QCAD / QCAD Pro Cheat Sheet

by shakiestnerd (shakiestnerd) via cheatography.com/122381/cs/25632/

QCAD Professional: Ver 3.26.2

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Shortcuts based on QCAD Professional Version 3.26.2

Drawing Commands

Commands for adding elements to the drawing. All commands are entered at the **Command:** prompt or while the focus is on the drawing area.

Lines

WL	Activate the Line CAD Tools
LI	Line using 2 points
LA	Line with a specified angle and length
LH	Horizontal line (like LA with 0 angle)
LV	Vertical line (like LA with 90 angle)
LB	Draw 2 (or more) bisectors between 2 lines
LP	Parallel with distance
LG	Parallel through a point
LT1	Tangent between point and circle, arc or ellipse
LT2	Tangent between two circles, arcs or ellipses
LN	Orthagonal to a line and tangent to circle, arc, ellipse
LR	Line with a relative angle
LO	Orthagonal (perpendicular) line

Lines (cont)

LF	Freehand line drawing

Points

WP	Activate the Point CAD Tools
PO	Single Point
PN	N Points on a Line
PM	MxN Grid of Points

Arcs

WA	Activate the Arc CAD Tools
AR	Center, Point, Angles
AD	Two points and Radius
A2	Two points and Angle
AL	Two points and Length
AH	Two Points and Height
A3	Three Points
AC	Concentric with Distance
AG	Concentric through Point
AN	Tangentially connected
AT	Tangent, Point, Radius

Circles

WC	Activate the Circle CAD Tools
CI	Center, Point
CR	Center, Radius
CA	Center, Diameter
CD	2 Points and Radius
C2	2 Points
C3	3 Points
CC	Concentric with Distance
CG	Concentric through Point
CT1	Tangent and 2 Points

Circles (cont)

CTP	Tangent, Point, Radius
CT2	2 Tangents and Point
CTR	2 Tangents and Radius
CT3	3 Tangents

Ellipses

WE	Activate the Ellipse CAD Tools
EP	Center, Point and Ratio
EA	Center, Major & Minor Axis, Start & End Angles
EI	Radii
ED	Diameters
EC	Parallel Curve with Distance
EG	Parallel Curve through Point
EQ	Inscribed in Quadrilateral

Splines

WN	Activate the Spline CAD Tools
SP	With Control Points
SL	Fit Points
NI	Insert Fit Point in existing spline
NA	Append Fit Points to existing spline
NR	Remove Fit Points from spline
NP	Simplify existing spline

Polylines

WO	Activate the Polyline CAD Tools
PL	Polyline
OG	Convert connected lines & arcs
OL	Partial polyline from selected segments
OA	Insert Node

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Polylines (cont)

OP	Append Node(s)
OP	Delete Node(s)
OB	Remove Nodes between 2 Nodes
OT	Trim Segments
OR	Relocate Start Point
OX	Change Segment Type
-	Arc to Line Segments
OQ	Offset
OM	Morph
OS	Simplify
ON	Normalize
OE	Logically close Polylines
OJ	Logically open Polylines

Shapes

WH	Activate the Shape CAD Tools
RE	Rectangle
RS	Rectangle with Size
R3	Rectangle with 3 Sides
PG1	Polygon (Center, Corner)
PG2	Polygon (2 Points of Side)
PG3	Polygon (Center, Side middle Point)
PG4	Polygon (Side, Side)
PT	Star

Hatching

WX	Activate the Hatching CAD Tools
HA	Hatch from Selection
HS	Hatch from Segments

Miscellaneous

VT	Add Viewport
RI	Add ring (donut)
TE	**Text**
IM	Insert Bitmap

Misc Menu

2PF	Batch2PDF Visible Layout Blocks
TH	Select By Handle
TF	Select By Color
XH	Draw Horizontal Construction Line
XV	Draw Verticle Construction Line
CS	Draw Centerline Cross
C12	Draw Counter
TG	Draw Text Along Entity
LJ	Draw Box Joint from 2 Points
S3	Draw Polyline Break Symbol from 2 Points
GE	Development: Script Shell
XC	Development: Run Script
P3	Draw 3 Points

Notes:

Keybindings can be tweaked under Edit: Application Preferences under the General / Tool Settings option..

Modify Commands

Commands to manipulate existing drawing objects.

Modify

WM	Activate the Modify CAD Tools
MV	Move / Copy Selection
RO	Rotate Selection
SZ	Scale Selection
MI	Mirror Selection
FH	Flip Horizontal
FV	Flip Vertical
MR	Move AND Rotate
R2	Rotate entities around Center Point
AE	Align Reference Points
MA	Align
OF	Offset with Distance
OH	Offset through Point
RM	Trim
TM	Trim Both
LE	Lengthen / Shorten
SS	Stretch
CLR	Clip to Rectangle
CH	Chamfer / Bevel
RN	Round corners
DI	Divide
MS	Split Entities
D2	Break out Segment
B2	Break out Manual
AX	Auto Trim
D3	Break out Gap
RV	Reverse
MT	Edit Text
ML	Edit Tolerance
MH	Edit Hatch

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Modify (cont)

XP	Explode
PI	Property Painter

Detection

MD	Detect Duplicates
MZ	Detect Zero-length Entities

Draw Order

MF	Bring to Front
MB	Send to Back
MO	Reorder
MC	Order Connected Entities

Projection

WJ	Activate the Project CAD Tools
PR	Orthographic Projection (Cylindrical)
PJ	Isometric Projection
PC	Isometric Projection (Cylindrical)
MX	Matrix Transformation

Dimension Commands

Add dimensions and call outs to drawing elements.

Dimension

WD	Activate the Dimension CAD Tools
DA	Aligned
DL	Rotated (Linear)
DH	Horizontal
DV	Vertical
DB	Baseline
DC	Continue
DO	Ordinate (X/Y)

Dimension (cont)

DE	Leader
DT	Datum
TO	Tolerance
DR	Radial
DD	Diametric
DN	Angular
DG	Arc Length
DS	Reset Label Position

Info

WI	Activate the Information CAD Tools
IO	Position
IV	Relative Position
IL	Polar Position
IT	Relative Polar Position
IP	Distance Point to Point
IE	Distance Entity to Point
IN	Distance Entity to Entity
IA	Angle
IS	Total Length of Selection
IR	Polygonal Area
IC	Arc/Circle/Ellipse Area
II	Polyline Area

Layer

YV	Toggle Visibility
YF	Toggle Frozen Status
YL	Toggle Lock Status
YO	Show Only Active
YS	Show All Layers
YH	Hide All Layers

Layer (cont)

YW	Thaw All Layers
YK	Lock All Layers
YN	Unlock All Layers
YA	Add Layer
YU	Add Sublayer
YT	Create Layer from Selection
YY	Duplicate Layer
YR	Delete Layer(s)
YP	Purge Unused Layers
YE	Edit Layer
Y+	Select Layer Entities
Y-	Deselect Layer Entities
YM	Add Layer State

Block

XP	Explode
BV	Toggle Visibility
BS	Show All Blocks
BH	Hide All Blocks
BA	Add Empty Block
BC	Create Block From Selection
BL	Add Layout Block
BR	Remove Block
BP	Purge Unused Blocks
BN	Rename Block
BE	Edit Block
BD	Edit Block From Reference
BB	Edit Block in Place
BY	Duplicate Block
EM	**Return to Main Drawing**
B+	Select Block References

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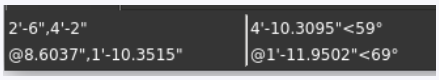
Block (cont)

B-	Deselect Block References
BI	Insert Block
BT	Create Library Item
Attributes	
UA	Define Block Attribute
UY	Synchronize Attributes

Coordinate Information



When drawing, current coordinate information is displayed on the status bar.

Top Left: absolute X,Y coordinate

Top Right: absolute Distance < Angle coordinate

Bottom Left: relative X,Y coordinate from last point

Bottom Right: relative Distance < Angle polar coordinate from last point

Snap Commands

Changes how the cursor interacts with drawing objects.

Snap

SF	Free (Rarely Used)
SG	Grid
SE	End
ST	On Entity
SU	Perpendicular
SB	Tangential
SC	Center
SR	Reference
SM	Middle

Snap (cont)

SN	Middle Manual
SD	Distance
SH	Distance Manual
SI	Intersection
SY	Intersection Manual
SA	Auto
SX	Coordinate
SO	Polar Coordinate
.X	X/Y From Points
.Y	Y/X From Points
SK	Center of Selection
EN	Restrictions Off
EO	Restrict Orthogonally
EH	Restrict Horizontally
EV	Restrict Vertically
EL	Restrict Angle or Length
RZ	Set Relative Zero
RL	Lock Relative Zero
SQ	Lock Snap

View Commands

DF	Toggle Draft Mode
NL	Toggle Screen Based Line Types
NT	Toggle Anti-aliasing
GR	Toggle Grid
Zoom	
+ (plus)	Zoom in
- (minus)	Zoom out
ZA	Auto zoom
ZS	Zoom to selection

View Commands (cont)

ZV	Previous View
ZW	Zoom Window
ZP	Pan
Overlays	
VD	Direction
VO	Order
VS	Startpoint
Stored Views	
VA	Add View
JO	Isometric Grid Off
JT	Top Projection
JR	Right Projection
JL	Left Projection
GY	Layer List
GB	Block List
GV	View List
GP	Property Editor
GF	Selection Filter
GL	Library Browser
GM	Command Line
GC	Clipboard Display
GS	Status Bar
Space	Focus on Command Line
Ctrl+Space	Focus on Options Toolbar
Ctrl+Shift+Space	Focus on Tools Matrix
F8	Display Distance/Angle

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Select Menu Commands

TN or Ctrl+Shift+A	Deselect All
TA or Ctrl+A	Select All
TV	Select View
TI	Invert Selection
TR	Select Rectangular Area Toggle
TP	Select Polygon Toggle
TC	Select Contour Toggle
TX	Select Intersected Entities Toggle
TL	Select Layer Toggle

Window Menu Shortcuts

Ctrl+Shift+W	Close All
Ctrl+Right	Next
Ctrl+Left	Previous
F11	Toggle full screen

File Handling Shortcuts

Ctrl+W	Close window
Ctrl+Shift+I	Import
Ctrl+N	New Drawing
Ctrl+O	Open Drawing
Ctrl+P	Print Drawing
Ctrl+Alt+P	Print Current View
Ctrl+Shift+P	Open Print Preview
Ctrl+S	Save Drawing
Ctrl+Shift+S	Save As
Ctrl+Shift+N	New Drawing from Template
Ctrl+R	Revert

File Handling Shortcuts (cont)

FI	Show in File Manager
XB	Bitmap Export
XS	Quick SVG Export
XD	PDF Export

Editing Shortcuts

Ctrl+, (comma)	Open Application Preferences dialog
Ctrl+C	Copy
Ctrl+Shift+C	Copy with reference
Ctrl+X	Cut
Ctrl+Shift+X	Cut with reference
Del, Backspace	Delete
Ctrl+I	Open Drawing Preferences dialog
Ctrl+V	Paste
Ctrl+Shift+V	Paste along Entity
Ctrl+Shift+Z	Redo
Ctrl+Z	Undo
Ctrl+F	Find/Replace
OO	Undo
UU	Redo
ER	Delete
RT	Cut with Reference
CP	Copy
RC	Copy with reference

Editing Shortcuts (cont)

PS	Paste
PE	Paste along Entity
DP	Duplicate
RP	Find/Replace
FF	Substitute Fonts
MG	Scale Text Heights
CU	Convert Drawing Units
Esc	Escape
QQ	**Reset / Idle**
Quick Modify	
Right Arrow	Move Right
Left Arrow	Move Left
Up Arrow	Move Up
Down Arrow	Move Down
F5	Rotate Counter Clockwise
F6	Rotate Clockwise

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