

Content

Chapter 1 Introduction

About BtoCAD and Other CAD Software	2
Using AutoCAD legacy drawings	2
Using AutoCAD commands with BtoCAD	3
Comparing BtoCAD and CAD to manual drafting	4

Chapter 2 Getting started

System requirements	6
Installing BtoCAD	6
Starting BtoCAD	6
Working in BtoCAD	7

Chapter 3 Working with drawings

Creating a new drawing	18
Setting up a drawing	21
Setting the text height	30
Working with colors	32
Setting and changing the grid and snap alignment	40
Using the Draw Orthogonal option	44
Using entity snaps	45
Saving your drawing	53

Chapter 4 Creating simple entities

Drawing lines	56
Drawing circles	57
Drawing arcs	58
Drawing ellipses	61
Drawing elliptical arcs	62

Creating point entities	63
Drawing rays	64
Drawing infinite lines.....	65

Chapter 5 Creating complex entities

Drawing rectangles	70
Drawing polygons.....	71
Drawing polylines.....	72
Drawing splines.....	74
Drawing a closed spline.....	75
Drawing donuts.....	76
Drawing wipeouts.....	77
Creating boundary polylines	79
Adding hatching	82

Chapter 6 Viewing your drawing

Redrawing and regenerating a drawing	90
Moving around within a drawing	90
Changing the magnification of your drawing	92
Displaying multiple views	96
Controlling visual elements.....	100

Chapter 7 Working with coordinates

Using Cartesian coordinates	104
Using three-dimensional coordinates.....	111
Polar.....	118
Object snap trace.....	118

Chapter 8 Working with the BtoCAD Explorer

Using the BtoCAD Explorer	120
Organizing information on layers.....	124
Controlling layer printing	131

Working with linetypes	135
Working with text fonts and styles.....	143
Working with coordinate systems	147
Using named views	149
Working with blocks and external references	152
Working with dimension styles.....	157

Chapter 9 Getting drawing information

Specifying measurements and divisions	160
Calculating areas.....	162
Calculating distances and angles	166
Displaying information about your drawing	167
Tracking time spent working on a drawing.....	169

Chapter 10 Modifying entities

Selecting entities.....	172
Modifying the properties of entities	177
Deleting entities	179
Copying entities.....	179
Rearranging entities	185
Breaking and joining entities	195
Editing polylines	202
Exploding entities	207
Chamfering and filleting entities.....	207

Chapter 11 Working with text

Creating line text	216
Creating paragraph text.....	217
Working with text styles	219
Formatting text.....	220
Setting the paragraph text alignment.....	222
Changing text.....	223

hanging paragraph text	225
Using an alternate text editor	227
Working with text written in different languages.....	229

Chapter 12 Dimensioning your drawing

Understanding dimensioning concepts	232
Creating dimensions.....	234
Editing dimensions	243
Understanding dimension styles and variables.....	245
Adding geometric tolerances	255
Quick Dimension.....	261

Chapter 13 Working with blocks, attributes and external references

Working with blocks.....	264
Working with attributes.....	269
Working with external references	275
Attach raster image.....	285

Chapter 14 Printing drawings

Getting started printing	290
Defining layouts for printing	290
Customizing print options	300
Printing or plotting your drawing.....	314

Chapter 15 Drawing in three dimensions

Viewing entities in three dimensions.....	318
Creating three-dimensional entities	320
Editing in three dimensions	335
Hiding, shading, and rendering.....	339

Chapter 16 Working with other programs

Saving and viewing snapshots.....	344
-----------------------------------	-----

Using images in a drawing 345

Using data from other programs in BtoCAD drawings 347

Linking objects to drawings 349

Using BtoCAD data in other programs351

Chapter 17 Customizing BtoCAD

Setting and changing options 359

Customizing menus 374

Customizing toolbars 380

Creating and replaying scripts398