

CADian Lisps

How to Install CADian Lisps : [LINK](#)

#	Command	Name	Description	Article
1	dism	[Continuous Distance]	Ultimate distance measure (continuous/cumulative).	more details
2	detail	[Smart Detail Generator]	Creates circular or rectangular detail view.	more details
3	q1,q2,q3,q4,q11, q22,q33,q44	[Smart Offset (Offset to Layer 0):]	Assigns offset object to target layer. (Q1 Visible Line, Q2 Centerline, Q3 Hidden Line, Q4 Phantom Line)	more details
4	tag	[Create Balloon (Part Number Balloon)]	Generates part balloons sequentially. The tag size is determined by the DIMASZ variable.	more details
5	cl2	[Single-Click Centerline Generator]	Draw Centerline on a Single Circle, layer automatically generated.	more details
6	shaft	[Draw Shaft]	Interactively draws mechanical shafts with centerlines	more details
7	addpi	[Add Diameter Symbol (∅)]	Adds the diameter symbol (Φ) to dimension objects. Supports simultaneous selection of multiple dimensions.	more details
8	deltxt	[Delete Text (By Height)]	Mass-delete all text objects of specific height	more details
9	table2	[Draw Table (Spacing)]	[Draw Table (Spacing)]	more details
10	table3	[Draw Table (Window)]	Generates a table based on the specified bottom-left and top-right corner points, along with column and row counts.	more details
11	ttext	[Fit Text to Cell]	Enables text entry within a table with automatic fit-to-context line spacing adjustment.	more details
12	sloth	[Draw Shaft Slot]	Generates slot hole (keyway) only on a single end of a shaft	more details
13	tr2	[Quick Trim]	Enables immediate trimming similar to the standard AutoCAD trim	more details
14	tol2	[Add Deviation Tol.]	Adds deviation tolerances to selected dimension objects using input values, without requiring a separate dimension style. (Supports horizontal and vertical dimensions only).	more details
15	cbore	[Draw Counterbore]	Generates counterbore (including the top view) based on specified bottom center point, diameter, and distance.	more details
16	hom	[Draw Shaft Keyseat]	Generates a shaft keyway	more details
17	keyh	[Draw Bore Keyway]	Generates a bore keyway	more details
18	clall	[Multiple Centerline Generator]	Generates centerlines for multiple selected circles. (Filters the selection to apply only to circles)	more details
19	rct	[Draw Rect. Centerline]	Generates centerlines for a selected rectangular object.	more details
20	xbox	[Draw Rect with X]	Draws a crossed-box via freehand selection or dimension input.	more details
21	4c	[Draw 4-Hole Bolt Pattern]	Generates a 4-hole bolt pattern and centerlines around an existing base circle. (Includes automatic layer creation.)	more details
22	2cr	[Draw 2 Side Circles Outside Rect (Ext)]	Generates two circles and centerlines on both sides of a rectangle	more details
23	2cri	[Draw 2 Side Circles Inside Rect (Int)]	Generates two circles and centerlines inside both sides of a rectangle	more details
24	cinr	[Draw Circle at Rect Center]	Generates a circle and centerlines at the center of a rectangle.	more details
25	2ex	[Symmetric Extend (20%)]	Extends the object length symmetrically from both ends by 20%.	more details

26	ex2	[Quick Extend]	Executes an immediate extend command. (Note: Applies only to objects currently on the screen.)	more details
27	er2	[Draw Rectangle in Rectangle]	Generates a rectangle inside a rectangle at a specified offset distance from a selected corner.	more details
28	ec	[Draw Circle in Rectangle]	Generates a circle and centerlines inside a rectangle at a specified offset distance from a selected corner.	more details
29	notch	[Notch Rectangle Corner]	Generates a rectangular corner notch defined by specified width and length(Applicable to any corner).	more details
30	eca	[Draw Circle Array in Rectangle]	Generates linear circle array inside a rectangle at a specified offset	more details
31	ec4	[Draw 4 Corner Circles in Rectangle]	Generates 4 circles and centerlines at equal offsets from each rectangle corner.	more details
32	c0~c50 / r0~r50	[Quick Chamfer / Quick Fillet]	Executes Chamfer (C0-C50) and Fillet (R0-R50) commands	more details
33	key_s	[Draw Keyway (Side)]	Generates a keyway section with centerlines.	more details
34	TAL	[Align Center (Table)]	Aligns text to center of table	more details
35	mi2	[Smart Mirror]	Mirrors objects across a selected line axis.	more details
36	ml2	[Draw Stacked Multileader]	Enhanced Multi-Leader tool that generates a leader with multiple lines of aligned text labels.	more details
37	rec_c	[Draw Rectangle (Center)]	Generates a rectangle specified by the center, width, and length.	more details
38	cl3	[Draw Angled Centerline]	Generates angled centerlines for existing circles with adjustable extensions.	more details
39	ctan	[Draw Tangent (2 Circles)]	Generates tangent lines between two circles.	more details
40	revm	[Draw Revision Mark]	Generates revision marks linked to DIMSCALE and DIMTXT settings.	more details
41	acl	[Auto Centerline & Circles]	Generates centerlines and circles on separate layers.	more details
42	asc	[Chamfer Shaft End]	Chamfers shaft end	more details
43	cside	[Project Circular Side View]	Generates circular side profile view from a front view.	more details
44	awipe	[Mask Text (Wipeout)]	Enhanced wipeout to mask the text background for better visibility.	more details
45	4r	[Fillet All Rectangle Corners]	Generates fillets on all four corners of a rectangle	more details
46	4ch	[Chamfer All Rect Corners]	Chamfers all four corners of a rectangle	more details
47	adim	[Auto Dimension]	Enhanced QDIM command integrating horizontal, vertical, aligned, and diameter dimensions.	more details
48	barob	[Quick Block (Timestamp)]	Converts selection to a block named with the current timestamp.	more details
49	tt	[Match Text Content]	Match Text Content	more details
50	good	[Chamfer Hole]	Facilitates chamfering the rims of a vertical hole.	more details
51	slotc	[Slot Hole Centerline]	Generates centerlines for slot holes	more details
52	cin2t	[Draw Split Circle Tag]	Generates a bisected circle containing two lines of text.	more details
53	nr	[Draw Rectangle with Fillet/Chamfer]	Enhanced rectangle command allowing chamfering or filleting	more details
54	nc	[4-Way Multi-Copy & Array]	Copy and linear array in four directions.	more details
55	mbk	[Trim Inside (Keep Boundary)]	Trims all objects inside a user-defined shape (boundary remains)	more details
56	pb	[Draw Panel Push Button]	Generates a push button for schematics.	more details

57	lwc	[Modify Global Width]	Modifies the width of lines, polylines, circles, and arcs (converts to polylines).	more details
58	samgak	[Draw Finish Symbol]	Generates surface finish symbols for mechanical drawings.	more details
59	rib	[Draw Pipe Ribs]	Generates four ribs around a circular pipe in plan view.	more details
60	acol	[Auto Column Grid]	Interactively generates column centerlines and numbering for architectural drawings.	more details
61	dtod	[Override Dim with Measure]	Overwrites a dimension's text value with the measured distance between two selected points.	more details
62	padan	[Draw Break Line (Single)]	Generates a single spline break line	more details
63	roal	[Align Object (Move/Rotate)]	Enhanced ALIGN command that rotates and positions objects	more details
64	LL	[Cap 2 Lines with Segment]	Generates a closing line segment between the endpoints of two selected lines	more details
65	dmi	[Double Mirror]	Performs two consecutive mirror operations on selected objects.	more details
66	car	[Draw Polar Array of Circles]	Generates a polar array with circles	more details
67	mx, my	[Move Horizontal (X-Only) / Vertical (Y-Only)]	Moves objects to align with a vertical (mx) or horizontal (my) centerline.	more details
68	ahid, acen, a0	[Quick Hidden/Center/Visible Line (Side)]	Generates hidden, center and visible projection line	more details
69	aar	[Auto Linear Array]	Performs linear array copying in any direction.	more details
70	lex	[Symmetric Trim (10%)]	Trims the object length symmetrically from both ends by 10%.	more details
71	st2	[Quick Stretch]	Enhanced Stretch. Extends a single side of a rectangle with a single click	more details
72	xyext	[Extract Coords (Interval)]	Extracts coordinates from Line, Polyline, Arc and Spline at specified intervals.	more details
73	earc	[Cap 2 Lines with Arc]	Generates a closing arc segment between the endpoints of two selected lines	more details
74	WW / EE	[Trim at Intersection / Extend to Corner]	(WW)Trims two lines at their intersection / (EE) Extends two lines to meet at a corner	more details
75	arrow	[Draw Open Arrow]	Generates an open arrowhead	more details
76	tbom	[Create BOM from Text]	Generates a BOM table from selected text objects.	more details
77	ht	[Draw Thru Hole]	Generates a through-hole.	more details
78	ml0	[Batch Draw Parallel Lines (Side)]	Generates multiple same-length lines on visible or hidden layers for plan and side views.	more details
79	il	[Infinite Line (XLine)]	Generates an optimized infinite construction line (XLINE alternative).	more details
80	nasa	[Draw Metric Thread]	Generates metric screw threads (M1-M30) in plan view.	more details
81	pb1, fac	[Insert Push Button]	Generates a push button on a wire for schematics.	more details
82	of2	[Capped Offset (Rect)]	Generates a Capped Offset (Rectangular)	more details
83	of3	[Offset & Resize]	Offsets a line to a custom length.	more details
84	rct2	[Centerline between Two Lines]	Generates a centerline between two selected lines.	more details
85	cp2	[Quick Copy]	Rapidly copies and places a single selected entity.	more details

86	clp	[Radially Oriented Centerlines]	Generates centerlines for each circle on polar array, aligned toward the polar array center.	more details
87	sr	[Draw Shaft Groove]	Generates a semi-circular groove around a shaft.	more details
88	hole	[Draw Hole (Side)]	Generates a hole in side view.	more details
89	mccb	[Insert MCCB]	Generates an MCCB for schematics.	more details
90	lamp	[Insert pilot Lamp]	Generates a pilot lamp for schematics.	more details
91	thr	[Insert Thermal Relay]	Generates a thermal relay for schematics.	more details
92	mbb	[Insert Manual NC Switch]	Generates a manual NC switch for schematics.	more details
93	lsw	[Insert Limit Switch]	Generates a limit switch contact for schematics.	more details
94	odtb	[Insert On-Delay NC Contact]	Generates an on-delay timer NC contact for schematics.	more details
95	ofdtb	[Insert Off-Delay NC Contact]	Generates an off-delay timer NC contact for schematics.	more details
96	vtxt	[Insert Circled Text on Line]	Generates circled text on horizontal or vertical lines.	more details
97	odt	[Insert On-Delay NO Contact]	Generates an on-delay timer NO contact for schematics.	more details
98	ofdt	[Insert Off-Delay NO Contact]	Generates an off-delay timer NO contact for schematics.	more details
99	rs	[Insert Relay Contact]	Generates a relay contact for schematics.	more details
100	es	[Insert Contactor Contact]	Generates a magnetic contactor contact for schematics.	more details
101	mb	[Insert Manual NO Contact]	Generates a manual NO contact for schematics	more details
102	ova	[Insert Thermal Overload NO]	Generates a thermal relay NO contact for schematics.	more details
103	ovb	[Insert Thermal Overload NC Contact]	Generates a thermal relay NC contact for schematics.	more details
104	pbb	[Insert Push Button NC Contact]	Generates a push button NC contact for schematics.	more details
105	addgh	[Add Parentheses to Dimension]	Encloses dimension in parentheses.	more details
106	weld	[Draw Weld Symbol]	Generates a fillet weld symbol.	more details
107	RL	[Line with Auto-Fillet]	Generates lines with filleted corners.	more details
108	edot	[Hollow Connection Dot]	Generates a filled connection dot for schematics.	more details
109	edot2	[Insert Hollow Connection Dot]	Generates a hollow connection dot for schematics.	more details
110	ex1	[Unidirectional Extension (10%)]	Extends a line, arc, or polyline from a selected endpoint by 10%	more details
111	ex-1	[Unidirectional Trim (10%)]	Trims a line, arc, or polyline from a selected endpoint by 10%	more details
112	ar2	[Draw Filled Arrow]	Generates a solid filled arrowhead	more details
113	dbh	[Draw Equal Division Lines]	Generates equally spaced lines between two selected lines.	more details
114	mof	[Continuous Offset]	Offsets objects continuously.	more details
116	HTOL	[All Hatch to HATCH Layer]	Moves all hatch objects to the HATCH layer.	more details
117	tmake	[Draw T-Profile]	Generates a custom T-profile	more details
118	SREC	[Draw Rect Side View]	Generates a rectangular side view projected from a selected line.	more details
119	FUSE	[Draw Fuse Symbol]	Generates a fuse for schematics.	more details
120	6G	[Hexagon with Two-Line Text]	Generates a hexagon enclosing two lines of text.	more details
121	plate	[Draw Rect Plate (4 Holes)]	Generates a rectangular plate with four corner bolt holes	more details
122	ofs	[Capped Offset (Trap.)]	Generates a Capped Offset (Trapezoid)	more details

123	3TR, 6TR, 9TR, 12TR	[Trim Wall T-Joint]	Trims intersection into a T-joint facing Right (3TR) Bottom (6TR) Left (9TR) Top (12TR)	more details
124	drec	[Draw Double Rectangle]	Generates two concentric rectangles.	more details
125	nul	[Draw Knurling Pattern]	Generates a knurling pattern.	more details
126	4cbr	[Draw Filleted Plate (4 C-Bores)]	Generates a rectangular plate with filleted corners and four counterbores	more details
127	harc	[Draw U-Notch / Tab]	Generates a U-shaped notch (cut) or tab (protrusion).	more details
128	m2	[Quick Move]	Rapidly moves a single selected entity.	more details
129	tline	[Draw Single Line T-Joint]	Generates a T-intersection using single lines	more details
130	DTL	[Draw Double Line T-Joint]	Generates a T-intersection using double lines.	more details
131	MZ	[Match Elevation (Z-Axis)]	Matches object Z-elevation to reference line Z-elevation.	more details
132	AG	[Draw Equal Angle]	Generates an equal-leg angle.	more details
133	AGB	[Draw Unequal Angle]	Generates an unequal-leg angle.	more details
134	HBEAM	[Draw H-Beam]	Generates an H-beam.	more details
135	JH	[Draw Resistor Symbol]	Generates a resistor for schematics.	more details
136	mcopy	[Copy at Interval]	Copies objects repeatedly at fixed intervals.	more details
137	GRWD	[Draw Ground (Earth) Symbol]	Generates a ground symbol for schematics.	more details
138	CDS	[Draw Capacitor Symbol]	Generates a capacitor for schematics.	more details
139	CNA	[Draw Circle & Arc]	Generates a circle, arc, and centerline	more details
140	TLA	[Align Text (Left)]	Aligns text entities to a left reference line.	more details
141	CTR	[Trim Wall Intersection (4-Way)]	Trims intersecting double lines to form a 4-way cross	more details
142	ML00, MLCC, MLCCX, MLHH	[Draw Lines Between Midpoints]	Draws a line connecting object midpoints (Visible, Center, or Hidden).	more details
143	1AR, 0AR	[Draw Single Arrow / Reverse Arrow]	Generates a single-line arrow or reverse arrow.	more details
144	PL2C	[Draw Rect Tab (2 Holes)]	Appends a rectangular tab extension with two holes.	more details
145	RCUT	[Draw Semicircle Notch / Tab]	Generates a semicircular cut (notch) or protrusion (tab) on an edge.	more details
146	RTOB	[Convert Rects to Blocks]	Batch converts rectangular polyline to blocks.	more details
147	TTA	[Align Text (Table)]	Aligns text horizontally within a table.	more details
148	CTRIM	[Trim Wall Corner (L-Joint)]	Trims intersecting double lines to form a clean L-corner.	more details
149	HQ	[Quick Hatch]	Applies hatch by point or object selection.	more details
150	HPSC	[Rescale Hatch]	Rescale hatch pattern	more details
151	HCP	[Clone Hatch to Area]	Applies a selected hatch pattern's properties to a new area (clone).	more details
152	STC	[Smart Stretch]	Stretches objects using a simplified 3-click window.	more details
153	SOLH	[Quick Solid Fill]	Generates a solid hatch.	more details
154	TNM	[Edit Cell Text]	Inserts and edits text within a grid or table cell.	more details
155	HBR	[Generate Hatch Boundary]	Generates a boundary from an existing hatch.	more details
156	CUT1	[Trim & Clear Area]	Trims and erases all objects inside a temporary boundary.	more details
157	HOK, HOKC	[Repair Concrete Pattern]	Repairs concrete hatch patterns	more details
158	JL	[Join Lines]	Joins two collinear lines.	more details

159	MCEN, CCEN	[Move from Center / Copy from Center]	Moves or copies an object from its geometric center.	more details
160	THAP	[Merge Text Lines]	Merges multiple text lines into a single line.	more details
161	C4C	[Draw 4-Hole Bolt Circle with Base]	Generates a large circle with four surrounding circles and centerlines.	more details
162	oh	[Hatch Open Area]	Hatches an open area.	more details
163	RIVET	[Draw Rivet]	Generates a rivet.	more details
164	TFR	[Text/Dim to Front]	Brings text and dimension entities to the front.	more details
165	PADAN2	[Draw Break Line (Double)]	Generates a double spline break line for removed sections.	more details
166	gidung	[Draw Column (Seq)]	Continuously generates rectangles (columns) centered on specified points.	more details
167	ABLK	[Array Block on Path]	Arrays blocks along a path at specified intervals.	more details
168	WR	[Heal Wall Gap]	Restores broken walls (lines).	more details
169	CR	[Copy & Rotate]	Copies and rotates an entity.	more details
170	TXTLEA	[Attach Leader to Text]	Attaches leader line to existing text.	more details
171	SWAP	[Swap Text Content]	Swaps text content.	more details
172	TDN, TUP	[Copy Text Down / Copy Text Up]	Duplicates text below / above.	more details
173	TSZ	[Change Text Size]	Changes text size.	more details
174	QD	[Quick Distance]	Calculates and labels the total distance between multiple points.	more details
175	AR20D, AR20U	[Draw Array Arrows (Down) / (Up)]	Generates an array of 20 arrows pointing Upward / Downward	more details
176	pwo	[Polyline With Outline]	Generates a polyline with a solid hatch and visible line.	more details
177	PBOX	[Draw Pull Box]	Generates a pull box for schematics.	more details
178	BGG	[Draw Branch Device (Switch/Splitter)]	Generates a tap-off (branch) for schematics.	more details
179	BBG	[Draw Distributor]	Generates a distributor for schematics.	more details
180	AVOL	[Draw AC Voltmeter]	Generates an AC voltmeter for schematics.	more details
181	DVOL	[Draw DC Voltmeter]	Generates a DC voltmeter for schematics.	more details
182	CWIPE	[Mask Shape (Wipeout)]	Generates a Wipeout object from a selected Circle, Polyline, or Polygon.	more details
183	TRIA	[Label Triangle Area]	Calculates and labels the area of a triangle.	more details
184	DIMTC	[Batch Edit Dimension Text]	Replaces dimension text with user input.	more details
185	ST5	[Draw Stair (Side)]	Generates the side view of a staircase.	more details
186	CLD	[Draw Radial Line Series]	Generates multiple line segments radiating from a central shared origin.	more details
187	ERH	[Erase Hatches in Area]	Deletes hatches within a selected area.	more details
188	FTL	[Link Identical Text]	Marks identical texts with lines	more details
189	FBL	[Find & Mark Blocks]	Marks identical blocks with lines	more details
190	MiX / MiY	[Flip Vertical (X-Axis) / Horizontal (Y-Axis)]	Flips objects horizontally (MiX) or vertically (MiY). (Compatible with CADian 2025)	more details
191	SON	[Draw Handle]	Generates a standard U-shaped handle.	more details
192	BIGA	[Draw Wide Arrow]	Generates a wide-body hollow arrow	more details
193	TRS	[Draw Transformer Symbol]	Generates a transformer for schematics.	more details
194	HLT	[Annotate Vertical Wire Thickness]	Sets the width of vertical wires for schematics.	more details

195	MAR	[Draw Multi-Leader Arrow]	Draws multiple arrows with a connected leader line	more details
196	VLT	[Annotate Horizontal Wire Thickness]	Sets the width of horizontal wires for schematics.	more details
197	SCUT	[Draw Internal Cut]	Generates an internal groove on a shaft.	more details
198	1DJ	[Directional Straight Terminal]	Inserts a blade terminal at line endpoints for schematics.	more details
199	ROOT	[Draw Radical Denominator]	Generates a fraction with a square root denominator.	more details
200	COVER	[Draw Bearing Cover (Side)]	Generates the side view geometry of a bearing cover	more details
201	COVER2	[Draw Bearing Cover (C-Bore)]	Generates a bearing cover side view detailed with counterbores.	more details
202	EXX	[Extend Line Length]	Extends or trims an object by a specific numerical input.	more details
203	CLM	[Draw Centerline (Between Lines)]	Generates a centerline between two lines.	more details
204	WASHER	[Draw Washer]	Generates a washer.	more details
205	SQA, SQX, SQW, SQY, SQZ	[Surface Roughness Symbols]	Surface Roughness Symbols	more details
206	2L	[Double Line Offset]	Generates double lines defined by diameter.	more details
207	RAIN	[Batch Vertical Lines]	Generates multiple vertical lines.	more details
208	CBP	[Draw Counterbore (Plan View)]	Continuously generates counterbore top views.	more details
209	SECL, ANT	[Draw Section Line / Section Callout]	Draws a section viewing arrow with an associated text label.	more details
210	LP	[Draw L-Plate Views]	Generates front and side views of an L-plate	more details
211	DSS	[Copy Dim Style]	Copies the dimension style.	more details
212	R4CUT	[Cut Rounded Notches]	Generates rectangular corner notches with rounded inner edges.	more details
213	MARC	[Continuous Tangent Arcs]	Sequentially generates tangent arcs between pairs of selected lines.	more details
214	AMCOPY	[Copy to All Intersections]	Copies selected objects to all intersection points.	more details
215	TPIN	[Copy to All Intersections]	Generates the front view, side view and dimensions of a T-pin.	more details
216	SLAR	[Draw Slot Array]	Generates a slot array.	more details
217	ibolt	[Draw Eye Bolt]	Generates the front view and right-side view of an eyebolt.	more details
218	VERC	[Draw Double-D]	Generates a circle with two parallel vertical flats.	more details
219	TAP	[Draw Blind Tap]	Generates a blind tapped hole.	more details
220	TAPT	[Draw Thru Tap]	Generates a through tapped hole.	more details
221	120d	[Draw Drill Tip (120°)]	Generates a 120° drill hole.	more details
222	EDLE	[Cap Wall End]	Caps open wall ends and extends the centerline to the edge.	more details
223	CTYPE	[Draw C-Channel (Dims)]	Generates dimensioned front and side view of a C-Channel.	more details
224	ANGLE	[Draw L-Angle (Dims)]	Generates dimensioned front and side view of an L-Angle.	more details
225	JTYPE	[Draw J-Channel (Dims)]	Generates dimensioned front and side view of a J-Channel.	more details
226	SLBK	[Draw Sleeve Block]	Generates a sleeve block with dimensions for mold design.	more details
227	WBOLT	[Draw Socket Bolt]	Generates a wrench bolt.	more details
228	BOLT	[Draw Hex Bolt]	Generates a hex bolt.	more details
229	NUT	[Draw Hex Nut]	Generates a hex nut.	more details
230	CSK	[Draw Countersink]	Generates a countersink	more details
231	ESLOT4	[Draw 4 Slots in Rectangle]	Generates a rectangle with four slots.	more details

232	ENASA4	[Draw 4 Tapped Holes in Rectangle]	Generates a rectangle with four tapped holes.	more details
233	ibeam	[Draw I-Beam]	Generates an I-beam.	more details
234	LEA2	[Draw Jogged Leader]	Generates a jogged leader	more details
235	VHB	[Draw H-Beam Column]	Generates an H-beam on a plate.	more details
236	CHN	[Draw C-Channel]	Generates a structural C-Channel.	more details
237	CHN2	[Draw Bent Plate (C)]	Generates a C-shaped bent plate.	more details
238	BEAR	[Auto-Draw Ball Bearing]	Generates a ball bearing (6011–6040).	more details
239	ACTEXT	[Draw Terminal Tag]	Generates a directional arrow with a circular text tag for schematics.	more details
240	CONC	[Draw Concrete Symbol]	Generates a concrete symbol.	more details
241	NBK	[Rename Block]	Renames a block.	more details
242	RCB	[Draw Corner C-Bore in Rectangle]	Generates counterbore holes at the inner corners of a rectangle.	more details
243	RCB4	[Draw 4 Corner C-Bores in Rectangle]	Generates four counterbore holes at the corners of a rectangle.	more details
244	VTL	[Draw Multiple Perpendiculars]	Generates continuous perpendicular lines between two parallel objects.	more details
245	RCTT	[Draw Rectangle Centerline (v2)]	Generates centerlines on a rectangle (Ver. 2).	more details
246	1EXT	[Extend Multiple]	Extends multiple lines to a boundary	more details
247	SRING	[Draw Ext. Snap Ring]	Generates an external snap ring (on a shaft).	more details
248	SRING2	[Draw Int. Snap Ring]	Generates an internal snap ring (in a bore).	more details
249	CBAR	[Create Custom Block Arrow]	Defines a block from selection and inserts it as arrowheads on lines.	more details
250	BAR	[Apply Block Arrowhead]	Applies a specific named block as arrowheads to selected line endpoints.	more details
251	CLA	[Align Circle to Line]	Aligns circles tangentially to a vertical line.	more details
252	CMC	[Circle Multi Copy]	Generates a series of circles and centerlines at specified intervals.	more details
253	90p	[Draw 90° Bent Plate]	Generates a 90° bent plate.	more details
254	DIMO	[Reset Dim Value]	Restores dimension text to its measured value.	more details
255	MLB	[Draw Flush Box]	Generates a flush-mounted electrical box.	more details
256	HTEXT	[Create Text (Value Spacing)]	Creates text with absolute row spacing value	more details
257	ZP	[Label Elevation (Z-Value)]	Labels the Z-coordinate of a point.	more details
258	SLAMP	[Insert Signal Lamp]	Generates a signal lamp for schematics.	more details
259	BSD	[Insert Emergency Light]	Generates an emergency light for schematics.	more details
260	LJUMP	[Draw Wire Jump]	Generates a wire jump for schematics.	more details
261	RADD	[Attach Rectangle]	Attaches a rectangle to an existing rectangle.	more details
262	CSTEEL	[Draw Lip Channel]	Generates a lip channel.	more details
263	TCDS	[Insert Delta Capacitor]	Generates a delta-connected capacitor for schematics.	more details
264	JL	[Join Lines]	Joins collinear lines.	more details
265	LUT	[Insert Vertical Wire Label]	Creates text at the top or bottom of a vertical line for schematics.	more details
266	ACLS	[Insert AC Load Switch]	Generates an AC load switch for schematics.	more details
267	ACB	[Insert AC Circuit Breaker]	Generates an AC circuit breaker for schematics.	more details
268	padan0	[Draw Break Line (Freehand)]	Generates a freehand spline boundary by picking points.	more details
269	ACBORE	[Draw Counterbore]	Generates a metric counterbore.	more details

270	LAT	[Draw Aligned Arrowheads]	Places arrowheads at both ends of a line with aligned text	more details
271	DIST2	[Measure Delta (XY)]	Calculates delta(XY) between two points.	more details
272	ANO	[Number Table Cell]	Numbers table cells vertically.	more details
273	ACUR	[Insert AC Ammeter]	Generates an AC ammeter for schematics.	more details
274	DCUR	[Insert DC Ammeter]	Generates a DC ammeter for schematics.	more details
275	MG	[Merge Cells]	Merges table cells.	more details
276	SUM	[Sum Numbers]	Inserts the sum of selected numbers.	more details
277	SPLIT	[Split Cell (Hor)]	Splits table cells horizontally.	more details
278	SPLITV	[Split Cell (Ver)]	Splits table cells vertically.	more details
279	RECB	[Draw Heavy Rectangle]	Generates a heavy, colored rectangle.	more details
280	CROCUT	[Cross-Cut Rectangle]	Cross-cuts a rectangle	more details
281	ATR	[Trim Outside Area (Crop)]	Trims and removes all geometry outside a selected polyline.	more details
282	BFLG	[Draw Double Flanged Pipe]	Generates a pipe side view with flanges on both ends.	more details
283	KEYHS	[Draw Keyway Section]	Generates a keyway section.	more details
284	SBAN	[Draw Half Slot]	Generates a half-slot.	more details
285	CLL	[Draw Centerline (Max Circle)]	Generates centerlines based on the largest circle.	more details
286	SECTAA	[Draw Section Mark (A-A)]	Generates the 'A-A' section mark.	more details
287	2RBH	[Cut Open Bolt Hole]	Generates an open bolt hole with filleted entry corners.	more details
288	STCV	[Draw Cover Plate (4 Slots)]	Generates a steel cover plate with four open slots.	more details
289	BIGA2	[Draw Wide Filled Arrow]	Generates a wide-body solid filled arrow	more details
290	SPIPE	[Draw Stainless Pipe]	Generates a stainless steel pipe.	more details
291	EPIN	[Draw Ejector Pin]	Generates an ejector pin.	more details
292	CCT	[Insert Power Outlet]	Generates a 220V receptacle.	more details
293	HTX	[Draw Thru Hole (Section)]	Generates through-hole sections.	more details
294	PLTXT	[Label Polyline Length]	Labels polyline length.	more details
295	RSLOT	[Draw Round Slot]	Generates a round slot.	more details
296	CRCUT	[Inverse Fillet Corners]	Generates an invese fillet corner	more details
297	HANG	[Draw Keyhole]	Generates a keyhole slot for wall hangers.	more details
298	1p	[Increment Text Value]	Increments the value of selected text.	more details
299	COPYP	[Copy & Increment]	Copies objects with incremental numbering.	more details
300	CBLEA	[Label Counterbore]	Generates a counterbore callout.	more details
301	TAPLEA	[Label Tap]	Generates a tap callout.	more details
302	4CRV	[Draw 4 Top/Bot Circles Outside Rectangle]	Generates four circles vertically around a rectangle.	more details
303	4CRH	[Draw 4 Side Circles Outside Rect]	Generates four circles horizontally around a rectangle.	more details
304	SEKS	[Draw End Keyway]	Generates a shaft-end keyway section and plan.	more details
305	4CBRV	[Draw 4 Counterbores Vertical to Rectangle]	Generates four counterbores vertically around a rectangle.	more details

306	4CBRH	[4 Counterbores Horizontal to Rectangle]	Generates four counterbores horizontally around a rectangle.	more details
307	454C	[Draw 4 Diagonal Circles Outside Rect]	Generates four circles at 45-degree offsets from a rectangle.	more details
308	454Cb	[Draw 4 Diagonal C-Bores Outside Rect]	Generates four counterbores at 45-degree offsets from a rectangle.	more details
309	RRA	[Draw Round Rect Array]	Generates an array of rounded rectangles.	more details
310	RRA2	[Draw Round Rect Array (2-Col)]	Generates a two-column rounded rectangle array.	more details
311	LED	[Insert LED Light]	Generates an LED light for schematics.	more details
312	ETOC	[Move to Cell Center]	Repositions objects to the center of a cell.	more details
313	PCOM / MCOM	[Add / Remove Thousands Separator]	Adds thousands separators / Removes thousands separators.	more details
314	OFC	[Offset to Current Layer]	Offsets to the current layer.	more details
315	TOPY	[Convert Area (m ² to Pyeong)]	Converts area to Pyeong.	more details
316	FSIDE	[Draw Flange (Side View)]	Generates a flange side view.	more details
317	CM1,CM2,CM3,CM4,CM45,CM135	[Draw Center Mark]	Generates a Center of Gravity symbol.	more details
318	DT2	[Create Text (Ratio Spacing)]	Creates text with spacing as a ratio of text height.	more details
319	AH	[Draw Vent Pattern]	Generates a vent pattern	more details
320	EFi	[Non-Trimming Wire Fillet]	Generates a non-trimming fillet for schematics.	more details
321	ar0	[Draw Standard Arrow]	Generates a standard filled arrowhead.	more details
322	AUTOBK	[Batch Replace Title Blocks]	Globally replaces and rescales drawing frames across multiple files.	more details
323	BYLEN , Sai	[Select by Length / Select by Length Range]	Selects objects by specified length range	more details
324	AUTCEN , CENOFF	[Draw Multi-Center Mark]	Generates center marks for multiple circles.	more details
325	PFLG	[Add Flange to Pipe]	Generates a flange at a pipe end.	more details
326	SCD	[Edit Dim Style]	Modifies dimension style settings.	more details
327	RECo	[Join & Offset]	Joins and offsets a boundary.	more details
329	CL4	[Draw Centerline (2 Points)]	Generates a centerline on the center layer.	more details
330	ANOC	[Number Table Cell (Circled)]	Generates circled numbers in table cells.	more details
331	ATEXT	[Fill Multiple Cells]	Generates text within multiple cells.	more details
332	UREC	[Draw Off-Center Rect Cutout]	Generates an eccentric rectangle and trims internal geometry.	more details
333	GCOLOR, GLAYER	[Select Similar Object by Color / Layer]	Selects similar objects by color / Selects similar objects by layer.	more details
334	GBLOCK	[Select Similar Objects Blocks]	Selects similar objects by block.	more details
335	XDR	[Draw X in Rectangle]	Generates diagonal crossing lines within a rectangle.	more details
336	6LEA	[Draw Split Hex Leader]	Generates a bisected hexagon leader with two lines of text.	more details

338	2CCEN	[Center Line between Two Circles]	Generates a common centerline for two circles.	more details
339	2ACEN	[Center Line between Two Arcs]	Generates a common centerline for two arcs.	more details
340	mid	[Draw Center Line between Two Lines]	Generates a bisecting centerline between two lines.	more details
341	mint	[Move Object to Intersection Point]	Moves an object to a specified intersection.	more details
342	A90	[Rotate and Copy Object by 90 Degrees]	Generates a 90-degree rotated copy.	more details
343	pmove	[Project Points Vertically to Polyline]	Moves points to a polyline vertically.	more details
344	pmove2	[Orthogonal Point Projection to Polyline]	Moves points to a polyline perpendicularly.	more details
345	STD	[Stretch Distance (Simple Rectangle Stretch)]	Stretches a rectangle by a specified value.	more details
346	ZZ, ZZZ	[Quick Layer Freeze and Unfreeze]	Freezes and thaws layers identified by "DIM".	more details
347	DTODIM	[Move Dimensions to DIM Layer]	Reassigns dimension objects to the DIM layer.	more details
348	DCHG	[Add Suffix to Styles and Blocks]	Appends suffixes to dimension styles, text styles, and block names.	more details
349	RCTM	[Multiple Rectangle Centerlines]	Generates centerlines for multiple rectangles.	more details
350	XY	[Label XY Coordinates]	Generates a coordinate callout on a leader landing.	more details
351	MM	[Move Without Ghosting]	Moves an object without a source preview.	more details
352	AREPP	[Calculate & Area by Picking Points]	Generates area annotations via boundary detection.	more details
353	CDM	[Adjust Circle Distance (Horizontal/Vertical)]	Adjusts the spacing between two circles by a specified value.	more details
354	SDA	[Automated Shaft Dimensioning]	Automates shaft dimensioning	more details
355	DELC	[Batch Circles by Diameter]	Removes circles of a specified diameter.	more details
356	DELARC	[Batch Arcs by Diameter]	Removes arcs of a specified diameter.	more details
357	INSUL	[Automated Insulation Drawing]	Generates insulation batting by specified thickness.	more details
358	SSANG	[Automated Horizontal and Vertical Dimensioning for Pairs]	Generates symmetric dimension sets.	more details
359	45C	[Automated 45-Degree Chamfer Dimensioning]	Generates 45-degree chamfer callouts.	more details
360	ADAC	[Automatic Dimensioning for Arcs and Circles]	Generates dimensions for all selected circles and arcs.	more details
361	HOR	[Horizontal/Vertical Continuous Dimensioning]	Generates linear baseline and continuous dimensions.	more details
362	SELT	[Select Text Inside Polyline]	Selects text entities within a closed boundary.	more details
363	PLS	[Polyline Vertex Simplification]	Optimizes polyline geometry by reducing vertices.	more details
364	TTOL	[Move All Text to TEXT Layer]	Reassigns all text objects to the TEXT layer.	more details
365	TGL	[Toggle Text Layer Freeze/Thaw]	Toggles the freeze/thaw state of the TEXT layer.	more details
366	Mi2P	[2-Click Mirror]	Mirrors objects via reference line selection.	more details

367	TN	[2-Column Table Creation and Input]	Generates a two-column table with immediate data entry.	more details
368	WWW	[Multi-Point Fence Trim]	Trims objects via fence selection.	more details
369	RECF	[Draw Filled Rectangle from Point]	Generates a solid-filled rectangle from a mid-baseline point.	more details
370	ARD	[Draw Scalable Double-Headed Arrow]	Generates double-ended arrows.	more details
371	C90C	[90-Degree Rotate Copy for Circles]	Generates a 90-degree polar copy of two circles.	more details
372	C2PA	[Rotating Copy of Two Circles]	Generates polar copies at specified increments.	more details
373	TSE	[Text Sequence Edit]	Enables sequential text editing.	more details
374	SC2	[Simplified Scale with Reference]	Scales objects by specified reference.	more details
375	TR5	[Enhanced Trim/Erase]	Trims or erases non-selectable entities.	more details
376	SCOL	[Select Objects by Color in Area]	Filters selection sets by color.	more details
377	NUM	[Automatic Numbering in Circles]	Generates sequential balloon callouts.	more details
378	CX , CV	[Alternative Copy & Paste Shortcut]	Replaces standard Copy/Paste shortcuts.	more details
379	DLAY	[Objects on Selected Layer]	Erases all entities on the selected layer.	more details
380	MTOM	[Draw Connecting Lines Between Boxes]	Generates connector lines between boxes.	more details
381	DWGMG	[Insert Multiple Drawings into Current Drawing]	Merges external drawings from the local folder.	more details
382	W2	[Easy 2-Point Linear Dimension]	Generates dimensions between parallel lines.	more details
383	ALLC	[Centerline for Rectangles & Circles]	Generates centerlines for rectangles and circles.	more details
384	ARCC	[Automatic Arc Centerlines]	Generates centerlines for arcs.	more details
385	TEE	[Batch Text Replacement]	Executes batch text replacement.	more details
386	LY	[Align Vertical Leaders to Y-Axis Line]	Aligns vertical leaders to a reference line.	more details
387	FIXX	[Straighten Skewed Dimension Extension Lines]	Straightens ordinate dimension leaders.	more details
388	ARF	[Dimension Arrowhead Flip (CADian 2026 or higher)]	Inverts dimension arrowheads.	more details
389	DBLK	[Specified Block (Global)]	Erases global blocks by name.	more details
390	DM	[Move Dimension Line/Text with Two Clicks]	Relocates dimension components via two-point input.	more details
391	DLiP	[Linear Dimension with Automatic Phi (Ø) Symbol]	Generates linear dimensions with diameter symbol(Ø)	more details
392	DIMMG	[Merge Linear Dimensions]	Merges linear dimensions.	more details
393	SPT	[Extract Spline Vertex Coordinates & Draw Circles]	Plots circles at spline vertices.	more details
394	ASC2	[Shaft End Chamfer v2]	Chamfers shaft ends (v2).	more details
395	CDATA	[Circle Coordinate & Diameter Table (Hole Chart) Generator]	Generates hole charts from circles.	more details

396	PAT	[Extract Area by Point & Create Table]	Generates area tables by boundary detection.	more details
397	MHT	[Draw Through-Hole at Midpoint]	Generates through-holes at geometric midpoints.	more details
398	ECUT	[Cut Rectangular Notch at Midpoint]	Generates rectangular cutouts at geometric midpoints.	more details
399	PLTOP	[Draw Support Bracket Plan View]	Generates support plate plan views.	more details
400	2TEXT	[Insert Text on Both Sides of Leader]	Generates dual-text leaders.	more details
401	ECEN, EHID, EPHA, EDIM, ETEXT, ECIRCLE, DELARC, EHATCH	[Selective Object Deletion by Type]	Erases centerlines, hidden lines, phantom lines, dimensions, and text in a selected area. Erases circles, arcs, and hatches in a selected area.	more details