

Rat Rig

00. BOM & Machine Critical Dimensions

Written By: Rat Rig

Machine Volume			
Version	X (mm)	Y (mm)	Z (mm)
55	644.1	644.1	525.7
75	894.1	894.1	525.7
1075	894.1	1144.1	525.7
1050	644.1	1144.1	525.7
1010	1144.1	1144.1	525.7
1510	1144.1	1644.1	525.7
1515	1644.1	1644.1	525.7

Working volume			
Version	X (mm)	Y (mm)	Z* (mm)
55	281	288	113
75	531	538	113
1075	531	788	113
1050	281	788	113
1010	781	788	113
1510	781	1288	113
1515	1281	1288	113

* With no spoilerboard

Spoiler board dimensions		
Version	X (mm)	Y (mm)
55	346	500
75	596	750
1075	596	1000
1050	346	1000
1010	846	1000
1510	846	1500
1515	1346	1500

INTRODUCTION

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Step 1 — Critical Dimensions

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Step 2 — Organize your profiles and Lead Screws

KillerBee Variant (X/Y)	Lenghts (mm)													
	55	Qty	1050	Qty	7575	Qty	1075	Qty	1010	Qty	1510	Qty	1515	Qty
Z-Gantry C-Beam	250	1	250	1	250	1	250	1	250	1	250	1	250	1
X-Gantry C-Beam	500	1	500	1	750	1	750	1	1000	1	1000	1	1500	1
Y Axis C-Beam	500	2	1000	2	750	2	1000	2	1000	2	1500	2	1500	2
X-Gantry 2040 (Tapped)	500	1	500	1	750	1	750	1	1000	1	1000	1	1500	1
X Base 2040 (Tapped)	495	2	495	2	745	2	745	2	995	2	995	2	1495	2
Y Spoiler Support 2040	460	2	960	2	710	3	960	3	960	4	1460	4	1460	5
X Lead Screw	557	1	557	1	807	1	807	1	1057	1	1057	1	1557	1
Y Lead Screw	557	2	1057	2	807	2	1057	2	1057	2	1557	2	1557	2
Z Lead Screw	281	1	281	1	281	1	281	1	281	1	281	1	281	1

- Since there are multiple KillerBee variants, our guides won't mention profile and lead screw lengths, as these vary. Instead, the guide will refer to each profile and lead screw by the names described on the table. You may want to label/group these parts right now to prevent assembly mistakes and make your job easier.

