Rhino® Studio Series

QUICK REFERENCE: 200+ First Commands to Know

Discuss Here: discourse.mcneel.com/t/quick-ref-200-first-commands-to-know/211231

Version 2.3: 04/13/2026

rhino3d.com/**learn**

CURVES (& Lines)

Point / Divide
Line / Polyline
Rectangle / Polygon
Curve / InterpCrv
Circle / Arc
Ellipse / Conic
Fillet / Connect
Offset
Project (TO GEOM.)
Section / Contour
BlendCrv
DupEdge
Intersect
TweenCurves

SURFACES

Plane / Picture
Loft
PlanarSrf
ExtrudeCrv
Sweep1 & 2
Revolve
FilletSrf
OffsetSrf
Patch
Untrim
BlendSrf
UnrollSrf
NetworkSrf
TweenSurfaces

SOLIDS

Box / Sphere
Cylinder / Cone / Pipe
TextObject
ExtrudeCrv / ExtrudeSrf
PushPull / Inset
MergeCoplanarFaces
FilletEdge
Shell
Cap (PLANAR HOLES)
ExtractSrf
BooleanUnion
BooleanDifference
BooleanIntersect
Wirecut

SUBD

ToSubD
SubDPlane & Box
Bridge / Stitch
InsertEdge/Point
Fill / DeleteFaces

MESH

Mesh (NURBS)
MeshPlane & Box
ShrinkWrap
FillMeshHole(s)
PatchSingleFace
Weld / Unweld
ReduceMesh
QuadRemesh

RENDER

Render / RenderPreview
DocumentPropertiesPage
Spotlight / PointLight
Lights / Sun (SKYLIGHT)
GroundPlane (PANEL)
Camera (F6)
Libraries / MaterialEditor
ApplyEdgeSoftening
–ViewCaptureToClipboard
–ViewCaptureToFile

TOOLS

OSnap (END, NEAR, POINT, MID, CEN, INT, PERP, BETWEEN, ETC.)
OSNAP + CTRL (ONSURFACE, ETC.)
CommandHistory (F2)
MacroEditor / EditScript
EditPythonScript / ScriptEditor
Grasshopper
Toolbar / Reset
Audit / Purge
Options

HELP

About
(F1) Help Topics

FILE

New (CTRL+N)
Open (CTRL+O)
Save (CTRL+S)
SaveAs
SaveSmall
IncrementalSave
SaveAsTemplate
Insert (CTRL+I)
ExportSelected
Notes
Print (CTRL+P)

EDIT

Undo (CTRL+Z) / UndoSelected
Redo (CTRL+Y) / RedoMultiple
SelAll (CTRL+A) / Invert / SelDup
Hide (CTRL+H) / Show / Isolate
Group (CTRL+G) / Ungroup
Join (CTRL+J) / Explode
Trim (CTRL+T) / Split / Rebuild

WINDOW

Properties (F3) & Layer (PANELS)
WindowLayout / OptionsExport

VIEW

Zoom (ZE / ZS)
NamedView / RotateView
CPlane / NamedCPlane
Plan / UndoView (HOME)
SynchronizeViews
4View / 3View
Layout / Detail
ClippingPlane
ClippingSections
–ViewportProperties
NewFloatingViewport

MODELING AIDS

Middle Mouse Button = ZS/Pan/Popup
What (F5), Grid (F7), Ortho (F8), Snap (F9), PointsOn (F10/F11)
Sub-Object Selection (SHIFT+CTRL) + Face / Edge / Vertex
Gumball (ALT=COPY, CTRL OR BALL=EXTRUDE, TICK MARK=CUT)
Nudge (ALT+ARROWS/PGDN/PGUP), Project / Planar, Tab (KEY)
RecordHistory > Macros > Grasshopper > Python (SCRIPTING)

DRAFTING

Dot / Text
Dim
DimRadius
DimAngle
Leader
Hatch
Make2D
ClippingDrawings

TRANSFORM

Move / Copy / Rotate
Scale / Shear / Mirror
Orient / OrientOnSrf
Array / ArrayLinear
SetPt / ProjectToCPlane
Twist / Bend / Taper
Flow / FlowAlongSrf
Cage / CageEdit

ANALYZE

EvaluatePt
Area / Volume
Length / Distance
Radius / Diameter
Angle
Dir / Flip
What (F5) / List
ShowEdges