

CAD Standard for project *Core Site*

April 1, 2010

Computer-aided design drawings standard settings for web access.

Drawing format AutoCAD DWG & DXF (Version 2000 compatibility)

File naming convention cad_productfamily_model_series_xdimensions.extension

cad_It_3202wr_2d.dwg / cad_panaray_402_s2_3d.dxf

Layering Specifications

Layer name	Description	Plot	Color	Linetype	Lineweight
"0"	Empty (system)	Yes	7 (White)	"Continuous"	0.005 mm.
"DEFPOINTS"	Dimension anchors layer (system)	No	7 (White)	"Continuous"	0.005 mm.
"ES-DEVICE"	All product features	Yes	1 (Red)	"Continuous"	0.250 mm.
"ES-DIMENSION"	Dual unit dimension elements	Yes	7 (White)	"Continuous"	0.005 mm.
"ES-TEXT"	Any descriptive text	Yes	5 (Blue)	"Continuous"	0.005 mm.
"ES-VIEW"	Paper space views (current @ save)	Yes	7 (White)	"Continuous"	0.500 mm.

Line Type Specifications

Name	Appearance	Construction
*CENTER	_____	[A,1.25,-.25,.25,-.25]
*CENTER2	_____	[A,.75,-.125,.125,-.125]
*CENTERX2	_____	[A,2.5,-.5,.5,-.5]
*DASHED	_____	[A,.5,-.25]
*DASHED2	_____	[A,.25,-.125]
*DASHDX2	_____	[A,1.0,-.5]
*HIDDEN	_____	[A,.25,-.125]
*HIDDEN2	_____	[A,.125,-.0625]
*HIDDENX2	_____	[A,.5,-.25]

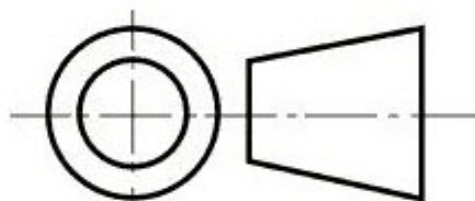
Text Style "txt.shx" and "Universal Math BT" fonts as needed for unique technical symbols. Avoid the use of additional true type fonts.

Scale 1:1 in Model space / no paper space definitions are necessary.

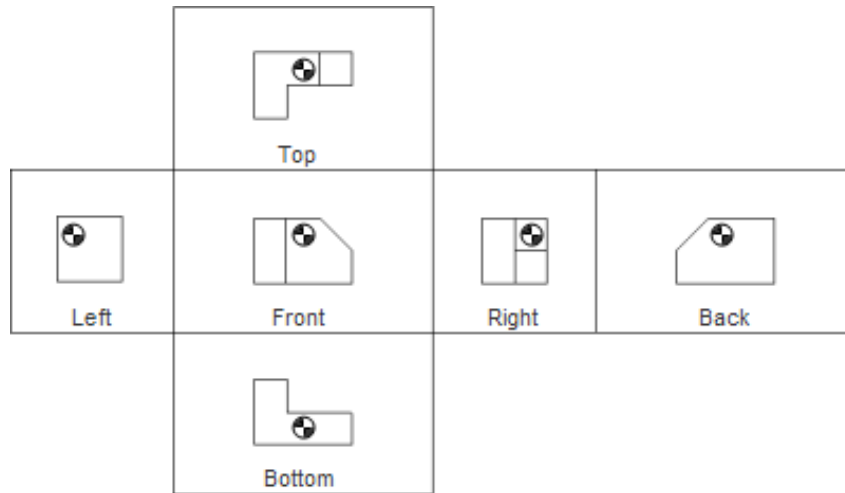
Unit Decimal inches (primary 0.000), Metric millimeters (secondary 0.00).

Dimension 2D Dimension standard import file available from this link.
3D drawings are dimensionless.
All drawings created after 2009 must contain a Center of Gravity datum.
All dimension text shall be in CAPITAL LETTERS.

2D Specifics Third angle projection



2D Specifics Six standard orthographic views



3D Specifics

Outer enclosure of 3D Polylines / 3D faces to facilitate hidden line removal. Interior parts or features should be removed to reduce object complexity. Center of gravity block is only remaining interior feature desired. Single layer in Model space is sufficient.

Include input panel details and suspension/mounting points & thread depth.

AutoCAD

Specific Variables

- Isolines = 0
- Dispsilh = 1

Coordinates

- 0,0,0 is positioned on front center baffle face, directly behind logo.
- If center of gravity is provided, this point becomes the 0,0,0 point.
- Cabinet orientation with grill and logo facing zero degrees.
- SE Isometric View and hide lines active for final saved view.

