








123D Hotkey Handout

Hotkey Shortcuts

KEYBOARD SHORTCUT KEYS

NAVIGATION	
PAN	 (Press and mouse drag)
ORBIT	 (Press and mouse drag)
ZOOM	 (Scroll the wheel)
FIT	F

TOOLS	
EXTRUDE	U
SWEEP	W
REVOLVE	V
LOFT	L
PRESS AND PULL	P
TWEAK	K works on face/edge/vertex
SPLIT FACE	B
FILLET	E
CHAMFER	C
SPLIT SOLID	Alt + B

PART MOVEMENT AND MANIPULATION	
DRAG OBJECTS	 objects move on the grid
FREE DRAG OBJECTS	Shift + Select object + 
Rotation about X axis	Press X to rotate the selected object/s, about X axis Shift + X (rotate the selected object/s in opposite direction, about X axis)
Rotation about Y axis	Press Y to rotate the selected object/s, about Y axis Shift + Y (rotate the selected object/s in opposite direction, about Y axis)
Rotation about Z axis	Press Z to rotate the selected object/s, about Z axis Shift + Z (rotate the selected object/s in opposite direction, about Z axis)
ROTATE OBJECT EVERY 45 DEG	Shift + Rotate Manipulator
ROTATE OBJECT EVERY 15 DEG	Alt + Rotate Manipulator
FLIP ABOUT GRID	Select object + Spacebar
DROP ON GRID	Select object + D
DIMENSION INFO	I



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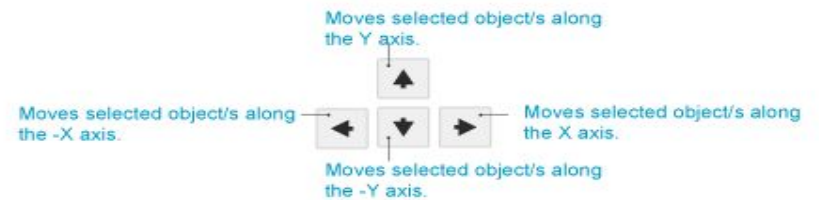
FILLET	E
CHAMFER	C
SPLIT SOLID	Alt + B
SHELL	J
RECTANGULAR PATTERN	N
CIRCULAR PATTERN	Shift + N
PATH PATTERN	Alt + N
MERGE	[
SUBTRACT]
INTERSECT	\
MEASURE	Shift + M
RULER	R
ALIGN	A NEW
TEXT	T
SNAP	;
MATERIAL	`
CONVERT MESH TO SOLID	M NEW

FILE MANAGEMENT

FLIP ABOUT GRID Select object + Spacebar

DROP ON GRID Select object + D

DIMENSION INFO I



OTHER KEYS

UNDO	Ctrl + Z
REDO	Ctrl + Y
COPY	Ctrl + C
PASTE	Ctrl + V
GROUP	Ctrl + G
UNGROUP	Ctrl + Shift + G
DELETE	Delete
TRANSFORM	Ctrl + T
SCALE	S
SMART SCALE	Ctrl + B NEW