

Legal Input	Base Stats						Hit			Wound			Saves			Dmg			Misc		
	LN	HP	SP	AP	SA	SN	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT	HT
Unit																					
Terminator	6	3	0	0	0	0															
Battle Sister	11	3	0	0	0	0															
Genestealer	18	4	5	5	5	5															
Necron Warrior	12	4	4	4	4	4															
Marine	19	4	3	3	3	3															
Chosen	23	4	3	3	3	3															
Purgator	27.5	5	3	3	3	3															
Blade Dragoon	10.5	5	3	3	3	3															
Lyngbyrd	19	5	3	3	3	3															
Citrus Suit	65	5	3	3	3	3															
Terminator	40	6	4	4	4	4															
Bulgryn	30	6	4	4	4	4															
Inceptor	40	6	4	4	4	4															
Custodian	45	6	4	4	4	4															
Squad Sergeant	50	7	5	5	5	5															
Obsidian	80	7	5	5	5	5															
Raider	90	7	4	4	4	4															
Tyran Guard	66	8	3	3	3	3															
Rhino	80	8	3	3	3	3															
Cannibal	125	9	2	2	2	2															
Lord of Change	220	8	4	4	4	4															
Amplifier	140	10	3	3	3	3															
Wargear	220	2	4	4	4	4															
T. Chan	290	11	4	4	4	4															
Letman Russ	190	11	2	2	2	2															
Knight Despoiler	400	12	3	3	3	3															
Lord Ruler	260	12	2	2	2	2															
Tyranofex	200	12	2	2	2	2															
Knight Walker	450	13	2	2	2	2															

Max Hit Roll:
Enter the lowest roll that can hit this unit

Min Wind Roll:
Enter the lowest roll that can wound this unit

Light Cover:
Applies to armour saves vs shooting

Chaosman Saves:
Needs specific apoints

Ignore AP:
AP values of this number or lower are ignored

All in One:
Applies if the roll gets -1 to saves vs dmg 1

WW FNP:
Can No Death vs Moral Wounds

Dmg Type:
Lone models are not subject to overkill penalties.
Also used for Blast.

Dmg Types:
Lone types separated by " " Used by Filter

Note: All points are guesswork.

Average Damage Caused

Table with columns for Wound Penalty, Save Bonus, Hit Penalty, MW Save, Dmg Reduction, Limited Rerolls, Toughness, Save, Inv Save, FnP, Wounds, Points, and a grid of values for various units and weapons.

Main data table with columns for Unit, Weapons, Other, and a grid of numerical values representing damage caused by various units and weapons.

Table with columns for Unit, Weapons, Other, and a grid of numerical values, continuing the data from the main table.

Table with columns for Unit, Weapons, Other, and a grid of numerical values, continuing the data from the main table.

v6.2d 2023-06-18	Fixed interaction between AP 0 and 3+ saves in cover.
v6.2c 2023-06-17	Fixed interaction between wound penalties and 'Anti'. Fixed bug that caused FNP to not work against mortal wounds. Replaced divide by 0 error message in PPP sheet by ' - ' Fixed bug that broke flat mortals in excel version of the sheet.
v6.2b 2023-06-16	Fixed bug that caused 'Anti' to not work.
v6.2a 2023-06-16	Blank BS values are now allowed for Torrent weapons. Wound on Roll' and 'Crit on Roll' have been combined into a single 'Anti' column. Blast is now 0-N rather than 0-1. This accounts for the possibility of a single profile having multiple blast weapons. Fixed interaction between crits and light cover. Updated targets.
v6.1d 2023-06-06	AP values may now be specified as negative values as well as positive ones. The absolute value is used. Fixed bug introduced in 6.0a that caused reroll one die to hit/wound to no work properly.
v6.1c 2023-06-05	Fixed bug introduced in 6.1a that caused 'damage' coulmn to be used for number of attacks.
v6.1b 2023-06-05	Fixed bug introduced in 6.1a that caused rows ~50 onwards to not work.
v6.1a 2023-06-04	Minor GUI update. Fixed 'Blast' bug that caused Blast to make damage calculations throw errors. Made 'Attacks' column of 'Input' sheet more flexible: Any string on the format 'AdB+C' is valid for any int values of A, B and C. Fixed bug that in some cases made random damage not work correctly in Google Sheets version.
v6.0b 2023-06-02	Removed unused Targets rows to reduce file size. Fixed bug that caused dark mode to behave badly in google sheets version.
v6.0a 2023-05-29	Updated to 10th edition rules: - Crits, Sustained Hits, Lethal Hits, Devastating Wounds, Blast, Reroll a single roll of 1. Enabled cut/paste and row insertion/deletion in the Targets sheet. Added support for using multiple unit types for Filter and Targets. Updated targets.
v5.7a 2023-05-22	Enabled cut/paste and row insertion/deletion in the Input sheet.
v5.6c 2023-05-10	Fixed bug that made the 'End Attack' feature for mortal wounds to not work.
v5.6b 2023-02-02	Fixed bug that in rare cases made Transhuman and Transhitman to not work.
v5.6a 2023-01-30	Added Dark Mode: See setting in upper right of Input sheet. Added 'no ignore wounds' option. Added melee/ranged split for damage reduction. Bug fix: A blank armour save is now interpreted at a 7+ rather than as a 0+. Updated targets.
v5.5c 2023-01-24	Updated targets.
v5.5b 2023-01-06	

v5.1c 07.02.2022	Fixed damage 11-16 being broken. Fixed line 46 being broken. Changed reroll notation from 'n/6' to 'n' to avoid Google Sheets fraction/date bug.
v5.1b 2022-02-05	Removed rows 151-300 to reduce file size. Minor performance increase. Removed six enemy columns. Updated enemy stats.
v5.1a 2022-02-04	Fixed exploding 6s bug caused by last update. Replaced Talos by Stormsurge.
v5.0a 2022-02-03	Added descriptions of legal inputs. Shifted PPP color range downwards: - From (green = 1.5, yellow = 4, red = 10) to (green = 0.8, yellow = 2.8, red = 8) Fixed bug that caused mortal wounds to ignore FNP. Fixed poison bug. Added more damage profiles. Added a distinction between melee and ranged attacks. Updated enemy point costs, changed enemy selection. Added more special rules for attackers: - Auto hits - Auto wound on hit rolls - Reroll one failed hit roll - Auto wounds - Reroll one failed wound roll - Reroll damage rolls - Reroll 1 damage roll - Ignore invuls Added more special rules for defenders: - Invul saves vs melee. - Invul saves vs ranged. - Save vs mortal wounds. - No rerolls from melee - No rerolls from ranged
v4.1c 2021-12-21	Updated enemy stats.
v4.1b 2021-11-13	Bug fix: The armor value of the fourth enemy was hardcoded to 5, rather than being read from the enemies sheet.
v4.1a 2021-11-12	Added option to ignore overkill calculations. Added display of colour coded defensive abilities to output sheets. Reduced column widths for easier viewing. Update enemy stats.
v4.0a 2021-11-06	Updated reroll interaction with penalties. Added roll modifier caps. Added wound modifiers. Added exploding 6s to hit. Added damage reduction abilities. Added Ignore AP abilities. Added Transhuman Physiology. Updated stats for enemies. Updated user guide with new abilities and Enemies sheet. Added more syntax explanations to Input sheet.

	Rework of interactions between (random) damage, FNP and target wounds.								
v3.3b 2018-12-16									
	Updated point costs for enemies.								
v3.3a 2018-04-14									
	Added the option of letting a unit to choose weapon types based on the target.								
	Changed some enemies and updated point costs.								
v3.2e 2018-03-10									
	Fixed the title of the PPP sheet.								
v3.2d 2018-03-10									
	The 'rend dmg mod' sheet had the wrong formula from line 114 onwards.								
v3.2c 2018-02-05									
	Fixed a bug where poison did not respond to changing the targets vehicle status.								
v3.2b - Not uploaded									
	Bug fix								
v3.2a 2017-11-07									
	Fixed the interaction between to hit penalties and rerolls to hit.								
v3.2 2017-11-06									
	Added an optional input sheet for enemies.								
	Added support for to hit penalties for enemy targets.								
	Removed the partial support for Quatum Shielding.								
	Removed support for Rapacious Hunger.								
	Updated Hive Tyrant stats for enemy targets.								
	Replaced Bloodthirster with Daemon Prince in enemy targets.								
	Fixed an error that caused snipers with multiple attacks to cause too few mortal wounds.								
v3.1 2017-11-05									
	Fixed the chance to rend.								
	Updated the reroll to hit input to reflect the user manual.								
v3.0 2017-10-22									
	Major update.								
	Changes to the input sheet, making it more use friendly.								
	Reorganisation of the calculations, making the sheet easier to update later. This also fixed multiple errors, such as the interaction between rending and extra damage on a '6'.								
	Fixed the interaction between reroll to wound, and effects on a '6' to wound.								
	Fixed the broken reroll ones to hit, making it no longer apply twice.								
	Added Melta								
	Added All is Dust								
	Added user manual								
	Published on Github								