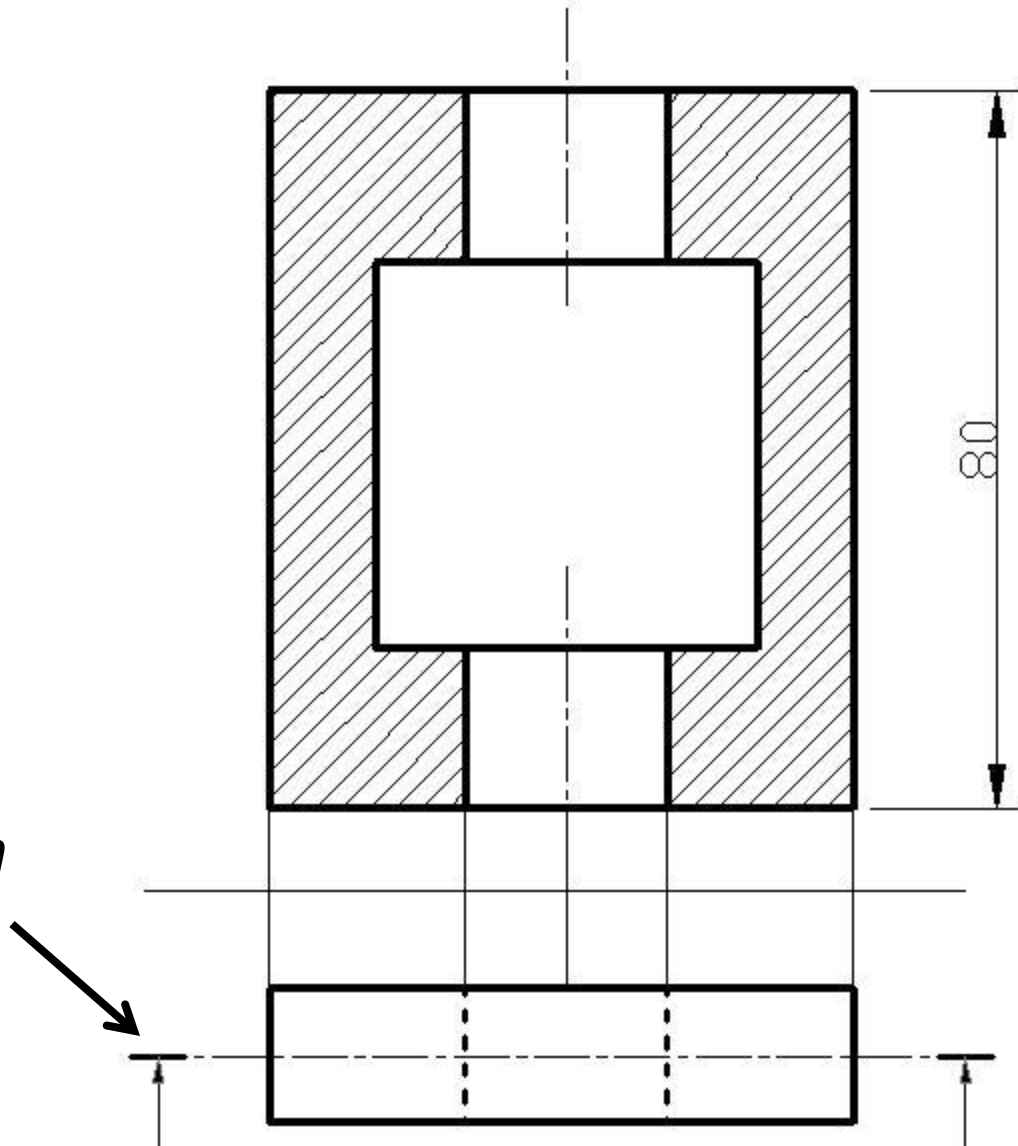
Line Types




Line Types



Indicate the *path*
of cutting plane.



Line Types

Sr.	Line Type	Construction	Weight	Applications
6.	Long Dashed Double Dotted (Phantom)		Thin	Locus Lines

Thanks