

Abbreviations, Notations and Symbols

2D Two-dimensional
3D Three-dimensional
A.G.P. Auxiliary Ground Plane
A.I.P. Auxiliary Inclined Plane
ALU Arithmetic Logic Unit
AV Axis of Vision
A.V.P. Auxiliary Vertical Plane
BIOS Basic input/output system
B.I.S. Bureau of Indian Standards
CAAD Computer Aided Architectural Design
CAD Computer Aided Drafting
CADD Computer Aided Drafting and Design
CAID Computer Aided Industrial Design
CL Centre Line
CP Central Plane
CPU Central Processing Unit
CU Control Unit
F.V. Front View
GL Ground Line
GP Ground Plane
HL Horizon Line
H.P. Horizontal Plane
HP Horizon Plane
H.T. Horizontal Trace
IS Indian Standards
ISO International Standards Organization
LC Least Count
L_s Length of Scale
M.S.D. Main Scale Division

P.P. Profile Plane
PP Picture Plane
RAM Random-Access Memory
ROM Read-Only Memory
R.F. Representative Fraction
SP Station point
S.V. Side View
T.S. True Shape
TL True Length
T.V. Top View
UCS User Coordinate System
V.P. Vertical Plane
V.S.D. Vernier Scale Division
V.T. Vertical Trace
WCS World Coordinate System

Abbreviations and Symbols used in dimensioning

ϕ Diameter of circle
R Radius of circle
 $S\phi$ Diameter of sphere
SR Radius of sphere
 \square Side of square
HEX Side of regular hexagon

Abbreviations for units of length.

km kilometer
Hm hectometer
Dm or dam decameter
m meter

dm decimeter
cm centimeter
mm millimeter
mi mile
fur furlong
ch chain
yd yard
ft foot
in inch

Symbols

α Apparent inclination of line or element with the H.P.
 β Apparent inclination of line or element with the V.P.

θ True inclination of line or element of plane/solid with the H.P.
 ϕ True inclination of line or element of plane/solid with the V.P.
e Eccentricity of conic sections

Notations

a, b, c Top views of points A, B, C
 a, b, c Front views of points A, B, C
 a, b, c Side views of points A, B, C
 h Horizontal trace
 h Front view of Horizontal Trace
 o Origin or centre point
 v Top view of vertical trace
 v Vertical trace
 xy, x_1y_1, x_2y_2 Reference lines