









# Glossary

**Action Point (AP):** An action point represents about 25% of all the activity a character can perform in a combat round.

**Ancestry:** Each life form is considered a separate ancestry. These are also referred to as the characters Species.

**Attribute:** A number from 1 to 101 that reflects one of the ten physical or mental qualities of a character. High scores in attributes are better than low scores. Also called Stats.

**Base Move (BM):** A character has a base movement of 4m. All other movement rates are calculated from the Base Movement.

**Blood Talent:** A talent used to differentiate one species from another.

**Critical:** A specific wound description and its effects in game terms.

**Defensive Bonus (DB):** The total of Stat and special bonuses deducted from an attack.

**Development Points [DP]:** Points used to build characters, buy skills and talents.

**Game Master [GM]:** The referee, a player with the special role of setting up the adventure and

controlling everything and everyone who is not a player character.

**Initiative:** A roll made at the start of a combat to decide what order events are resolved in.

**NPC:** A Non-Player Character, a character in the game controlled by the GM.

**Offensive Bonus (OB):** The total skill used when making an attack.

**PC:** A Player Character, a character in the game controlled by a player.

**Potential Stat:** Every ‘stat’ has the potential to reach 101. Stats tend to increase over time towards this potential cap.

**Rank:** A measure of training in a skill. No ranks equates to unskilled.

**Stat:** One of ten numbers that describe a character’s strengths and weaknesses. Also called Attributes.

**Temporary Stat:** The current value of a character’s Stat. These may go down through injury or may go up through training.

## The Bare Metal Universe

These base rules do not contain any setting or genre information. You may develop and adapt these rules to any setting that you like.



# Credits

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**Thanks To:** tbd.

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## Creating a Character

The first step in playing Bare Metal is to create a character. If you are going to be the GM, then you need to be au fait with creating characters to both be able to assist your players in creating their characters and so you can create the great number of Non-Player Characters [NPCs] that will populate your universe.

Characters are created by combining stats, that define the characters mental and physical characteristics; a species/ancestry that can confer a mix of advantages and disadvantages called talents and flaws. A culture confers skills common to people from that background and a profession. You can then customize the character by buying additional skills. The final stage is to add a description and background to your character; after that, you are ready to play. It typically takes 20 minutes to create a character from scratch.

## Attributes/Stats

Each character has ten attributes that describe their physical and mental strengths and weaknesses. High attributes give a bonus to actions, and low attributes give a penalty.

For ease of use, these Attributes are shortened to 'stats', and the bonus or penalty is 'stat bonus'.

Every skill has three stats attached to it, and the total of all the stat bonuses are added to the skill total before making a roll.

## Rolling Stats

When creating your character, you will make ten d100 rolls. Any result under 21 may be re-rolled once, but the new result must be kept.

These ten results are then assigned to the character's stats in any order that the player chooses.

If the character does not have any stats over 90 at this point, the two lowest stats can be elevated to 90. This rule only applies to Player Characters and important NPCs, not to normal people, who should be considered to be about average for most stats.

## Stat Bonuses

The stat bonus is calculated as  $(\text{Stat}-50)\div 3$ . Any fractional part is discarded, so the number is always rounded toward zero. A stat of 100 will give a stat bonus of +16. A stat of 20 gives a stat bonus of -10. A truly average individual will have no bonuses at all, or they will tend to cancel out.

## Temporary vs Potential

The stats you roll are your temporary stats. That is the value right now. Some things can reduce your temporary Stat, such as a serious wound or injury. You can always improve your temporary Stat and strive to achieve your true potential.

Every character can reach a potential of 101 in every Stat.

Stat increases are covered later under 16.2 on page 80.

## Character Stats

There are ten Stats. There are four physical; Constitution [Co], Agility [Ag], Strength [St], Quickness [Qu]; and six mental; Self Discipline [Sd], Reasoning [Re], Memory [Me], Presence [Pr], Intuition [In], and Empathy [Em].

The convention on abbreviating the Stat names is to capitalize the first letter and lowercase second letter, so they become Co, Ag, St, Qu, Sd, Re, Me, Pr, In and Em.

You can now roll your characters stats and assign them in the order that best helps model the character you would like.

## Character Creation Example

Stephen is going to create a new character. Making ten d100 rolls, he gets the following numbers.

24, 31, 43, 46, 69, 69, 82, 84, 86, 95

The best result is a 95, so the option to boost the two lowest rolls to 90 does not apply. Stephen assigns the rolls to this character's Stats like this. The Bonuses are added into the bonus column.

A character's Defensive Bonus [DB] is their Quickness bonus times three.

## Resistance Modifiers

- Coordination/Reaction (Ag/Qu)
- Willpower/Determination (Sd/Re)
- Resilience/Toughness (St/Co)
- Resolve/Tranquility (Pr/Em)
- Wits/Knowledge (Me/In)

## Character Creation Example

TBD.

## Appearance

How a character looks has no impact on game mechanics. You may make a character any size, shape, gender or of any appearance as you see fit.

## Derived Stats

## Defensive Bonus

| Stat            | Temp | Bonus | Species | Total |
|-----------------|------|-------|---------|-------|
| Constitution    | 31   | -6    |         |       |
| Agility         | 43   | -2    |         |       |
| Self Discipline | 69   | +6    |         |       |
| Reasoning       | 69   | +6    |         |       |
| Memory          | 95   | +15   |         |       |
| Strength        | 86   | +12   |         |       |
| Quickness       | 46   | -1    |         |       |
| Presence        | 24   | -8    |         |       |
| Intuition       | 82   | +10   |         |       |
| Empathy         | 84   | +11   |         |       |

| Resistances             | Bonus |
|-------------------------|-------|
| Coordination/Reaction   | -3    |
| Resilience/Toughness    | +6    |
| Willpower/Determination | +12   |
| Wits/Knowledge          | +25   |
| Resolve/Tranquility     | +3    |



## Ancestry/Species

An ancestry (or species) is defined using Talents and Flaws. Each ancestry receives a net 15 points to spend on Talents; additional points may be gained and spent by taking a Flaw. Talents have a point cost, and Flaws have a negative point costs, they give you points back that you can spend on more talents. See chapter 4.0 for a list of Talents and Flaws.

## Mixed Ancestry/Species

Most species have a dominant Talent where they have two tiers and a regressive Talent where they have a single tier. Some species will have genetic Flaws that confer a penalty, but these are balanced by having additional Talents. If you want to create mixed heritage species, you may mix the Talents and flaws from the two 'parents'. You may have no more tiers in a Talent than either parent possessed, you may only choose blood Talents that the parents possessed, and you may only take a net of 15 points in Talents in total.

### Example Ancestry, the Brute

The Brute is a physically powerful alien race. They could be seven foot tall, furry and exceptionally angry or human-sized warrior insects. The actual physical description is either for the GM to decide or to be agreed between player and GM.

Brutes get the two tiers of the Toughness Blood Talent and one tier in Physique.

Total bonuses are +10 Co, +5 St.

### Human

Humans receive one tier in Self Awareness, one tier in Toughness and one tier in Physique.

Total bonuses are +5 Co, +5 Em and +5 St.

## Race Creation Example

Stephen wants to create a unique race for his character. The concept is that in the years before faster than light travel was discovered, humans first explored space using generation ships. The crews that left Earth knew they would never return, and it was the descendants of those crews that would eventually reach their destinations. This new race is a derivative of humans that were separated for thousands of years within a generation ship that eventually stumbled upon a star system that had been colonized millennia after the generation ship had left earth.

Stephen goes on to flesh out more details of what makes this species unique and different to standard humans. He calls the species 'First Wave Humans' as they consider themselves the first wave of human expansion.

This race of spaceship confined humans gains one tier in Enhanced Hearing +5 to Perception Skill Tests and +10 to Self Discipline.

| Stat            | Temp | Bonus | Species | Total |
|-----------------|------|-------|---------|-------|
| Constitution    | 31   | -6    |         | -6    |
| Agility         | 43   | -2    |         | -2    |
| Self Discipline | 69   | +6    | +10     | +16   |
| Reasoning       | 69   | +6    |         | +6    |
| Memory          | 95   | +15   |         | +15   |
| Strength        | 86   | +12   |         | +12   |
| Quickness       | 46   | -1    |         | -1    |
| Presence        | 24   | -8    |         | -8    |
| Intuition       | 82   | +10   |         | +10   |
| Empathy         | 84   | +11   |         | +11   |



where acute hearing is an advantage.

**Insect Eyes** – 15DP/Tier This is an all or nothing blood talent, the species either has insectoid eyes or not so a single tier is all that is required. The species receives no penalties to Perception skill tests when the threat is to the flank or rear. Only half penalties apply when engaged with Invisible foes.

**Latent Psionic** – 15DP/Tier This talent gives a character the potential to unlock their psionic abilities. Without this talent a character may not develop their psionic power or learn any meditations. You may only buy this talent once.

**Stat Talent** – 5DP/Tier

- Physique – +5st Bonus/Tier
- Toughness – +5Co Bonus/Tier
- Discipline – +5Sd Bonus/Tier
- Self Awareness – +5Em Bonus/Tier
- Insightful – +5In Bonus/Tier
- Charismatic – +5Pr Bonus/Tier
- Logic – +5Re Bonus/Tier
- Knowledgeable – +5Me Bonus/Tier
- Celerity – +5Qu Bonus/Tier
- Suppleness – +5Ag Bonus/Tier

## Blood Flaws

**Weak Constitution** – -5DP/Tier -5Co/Tier This species is relatively weak compared to the norm. Possibly due to coming from a low gravity world where they do not need to build up as much muscle mass.

**Sluggishness** – -5DP/Tier; -5Qu Bonus/Tier

**Slow Healing/Recovery** – -1DP/Tier: add +5% to Healing and Recovery times per Tier.

## Talents and Flaws

Talents are split into two types. Blood Talents are used for creating species and Personal Talents are special abilities that the character may possess. These rules will give just the barest minimum of Blood Talents. As new species are introduced, new Blood Talents will be added.

All Talents are described as tiers. For example, the Toughness Talent gives +5 Co bonus per tier. A species with two tiers in Toughness will game a +10 Co bonus.

All species receive 15 points worth of blood talents and no talent may cost more than 15 points for a single tier.

Some Talents may be bought more than once, and every tier bought provides additional bonuses. Other talents are all or nothing. Latent Psionic is an example of an all or nothing talent. With it, a character may use Meditations and Gifts; without it they cannot.

Talents, even blood talents may be used to define a profession or species. If a talent is applied twice, such as a psionic species takes a psionic profession, the GM may reimburse the character with the DP that had been spent twice.

### Flaws

Flaws are genetic weaknesses. These cost negative points.

## Blood Talents

**Enhanced Hearing** – 5DP/Tier +5/Tier to Perception skill test that are dependent on the sense of hearing or



## Culture

Each character has a culture that reflects the society where they spent their early life and formative years. This culture bestows 17 skill ranks on the character. These ranks may be recorded directly on to the character record.

Many of the cultural skills allow for specializations such as Music. In this case the player may either place all the ranks in a single specialism or spread the ranks over multiple skills. A character with three ranks in Performing Arts could take three ranks in Singing or a single rank in each of Singing, Dance and Playing the Guitar.

The example cultures are:

### Cosmopolitan

Cosmopolitan: Characters from this culture come from worlds and cities that see all types of life and influence.

Driving 2 ranks Languages 5 ranks Local Knowledge 1 rank Music: Instrument 1 rank First Aid 2 ranks Scanners 2 ranks Science: General 2 ranks Swimming 1 rank Physique 1 rank

### Harsh

Harsh: Harsh worlds breed tough inhabitants. These are either worlds with hostile environments or fringe worlds where modern technology is often just too expensive.

Climbing 2 rank Languages 5 ranks Local Knowledge 2 rank Music: Instrument 1 rank First Aid 2 ranks Scanners 1 rank Science: General 1 rank Swimming 1 ranks Physique 2 ranks

### Marine

Marine: The marine culture is one where the inhabitants live mostly on water or under the oceans.

Pilot (marine) 1 rank Languages 5 ranks Local Knowledge 1 rank Music: Instrument 1 rank First Aid 2 ranks Scanners 1 rank Science: General 1 rank Swimming 3 ranks Physique 2 ranks

## Star faring

Star faring: Star farers have no homeworld, they are born and bred on board ships or space stations, and for them, shipboard life is the norm.

Space Pilot 2 ranks Languages 5 ranks Music: Instrument 1 rank First Aid 2 ranks Scanners 2 ranks Science: General 2 ranks Space Navigation 1 rank Trickery 1 rank Physique 1 rank

Note, changing Space Pilot, Space Navigation and Scanners for their naval equivalent would create a seafaring culture, such as pirates.

### Reaver

Reaver: Reaver culture is based on raiding and piracy. This is the most violent of cultures.

*Climbing 2; Pilot 2; Languages 1; Local Knowledge 2; Music: Instrument 1; First Aid 2; Weapon#1 1; Weapon#2 1; Science: General 1; Swimming 2; Physique 2*

### Subterranean

Subterranean: Often, the conditions on the surface of a world are too hostile to support life, but below the surface, thriving cities spread out and grow around the richest resources.

Space Pilot 2 ranks Languages 5 ranks Music: Instrument 1 rank First Aid 2 rank Scanners 2 rank Science: General 2 rank Space Navigation 1 rank Trickery 1 rank Physique 1 rank

### Provincial

Provincial: Provincial worlds and rural culture is often a simple life. The worlds are often young but not as hostile to life as they could be. Often the dividing line between a harsh world and a provincial world is that provincial worlds produce surpluses that they can export and they buy in luxuries they cannot produce themselves.

Climbing 1 rank Driving 1 rank Languages 4 ranks Local Knowledge 1 rank Music: Instrument 1 rank First Aid 1 rank Riding 1 rank Scanners 2 ranks



Science: General 1 rank Swimming 2 ranks Physique  
2 ranks

## Creating Your Own Cultures

Each culture contains 17 ranks of skills from across all the categories. Building your own cultures will add a level of detail to your game universe. You could have multiple cultures within a single nation where people are repressed and have less access to education but the ruling classes value sciences and the arts.

### Character Creation Example

Stephen chooses the Star faring culture for his character and adds the following skills to his character sheet

Space Pilot 2 ranks Languages 5 ranks  
Music: Instrument 1 rank First Aid 2  
ranks Scanners 2 ranks Science: General  
2 ranks Space Navigation 1 rank  
Trickery 1 rank Physique 1 rank



## Professions

Professions are represent using two features. The first is a unique set of Professional skills

Each profession has its own set of skill costs that reflect the profession's strengths and weaknesses.

Each character may select ten skills from across all categories in which to specialize. These allow a player to refine and personalize their character. These are the characters 'Preferred Skills'. For more on skills is chapter 7.0 Skills.

Skill Costs are listed in the format x/X with a lower and a higher cost. The first time the skill is bought, at each level, the lower cost is paid. Each time after the first time, the higher cost is used. Intensively training a skill is very expensive in development points. A skill with the same number on both sides of the oblique e.g. 3/3 means that every rank will cost 3 DP.

**Example:** If Riding: Horse cost 2/4, buying one rank would cost 2 DP. Buying two ranks would cost 6DP (2+4), buying three ranks would cost 10DP (2+4+4).

## Secondary Skills

Secondary skills are potentially infinite and very much dependent on setting and character background. They can be as varied as Anthropology to Weaving.

Rather than buying a great many skills to try and describe a character's particular background, many secondary skills can be covered by a single skill called Vocation.

Vocation always has an attached specialism such as Vocation: Diplomat. In this instance, most day to day tasks relating to diplomacies such as knowing the correct forms of address or the way that embassy bureaucracy operates would all be tested using the single skill.

Skills that have a direct impact on core areas of the game such as Combat, Maneuvers or Psionics should not be rolled into Vocations but created as distinct secondary skills.

**Example:** A character has Vocation: Thief.

The vocation skill allows them to take an impression of a key so they can make a copy later but not to crack a safe as that would be a significant static maneuver.

The vocation skill costs 2/4 for all professions, and a character may have several different vocation skills to best reflect their prior history and learning. The GM will need to assign three stats to be used with vocations on a case by case basis.

All secondary skills cost 2/4 for all professions. As a GM you do not need to define all the possible secondary skills before play starts. If a player tells you they want to study to become a Computer Hacker, you could make them buy Technical: Computer or decide that Hacking is a definite skill in its own right. In that case, you add it to the list of available Secondary Skills. The cost will be 2/4 and the three stat bonuses will be the same as the closest core skill unless you decide that others will be more suitable. The skill will always have three stat bonuses.

## Creating Your Own Professions

It is expected that you will create your own professions. All professions receive 50 development points of skill ranks or talents as basic training.

Each profession also has a unique set of skill costs.

- All skills that are absolutely core to the profession are costed at 1/3.
- Skills that are important to the profession are costed at 2/4.
- Skills that are outside the professions realm are costed at 5/7.
- Skills that are alien to the profession are costed at 7/10.
- Skills that are restricted to specific professions are costed at 12/15.

Although this skill has a cost, it cannot be bought without the GM's express permission.

## Example Professions

### Aristocrat

Aristocrats are the galactic senators, planetary nobles, military officers, and any other of thousands of beings that make their way in the galaxy through force of personality.

They can also be con-artists, gamblers or grifters. Whether genuine or ignoble, the Aristocrat specializes in using their silver tongue to help them survive. They inspire allies, intimidate enemies, and talk their way into, or out of, almost anything.

Because of their unique skill set, Aristocrats often play a support role in a party of galactic explorers. They are rarely frontline fighters, although in the case of Aristocrats with military backgrounds, they may often surround themselves with soldiers and Assistants who they command with deadly efficiency.

### Professional Skills:

*Weapon#1 2, Swimming 1, Riding 1, Perception 1, Driving 2, Scanners 1, Space Pilot 2, Physique 2, Vocation(\*) 2, First Aid 1*

(\*) You should choose a vocation specialism to fit your character concept such as Vocation: Politician or Vocation: Academic.\*

### Skill Cost Table, Aristocrat

#### Combat

|          |     |                  |     |
|----------|-----|------------------|-----|
| Weapon 1 | 2/4 | Move in Armor CE | 5/7 |
|----------|-----|------------------|-----|

|          |     |                  |     |
|----------|-----|------------------|-----|
| Weapon 2 | 3/5 | Combat Expertise | 3/5 |
|----------|-----|------------------|-----|

|          |      |  |  |
|----------|------|--|--|
| Weapon 3 | 7/10 |  |  |
|----------|------|--|--|

#### General

|                     |     |          |     |
|---------------------|-----|----------|-----|
| Acrobatics/Tumbling | 2/4 | Climbing | 3/5 |
|---------------------|-----|----------|-----|

|          |     |        |     |
|----------|-----|--------|-----|
| Swimming | 3/5 | Riding | 2/4 |
|----------|-----|--------|-----|

|            |     |            |     |
|------------|-----|------------|-----|
| Pick Locks | 3/5 | Stalk/Hide | 5/7 |
|------------|-----|------------|-----|

|            |     |         |     |
|------------|-----|---------|-----|
| Perception | 3/5 | Driving | 2/4 |
|------------|-----|---------|-----|

|               |      |           |     |
|---------------|------|-----------|-----|
| Ambush/Sniper | 7/10 | Languages | 1/1 |
|---------------|------|-----------|-----|

|          |     |       |     |
|----------|-----|-------|-----|
| Physique | 2/4 | Music | 2/4 |
|----------|-----|-------|-----|

|          |     |  |  |
|----------|-----|--|--|
| Trickery | 5/7 |  |  |
|----------|-----|--|--|

#### Mental

|              |     |                      |       |
|--------------|-----|----------------------|-------|
| Mental Focus | 2/4 | Mental Focus Defense | 12/15 |
|--------------|-----|----------------------|-------|

|         |     |          |      |
|---------|-----|----------|------|
| Forgery | 5/7 | Survival | 7/10 |
|---------|-----|----------|------|

|           |     |          |     |
|-----------|-----|----------|-----|
| First Aid | 3/5 | Scanners | 3/5 |
|-----------|-----|----------|-----|

#### Pilot

### Skill Cost Table, Aristocrat

|              |     |             |     |
|--------------|-----|-------------|-----|
| Combat Pilot | 5/7 | Space Pilot | 5/7 |
|--------------|-----|-------------|-----|

|                  |     |                  |     |
|------------------|-----|------------------|-----|
| Hyperspace Pilot | 5/7 | Space Navigation | 5/7 |
|------------------|-----|------------------|-----|

|              |      |  |  |
|--------------|------|--|--|
| Ship Sensors | 7/10 |  |  |
|--------------|------|--|--|

#### Technical

|                  |     |            |     |
|------------------|-----|------------|-----|
| Tech: Mechanical | 3/5 | Tech: Arms | 3/5 |
|------------------|-----|------------|-----|

|                |     |           |     |
|----------------|-----|-----------|-----|
| Tech: Computer | 3/5 | Tech: CSI | 5/7 |
|----------------|-----|-----------|-----|

|               |     |  |  |
|---------------|-----|--|--|
| Tech: Medical | 3/5 |  |  |
|---------------|-----|--|--|

#### Science

|              |     |           |     |
|--------------|-----|-----------|-----|
| Sci: General | 2/4 | Sci: Xeno | 2/4 |
|--------------|-----|-----------|-----|

#### Engineering

|                |     |                  |     |
|----------------|-----|------------------|-----|
| Engineer: Mech | 5/7 | Engineer: Weapon | 5/7 |
|----------------|-----|------------------|-----|

|                    |     |                    |     |
|--------------------|-----|--------------------|-----|
| Engineer: Software | 5/7 | Engineer: Hardware | 5/7 |
|--------------------|-----|--------------------|-----|

#### Psionics

|               |       |                  |       |
|---------------|-------|------------------|-------|
| Psionic Power | 12/15 | Meditation/Gifts | 12/15 |
|---------------|-------|------------------|-------|

### Armsman

Call them bounty hunters, bodyguards, or soldiers of fortune — they all fall into the Armsman category. These are the men and women specializing in all types of combat. Clad in Heavy Armor and armed with the latest technology and weapons, they live (and die) by the laser and whatever else they can use to fight with.

More than any other class, the Armsman relies on her equipment as she explores the stars. With the latest technology, she's able to defend her companions from the deadliest threats from across the universe. Armsmen are capable of using any piece of military technology and they don't hesitate to do so. They're an asset to any party and are often the vanguard of battle, and that's just how they like it!

### Professional Skills:

*Move in Armor 2, Weapon#1 2, Weapon#2 2, Weapon#3 1, Combat Expertise 2, Ambush 2, Physique 2, Survival 2, First Aid 2, Tech: Arms 1, Engineer: Wpn 1, Science: General 1, Vocation: Armsman 2*

An Armsman will need to choose a Combat Expertise specialization which should fit with their character background.

### Skill Cost Table, Armsman

**Skill Cost Table, Armsman***Combat*

|          |     |                     |     |
|----------|-----|---------------------|-----|
| Weapon 1 | 1/3 | Move in Armor<br>CE | 1/3 |
| Weapon 2 | 2/4 | Combat<br>Expertise | 1/3 |
| Weapon 3 | 3/5 |                     |     |

*General*

|                     |      |            |     |
|---------------------|------|------------|-----|
| Acrobatics/Tumbling | 2/4  | Climbing   | 2/4 |
| Swimming            | 2/4  | Riding     | 3/5 |
| Pick Locks          | 7/10 | Stalk/Hide | 3/5 |
| Perception          | 3/5  | Driving    | 3/5 |
| Ambush/Sniper       | 1/3  | Languages  | 3/3 |
| Physique            | 1/3  | Music      | 3/5 |
| Trickery            | 5/7  |            |     |

*Mental*

|              |     |                         |       |
|--------------|-----|-------------------------|-------|
| Mental Focus | 5/7 | Mental Focus<br>Defense | 12/15 |
| Forgery      | 5/7 | Survival                | 1/3   |
| First Aid    | 1/3 | Scanners                | 2/4   |

*Pilot*

|                  |      |                     |      |
|------------------|------|---------------------|------|
| Combat Pilot     | 5/7  | Space Pilot         | 7/10 |
| Hyperspace Pilot | 7/10 | Space<br>Navigation | 7/10 |
| Ship Sensors     | 7/10 |                     |      |

*Technical*

|                  |      |            |     |
|------------------|------|------------|-----|
| Tech: Mechanical | 5/7  | Tech: Arms | 2/4 |
| Tech: Computer   | 7/10 | Tech: CSI  | 5/7 |
| Tech: Medical    | 5/7  |            |     |

*Science*

|                    |     |                       |     |
|--------------------|-----|-----------------------|-----|
| Sci: General       | 5/7 | Sci: Xeno             | 5/7 |
| Engineering        |     |                       |     |
| Engineer: Mech     | 2/4 | Engineer:<br>Weapon   | 1/3 |
| Engineer: Software | 5/7 | Engineer:<br>Hardware | 5/7 |

*Psionics*

|               |       |                  |       |
|---------------|-------|------------------|-------|
| Psionic Power | 12/15 | Meditation/Gifts | 12/15 |
|---------------|-------|------------------|-------|

**Mystic**

The Mystic is an exotic being who has tapped into mysterious power unfathomable by most others. Whether they're little green gnomes with powerful magic or human psychics, the Mystic reflects a more peaceful, introspective, and thoughtful being than is

usually found in the galaxy at large. That is not to say that Mystics are pacifists. Many are trained in the ways of war, though it is not their first course of action. They would much prefer to rely on their exotic abilities than a laser pistol, but pragmatism demands adaptation.

**Professional Skills:**

*Physique 1, Survival 1, First Aid 1, Psionic Power 2, Meditation #1 1, Meditation #2 2, Meditation #3 3, Meditation #4 4, Vocation: Mystic 2*

**Professional Talent:**

Latent Psionic 1/Tier

**Skill Cost Table, Mystic***Combat*

|          |      |                     |     |
|----------|------|---------------------|-----|
| Weapon 1 | 2/4  | Move in Armor<br>CE | 5/7 |
| Weapon 2 | 3/5  | Combat Expertise    | 5/7 |
| Weapon 3 | 7/10 |                     |     |

*General*

|                     |      |            |     |
|---------------------|------|------------|-----|
| Acrobatics/Tumbling | 5/7  | Climbing   | 5/7 |
| Swimming            | 5/7  | Riding     | 5/7 |
| Pick Locks          | 7/10 | Stalk/Hide | 5/7 |
| Perception          | 2/4  | Driving    | 3/5 |
| Ambush/Sniper       | 7/10 | Languages  | 2/2 |
| Physique            | 3/5  | Music      | 2/4 |
| Trickery            | 5/7  |            |     |

*Mental*

|              |     |                         |       |
|--------------|-----|-------------------------|-------|
| Mental Focus | 2/4 | Mental Focus<br>Defense | 12/15 |
| Forgery      | 5/7 | Survival                | 7/10  |
| First Aid    | 3/5 | Scanners                | 3/5   |

*Pilot*

|                  |      |                  |      |
|------------------|------|------------------|------|
| Combat Pilot     | 7/10 | Space Pilot      | 7/10 |
| Hyperspace Pilot | 7/10 | Space Navigation | 7/10 |
| Ship Sensors     | 7/10 |                  |      |

*Technical*

|                  |      |            |     |
|------------------|------|------------|-----|
| Tech: Mechanical | 5/7  | Tech: Arms | 5/7 |
| Tech: Computer   | 7/10 | Tech: CSI  | 3/5 |
| Tech: Medical    | 3/5  |            |     |

*Science*

|              |     |           |     |
|--------------|-----|-----------|-----|
| Sci: General | 3/5 | Sci: Xeno | 3/5 |
|--------------|-----|-----------|-----|

*Engineering*

|                |     |                  |      |
|----------------|-----|------------------|------|
| Engineer: Mech | 5/7 | Engineer: Weapon | 7/10 |
|----------------|-----|------------------|------|

**Skill Cost Table, Mystic**

|                    |      |                    |     |
|--------------------|------|--------------------|-----|
| Engineer: Software | 7/10 | Engineer: Hardware | 5/7 |
| <i>Psionics</i>    |      |                    |     |
| Psionic Power      | 1/3  | Meditation/Gifts   | 1/3 |

**Character Creation Example**

Stephen chooses to make his character an Aristocrat. He sees his character as a low ranking diplomat or envoy.

He adds these skills to his character sheet. His skills now look like this.

*Weapon#1 2; Swimming 1; Riding 1; Perception 1; Driving 2; Scanners 3; Space Pilot 4; Physique 3; Vocation: Diplomat 2; First Aid 3; Languages 5; Music: Instrument 1; Science: General 2; Space Navigation 1; Trickery 1*

Adding these to the character sheet Stephen can then add in the stat bonuses and special bonuses (in this case from his acute hearing talent.)

| Skill              | Rank | Bonus | Stat | Special | Total |
|--------------------|------|-------|------|---------|-------|
| Driving            | 2    | 10    | +19  |         |       |
| First Aid          | 3    | 15    | +27  |         |       |
| Languages          | 5    | 25    | +32  |         |       |
| Music: Singing     | 1    | 5     | +24  |         |       |
| Perception         | 1    | 5     | +27  |         | +5    |
| Physique           | 3    | 15    | +22  |         |       |
| Riding             | 1    | 5     | +3   |         |       |
| Scanners           | 3    | 15    | +31  |         |       |
| Sci: General       | 2    | 10    | +31  |         |       |
| Space Nav          | 1    | 5     | +32  |         |       |
| Space Pilot        | 4    | 20    | +14  |         |       |
| Swimming           | 1    | 5     | +26  |         |       |
| Trickery           | 1    | 5     | +14  |         |       |
| Vocation: Diplomat | 2    | 10    |      |         |       |
| Pistol             | 2    | 10    | +8   |         |       |



## Skills

Skills are the core way in which characters differentiate themselves. Two Armsman may have wildly different skill sets with one preferring concealed weapons and training in observation as a bodyguard and another trained in the heavy armor and weapons of a space marine.

There are four types of skills. Simple Skills, Combat Expertise Skills, Combat Skills and Psionic skills. Any skill marked with a CE is a Combat Expertise.

Simple skills may be used in two ways. The first is a straight test of skill where an open ended roll is made, the skill total is added to the roll and difficulty factors are subtracted. If the result is 100+ the skill test succeeds. Skills may also be used as subject knowledge. Having a skill in Music: flute would allow you to play the flute but it would also allow you to recognize a quality instrument and to make simple repairs and carry out maintenance.

Combat expertise skills can only be used to reduce penalties. The most common is Move in Armor. As armor may be restrictive and encumbering, this skill reflects the training in using armor effectively and reduces the encumbrance penalties associated with using armor. There could be an infinite number of combat expertise skills such as using two weapons at the same time, or fighting while blind using your other senses. These should be discussed between GM and player before buying the skill.

Combat Skills do not use the 101+ success or failure mechanic. Combat skills use an open ended roll, plus skill total and any other bonuses and any penalties are deducted. The final result is compared to a combat table and the result of the attack is read off the table. A better combat skill roll will do more damage than a poor skill roll even if both attacks hit their target.

Psionic skills use special rules that are explained in the chapter 10.0 Psionics, see page 42.

## Skill Bonuses

Skills are designed to give diminishing returns. Simple Skills, Combat Expertise Skills, Combat Skills all use this tailing off of benefits.

- The first 10 ranks in a skill give a +5 skill bonus per rank.
- The second 10 ranks in the skill gives +2 bonus per rank.
- All ranks beyond the 20th rank give a +1 bonus per rank.

If you have no ranks in a skill you may still attempt it at your GM's discretion. Some things are simply not possible without some training. For example, without some basic knowledge developing a vaccine for an alien disease is simply not possible regardless of how well you roll. Such unskilled attempts are made with a skill bonus of -25 although you may still apply Stat bonuses which may reduce that penalty. If you have a related skill the GM may allow you to use some or all of your related skill bonus. If you are skilled in playing the flute and are confronted with an alien musical instrument that is still woodwind in principle then the GM may allow you to use your flute skill but apply a substantial difficulty factor. If the instrument was more like a guitar then this is much less similar but the principles of reading music or following a tune remain the same. The GM may allow you to use the number ranks you have in flute as your skill bonus plus your stats for playing such a different instrument.

## Professional Skills

Each character may select 10 specific skills to be their professional skills. Some GMs may have already designated up to five of these for you. If you had Weapon1:Laser Pistol and Weapon2:Laser Rifle despite them both being lasers they would count as different skills. The same would apply to different musical instruments or regions of local knowledge.

Once a skill is chosen the character gains +2 skill bonus for every rank the character knows in that specific skill up a maximum of +40.

## Adding New Skills

The skills presented here are only a tiny proportion of all the skills that GMs may want to use. If you want to run a game of futuristic espionage you may want to expand the number of skills for that genre. At the moment the skills are intended to cover multiple situations. For example the Climbing skill would also cover abseiling and rappelling as well as climbing.



These skills could easily be broken out to create new skills.

You may also want to create specialisms. For example there is at present only one Pick Locks skill but that could be easily turned into two or more skills such as Pick Locks: Mechanical and Pick Locks: Electronic.

For completely new skills the costs must be set for each profession in play. New Combat Expertise skills may be introduced to reflect special training.

Example: Combat Awareness CE could reduce the penalty for making perception skill tests using less than the normal number of Action Points.

There is a ladder of skill costs. You decide the relationship between the skill and the profession.

| Std.  | Alt. | Cost Level                                   |
|-------|------|--|
| 1/2   | 1    |  |
| 1/3   | 1    | A core skill                                 |
| 2/2   | 2    |  |
| 2/3   | 2    |  |
| 2/4   | 3    | A related skill                              |
| 3/4   | 3    |  |
| 3/5   | 4    | The basic cost for all skills                |
| 4/6   | 5    |  |
| 5/7   | 6    | A skill that is unusual for the profession   |
| 6/8   | 7    |  |
| 7/10  | 8    | The skill is totally alien to the profession |
| 9/12  | 9    |  |
| 12/15 | 10   | Restricted                                   |

Between each base cost (1/3, 2/4, 3/5 etc.) are unused costs. These are used for further differentiation. For example, if you created a Special Forces profession and wanted to differentiate it from the regular Armsman you could cost Survival and Ambush/Sniper skills one step cheaper than the Armsman while compensating by making Forgery and Pick Locks one step more expensive.

Not every skill has to have different costs for every rank. A skill could be listed as 1/1 which means that a character can buy an unlimited number of ranks for 1DP each

## Stat Bonuses

Stat bonuses are added together and then added to the total skill bonus. Most skills use three stats. The stat names have been abbreviated in the following form.

*Constitution [Co], Agility [Ag], Strength [St],  
Quickness [Qu], Self Discipline [Sd], Reasoning  
[Re], Memory [Me], Presence [Pr], Intuition [In],  
and Empathy [Em].*

## Skill Descriptions

## Combat

### Move In Armor CE [St, Ag, Co]

This skill reduces the penalties incurred for using bulky and restricting armors and suits. It can never give a bonus, only reduce penalties to zero.

**Combat Expertise (CE) [varies]**

Combat Expertise skills are used to reduce penalties. Common CE skills are fighting with two weapons at the same time such as two swords, or sword and dagger or two pistols. Another option is to make an additional attack in the same round, popular with martial artists.

**Weapon 1 [St, Ag, Ag] ranged/[St, St, Ag] melee**

This is your primary weapon. The same skill cost applies to all weapons of the same form factor. All pistols would use the same price, although they would need to be developed independently. Once you know a weapon you know how to use it in all its configurations. If you know Knife you can stab and slash with it but also throw it. When thrown it incurs range penalties but uses your full skill.

**Weapon 2 [St, Ag, Ag] ranged/[St, St, Ag] melee**

This is a second weapon type. This is at a slightly higher price as it is not your core focus.

**Weapon 3 [St, Ag, Ag] ranged/[St, St, Ag] melee**

A tertiary weapon skill. All additional weapons pay this price. If you knew Blaster Pistol (Weapon 1), Auto Blaster [Weapon 2] and Heavy Blaster [Weapon 3] you could still learn RPG Launcher and it would cost the same as Weapon 3.

Note: Heavy Weapons: Starships use Heavy Weapons. Heavy Weapons may be taken as one of your weapon skills. There are several different types of heavy weapon, and each has to be developed as a separate skill. E.g. Heavy Laser, Ion Chargers and Proton Missiles

This skill is used for slight of hand and misdirection. It can be used for performing card tricks or small acts of theft, typically pick pocketing.

#### Pick Locks [In, Ag, Sd]

This skill is used for both electronic and mechanical locks. The quality of the lock will affect the difficulty but also the amount of time and damage the lock picker is prepared to do to the lock. It is easier to pick a lock if you are not worried about leaving marks or even smashing the face-plate off to get to the innards.

#### Stalk/Hide [Ag, Sd, Em]

This skill is used for moving silently or hiding effectively when stationary. The conditions such as cover and lighting all affect the difficulty.

#### Perception [In, Re, Em]

Possibly one of the most important skills in the game! Perception is used to see if your characters sees, hears or feels anything significant. If the character is 'passive', i.e. not actively listening or searching, the GM rolls the characters perception skill tests and then works the result into the game narrative. If the player states that they are actively searching, listening or trying to detect something then the player may make the skill test.

#### Driving [In, Em, Ag]

This skill covers anything that has some sort of surface effect. That includes marine vehicles, hovercraft, wheeled or even grav-bikes or sleds. The skill should be developed separately for each type of vehicle such as marine or hovercraft. Different designs of vehicle with a type only impose difficulty factors if the character is unfamiliar with them e.g. a character familiar with grav-sleds suddenly finds herself on a grav-bike would suffer higher difficulties due to lack of familiarity with the handling and controls.

#### Ambush/Sniper [In, Re, Qu]

Ambush and sniper need to be developed separately and for each weapon. When attempting to ambush a foe the attacker must be unobserved or the foe unaware. The ambush roll skill check is made and on

## General

#### Acrobatics/Tumbling [Ag, Qu, Sd]

A successful skill roll can reduce the damage from falling by reducing the fall attack roll by -20. When a character is flying under a meditation or mystic gift, Acrobatics/Tumbling skill may be used with a -20 modifier for performing airborne maneuvers.

#### Climbing [St, Ag, Co]

This skill allows you to climb, with or without equipment, walls and rock faces. Extended climbs may require several climbing skill checks.

#### Music [In, Ag, Sd]

This skill is used for both composition and performance. Each instrument should be developed as a separate skill. If more than one musical skill is known, such as singing and guitar, the higher of the two skills is used for testing a performance.

#### Swimming [St, Ag, Sd]

A single rank in swimming is barely enough to keep you afloat and characters with no ranks in swimming simply cannot swim.

#### Riding [Ag, Co, Em]

Riding is used when riding an animal. It may be bought multiple times for use with different animals such as horse, camel, elephant. Similar animals may use the same skill but with increased difficulty such as horse, mule and donkey. Flying mounts still use this skill. For mounted combat a successful riding roll is required each combat round to have sufficient control to be able to fight.

#### Trickery [Ag, Re, In]

a success the critical rolled may be adjusted up or down by the number of ranks in Ambush with that weapon. The result may not be adjusted to a '66' result. If the target is active, such as moving fast or is in combat then only half the number of ranks may be used to adjust the critical result. Ambush is only to be used with Melee weapons, Sniper is used with ranged weapons that use a direct line of sight. These skills can be used with meditations if they meet the criteria of a direct physical attack.

#### Languages [Me, Re, Em]

Languages are bought separately for spoken and written usage. A standard skill test is used to see if the listener or reader understands the communication. The number of ranks limits the sophistication of the vocabulary known. One rank gives just the barest basics. 6 ranks [+30 skill] gives a functioning vocabulary for everyday use. Most people are considered to have 10 ranks in their own language in both spoken and written, although academics may have many more.

#### Physique [Co, Sd, St]

Physique is to be considered one of the essential skills. Physique is literally strength and conditioning training and the skill confers additional hit points, to the character. Hit points are referred to a #Hits as a standard abbreviation in the combat tables, meaning number of hit points of damage the character has taken.

#### Forgery [Ag, Re, In]

This skill is used for creating forgeries of objects or documents. It is assumed that the correct tools are available and if not, this should be reflected in the difficulty factor of the skill test.

#### Survival [Re, Me, In]

This skill encompasses the knowledge and practical skills needed to survive in a hostile environment. It is normally developed once for each biome such as Survival: Desert or Arctic. Trying to survive in an unfamiliar environment incurs higher difficulty penalties. This skill includes foraging for food, building fires and rigging shelters.

#### First Aid [Em, Re, In]

This skill can be used to stop bleeding and to stabilize an injured person or immobilize a broken limb.

#### Handheld Scanners [Re, Me, In]

This skill allows the correct use and interpretation of the output of scanners and other handheld complex devices.

### Pilot

#### Combat Pilot [In, Qu, Ag]

This skill is used for determining the order of events in a space combat, and a character may use this skill divided by 2 to fire a ships weapons if the appropriate specific weapon skill is missing.

#### Space Pilot [In, Re, Ag]

Piloting is divided into three types, atmospheric is used for aircraft travelling through the atmosphere. Hyperspace piloting is for flying at faster than light speeds. Between those two extremes is normal space piloting. This skill is used for atmosphere piloting, achieving orbit to the point where a ship exceeds the speed of light and enters hyperspace. Most ship to ship combat takes place in this period of travel.

#### Hyperspace Pilot [Re, Me, Ag]

Hyperspace pilots control their ship through faster than light travel. This skill covers successfully entering and leaving hyperspace.

#### Space Navigation [Re, Me, In]

This skill covers the plotting of courses through space, identifying jump points where ships need to enter or leave hyperspace and entering these courses into the ships computers.

#### Ship Sensors [Re, Me, In]

This skill covers successfully scanning ships, objects or planets and interpreting the results. Many factors affect the difficulty of scanning from the size of the object, distance to atmospheric conditions.

### Technical

**Tech: Mechanical [Ag, In, Re]**

Mechanical technician provides a working understanding of mechanical systems and the knowledge of how best to effect repairs or modifications. This skill is used frequently for diagnosing problems with mechanical systems. Mechanical technician can run diagnostic tests and use diagnostic software.

**Tech: Arms [Ag, In, Re]**

This skill gives a technical understanding of how weapon systems work and allows the diagnosis of weapons failures. This also covers the techniques for ballistic reports such as matching spent ammunition to specific weapons.

**Tech: Computer [Ag, In, Re]**

This skill is used for diagnosing and effecting repairs to computer systems. This skill can be used for removing viruses and malware.

**Tech: CSI [In, Em, Re]**

This skill confers a range of technical abilities such as analyzing blood splatter patterns, lifting fingerprints from surfaces and analyzing the residue from weapons being discharged.

**Tech: Medical [Ag, Em, In]**

This skill allows the character to carry out a range of medical tests such as blood tests, read and interpret the output of medical scanners and use medical test equipment.

## Science

**Sci: General [In, Re, Me]**

This skill confers a basic scientific education on the character covering physics, biology and chemistry as these are understood on the characters' home world or culture.

**Sci: Xeno [In, Re, Me]**

This skill gives a broader understanding of the sciences incorporating an understanding of alien

technologies, particularly alien biology.

## Engineering

**Engineer: Mech [In, Re, Me]**

Mechanical engineering gives the physical skills and knowledge to repair, modify or manufacture mechanical systems. Mechanical Engineers would be people using welding gear, spanners and wrenches.

**Engineer: Weapon [In, Re, Me]**

Weapons engineering gives the physical skills and knowledge to repair, modify or manufacture weapon systems, both personal and mounted heavy weapons..

**Engineer: Software [In, Re, Em]**

Software engineers can design, programs and error check software. It covers both programming and hacking systems.

**Engineer: Hardware [In, Re, Me]**

Hardware engineers have the physical skills and knowledge to repair, modify or manufacture electronic systems including the physical parts of computers, robots and networks. Hardware Engineers would be the people using a soldering iron and voltage meters.

## Psionics

**Psionic Power [Pr,Re, Sd] or [Em, In, Pr]**

This skill confers Power Points on the character. The number of power points is equal to the total skill bonus, which relates to how many Psionic Gifts/Meditations a character may cast each day (ie. between periods of rest).

**Meditations/Gifts [Pr,Re, Sd] or [Em, In, Pr]**

Each meditation has to be developed as a separate skill. The number of ranks in each meditation is the upper limit to the number of power points that may be applied to that meditation.

## Character Creation

To round out your character you can now spend 20 Development Points on skills of your choice. A starting character may have no more ranks in a skill than double their level plus one, meaning that a first level character cannot have more than four ranks in a skill (1st level +1 is 2, two doubled is 4 ranks).

The exception to this cap on ranks is languages which may be learned at any speed.

Each profession has a unique set of costs per skill.

These 20 Development points are intended to allow you to customize your character and add in any skills that their back story suggests they should have. As your character progresses you will gain more Development Points that can be used to improve skills and add new skills.

### **Character Creation Example**

Stephen wants his character to be a good all round pilot so wants to buy Combat Pilot (5DP), Hyperspace Pilot (5DP) and Ship Sensors (7DP). This leaves Stephen with 3DP to spend. The last 3DP are spent on an additional rank in Perception.

To complete the skills, Stephen selects ten of the character's skills to be his 'preferred skills'. These receive a bonus of +2 per rank for the first twenty ranks.

Stephen can now complete the skills, totaling all the rank, Stat and special bonuses.

All that is left is for Stephen to give his character a name, description and back story.



# Resolving Skills

Most skills require a final result of 101+. The player may add their skill bonus total and any situational modifiers such as superior equipment or additional time to complete the task. The GM then subtracts any difficulty factors to find the final result.

It is possible to get a result significantly over 100%. In these cases either the task took less time than anticipated, or for movement then character went faster, further or higher than anticipated. If there is a possible benefit for doing something exceptionally well, a very high roll can confer some or all of that benefit. In some situations how much ‘more’ is gained or learned from a very high skill roll will be a GM choice.

For simple skill tests, an open ended roll is made and adjustments made as directed. If the final result is below 119 the result is rounded down to the nearest 10 and this is the final result.

If the result is 120 or more then the first 100 is banked and the portion over 100 is halved and rounded down to the nearest 10 and added to the banked 100.

For results that are negative the result is rounded down to the nearest 20.

A result in the range of 0 to 90 represents a partial success, where that is possible. A zero tends to mean that the character failed to make any progress at all. Where a task is a definite pass or fail any result below 100 is a failure. If a character was trying to leap a chasm and only got a result of 90 then they failed to make the jump. If another character tried to grab them and save them they would receive a -10 difficulty penalty to the task as the character was at least 10% short of making the jump.

For tasks that can be partially completed then the final result is the amount of the task complete and another roll may be made in subsequent rounds to complete the task. If the result had been a 90% in the first round any result of 10% or higher would be sufficient to complete the task.

For results over 100 the character may decide to use the excess as additional progress. If a character was climbing a slippery bank and the GM thought it would take three rounds, a total of 300% to complete

a result of over 100% would mean that the character has a chance of completing the climb in less than three rounds.

The player may also choose to use the excess to complete another task. For each 30% over the required 100% the character may use 1 action point for another task such as making a perception skill test.

# Unskilled Rolls

Sometimes there will be no relevant skill to cover what a character wants to achieve. In these situations, a normal skill roll is made, but the entire Stat is used as if it was a skill bonus. An example may be using Memory [Me] to try and remember some fact from the character’s background or using Self Discipline [Sd] to keep hold of a red hot poker in a rite of passage ceremony.

# Combat Expertise Skills

These skills are never rolled. They are used to reduce penalties and regardless of the skill bonus total they can never give a positive bonus to a skill roll.

# Negative Results

A result of -20 or lower will deliver an A critical to the character in the most appropriate way possible. If the character was climbing then a fall or at least a slide down the slope may be the cause. If the character was repairing some equipment then they could receive an electric shock if that is possible.

Sometimes this rule will make no sense. If the character was trying to negotiate a price with a high quality diamond dealer they are unlikely to try and punch the customer if it was out of character. If the result makes no sense, ignore it.

Results of -40 or lower will deliver a ‘B’ critical, -60 or lower gives a ‘C’ critical, -80 or lower gives a ‘D’ critical and all results at or below -100 give an ‘E’ critical.

# Maneuver Results Table

| Roll | Result |
|------|--------|
| -100 | E crit |

| <b>Roll</b> | <b>Result</b> |
|-------------|---------------|
| -80         | D crit        |
| -60         | C crit        |
| -40         | B crit        |
| -20         | A crit        |
| -19 to 09   | Fail to act   |
| 10 to 19    | 10%           |
| 20-29       | 20%           |
| 30-39       | 30%           |
| 40-49       | 40%           |
| 50-59       | 50%           |
| 60-69       | 60%           |
| 70-79       | 70%           |
| 80-89       | 80%           |
| 90-99       | 90%           |
| 100-119     | 100%          |
| 120-139     | 110%          |
| 140-159     | 120%          |
| 160-179     | 130%          |

The actual number of meters fallen is added to the critical rolls. All results over 100 are treated as 100.

Example: Jesse falls 10 m on to a hard surface. The fall results in an A Impact with +10 on the critical roll. The GM rolls 44 +10 for the falling distance. The result is 54 “Weak blow to victim’s head +10 hits, stunned for 1 rnd” Jesse takes a blow to the head and is stunned and hurt.

## Poisons and Diseases

### RR Effect Level Severity

|     |          |
|-----|----------|
| 1-4 | Mild     |
| 5-7 | Moderate |
| 8-9 | Serious  |
| 10+ | Extreme  |

### Types of Toxins

- Circulatory – feet, legs, hands, arms, abdomen, chest, neck, head.
- Conversion – kidneys, bowels, intestines, stomach, liver, lungs, heart, throat, brain, legs, arms.
- Muscle – hands, arms, shoulders, feet, legs, hips, jaw, nose, ears, eyes, bowels, heart.
- Nerve – extremities, eyes, mouth, brain.
- Reduction – kidneys, bowels, intestines, stomach, liver, lungs, heart, throat, brain, legs, arms.
- Respiratory – lungs, throat, brain.

### Types of Diseases

- Bronchitis
- Bacterial Cholera
- Bacterial Infection
- Bacterial Pneumonia
- Bubonic Plague
- Influenza
- Mononucleosis
- Viral Pneumonia

*TODO*

## What Skill When?

The lines between each skill can be blurred, This is intentional. You should use how your characters are

## Resistance Tests

To make a Resistance Test the subject rolls d100 and adds the Resistance Modifier based on the nature of the Resistance. If their Resistance Test result is greater than the threshold then they have resisted the effect. If their Resistance Test result is lower then the difference in tens is taken as the Effect Level.

## Hazards

### Falling Damage

The further a character falls the more harm they will typically suffer. Damage is in the form of criticals rolled directly on the appropriate table. There is no falling attack table.

#### Distance Critical Type

|         |          |
|---------|----------|
| 01-04 m | A Krush  |
| 05-10 m | A Impact |
| 11-15 m | B Impact |
| 16-20 m | C Impact |
| 21-25 m | D Impact |
| 26 m+   | E Impact |



trying to solve a problem to decide which skill applies. If there is an explicit skill, that takes precedence over Vocation. If there is no named skill then the character can fall back on their vocational skills.

It is part of the GM's role to listen to how the characters want to solve a challenge and then call for a skill roll, if a skill test is needed. If what the

characters are doing will solve the challenge and it is within their ability to do it. The same is true for social interactions. It is better to role play out a negotiation than it is to roll a Vocation: Diplomacy test.



## Action Points

Each round (*5 seconds*) a character receives 4 action points (*AP*). Every action a character performs has a cost in action points. A character may choose to spend less than the listed number of AP on a task. For every AP that is not used a -25 penalty is applied to the skill test. At the start of the round the player declares all four action points and the order in which they wish them to play out.

**Example:** A character is hiding beside an open door. The player declares that they want to use 1AP to move into the open doorway, 2AP to shoot into the room and 1 AP to move to the other side of the doorway back behind cover.

## AP Costs Table

| Action                          | AP   | Action           | AP  |
|---------------------------------|------|------------------|-----|
| Cast Psion/Meditation/Gift      | 3    | Concentration    | 2   |
| Melee Attack                    | 2-4  | Ranged Attack    | 2-4 |
| Reload Weapon                   | 2    | Perception Test  | 1   |
| Swimming Test                   | 2-4  | Climbing Test    | 2-4 |
| Stand up from seat/kneel/crouch | free | Stand from prone | 1   |
| Move more than base             | 1-4  | Draw weapon      | 1   |
| Change weapons                  | 2    | Mount Animal     | 2-4 |
| First Aid test                  | 4    | Stalk/Hide Test  | 1   |

The costs are a selection of suggested minimum costs. To use any skill without penalty 4AP must be spent completing the test. Where a range is specified the lower figure is the absolute minimum number of AP that may be used. Where a single figure is stated these are fixed costs and cannot be avoided.

## Fast Actions

You may use less than the required number of AP for skill tests. For each AP not spent completing the task a -25 penalty is applied to the skill test.

Ranged Attacks are listed as 2AP. To complete a ranged attack with no penalty still requires 4AP, but the shot may be made in 2AP at -50 penalty.

A character could fire twice using two 2AP attacks and both would be at -50.

**Note:** As GM you may allow a Multiple Attack CE skill to reduce the penalty for attacking twice in the same round.

## Wrap Around Actions

A character may start an action in one combat round and complete it in another. For example they could spend 1AP moving into range and then declare a 4AP attack. As that requires 5AP the movement would take place at the start of the first combat round and the attack would not be resolved until the 1st AP of next round.

## Unused AP

Any unused AP left at the end of a combat round and not applied to a wrap around action are lost.

**Example:** A character moves into position behind a door hoping to attack anyone who comes through. They declare 1AP of movement and a 3AP attack held until they can use it. In this round no one comes through the door and the player does not want to remain here so the three AP for the attack are lost.



## Combat

Personal Combat is defined as any battle between two or more characters (player and/or non-player) that takes place using Melee or Missile Attacks as well as Maneuvers, Meditations and Gifts.

When a combat starts Initiative is rolled for each combatant, or group of combatants. Initiative decides the order in which the characters act.

Each action has a cost in Action Points (See 9.1) and each character has 4AP to spend each round.

The group with the lowest Initiative declares their actions first, and then the next lowest until all actions have been declared.

Actions are resolved from Highest initiative to the lowest. A character may choose to act later in the initiative order but they cannot move before their turn.

Once all the characters in the combat have acted a new combat round starts.

Initiative is rolled once per combat, not per round.

When a character has their turn they may choose to make any combination of actions and attacks. Once an attack is made it is resolved and any effects are applied immediately.

## Rolling Initiative

Each PC rolls their own initiative by rolling d100 and adding their total Quickness [Qu] bonus to the roll. A higher initiative is better than a low initiative.

## Making an Attack

To make an attack the player makes a d100 roll and adds their characters weapon skill to the roll plus any situational modifiers. The GM deducts any penalties such as the defenders Defensive Bonus and any cover. The final result is compared to an attack table cross referencing the defenders armor and the total roll. The result gives a number of points of damage and a possible letter that describes a specific wound. The wounds are called Criticals and are graded A to E and a type such as S for slashing wounds or B for

burns. A result would look something like 20AS for 20 hits of damage and an A grade Slashing wound.

Krush is used in place of Crush to save confusion when the result would be a 'C' severity, CK not CC.

A second d100 roll is made on the matching critical table to find the actual effects of the attack.

There are different attack tables for different weapons to give them unique strengths and weaknesses.

## Maneuvers in Combat

A character may make maneuvers in combat such as running or diving for cover. Each character may move their Base Move (BM) per round with no need to make any rolls unless the movement is opposed. You cannot just choose to move past an armed guard that you are fighting. The opposition is simply assumed and the move would fail.

To move more than your BM requires you to use AP. 1AP allows you to move your BM in the combat round at that point.

Example: You may spend 1AP on movement to close the distance with a target. Spending AP on movement in addition to the free move each round.

You may also make specific maneuvers in a round such as leaping off a balcony or trying to swing from a cable hanging from a gantry.

If your maneuver roll was successful then you have completed the maneuver. If the maneuver result was less than 100% the GM may decide on the outcome. Either the maneuver is not completed or the maneuver gives a penalty to your next action.

Example 1: You are trying to chase an escaping villain. You want to get to a door first and slam it shut. The GM gives you a difficulty penalty to out run the fleeing figure. You make your roll and the result is only 80%. The GM decides you did not make it to the door in time.

Example 2: You want to leap off a cargo container on to two security guards below. You make a maneuver to jump

down gaining surprise on the guards. You make the roll and get 80%. The GM decides your attack on the guard will be at -20 due to you being slightly off balance from your landing.

Example 3: You want to try and make it behind some cover as the security forces open fire on you. Your attempt to sprint for cover results in a roll of 80%. Rather than having your still out in the open until the following round the GM gives one of the security forces a single shot at you at +20 but if you survive you will start the round behind cover.

## Parrying

Parrying refers to any decision to favor defense over offence. It does not require you to have a weapon or to make physical contact with your attacker. Examples of parrying could be a blade on blade sword fight, martial artists blocking blows, ducking and diving behind furniture or throwing dust into your attackers eyes. Any form of dodging or evading counts as parrying.

Obviously you cannot dodge something moving at the speed of light, but you can evade the shooters aim.

You can only parry attacks you can see being aimed at you.

To parry you deduct a proportion of your Offensive Bonus and add it to your Defensive Bonus.

Parry is assigned specific foes. If you are fighting two security guards you could attack with half your Offensive Bonus [OB] and divide the other half equally between your two assailants.

Example: You have a +80 OB. You can add +20 to your DB against both assailants and still attack with +40OB.

Parrying hand to hand weapons and attacks 1 point of Offensive Bonus [OB] becomes 1 point of Defensive Bonus [DB].

Parrying missile and projectile weapons 2 points of OB becomes 1 point of DB.

Parrying energy weapons 4 points of OB becomes 1 point of DB.

You cannot parry if you are constrained and cannot move.

## Resolving Attacks

When a character makes an attack, as stated above you make an open-ended roll (upwards only), add in any Offensive Bonuses and deduct any Defensive Bonuses. You then cross reference the result on the correct weapon table.

A result will look something like 38ES.

The 38 is the number of #hits that the target receives.

The E is the severity of the critical. Normal criticals fall in the A to E range with A being less severe and E being much more lethal.

The S in this case means Slash. This is the type of critical. There are many different types of critical. Each has a single letter abbreviation.

### Code Critical Table

|   |           |
|---|-----------|
| F | Fire/Burn |
| I | Impact    |
| K | Krush     |
| P | Puncture  |
| S | Slash     |
| U | Unbalance |

Once you know the critical type and severity a second d100 roll is made and cross referenced with the correct critical table.

Criticals have a wound description and additional damage. The additional damage could be bleeding or burning described as #hits/round. A one off addition to the damage delivered. A character may be stunned for a number of rounds or may suffer a specific injury. The most severe wounds can kill a character instantly.

The UM66 row on the criticals tables is only used if the unmodified critical roll is a 66.

## Results over 150

If the total attack roll is greater than 150, for every 10 points over the 150 you add 1 to the critical roll.

## #Hits of Damage

A character has hit points or #hits equal to their total Physique skill. When they have 0 #hits remaining they will fall unconscious unless they can make a Self Discipline Resistance Test. Roll d100 and add your SD stat to the roll. Deduct the number of #hits they are below zero. If the total roll is 101 or greater they have remained conscious for the current combat round. A SD Resistance Test is required every round. One failure will leave a character unconscious.

## Bleeding and Burning

A character that is bleeding or burning will take a number of #hits of damage every round until they either apply a medical kit, bandage, staunch or tourniquet the wound or in the case of burning, they smother or drop and roll. Staunching a wound or applying pressure will halve the amount of damage being taken each round.

A tourniquet will stop all bleeding from a wound. A bandage will stop up to 5#hits/round of bleeding.

## Stunned

A character that is stunned only gets half their normal number of AP per round. They may not use any concentration based maneuvers or maintain any concentration gifts or meditations.

Stun normally lasts for a number of rounds. Once the stun has passed the character has no lasting effects.

Stun does accumulate. If you are stunned for 3 rounds and then hit again stunning you for a further 3 rounds you are now stunned for 6 rounds.

If the total number of rounds of stun exceeds the number or ranks in Physique you have you will black out until you are completely unstunned.

## Death and Dying

If a critical says that you will die you are assumed to be down and incapacitated until death occurs. You may take no action beyond speaking, shouting or screaming until death takes you. Your companions may attempt to save you and prevent your death.





# Healing and Recovery

## Healing

In addition to the various technological and special power means of restoring Hit Points, a character will recover 1 #hit per hour of uninterrupted rest. Four weeks of rest will return a character to maximum #hits regardless of how many #hits the character has lost.

## Recovery

For wounds that cause injuries and penalties this will heal by reducing the penalty by -5 per day. When the penalty is completely removed the wound is healed. Wounds heal starting with the lowest penalty and progressing to more serious injuries last. Penalties are healed sequentially and one must be completely healed before another starts.

Example: Joe has picked up two wounds. The first gives a penalty of -10 and the other a -15. After two days the first wound has recovered by Jo still has the -15 penalty. A further 3 days are required for Jo to be completely recovered.



# Weapon Attack Tables

## One Handed Blades

| Armor     |      |      |      |      |  |
|-----------|------|------|------|------|--|
| Result    | No   | Lt   | Md   | Hvy  |  |
| 149 - 150 | 30ES | 25ES | 20ES | 13ES |  |
| 147 - 148 | 30ES | 25ES | 20ES | 13ES |  |
| 146 - 146 | 29ES | 24ES | 20ES | 13ES |  |
| 145 - 145 | 29ES | 24ES | 20ES | 13ES |  |
| 144 - 144 | 28ES | 24ES | 19DS | 13DS |  |
| 142 - 143 | 28ES | 24ES | 19DS | 13DS |  |
| 141 - 141 | 27ES | 23ES | 19DS | 12DS |  |
| 139 - 140 | 27ES | 23ES | 19DS | 12DS |  |
| 138 - 138 | 26ES | 22ES | 18DS | 12CS |  |
| 136 - 137 | 25ES | 22ES | 18DS | 12CS |  |
| 134 - 135 | 25ES | 21ES | 18DS | 12CS |  |
| 132 - 133 | 24ES | 21DS | 17CS | 12BS |  |
| 130 - 131 | 23ES | 20DS | 17CS | 11BS |  |
| 128 - 129 | 22ES | 20DS | 17CS | 11BS |  |
| 126 - 127 | 22ES | 19DS | 16CS | 11BS |  |
| 124 - 125 | 21ES | 18DS | 16CS | 11BS |  |
| 122 - 123 | 20ES | 18DS | 15CS | 10AS |  |
| 119 - 121 | 19ES | 17DS | 15CS | 10AS |  |
| 117 - 118 | 18DS | 16DS | 14BS | 10AS |  |
| 114 - 116 | 17DS | 16DS | 14BS | 10AS |  |
| 112 - 113 | 16DS | 15CS | 13BS | 9AS  |  |
| 109 - 111 | 15DS | 14CS | 13BS | 9AS  |  |
| 106 - 108 | 14DS | 14CS | 13AS | 9    |  |
| 103 - 105 | 13DS | 13CS | 12AS | 8    |  |
| 100 - 102 | 12CS | 12CS | 11AS | 8    |  |
| 97 - 99   | 11CS | 11BS | 11   | 8    |  |
| 94 - 96   | 10CS | 10BS | 10   | 7    |  |
| 91 - 93   | 8BS  | 9BS  | 10   | 7    |  |
| 88 - 90   | 7BS  | 9BS  | 9    | 7    |  |
| 85 - 87   | 6AS  | 8BS  | 9    | 6    |  |
| 81 - 84   | 5AS  | 7AS  | 8    | 6    |  |
| 78 - 80   | 3AS  | 6AS  | 7    | 5    |  |
| 74 - 77   | 2    | 5AS  | 7    | 5    |  |
| 71 - 73   | –    | 4    | 6    | 5    |  |
| 67 - 70   | –    | 3    | 5    | 4    |  |
| 63 - 66   | –    | 2    | 5    | 4    |  |
| 59 - 62   | –    | –    | 4    | 3    |  |
| 55 - 58   | –    | –    | 3    | 3    |  |
| 51 - 54   | –    | –    | 2    | 3    |  |
| 47 - 50   | –    | –    | 1    | 2    |  |
| 43 - 46   | –    | –    | –    | 2    |  |
| 1 - F     | F    | F    | F    | F    |  |

## One Handed Blunt

| Armor     |      |      |      |      |  |
|-----------|------|------|------|------|--|
| Result    | No   | Lt   | Md   | Hvy  |  |
| 149 - 150 | 25EK | 21EK | 23EK | 17EK |  |
| 147 - 148 | 25EK | 20EK | 22EK | 17EK |  |
| 146 - 146 | 24EK | 20EK | 22EK | 17EK |  |
| 145 - 145 | 24EK | 19EK | 21EK | 17EK |  |
| 144 - 144 | 23EK | 19EK | 21EK | 17DK |  |
| 142 - 143 | 23EK | 19EK | 21EK | 16DK |  |
| 141 - 141 | 22EK | 18EK | 20EK | 16DK |  |
| 139 - 140 | 22EK | 18EK | 20EK | 16DK |  |
| 138 - 138 | 21EK | 18EK | 20DK | 16DK |  |
| 136 - 137 | 21EK | 18EK | 19DK | 16DK |  |
| 134 - 135 | 20EK | 17EK | 19DK | 15DK |  |
| 132 - 133 | 20EK | 17DK | 19DK | 15CK |  |
| 130 - 131 | 19EK | 16DK | 18DK | 15CK |  |
| 128 - 129 | 18EK | 16DK | 18CK | 14CK |  |
| 126 - 127 | 18EK | 15DK | 17CK | 14CK |  |
| 124 - 125 | 17EK | 15DK | 17CK | 14CK |  |
| 122 - 123 | 16DK | 14CK | 16CK | 13BK |  |
| 119 - 121 | 16DK | 14CK | 16CK | 13BK |  |
| 117 - 118 | 15DK | 13CK | 15CK | 13BK |  |
| 114 - 116 | 14DK | 13CK | 15CK | 12BK |  |
| 112 - 113 | 13DK | 12CK | 14BK | 12AK |  |
| 109 - 111 | 12DK | 12CK | 13BK | 12AK |  |
| 106 - 108 | 11CK | 11BK | 13BK | 11AK |  |
| 103 - 105 | 10CK | 10BK | 12BK | 11AK |  |
| 100 - 102 | 9CK  | 10BK | 11BK | 10   |  |
| 97 - 99   | 8BK  | 9BK  | 11AK | 10   |  |
| 94 - 96   | 7BK  | 8BK  | 10AK | 9    |  |
| 91 - 93   | 6AK  | 8AK  | 9AK  | 9    |  |
| 88 - 90   | 5AK  | 7AK  | 8AK  | 8    |  |
| 85 - 87   | 4    | 6AK  | 8    | 8    |  |
| 81 - 84   | 3    | 6AK  | 7    | 7    |  |
| 78 - 80   | 1    | 5AK  | 6    | 7    |  |
| 74 - 77   | –    | 4    | 5    | 6    |  |
| 71 - 73   | –    | 3    | 5    | 6    |  |
| 67 - 70   | –    | 3    | 4    | 5    |  |
| 63 - 66   | –    | 2    | 3    | 5    |  |
| 59 - 62   | –    | –    | 2    | 4    |  |
| 55 - 58   | –    | –    | –    | 3    |  |
| 51 - 54   | –    | –    | –    | 3    |  |
| 47 - 50   | –    | –    | –    | 2    |  |
| 43 - 46   | –    | –    | –    | 2    |  |
| 1 - F     | F    | F    | F    | F    |  |

## One Handed Hafted

| Armor     |      |      |      |      |  |
|-----------|------|------|------|------|--|
| Result    | No   | Lt   | Md   | Hvy  |  |
| 149 - 150 | 50EK | 35EK | 28ES | 15ES |  |
| 147 - 148 | 48EK | 35ES | 27ES | 15ES |  |
| 146 - 146 | 47ES | 34ES | 26ES | 15ES |  |
| 145 - 145 | 46ES | 33ES | 26ES | 15EK |  |
| 144 - 144 | 46ES | 33EK | 26DS | 15DS |  |
| 142 - 143 | 45ES | 33EK | 26DS | 15DK |  |
| 141 - 141 | 44ES | 32EK | 25DS | 14DS |  |
| 139 - 140 | 43ES | 31ES | 25DS | 14DS |  |
| 138 - 138 | 42ES | 31DS | 24DK | 14DS |  |
| 136 - 137 | 41ES | 30DS | 24DS | 14DS |  |
| 134 - 135 | 40EK | 29DS | 23CS | 13CK |  |
| 132 - 133 | 38ES | 29DS | 23CS | 13CS |  |
| 130 - 131 | 37ES | 28DK | 22CK | 13CK |  |
| 128 - 129 | 36EK | 27DK | 22CS | 13BS |  |
| 126 - 127 | 34EK | 26DS | 21CK | 12BS |  |
| 124 - 125 | 33DS | 25DK | 21BS | 12BK |  |
| 122 - 123 | 32DK | 25CS | 20BS | 12BS |  |
| 119 - 121 | 30DS | 24CS | 20BK | 12BS |  |
| 117 - 118 | 28DS | 23CS | 19BK | 11BS |  |
| 114 - 116 | 27DK | 22CS | 18AS | 11AS |  |
| 112 - 113 | 25DK | 21CK | 17AS | 11AS |  |
| 109 - 111 | 24DS | 20CS | 17AK | 10AS |  |
| 106 - 108 | 22CS | 19BS | 16AS | 10AK |  |
| 103 - 105 | 20CK | 17BS | 15AS | 9    |  |
| 100 - 102 | 18CS | 16BS | 14   | 9    |  |
| 97 - 99   | 16CS | 15BS | 14   | 9    |  |
| 94 - 96   | 14BS | 14BS | 13   | 8    |  |
| 91 - 93   | 12BK | 13BK | 12   | 8    |  |
| 88 - 90   | 10AS | 11BS | 11   | 7    |  |
| 85 - 87   | 8AS  | 10AS | 10   | 7    |  |
| 81 - 84   | 6AK  | 9AK  | 9    | 7    |  |
| 78 - 80   | 3AS  | 7AS  | 8    | 6    |  |
| 74 - 77   | 1AK  | 6AK  | 8    | 6    |  |
| 71 - 73   | –    | 5    | 6    | 5    |  |
| 67 - 70   | –    | 3    | 6    | 5    |  |
| 63 - 66   | –    | 2    | 5    | 4    |  |
| 59 - 62   | –    | –    | 3    | 4    |  |
| 55 - 58   | –    | –    | 2    | 3    |  |
| 51 - 54   | –    | –    | –    | 3    |  |
| 47 - 50   | –    | –    | –    | 2    |  |
| 43 - 46   | –    | –    | –    | 2    |  |
| 1 - F     | F    | F    | F    | F    |  |

**Dagger**

| Result    | No   | Armor |     |     |  |
|-----------|------|-------|-----|-----|--|
|           |      | Lt    | Md  | Hvy |  |
| 149 - 150 | 22EP | 17CS  | 8BP | 5AP |  |
| 147 - 148 | 22ES | 17CS  | 8BP | 5AP |  |
| 146 - 146 | 21DP | 17CS  | 8BP | 5AP |  |
| 145 - 145 | 21DP | 16CP  | 8BP | 5AP |  |
| 144 - 144 | 20DS | 16CP  | 8BP | 5AP |  |
| 142 - 143 | 20DS | 16CP  | 8BP | 5AP |  |
| 141 - 141 | 19DS | 16CP  | 8AP | 5AP |  |
| 139 - 140 | 19DP | 15CP  | 8AP | 5AP |  |
| 138 - 138 | 18DP | 15BP  | 7AP | 5   |  |
| 136 - 137 | 18DS | 15BP  | 7AP | 5   |  |
| 134 - 135 | 17DS | 14BP  | 7AS | 5   |  |
| 132 - 133 | 17CP | 14BS  | 7AP | 5   |  |
| 130 - 131 | 16CS | 13BS  | 7AP | 5   |  |
| 128 - 129 | 15CP | 13BP  | 7   | 5   |  |
| 126 - 127 | 15CS | 13AS  | 6   | 5   |  |
| 124 - 125 | 14CP | 12AP  | 6   | 5   |  |
| 122 - 123 | 13CS | 12AP  | 6   | 4   |  |
| 119 - 121 | 13BS | 11AS  | 6   | 4   |  |
| 117 - 118 | 12BS | 11AP  | 6   | 4   |  |
| 114 - 116 | 11BS | 10AP  | 6   | 4   |  |
| 112 - 113 | 10BP | 10AS  | 5   | 4   |  |
| 109 - 111 | 9BS  | 9AP   | 5   | 4   |  |
| 106 - 108 | 8AP  | 9     | 5   | 4   |  |
| 103 - 105 | 7AS  | 8     | 5   | 4   |  |
| 100 - 102 | 6AS  | 7     | 4   | 4   |  |
| 97 - 99   | 5AS  | 7     | 4   | 4   |  |
| 94 - 96   | 4AS  | 6     | 4   | 3   |  |
| 91 - 93   | 3AS  | 5     | 4   | 3   |  |
| 88 - 90   | 2AS  | 5     | 3   | 3   |  |
| 85 - 87   | 1AS  | 4     | 3   | 3   |  |
| 81 - 84   | –    | 3     | 3   | 3   |  |
| 78 - 80   | –    | 3     | 2   | 3   |  |
| 74 - 77   | –    | 2     | 2   | 3   |  |
| 71 - 73   | –    | –     | 2   | 3   |  |
| 67 - 70   | –    | –     | 1   | 2   |  |
| 63 - 66   | –    | –     | –   | 2   |  |
| 59 - 62   | –    | –     | –   | 2   |  |
| 55 - 58   | –    | –     | –   | 2   |  |
| 51 - 54   | –    | –     | –   | 2   |  |
| 47 - 50   | –    | –     | –   | 2   |  |
| 43 - 46   | –    | –     | –   | –   |  |
| 1 - F     | F    | F     | F   | F   |  |

**Main Gauche**

| Result    | No   | Armor |      |     |  |
|-----------|------|-------|------|-----|--|
|           |      | Lt    | Md   | Hvy |  |
| 149 - 150 | 25ES | 20DK  | 11CP | 7BP |  |
| 147 - 148 | 25ES | 19DS  | 11CP | 7BP |  |
| 146 - 146 | 24ES | 19DS  | 11CP | 7BP |  |
| 145 - 145 | 24ES | 18DK  | 11CP | 7BP |  |
| 144 - 144 | 24ES | 18DS  | 11BP | 7BP |  |
| 142 - 143 | 23ES | 18DS  | 11BP | 7BP |  |
| 141 - 141 | 23ES | 18CS  | 10BP | 7BP |  |
| 139 - 140 | 22ES | 17CK  | 10BP | 7AP |  |
| 138 - 138 | 22ES | 17CK  | 10BP | 7AP |  |
| 136 - 137 | 21ES | 17CS  | 10BP | 7AP |  |
| 134 - 135 | 21DS | 16CS  | 10BP | 7AP |  |
| 132 - 133 | 20DS | 16CS  | 10BP | 7AP |  |
| 130 - 131 | 19DS | 15CS  | 9AP  | 6AP |  |
| 128 - 129 | 19DS | 15CK  | 9AS  | 6AP |  |
| 126 - 127 | 18DS | 15BS  | 9AP  | 6   |  |
| 124 - 125 | 17DS | 14BS  | 9AS  | 6   |  |
| 122 - 123 | 17CS | 14BK  | 8AS  | 6   |  |
| 119 - 121 | 16CS | 13BS  | 8AP  | 6   |  |
| 117 - 118 | 15CS | 13AK  | 8    | 6   |  |
| 114 - 116 | 14CS | 12AK  | 8    | 6   |  |
| 112 - 113 | 13CS | 12AS  | 7    | 6   |  |
| 109 - 111 | 13BS | 11AK  | 7    | 5   |  |
| 106 - 108 | 12BS | 11AS  | 7    | 5   |  |
| 103 - 105 | 11BS | 10AS  | 6    | 5   |  |
| 100 - 102 | 10BS | 9AS   | 6    | 5   |  |
| 97 - 99   | 9AS  | 9     | 6    | 5   |  |
| 94 - 96   | 8AS  | 8     | 5    | 5   |  |
| 91 - 93   | 7AS  | 7     | 5    | 4   |  |
| 88 - 90   | 6AS  | 7     | 5    | 4   |  |
| 85 - 87   | 5AS  | 6     | 4    | 4   |  |
| 81 - 84   | 4AS  | 6     | 4    | 4   |  |
| 78 - 80   | 2AS  | 5     | 4    | 4   |  |
| 74 - 77   | 1AS  | 4     | 3    | 4   |  |
| 71 - 73   | –    | 3     | 3    | 3   |  |
| 67 - 70   | –    | 3     | 3    | 3   |  |
| 63 - 66   | –    | 2     | 2    | 3   |  |
| 59 - 62   | –    | –     | 2    | 3   |  |
| 55 - 58   | –    | –     | –    | 3   |  |
| 51 - 54   | –    | –     | –    | 2   |  |
| 47 - 50   | –    | –     | –    | 2   |  |
| 43 - 46   | –    | –     | –    | 2   |  |
| 1 - F     | F    | F     | F    | F   |  |

**Javelin**

| Result    | No   | Armor |     |     |  |
|-----------|------|-------|-----|-----|--|
|           |      | Lt    | Md  | Hvy |  |
| 149 - 150 | 30CP | 23BP  | 3AP | 9   |  |
| 147 - 148 | 28BP | 22BP  | 3AP | 9   |  |
| 146 - 146 | 27BP | 21BP  | 3AP | 9   |  |
| 145 - 145 | 26BP | 20BP  | 3AP | 9   |  |
| 144 - 144 | 26BP | 20AP  | 3   | 9   |  |
| 142 - 143 | 25BP | 19AP  | 3   | 9   |  |
| 141 - 141 | 24BP | 18AP  | 3   | 9   |  |
| 139 - 140 | 23BP | 18AP  | 3   | 8   |  |
| 138 - 138 | 22BP | 17AP  | 3   | 8   |  |
| 136 - 137 | 21BP | 16AP  | 3   | 8   |  |
| 134 - 135 | 20AP | 16AP  | 3   | 8   |  |
| 132 - 133 | 19AP | 15AP  | 3   | 8   |  |
| 130 - 131 | 17AP | 14    | 3   | 7   |  |
| 128 - 129 | 16AP | 13    | 3   | 7   |  |
| 126 - 127 | 15AP | 12    | 3   | 7   |  |
| 124 - 125 | 14AP | 11    | 3   | 7   |  |
| 122 - 123 | 12AP | 10    | 3   | 7   |  |
| 119 - 121 | 11AP | 9     | 3   | 6   |  |
| 117 - 118 | 9    | 8     | 2   | 6   |  |
| 114 - 116 | 8    | 7     | 2   | 6   |  |
| 112 - 113 | 6    | 5     | 2   | 5   |  |
| 109 - 111 | 5    | 4     | 2   | 5   |  |
| 106 - 108 | –    | 3     | 2   | 5   |  |
| 103 - 105 | –    | 1     | 2   | 5   |  |
| 100 - 102 | –    | –     | 2   | 4   |  |
| 97 - 99   | –    | –     | 2   | 4   |  |
| 94 - 96   | –    | –     | 2   | 4   |  |
| 91 - 93   | –    | –     | 2   | 3   |  |
| 88 - 90   | –    | –     | 2   | 3   |  |
| 85 - 87   | –    | –     | 1   | 3   |  |
| 81 - 84   | –    | –     | –   | 2   |  |
| 78 - 80   | –    | –     | –   | 2   |  |
| 74 - 77   | –    | –     | –   | 1   |  |
| 71 - 73   | –    | –     | –   | –   |  |
| 67 - 70   | –    | –     | –   | –   |  |
| 63 - 66   | –    | –     | –   | –   |  |
| 59 - 62   | –    | –     | –   | –   |  |
| 55 - 58   | –    | –     | –   | –   |  |
| 51 - 54   | –    | –     | –   | –   |  |
| 47 - 50   | –    | –     | –   | –   |  |
| 43 - 46   | –    | –     | –   | –   |  |
| 1 - F     | F    | F     | F   | F   |  |

**Spear**

| Result    | No   | Armor |     |     |  |
|-----------|------|-------|-----|-----|--|
|           |      | Lt    | Md  | Hvy |  |
| 149 - 150 | 30CP | 22CS  | 3BP | 9AP |  |
| 147 - 148 | 28CS | 22CS  | 3BP | 9AP |  |
| 146 - 146 | 27CP | 21BS  | 3AP | 9AP |  |
| 145 - 145 | 27CP | 21BP  | 3AP | 9AP |  |
| 144 - 144 | 26CS | 20BP  | 3AP | 9AP |  |
| 142 - 143 | 26CS | 20BP  | 3AP | 9AP |  |
| 141 - 141 | 25CS | 19BP  | 3AP | 9   |  |
| 139 - 140 | 24CS | 19BS  | 3AP | 9   |  |
| 138 - 138 | 23BS | 18BS  | 3AS | 8   |  |
| 136 - 137 | 23BP | 18BP  | 3AP | 8   |  |
| 134 - 135 | 22BP | 17BP  | 3AP | 8   |  |
| 132 - 133 | 21BP | 16AP  | 3   | 8   |  |
| 130 - 131 | 20BP | 15AP  | 3   | 8   |  |
| 128 - 129 | 19BS | 14AP  | 3   | 7   |  |
| 126 - 127 | 18BS | 14AP  | 3   | 7   |  |
| 124 - 125 | 17AP | 13AP  | 3   | 7   |  |
| 122 - 123 | 16AS | 12AP  | 3   | 7   |  |
| 119 - 121 | 15AP | 11    | 3   | 7   |  |
| 117 - 118 | 13AP | 10    | 3   | 6   |  |
| 114 - 116 | 12AP | 10    | 3   | 6   |  |
| 112 - 113 | 11AP | 8     | 2   | 6   |  |
| 109 - 111 | 10AS | 8     | 2   | 6   |  |
| 106 - 108 | 8    | 6     | 2   | 5   |  |
| 103 - 105 | 7    | 5     | 2   | 5   |  |
| 100 - 102 | 5    | 4     | 2   | 5   |  |
| 97 - 99   | 3    | 3     | 2   | 5   |  |
| 94 - 96   | -    | 2     | 2   | 4   |  |
| 91 - 93   | -    | -     | 2   | 4   |  |
| 88 - 90   | -    | -     | 2   | 4   |  |
| 85 - 87   | -    | -     | 2   | 3   |  |
| 81 - 84   | -    | -     | 2   | 3   |  |
| 78 - 80   | -    | -     | 2   | 3   |  |
| 74 - 77   | -    | -     | 1   | 2   |  |
| 71 - 73   | -    | -     | -   | 2   |  |
| 67 - 70   | -    | -     | -   | 2   |  |
| 63 - 66   | -    | -     | -   | -   |  |
| 59 - 62   | -    | -     | -   | -   |  |
| 55 - 58   | -    | -     | -   | -   |  |
| 51 - 54   | -    | -     | -   | -   |  |
| 47 - 50   | -    | -     | -   | -   |  |
| 43 - 46   | -    | -     | -   | -   |  |
| 1 - F     | F    | F     | F   | F   |  |

**Lance, Mounted**

| Result    | No   | Armor |      |      |  |
|-----------|------|-------|------|------|--|
|           |      | Lt    | Md   | Hvy  |  |
| 149 - 150 | 50EP | 45ES  | 32EP | 28DP |  |
| 147 - 148 | 49ES | 44ES  | 32EP | 27DP |  |
| 146 - 146 | 48EP | 43ES  | 31EP | 27DP |  |
| 145 - 145 | 48EP | 42EP  | 31EP | 26DP |  |
| 144 - 144 | 47ES | 42EP  | 31EP | 26DP |  |
| 142 - 143 | 47ES | 41EP  | 31EP | 26DP |  |
| 141 - 141 | 46ES | 40EP  | 30DP | 26DP |  |
| 139 - 140 | 45EP | 40EP  | 30DP | 25DP |  |
| 138 - 138 | 44EP | 39EP  | 29DP | 25CP |  |
| 136 - 137 | 44EP | 38ES  | 29DP | 25CP |  |
| 134 - 135 | 43EP | 37EP  | 29DP | 24CP |  |
| 132 - 133 | 42ES | 36EP  | 28DP | 24CP |  |
| 130 - 131 | 41ES | 36EP  | 28DP | 23CP |  |
| 128 - 129 | 40ES | 35EP  | 27CS | 23CP |  |
| 126 - 127 | 39EP | 34EP  | 27CP | 23CP |  |
| 124 - 125 | 38ES | 33DP  | 26CS | 22BP |  |
| 122 - 123 | 37EP | 32DP  | 26CP | 22BP |  |
| 119 - 121 | 36DS | 31DS  | 25CP | 21BP |  |
| 117 - 118 | 34DP | 29DP  | 24BP | 21BP |  |
| 114 - 116 | 33DP | 28DP  | 24BS | 20BP |  |
| 112 - 113 | 31DP | 27CP  | 23BP | 20AP |  |
| 109 - 111 | 30DP | 26CP  | 23BP | 19AP |  |
| 106 - 108 | 29CP | 25CS  | 22BS | 19AP |  |
| 103 - 105 | 27CP | 23CP  | 21AP | 18AP |  |
| 100 - 102 | 26CP | 22BS  | 20AS | 17   |  |
| 97 - 99   | 24CS | 20BS  | 20AP | 17   |  |
| 94 - 96   | 23BS | 19BS  | 19AS | 16   |  |
| 91 - 93   | 21BP | 18BP  | 18   | 15   |  |
| 88 - 90   | 20BP | 16AS  | 17   | 15   |  |
| 85 - 87   | 18BS | 15AP  | 17   | 14   |  |
| 81 - 84   | 16AP | 13AP  | 16   | 14   |  |
| 78 - 80   | 14AS | 11AP  | 15   | 13   |  |
| 74 - 77   | 13AP | 10    | 14   | 12   |  |
| 71 - 73   | 11AP | 8     | 13   | 11   |  |
| 67 - 70   | 9    | 7     | 12   | 11   |  |
| 63 - 66   | 7    | 5     | 11   | 10   |  |
| 59 - 62   | 5    | 3     | 10   | 9    |  |
| 55 - 58   | -    | -     | 9    | 8    |  |
| 51 - 54   | -    | -     | 8    | 7    |  |
| 47 - 50   | -    | -     | 7    | 6    |  |
| 43 - 46   | -    | -     | 6    | 6    |  |
| 1 - F     | F    | F     | F    | F    |  |

**Whip**

| Result    | No   | Armor |     |     |  |
|-----------|------|-------|-----|-----|--|
|           |      | Lt    | Md  | Hvy |  |
| 149 - 150 | 21EP | 17ES  | 7CP | 4BP |  |
| 147 - 148 | 21ES | 17ES  | 7CP | 4BP |  |
| 146 - 146 | 21EP | 17ES  | 7CP | 4BP |  |
| 145 - 145 | 20EP | 17EP  | 7CP | 4BP |  |
| 144 - 144 | 20ES | 16EP  | 7CP | 4BP |  |
| 142 - 143 | 20ES | 16EP  | 7CP | 4BP |  |
| 141 - 141 | 19ES | 16DP  | 7BP | 4BP |  |
| 139 - 140 | 19EP | 16DP  | 7BP | 4BP |  |
| 138 - 138 | 19EP | 15DP  | 7BP | 4AP |  |
| 136 - 137 | 18EP | 15DS  | 7BP | 4AP |  |
| 134 - 135 | 18EP | 15DP  | 7BP | 4AP |  |
| 132 - 133 | 17DS | 14DP  | 6BP | 4AP |  |
| 130 - 131 | 17DS | 14DP  | 6BP | 4AP |  |
| 128 - 129 | 16DS | 14CP  | 6AS | 4AP |  |
| 126 - 127 | 16DP | 13CP  | 6AP | 4AP |  |
| 124 - 125 | 15DS | 13CP  | 6AS | 4   |  |
| 122 - 123 | 15DS | 12CP  | 6AP | 4   |  |
| 119 - 121 | 15CS | 12CP  | 6AP | 4   |  |
| 117 - 118 | 14CS | 11BS  | 6   | 4   |  |
| 114 - 116 | 13CS | 11BS  | 5   | 4   |  |
| 112 - 113 | 13CP | 11BS  | 5   | 3   |  |
| 109 - 111 | 12CS | 10BP  | 5   | 3   |  |
| 106 - 108 | 11BP | 10BS  | 5   | 3   |  |
| 103 - 105 | 11BP | 9AP   | 5   | 3   |  |
| 100 - 102 | 10BP | 8AS   | 5   | 3   |  |
| 97 - 99   | 9BP  | 8AS   | 4   | 3   |  |
| 94 - 96   | 9AP  | 7AP   | 4   | 3   |  |
| 91 - 93   | 8AS  | 7AS   | 4   | 3   |  |
| 88 - 90   | 7AS  | 6     | 4   | 3   |  |
| 85 - 87   | 6AS  | 6     | 4   | 3   |  |
| 81 - 84   | 6AS  | 5     | 3   | 3   |  |
| 78 - 80   | 5    | 4     | 3   | 2   |  |
| 74 - 77   | 4    | 4     | 3   | 2   |  |
| 71 - 73   | -    | 3     | 3   | 2   |  |
| 67 - 70   | -    | 2     | 3   | 2   |  |
| 63 - 66   | -    | 2     | 2   | 2   |  |
| 59 - 62   | -    | -     | 2   | 2   |  |
| 55 - 58   | -    | -     | 2   | 2   |  |
| 51 - 54   | -    | -     | 2   | 2   |  |
| 47 - 50   | -    | -     | -   | 2   |  |
| 43 - 46   | -    | -     | -   | 2   |  |
| 1 - F     | F    | F     | F   | F   |  |

btw ... what is on my todo list is  
finish to include all weapon  
attack tables ... for the time  
being i think it makes sense only  
to do the “most wanted” list:

- [X] Dagger
- [\_] Flail
- [\_] Gauntlet

| <code>\$if(title-prefix)\$title-prefix\$ - \$endif\$pagetitle\$</code>    |   |
|---|---|
| <input type="checkbox"/> Great Weapon (2h Swords/Hafted Blades)           | <input checked="" type="checkbox"/> Javelin   |
| <input type="checkbox"/> Halberd  | <input type="checkbox"/> Lasso                |
| <input checked="" type="checkbox"/> Hand Weapon (1h Swords/Hafted Blades) | <input checked="" type="checkbox"/> Longbow   |
| <input checked="" type="checkbox"/> Lance (mounted)                       | <input type="checkbox"/> Net                  |
| <input checked="" type="checkbox"/> Main Gauche                           | <input type="checkbox"/> Shortbow             |
| <input type="checkbox"/> Morning Star                                     | <input type="checkbox"/> Sling                |
| <input type="checkbox"/> Quarter Staff                                    | <input type="checkbox"/> Staff Sling          |
| <input type="checkbox"/> Rapier   | <input type="checkbox"/> Throwing Axe/Hammer  |
| <input checked="" type="checkbox"/> Spear                                 | <input type="checkbox"/> Throwing Dagger/Star |
| <input type="checkbox"/> Sabre  | <input checked="" type="checkbox"/> Whip      |
| <br><input type="checkbox"/> Crossbow                                     |   |



Natural Attacks

Natural, Bite

| Armor     |      |      |      |      |  |
|-----------|------|------|------|------|--|
| Result    | No   | Lt   | Md   | Hvy  |  |
| 149 - 150 | 30ES | 21EK | 15EK | 10EP |  |
| 147 - 148 | 30ES | 20EK | 15ES | 10EK |  |
| 146 - 146 | 29EK | 20EK | 15EP | 10EP |  |
| 145 - 145 | 29ES | 19ES | 15DS | 10DK |  |
| 144 - 144 | 28EK | 19EP | 15DK | 10DK |  |
| 142 - 143 | 28ES | 19EP | 14DP | 10DS |  |
| 141 - 141 | 27ES | 18EK | 14DK | 10DS |  |
| 139 - 140 | 27ES | 18ES | 14DS | 9DK  |  |
| 138 - 138 | 26ES | 18ES | 14DK | 9DP  |  |
| 136 - 137 | 25EK | 17EK | 13DS | 9DP  |  |
| 134 - 135 | 25EP | 17EK | 13DP | 9DK  |  |
| 132 - 133 | 24EP | 16DS | 13CP | 9DS  |  |
| 130 - 131 | 23EP | 16DS | 12CK | 9DK  |  |
| 128 - 129 | 22ES | 16DP | 12CK | 8CK  |  |
| 126 - 127 | 22ES | 15DS | 12CK | 8CS  |  |
| 124 - 125 | 21ES | 15CS | 11CP | 8CK  |  |
| 122 - 123 | 20ES | 14CS | 11CS | 8CK  |  |
| 119 - 121 | 19DS | 14CS | 11BK | 8BK  |  |
| 117 - 118 | 18DP | 13CP | 10BK | 7AK  |  |
| 114 - 116 | 17DS | 12CK | 10BK | 7AK  |  |
| 112 - 113 | 16CP | 12BK | 9BK  | 7AK  |  |
| 109 - 111 | 15CS | 11BS | 9AK  | 7AK  |  |
| 106 - 108 | 14CS | 11BS | 9AK  | 6AK  |  |
| 103 - 105 | 13BP | 10AP | 8AK  | 6AK  |  |
| 100 - 102 | 12BP | 9AS  | 8AP  | 6    |  |
| 97 - 99   | 11BS | 8AK  | 7    | 5    |  |
| 94 - 96   | 10AK | 8    | 7    | 5    |  |
| 91 - 93   | 8AP  | 7    | 6    | 5    |  |
| 88 - 90   | 7AS  | 6    | 6    | 4    |  |
| 85 - 87   | 6    | 6    | 5    | 4    |  |
| 81 - 84   | 5    | 5    | 5    | 4    |  |
| 78 - 80   | 3    | 4    | 4    | 3    |  |
| 74 - 77   | 2    | 3    | 3    | 3    |  |
| 71 - 73   | –    | 2    | 3    | 3    |  |
| 67 - 70   | –    | 1    | 2    | 2    |  |
| 63 - 66   | –    | –    | 2    | 2    |  |
| 59 - 62   | –    | –    | –    | 2    |  |
| 55 - 58   | –    | –    | –    | –    |  |
| 51 - 54   | –    | –    | –    | –    |  |
| 47 - 50   | –    | –    | –    | –    |  |
| 43 - 46   | –    | –    | –    | –    |  |
| 1 - F     | F    | F    | F    | F    |  |

Natural, Claw

| Armor     |      |      |      |     |  |
|-----------|------|------|------|-----|--|
| Result    | No   | Lt   | Md   | Hvy |  |
| 149 - 150 | 20ES | 15EK | 10EK | 7EK |  |
| 147 - 148 | 20ES | 15ES | 10EK | 7EK |  |
| 146 - 146 | 19ES | 15ES | 10ES | 7EK |  |
| 145 - 145 | 19ES | 15EK | 10DS | 7DK |  |
| 144 - 144 | 19ES | 14ES | 10DK | 7DS |  |
| 142 - 143 | 19ES | 14ES | 10DK | 7DK |  |
| 141 - 141 | 18ES | 14ES | 10DS | 7DK |  |
| 139 - 140 | 18ES | 14EK | 9DS  | 7DS |  |
| 138 - 138 | 17ES | 13EK | 9DS  | 7DS |  |
| 136 - 137 | 17ES | 13ES | 9DS  | 7DK |  |
| 134 - 135 | 17ES | 13ES | 9DS  | 6DK |  |
| 132 - 133 | 16ES | 13DS | 9CS  | 6DS |  |
| 130 - 131 | 16ES | 12DS | 8CS  | 6DS |  |
| 128 - 129 | 15ES | 12DK | 8CK  | 6CS |  |
| 126 - 127 | 15ES | 11DS | 8CS  | 6CK |  |
| 124 - 125 | 14ES | 11CS | 8CK  | 6CS |  |
| 122 - 123 | 14ES | 11CS | 8CS  | 6CK |  |
| 119 - 121 | 13DS | 10CS | 7BS  | 6BK |  |
| 117 - 118 | 12DS | 10CS | 7BS  | 5AK |  |
| 114 - 116 | 12DS | 10CS | 7BK  | 5AK |  |
| 112 - 113 | 11CS | 9BS  | 7BS  | 5AK |  |
| 109 - 111 | 11CS | 9BS  | 6AK  | 5AK |  |
| 106 - 108 | 10CS | 8BK  | 6AK  | 5AK |  |
| 103 - 105 | 9BS  | 8AS  | 6AS  | 4AS |  |
| 100 - 102 | 8BS  | 7AS  | 5AK  | 4   |  |
| 97 - 99   | 8BS  | 7AS  | 5    | 4   |  |
| 94 - 96   | 7AS  | 6    | 5    | 4   |  |
| 91 - 93   | 6AS  | 6    | 4    | 4   |  |
| 88 - 90   | 5AS  | 5    | 4    | 3   |  |
| 85 - 87   | 5    | 4    | 4    | 3   |  |
| 81 - 84   | 4    | 4    | 4    | 3   |  |
| 78 - 80   | 3    | 3    | 3    | 3   |  |
| 74 - 77   | 2    | 3    | 3    | 3   |  |
| 71 - 73   | –    | 2    | 2    | 2   |  |
| 67 - 70   | –    | 1    | 2    | 2   |  |
| 63 - 66   | –    | –    | 2    | 2   |  |
| 59 - 62   | –    | –    | –    | 2   |  |
| 55 - 58   | –    | –    | –    | –   |  |
| 51 - 54   | –    | –    | –    | –   |  |
| 47 - 50   | –    | –    | –    | –   |  |
| 43 - 46   | –    | –    | –    | –   |  |
| 1 - F     | F    | F    | F    | F   |  |

Natural, Gore

| Armor     |      |      |      |      |  |
|-----------|------|------|------|------|--|
| Result    | No   | Lt   | Md   | Hvy  |  |
| 149 - 150 | 30EP | 21EP | 15EP | 10EP |  |
| 147 - 148 | 30EP | 20EP | 15EP | 10EP |  |
| 146 - 146 | 29EP | 20EP | 15EP | 10EP |  |
| 145 - 145 | 29EP | 19EP | 15DP | 10DP |  |
| 144 - 144 | 28EP | 19EP | 15DP | 10DP |  |
| 142 - 143 | 28EP | 19EP | 14DP | 10DP |  |
| 141 - 141 | 27EP | 18EP | 14DP | 10DP |  |
| 139 - 140 | 27EP | 18EP | 14DP | 9DP  |  |
| 138 - 138 | 26EP | 18EP | 14DP | 9DP  |  |
| 136 - 137 | 25EP | 17EP | 13DP | 9DP  |  |
| 134 - 135 | 25EP | 17EP | 13DP | 9DP  |  |
| 132 - 133 | 24EP | 16DP | 13CP | 9DP  |  |
| 130 - 131 | 23EP | 16DP | 12CP | 9DP  |  |
| 128 - 129 | 22EP | 16DP | 12CP | 8CP  |  |
| 126 - 127 | 22EP | 15DP | 12CP | 8CP  |  |
| 124 - 125 | 21EP | 15CP | 11CP | 8CP  |  |
| 122 - 123 | 20EP | 14CP | 11CP | 8CP  |  |
| 119 - 121 | 19DP | 14CP | 11BP | 8BP  |  |
| 117 - 118 | 18DP | 13CP | 10BP | 7AP  |  |
| 114 - 116 | 17DP | 12CP | 10BP | 7AP  |  |
| 112 - 113 | 16CP | 12BP | 9BP  | 7AP  |  |
| 109 - 111 | 15CP | 11BP | 9AP  | 7AP  |  |
| 106 - 108 | 14CP | 11BP | 9AP  | 6AP  |  |
| 103 - 105 | 13BP | 10AP | 8AP  | 6AP  |  |
| 100 - 102 | 12BP | 9AP  | 8AP  | 6    |  |
| 97 - 99   | 11BP | 8AP  | 7    | 5    |  |
| 94 - 96   | 10AP | 8    | 7    | 5    |  |
| 91 - 93   | 8AP  | 7    | 6    | 5    |  |
| 88 - 90   | 7AP  | 6    | 6    | 4    |  |
| 85 - 87   | 6    | 6    | 5    | 4    |  |
| 81 - 84   | 5    | 5    | 5    | 4    |  |
| 78 - 80   | 3    | 4    | 4    | 3    |  |
| 74 - 77   | 2    | 3    | 3    | 3    |  |
| 71 - 73   | –    | 2    | 3    | 3    |  |
| 67 - 70   | –    | 1    | 2    | 2    |  |
| 63 - 66   | –    | –    | 2    | 2    |  |
| 59 - 62   | –    | –    | –    | 2    |  |
| 55 - 58   | –    | –    | –    | –    |  |
| 51 - 54   | –    | –    | –    | –    |  |
| 47 - 50   | –    | –    | –    | –    |  |
| 43 - 46   | –    | –    | –    | –    |  |
| 1 - F     | F    | F    | F    | F    |  |



### Natural, Slam/Bash/Ram

| Armor     |      |      |      |     |  |
|-----------|------|------|------|-----|--|
| Result    | No   | Lt   | Md   | Hvy |  |
| 149 - 150 | 20EI | 15EI | 10EI | 5EI |  |
| 147 - 148 | 20EI | 15EI | 10EI | 5EI |  |
| 146 - 146 | 19EI | 15EI | 10EI | 5EI |  |
| 145 - 145 | 19EI | 15EI | 10DI | 5DI |  |
| 144 - 144 | 19EI | 14EI | 10DI | 5DI |  |
| 142 - 143 | 19EI | 14EI | 10DI | 5DI |  |
| 141 - 141 | 18EI | 14EI | 10DI | 5DI |  |
| 139 - 140 | 18EI | 14EI | 9DI  | 5DI |  |
| 138 - 138 | 17EI | 13EI | 9DI  | 5DI |  |
| 136 - 137 | 17EI | 13EI | 9DI  | 5DI |  |
| 134 - 135 | 17EI | 13EI | 9DI  | 5DI |  |
| 132 - 133 | 16EI | 13DI | 9CI  | 5DI |  |
| 130 - 131 | 16EI | 12DI | 8CI  | 5DI |  |
| 128 - 129 | 15EI | 12DI | 8CI  | 5CI |  |
| 126 - 127 | 15EI | 11DI | 8CI  | 4CI |  |
| 124 - 125 | 14EI | 11CI | 8CI  | 4CI |  |
| 122 - 123 | 14EI | 11CI | 8CI  | 4CI |  |
| 119 - 121 | 13DI | 10CI | 7BI  | 4BI |  |
| 117 - 118 | 12DI | 10CI | 7BI  | 4AI |  |
| 114 - 116 | 12DI | 10CI | 7BI  | 4AI |  |
| 112 - 113 | 11CI | 9BI  | 7BI  | 4AI |  |
| 109 - 111 | 11CI | 9BI  | 6AI  | 4AI |  |
| 106 - 108 | 10CI | 8BI  | 6AI  | 4AI |  |
| 103 - 105 | 9BI  | 8AI  | 6AI  | 3AI |  |
| 100 - 102 | 8BI  | 7AI  | 5AI  | 3   |  |
| 97 - 99   | 8BI  | 7AI  | 5    | 3   |  |
| 94 - 96   | 7AI  | 6    | 5    | 3   |  |
| 91 - 93   | 6AI  | 6    | 4    | 3   |  |
| 88 - 90   | 5AI  | 5    | 4    | 3   |  |
| 85 - 87   | 5    | 4    | 4    | 3   |  |
| 81 - 84   | 4    | 4    | 4    | 3   |  |
| 78 - 80   | 3    | 3    | 3    | 2   |  |
| 74 - 77   | 2    | 3    | 3    | 2   |  |
| 71 - 73   | –    | 2    | 2    | 2   |  |
| 67 - 70   | –    | 1    | 2    | 2   |  |
| 63 - 66   | –    | –    | 2    | 2   |  |
| 59 - 62   | –    | –    | –    | 2   |  |
| 55 - 58   | –    | –    | –    | –   |  |
| 51 - 54   | –    | –    | –    | –   |  |
| 47 - 50   | –    | –    | –    | –   |  |
| 43 - 46   | –    | –    | –    | –   |  |
| 1 - F     | F    | F    | F    | F   |  |

### Hoof/Tentacle/Wing

| Armor     |      |      |      |     |  |
|-----------|------|------|------|-----|--|
| Result    | No   | Lt   | Md   | Hvy |  |
| 149 - 150 | 20EK | 15EK | 10EK | 5EK |  |
| 147 - 148 | 20EK | 15EK | 10EK | 5EK |  |
| 146 - 146 | 19EK | 15EK | 10EK | 5EK |  |
| 145 - 145 | 19EK | 15EK | 10DK | 5DK |  |
| 144 - 144 | 19EK | 14EK | 10DK | 5DK |  |
| 142 - 143 | 19EK | 14EK | 10DK | 5DK |  |
| 141 - 141 | 18EK | 14EK | 10DK | 5DK |  |
| 139 - 140 | 18EK | 14EK | 9DK  | 5DK |  |
| 138 - 138 | 17EK | 13EK | 9DK  | 5DK |  |
| 136 - 137 | 17EK | 13EK | 9DK  | 5DK |  |
| 134 - 135 | 17EK | 13EK | 9DK  | 5DK |  |
| 132 - 133 | 16EK | 13DK | 9CK  | 5DK |  |
| 130 - 131 | 16EK | 12DK | 8CK  | 5DK |  |
| 128 - 129 | 15EK | 12DK | 8CK  | 5CK |  |
| 126 - 127 | 15EK | 11DK | 8CK  | 4CK |  |
| 124 - 125 | 14EK | 11CK | 8CK  | 4CK |  |
| 122 - 123 | 14EK | 11CK | 8CK  | 4CK |  |
| 119 - 121 | 13DK | 10CK | 7BK  | 4BK |  |
| 117 - 118 | 12DK | 10CK | 7BK  | 4AK |  |
| 114 - 116 | 12DK | 10CK | 7BK  | 4AK |  |
| 112 - 113 | 11CK | 9BK  | 7BK  | 4AK |  |
| 109 - 111 | 11CK | 9BK  | 6AK  | 4AK |  |
| 106 - 108 | 10CK | 8BK  | 6AK  | 4AK |  |
| 103 - 105 | 9BK  | 8AK  | 6AK  | 3AK |  |
| 100 - 102 | 8BK  | 7AK  | 5AK  | 3   |  |
| 97 - 99   | 8BK  | 7AK  | 5    | 3   |  |
| 94 - 96   | 7AK  | 6    | 5    | 3   |  |
| 91 - 93   | 6AK  | 6    | 4    | 3   |  |
| 88 - 90   | 5AK  | 5    | 4    | 3   |  |
| 85 - 87   | 5    | 4    | 4    | 3   |  |
| 81 - 84   | 4    | 4    | 4    | 3   |  |
| 78 - 80   | 3    | 3    | 3    | 2   |  |
| 74 - 77   | 2    | 3    | 3    | 2   |  |
| 71 - 73   | –    | 2    | 2    | 2   |  |
| 67 - 70   | –    | 1    | 2    | 2   |  |
| 63 - 66   | –    | –    | 2    | 2   |  |
| 59 - 62   | –    | –    | –    | 2   |  |
| 55 - 58   | –    | –    | –    | –   |  |
| 51 - 54   | –    | –    | –    | –   |  |
| 47 - 50   | –    | –    | –    | –   |  |
| 43 - 46   | –    | –    | –    | –   |  |
| 1 - F     | F    | F    | F    | F   |  |

### Pincers/Tail Slap

| Armor     |      |      |      |      |  |
|-----------|------|------|------|------|--|
| Result    | No   | Lt   | Md   | Hvy  |  |
| 149 - 150 | 30EK | 21EK | 15EK | 10EK |  |
| 147 - 148 | 30EK | 20EK | 15EK | 10EK |  |
| 146 - 146 | 29EK | 20EK | 15EK | 10EK |  |
| 145 - 145 | 29EK | 19EK | 15DK | 10DK |  |
| 144 - 144 | 28EK | 19EK | 15DK | 10DK |  |
| 142 - 143 | 28EK | 19EK | 14DK | 10DK |  |
| 141 - 141 | 27EK | 18EK | 14DK | 10DK |  |
| 139 - 140 | 27EK | 18EK | 14DK | 9DK  |  |
| 138 - 138 | 26EK | 18EK | 14DK | 9DK  |  |
| 136 - 137 | 25EK | 17EK | 13DK | 9DK  |  |
| 134 - 135 | 25EK | 17EK | 13DK | 9DK  |  |
| 132 - 133 | 24EK | 16DK | 13CK | 9DK  |  |
| 130 - 131 | 23EK | 16DK | 12CK | 9DK  |  |
| 128 - 129 | 22EK | 16DK | 12CK | 8CK  |  |
| 126 - 127 | 22EK | 15DK | 12CK | 8CK  |  |
| 124 - 125 | 21EK | 15CK | 11CK | 8CK  |  |
| 122 - 123 | 20EK | 14CK | 11CK | 8CK  |  |
| 119 - 121 | 19DK | 14CK | 11BK | 8BK  |  |
| 117 - 118 | 18DK | 13CK | 10BK | 7AK  |  |
| 114 - 116 | 17DK | 12CK | 10BK | 7AK  |  |
| 112 - 113 | 16CK | 12BK | 9BK  | 7AK  |  |
| 109 - 111 | 15CK | 11BK | 9AK  | 7AK  |  |
| 106 - 108 | 14CK | 11BK | 9AK  | 6AK  |  |
| 103 - 105 | 13BK | 10AK | 8AK  | 6AK  |  |
| 100 - 102 | 12BK | 9AK  | 8AK  | 6    |  |
| 97 - 99   | 11BK | 8AK  | 7    | 5    |  |
| 94 - 96   | 10AK | 8    | 7    | 5    |  |
| 91 - 93   | 8AK  | 7    | 6    | 5    |  |
| 88 - 90   | 7AK  | 6    | 6    | 4    |  |
| 85 - 87   | 6    | 6    | 5    | 4    |  |
| 81 - 84   | 5    | 5    | 5    | 4    |  |
| 78 - 80   | 3    | 4    | 4    | 3    |  |
| 74 - 77   | 2    | 3    | 3    | 3    |  |
| 71 - 73   | –    | 2    | 3    | 3    |  |
| 67 - 70   | –    | 1    | 2    | 2    |  |
| 63 - 66   | –    | –    | 2    | 2    |  |
| 59 - 62   | –    | –    | –    | 2    |  |
| 55 - 58   | –    | –    | –    | –    |  |
| 51 - 54   | –    | –    | –    | –    |  |
| 47 - 50   | –    | –    | –    | –    |  |
| 43 - 46   | –    | –    | –    | –    |  |
| 1 - F     | F    | F    | F    | F    |  |

## Natural, Other

| Armor     |      |      |      |     |  |
|-----------|------|------|------|-----|--|
| Result    | No   | Lt   | Md   | Hvy |  |
| 149 - 150 | 20E? | 15E? | 10E? | 6E? |  |
| 147 - 148 | 20E? | 15E? | 10E? | 6E? |  |
| 146 - 146 | 19E? | 15E? | 10E? | 6E? |  |
| 145 - 145 | 19E? | 15E? | 10D? | 6D? |  |
| 144 - 144 | 19E? | 14E? | 10D? | 6D? |  |
| 142 - 143 | 19E? | 14E? | 10D? | 6D? |  |
| 141 - 141 | 18E? | 14E? | 10D? | 6D? |  |
| 139 - 140 | 18E? | 14E? | 9D?  | 6D? |  |
| 138 - 138 | 17E? | 13E? | 9D?  | 6D? |  |
| 136 - 137 | 17E? | 13E? | 9D?  | 6D? |  |
| 134 - 135 | 17E? | 13E? | 9D?  | 6D? |  |
| 132 - 133 | 16E? | 13D? | 9C?  | 6D? |  |
| 130 - 131 | 16E? | 12D? | 8C?  | 5D? |  |
| 128 - 129 | 15E? | 12D? | 8C?  | 5C? |  |
| 126 - 127 | 15E? | 11D? | 8C?  | 5C? |  |
| 124 - 125 | 14E? | 11C? | 8C?  | 5C? |  |
| 122 - 123 | 14E? | 11C? | 8C?  | 5C? |  |
| 119 - 121 | 13D? | 10C? | 7B?  | 5B? |  |
| 117 - 118 | 12D? | 10C? | 7B?  | 5A? |  |
| 114 - 116 | 12D? | 10C? | 7B?  | 5A? |  |
| 112 - 113 | 11C? | 9B?  | 7B?  | 4A? |  |
| 109 - 111 | 11C? | 9B?  | 6A?  | 4A? |  |
| 106 - 108 | 10C? | 8B?  | 6A?  | 4A? |  |
| 103 - 105 | 9B?  | 8A?  | 6A?  | 4A? |  |
| 100 - 102 | 8B?  | 7A?  | 5A?  | 4   |  |
| 97 - 99   | 8B?  | 7A?  | 5    | 4   |  |
| 94 - 96   | 7A?  | 6    | 5    | 3   |  |
| 91 - 93   | 6A?  | 6    | 4    | 3   |  |
| 88 - 90   | 5A?  | 5    | 4    | 3   |  |
| 85 - 87   | 5    | 4    | 4    | 3   |  |
| 81 - 84   | 4    | 4    | 4    | 3   |  |
| 78 - 80   | 3    | 3    | 3    | 3   |  |
| 74 - 77   | 2    | 3    | 3    | 2   |  |
| 71 - 73   | –    | 2    | 2    | 2   |  |
| 67 - 70   | –    | 1    | 2    | 2   |  |
| 63 - 66   | –    | –    | 2    | 2   |  |
| 59 - 62   | –    | –    | –    | 2   |  |
| 55 - 58   | –    | –    | –    | –   |  |
| 51 - 54   | –    | –    | –    | –   |  |
| 47 - 50   | –    | –    | –    | –   |  |
| 43 - 46   | –    | –    | –    | –   |  |
| 1 - F     | F    | F    | F    | F   |  |

## Sting/Horns/Tusks/Spikes

| Armor     |      |      |      |      |  |
|-----------|------|------|------|------|--|
| Result    | No   | Lt   | Md   | Hvy  |  |
| 149 - 150 | 30EP | 21ES | 15EP | 10EP |  |
| 147 - 148 | 30ES | 20ES | 15EP | 10EP |  |
| 146 - 146 | 29EP | 20ES | 15EP | 10EP |  |
| 145 - 145 | 29EP | 19EP | 15DP | 10DP |  |
| 144 - 144 | 28ES | 19EP | 15DP | 10DP |  |
| 142 - 143 | 28ES | 19EP | 14DP | 10DP |  |
| 141 - 141 | 27ES | 18EP | 14DP | 10DP |  |
| 139 - 140 | 27EP | 18EP | 14DP | 9DP  |  |
| 138 - 138 | 26EP | 18EP | 14DP | 9DP  |  |
| 136 - 137 | 25EP | 17ES | 13DP | 9DP  |  |
| 134 - 135 | 25EP | 17EP | 13DP | 9DP  |  |
| 132 - 133 | 24ES | 16DP | 13CP | 9DP  |  |
| 130 - 131 | 23ES | 16DP | 12CP | 9DP  |  |
| 128 - 129 | 22ES | 16DP | 12CS | 8CP  |  |
| 126 - 127 | 22EP | 15DP | 12CP | 8CP  |  |
| 124 - 125 | 21ES | 15CP | 11CS | 8CP  |  |
| 122 - 123 | 20EP | 14CP | 11CP | 8CP  |  |
| 119 - 121 | 19DS | 14CS | 11BP | 8BP  |  |
| 117 - 118 | 18DP | 13CP | 10BP | 7AP  |  |
| 114 - 116 | 17DP | 12CP | 10BS | 7AP  |  |
| 112 - 113 | 16CP | 12BP | 9BP  | 7AP  |  |
| 109 - 111 | 15CP | 11BP | 9AP  | 7AP  |  |
| 106 - 108 | 14CP | 11BS | 9AS  | 6AP  |  |
| 103 - 105 | 13BP | 10AP | 8AP  | 6AP  |  |
| 100 - 102 | 12BP | 9AS  | 8AS  | 6    |  |
| 97 - 99   | 11BS | 8AS  | 7    | 5    |  |
| 94 - 96   | 10AS | 8    | 7    | 5    |  |
| 91 - 93   | 8AP  | 7    | 6    | 5    |  |
| 88 - 90   | 7AP  | 6    | 6    | 4    |  |
| 85 - 87   | 6    | 6    | 5    | 4    |  |
| 81 - 84   | 5    | 5    | 5    | 4    |  |
| 78 - 80   | 3    | 4    | 4    | 3    |  |
| 74 - 77   | 2    | 3    | 3    | 3    |  |
| 71 - 73   | –    | 2    | 3    | 3    |  |
| 67 - 70   | –    | 1    | 2    | 2    |  |
| 63 - 66   | –    | –    | 2    | 2    |  |
| 59 - 62   | –    | –    | –    | 2    |  |
| 55 - 58   | –    | –    | –    | –    |  |
| 51 - 54   | –    | –    | –    | –    |  |
| 47 - 50   | –    | –    | –    | –    |  |
| 43 - 46   | –    | –    | –    | –    |  |
| 1 - F     | F    | F    | F    | F    |  |

## Natural, Talon

| Armor     |      |      |      |     |  |
|-----------|------|------|------|-----|--|
| Result    | No   | Lt   | Md   | Hvy |  |
| 149 - 150 | 20ES | 15ES | 10ES | 7ES |  |
| 147 - 148 | 20ES | 15ES | 10ES | 7ES |  |
| 146 - 146 | 19ES | 15ES | 10ES | 7ES |  |
| 145 - 145 | 19ES | 15ES | 10DS | 7DS |  |
| 144 - 144 | 19ES | 14ES | 10DS | 7DS |  |
| 142 - 143 | 19ES | 14ES | 10DS | 7DS |  |
| 141 - 141 | 18ES | 14ES | 10DS | 7DS |  |
| 139 - 140 | 18ES | 14ES | 9DS  | 7DS |  |
| 138 - 138 | 17ES | 13ES | 9DS  | 7DS |  |
| 136 - 137 | 17ES | 13ES | 9DS  | 7DS |  |
| 134 - 135 | 17ES | 13ES | 9DS  | 6DS |  |
| 132 - 133 | 16ES | 13DS | 9CS  | 6DS |  |
| 130 - 131 | 16ES | 12DS | 8CS  | 6DS |  |
| 128 - 129 | 15ES | 12DS | 8CS  | 6CS |  |
| 126 - 127 | 15ES | 11DS | 8CS  | 6CS |  |
| 124 - 125 | 14ES | 11CS | 8CS  | 6CS |  |
| 122 - 123 | 14ES | 11CS | 8CS  | 6CS |  |
| 119 - 121 | 13DS | 10CS | 7BS  | 6BS |  |
| 117 - 118 | 12DS | 10CS | 7BS  | 5AS |  |
| 114 - 116 | 12DS | 10CS | 7BS  | 5AS |  |
| 112 - 113 | 11CS | 9BS  | 7BS  | 5AS |  |
| 109 - 111 | 11CS | 9BS  | 6AS  | 5AS |  |
| 106 - 108 | 10CS | 8BS  | 6AS  | 5AS |  |
| 103 - 105 | 9BS  | 8AS  | 6AS  | 4AS |  |
| 100 - 102 | 8BS  | 7AS  | 5AS  | 4   |  |
| 97 - 99   | 8BS  | 7AS  | 5    | 4   |  |
| 94 - 96   | 7AS  | 6    | 5    | 4   |  |
| 91 - 93   | 6AS  | 6    | 4    | 4   |  |
| 88 - 90   | 5AS  | 5    | 4    | 3   |  |
| 85 - 87   | 5    | 4    | 4    | 3   |  |
| 81 - 84   | 4    | 4    | 4    | 3   |  |
| 78 - 80   | 3    | 3    | 3    | 3   |  |
| 74 - 77   | 2    | 3    | 3    | 3   |  |
| 71 - 73   | –    | 2    | 2    | 2   |  |
| 67 - 70   | –    | 1    | 2    | 2   |  |
| 63 - 66   | –    | –    | 2    | 2   |  |
| 59 - 62   | –    | –    | –    | 2   |  |
| 55 - 58   | –    | –    | –    | –   |  |
| 51 - 54   | –    | –    | –    | –   |  |
| 47 - 50   | –    | –    | –    | –   |  |
| 43 - 46   | –    | –    | –    | –   |  |
| 1 - F     | F    | F    | F    | F   |  |



# NavRPG Attack Tables

## Battle Axe

| Result    | No   | Armor |      |      |
|-----------|------|-------|------|------|
|           |      | Lt    | Md   | Hvy  |
| 149 - 150 | 46EK | 36EK  | 30ES | 25ES |
| 147 - 148 | 44EK | 35ES  | 30ES | 25ES |
| 146 - 146 | 43ES | 34ES  | 29ES | 24ES |
| 145 - 145 | 43ES | 33ES  | 29DS | 24DK |
| 144 - 144 | 42ES | 33EK  | 28DS | 24DS |
| 142 - 143 | 41ES | 32EK  | 28DS | 23DK |
| 141 - 141 | 40ES | 31EK  | 27DS | 23DS |
| 139 - 140 | 40ES | 31ES  | 27DS | 22DS |
| 138 - 138 | 38ES | 30ES  | 26DK | 22DS |
| 136 - 137 | 38ES | 30ES  | 25DS | 21DS |
| 134 - 135 | 37EK | 29ES  | 25DS | 21DK |
| 132 - 133 | 36ES | 28DS  | 24CS | 20DS |
| 130 - 131 | 34ES | 27DK  | 23CK | 19DK |
| 128 - 129 | 33EK | 26DK  | 22CS | 19CS |
| 126 - 127 | 32EK | 25DS  | 22CK | 18CS |
| 124 - 125 | 31ES | 24CK  | 21CS | 18CK |
| 122 - 123 | 30EK | 23CS  | 20CS | 17CS |
| 119 - 121 | 28DS | 22CS  | 19BK | 16BS |
| 117 - 118 | 27DS | 21CS  | 18BK | 15AS |
| 114 - 116 | 26DK | 20CS  | 17BS | 15AS |
| 112 - 113 | 24CK | 19BK  | 16BS | 14AS |
| 109 - 111 | 23CS | 18BS  | 15AK | 13AS |
| 106 - 108 | 21CS | 16BS  | 14AS | 12AK |
| 103 - 105 | 19BK | 15AS  | 13AS | 11AS |
| 100 - 102 | 17BK | 14AS  | 12AK | 10   |
| 97 - 99   | 16BS | 12AK  | 11   | 9    |
| 94 - 96   | 14AS | 11    | 10   | 8    |
| 91 - 93   | 12AK | 10    | 8    | 7    |
| 88 - 90   | 10AS | 8     | 7    | 7    |
| 85 - 87   | 9    | 7     | 6    | 6    |
| 81 - 84   | 7    | 6     | 5    | 5    |
| 78 - 80   | 4    | 4     | 3    | 3    |
| 74 - 77   | 3    | 2     | 2    | 2    |
| 71 - 73   | –    | –     | –    | –    |
| 67 - 70   | –    | –     | –    | –    |
| 63 - 66   | –    | –     | –    | –    |
| 59 - 62   | –    | –     | –    | –    |
| 55 - 58   | –    | –     | –    | –    |
| 51 - 54   | –    | –     | –    | –    |
| 47 - 50   | –    | –     | –    | –    |
| 43 - 46   | –    | –     | –    | –    |
| 1 - F     | F    | F     | F    | F    |

## Club

| Result    | No   | Armor |      |      |
|-----------|------|-------|------|------|
|           |      | Lt    | Md   | Hvy  |
| 149 - 150 | 36EK | 26EK  | 21EK | 10EK |
| 147 - 148 | 35EK | 25EK  | 20EK | 10EK |
| 146 - 146 | 34EK | 24EK  | 20EK | 10EK |
| 145 - 145 | 33EK | 24EK  | 19DK | 10DK |
| 144 - 144 | 33EK | 24EK  | 19DK | 10DK |
| 142 - 143 | 32EK | 23EK  | 19DK | 10DK |
| 141 - 141 | 31EK | 23EK  | 18DK | 10DK |
| 139 - 140 | 31EK | 23EK  | 18DK | 9DK  |
| 138 - 138 | 30EK | 22EK  | 18DK | 9DK  |
| 136 - 137 | 30EK | 22EK  | 18DK | 9DK  |
| 134 - 135 | 29EK | 21EK  | 17DK | 9DK  |
| 132 - 133 | 28EK | 20DK  | 17CK | 9DK  |
| 130 - 131 | 27EK | 20DK  | 16CK | 9DK  |
| 128 - 129 | 26EK | 19DK  | 16CK | 8CK  |
| 126 - 127 | 25EK | 19DK  | 15CK | 8CK  |
| 124 - 125 | 24EK | 18CK  | 15CK | 8CK  |
| 122 - 123 | 23EK | 17CK  | 14CK | 8CK  |
| 119 - 121 | 22DK | 17CK  | 14BK | 8BK  |
| 117 - 118 | 21DK | 16CK  | 13BK | 7AK  |
| 114 - 116 | 20DK | 15CK  | 13BK | 7AK  |
| 112 - 113 | 19CK | 14BK  | 12BK | 7AK  |
| 109 - 111 | 18CK | 14BK  | 12AK | 7AK  |
| 106 - 108 | 16CK | 13BK  | 11AK | 6AK  |
| 103 - 105 | 15BK | 12AK  | 10AK | 6AK  |
| 100 - 102 | 14BK | 11AK  | 10AK | 6    |
| 97 - 99   | 12BK | 10AK  | 9    | 5    |
| 94 - 96   | 11AK | 9     | 8    | 5    |
| 91 - 93   | 10AK | 8     | 8    | 5    |
| 88 - 90   | 8AK  | 8     | 7    | 4    |
| 85 - 87   | 7    | 7     | 6    | 4    |
| 81 - 84   | 6    | 6     | 6    | 4    |
| 78 - 80   | 4    | 4     | 5    | 3    |
| 74 - 77   | 2    | 4     | 4    | 3    |
| 71 - 73   | –    | 2     | 3    | 3    |
| 67 - 70   | –    | 1     | 3    | 2    |
| 63 - 66   | –    | –     | 2    | 2    |
| 59 - 62   | –    | –     | –    | 2    |
| 55 - 58   | –    | –     | –    | –    |
| 51 - 54   | –    | –     | –    | –    |
| 47 - 50   | –    | –     | –    | –    |
| 43 - 46   | –    | –     | –    | –    |
| 1 - F     | F    | F     | F    | F    |

## Dagger

| Result    | No   | Armor |      |      |
|-----------|------|-------|------|------|
|           |      | Lt    | Md   | Hvy  |
| 149 - 150 | 40EP | 26ES  | 15EP | 10EP |
| 147 - 148 | 39ES | 25ES  | 15EP | 10EP |
| 146 - 146 | 38EP | 24ES  | 15EP | 10EP |
| 145 - 145 | 38EP | 24EP  | 15DP | 10DP |
| 144 - 144 | 37ES | 24EP  | 15DP | 10DP |
| 142 - 143 | 37ES | 23EP  | 14DP | 10DP |
| 141 - 141 | 36ES | 23EP  | 14DP | 10DP |
| 139 - 140 | 35EP | 23EP  | 14DP | 9DP  |
| 138 - 138 | 34EP | 22EP  | 14DP | 9DP  |
| 136 - 137 | 34EP | 22ES  | 13DP | 9DP  |
| 134 - 135 | 33EP | 21EP  | 13DP | 9DP  |
| 132 - 133 | 32ES | 20DP  | 13CP | 9DP  |
| 130 - 131 | 31ES | 20DP  | 12CP | 9DP  |
| 128 - 129 | 30ES | 19DP  | 12CS | 8CP  |
| 126 - 127 | 29EP | 19DP  | 12CP | 8CP  |
| 124 - 125 | 27ES | 18CP  | 11CS | 8CP  |
| 122 - 123 | 26EP | 17CP  | 11CP | 8CP  |
| 119 - 121 | 25DS | 17CS  | 11BP | 8BP  |
| 117 - 118 | 24DP | 16CP  | 10BP | 7AP  |
| 114 - 116 | 23DP | 15CP  | 10BS | 7AP  |
| 112 - 113 | 21CP | 14BP  | 9BP  | 7AP  |
| 109 - 111 | 20CP | 14BP  | 9AP  | 7AP  |
| 106 - 108 | 19CP | 13BS  | 9AS  | 6AP  |
| 103 - 105 | 17BP | 12AP  | 8AP  | 6AP  |
| 100 - 102 | 16BP | 11AS  | 8AS  | 6    |
| 97 - 99   | 14BS | 10AS  | 7    | 5    |
| 94 - 96   | 12AS | 9     | 7    | 5    |
| 91 - 93   | 11AP | 8     | 6    | 5    |
| 88 - 90   | 9AP  | 8     | 6    | 4    |
| 85 - 87   | 8    | 7     | 5    | 4    |
| 81 - 84   | 6    | 6     | 5    | 4    |
| 78 - 80   | 4    | 4     | 4    | 3    |
| 74 - 77   | 3    | 4     | 3    | 3    |
| 71 - 73   | –    | 2     | 3    | 3    |
| 67 - 70   | –    | 1     | 2    | 2    |
| 63 - 66   | –    | –     | 2    | 2    |
| 59 - 62   | –    | –     | –    | 2    |
| 55 - 58   | –    | –     | –    | –    |
| 51 - 54   | –    | –     | –    | –    |
| 47 - 50   | –    | –     | –    | –    |
| 43 - 46   | –    | –     | –    | –    |
| 1 - F     | F    | F     | F    | F    |

**Mono Dagger**

| Result    | No   | Armor |      |      |  |
|-----------|------|-------|------|------|--|
|           |      | Lt    | Md   | Hvy  |  |
| 149 - 150 | 46EP | 31ES  | 21EP | 16EP |  |
| 147 - 148 | 44ES | 30ES  | 20EP | 15EP |  |
| 146 - 146 | 43EP | 29ES  | 20EP | 15EP |  |
| 145 - 145 | 43EP | 29EP  | 19DP | 15DP |  |
| 144 - 144 | 42ES | 28EP  | 19DP | 15DP |  |
| 142 - 143 | 41ES | 28EP  | 19DP | 14DP |  |
| 141 - 141 | 40ES | 27EP  | 18DP | 14DP |  |
| 139 - 140 | 40EP | 27EP  | 18DP | 14DP |  |
| 138 - 138 | 38EP | 26EP  | 18DP | 14DP |  |
| 136 - 137 | 38EP | 26ES  | 18DP | 13DP |  |
| 134 - 135 | 37EP | 25EP  | 17DP | 13DP |  |
| 132 - 133 | 36ES | 24DP  | 17CP | 13DP |  |
| 130 - 131 | 34ES | 24DP  | 16CP | 13DP |  |
| 128 - 129 | 33ES | 23DP  | 16CS | 12CP |  |
| 126 - 127 | 32EP | 22DP  | 15CP | 12CP |  |
| 124 - 125 | 31ES | 21CP  | 15CS | 12CP |  |
| 122 - 123 | 30EP | 21CP  | 14CP | 11CP |  |
| 119 - 121 | 28DS | 20CS  | 14BP | 11BP |  |
| 117 - 118 | 27DP | 19CP  | 13BP | 11AP |  |
| 114 - 116 | 26DP | 18CP  | 13BS | 10AP |  |
| 112 - 113 | 24CP | 17BP  | 12BP | 10AP |  |
| 109 - 111 | 23CP | 16BP  | 12AP | 9AP  |  |
| 106 - 108 | 21CP | 15BS  | 11AS | 9AP  |  |
| 103 - 105 | 19BP | 14AP  | 10AP | 8AP  |  |
| 100 - 102 | 17BP | 13AS  | 10AS | 8    |  |
| 97 - 99   | 16BS | 12AS  | 9    | 8    |  |
| 94 - 96   | 14AS | 11    | 8    | 7    |  |
| 91 - 93   | 12AP | 10    | 8    | 7    |  |
| 88 - 90   | 10AP | 9     | 7    | 6    |  |
| 85 - 87   | 9    | 8     | 6    | 6    |  |
| 81 - 84   | 7    | 7     | 6    | 5    |  |
| 78 - 80   | 4    | 5     | 5    | 5    |  |
| 74 - 77   | 3    | 4     | 4    | 4    |  |
| 71 - 73   | –    | 3     | 3    | 4    |  |
| 67 - 70   | –    | 1     | 3    | 3    |  |
| 63 - 66   | –    | –     | 2    | 2    |  |
| 59 - 62   | –    | –     | –    | 2    |  |
| 55 - 58   | –    | –     | –    | –    |  |
| 51 - 54   | –    | –     | –    | –    |  |
| 47 - 50   | –    | –     | –    | –    |  |
| 43 - 46   | –    | –     | –    | –    |  |
| 1 - F     | F    | F     | F    | F    |  |

**Mono Sword**

| Result    | No   | Armor |      |      |  |
|-----------|------|-------|------|------|--|
|           |      | Lt    | Md   | Hvy  |  |
| 149 - 150 | 46EP | 41ES  | 35EP | 25EK |  |
| 147 - 148 | 44ES | 40ES  | 35EP | 25EK |  |
| 146 - 146 | 43EP | 39ES  | 34EP | 24EK |  |
| 145 - 145 | 43EP | 38EP  | 33DP | 24DK |  |
| 144 - 144 | 42ES | 38EP  | 33DP | 24DS |  |
| 142 - 143 | 41ES | 37EP  | 33DP | 24DK |  |
| 141 - 141 | 40ES | 36EP  | 32DP | 23DK |  |
| 139 - 140 | 40EP | 36EP  | 31DP | 23DS |  |
| 138 - 138 | 38EP | 35EP  | 31DP | 22DS |  |
| 136 - 137 | 38EP | 34ES  | 30DP | 22DK |  |
| 134 - 135 | 37EP | 33EP  | 29DP | 21DK |  |
| 132 - 133 | 36ES | 32DP  | 29CP | 21DS |  |
| 130 - 131 | 34ES | 31DP  | 28CP | 20DS |  |
| 128 - 129 | 33ES | 30DP  | 27CS | 20CS |  |
| 126 - 127 | 32EP | 29DP  | 26CP | 19CK |  |
| 124 - 125 | 31ES | 28CP  | 25CS | 19CS |  |
| 122 - 123 | 30EP | 27CP  | 25CP | 18CK |  |
| 119 - 121 | 28DS | 26CS  | 24BP | 18BK |  |
| 117 - 118 | 27DP | 25CP  | 23BP | 17AK |  |
| 114 - 116 | 26DP | 24CP  | 22BS | 16AK |  |
| 112 - 113 | 24CP | 22BP  | 21BP | 16AK |  |
| 109 - 111 | 23CP | 21BP  | 20AP | 15AK |  |
| 106 - 108 | 21CP | 20BS  | 19AS | 14AK |  |
| 103 - 105 | 19BP | 19AP  | 17AP | 13AS |  |
| 100 - 102 | 17BP | 17AS  | 16AS | 13   |  |
| 97 - 99   | 16BS | 16AS  | 15   | 12   |  |
| 94 - 96   | 14AS | 14    | 14   | 11   |  |
| 91 - 93   | 12AP | 13    | 13   | 10   |  |
| 88 - 90   | 10AP | 11    | 11   | 9    |  |
| 85 - 87   | 9    | 10    | 10   | 9    |  |
| 81 - 84   | 7    | 8     | 9    | 8    |  |
| 78 - 80   | 4    | 6     | 7    | 7    |  |
| 74 - 77   | 3    | 5     | 6    | 6    |  |
| 71 - 73   | –    | 3     | 5    | 5    |  |
| 67 - 70   | –    | 1     | 3    | 4    |  |
| 63 - 66   | –    | –     | 2    | 3    |  |
| 59 - 62   | –    | –     | –    | 2    |  |
| 55 - 58   | –    | –     | –    | –    |  |
| 51 - 54   | –    | –     | –    | –    |  |
| 47 - 50   | –    | –     | –    | –    |  |
| 43 - 46   | –    | –     | –    | –    |  |
| 1 - F     | F    | F     | F    | F    |  |

**Mono Axe**

| Result    | No   | Armor |      |      |  |
|-----------|------|-------|------|------|--|
|           |      | Lt    | Md   | Hvy  |  |
| 149 - 150 | 50ES | 41ES  | 35EK | 31EK |  |
| 147 - 148 | 49ES | 40ES  | 35EK | 30EK |  |
| 146 - 146 | 48ES | 39ES  | 34ES | 29EK |  |
| 145 - 145 | 47ES | 38ES  | 33DS | 29DK |  |
| 144 - 144 | 47ES | 38ES  | 33DK | 29DS |  |
| 142 - 143 | 46ES | 37ES  | 33DK | 28DK |  |
| 141 - 141 | 45ES | 36ES  | 32DS | 28DK |  |
| 139 - 140 | 44ES | 36ES  | 31DS | 27DS |  |
| 138 - 138 | 43ES | 35ES  | 31DS | 27DS |  |
| 136 - 137 | 42ES | 34ES  | 30DS | 26DK |  |
| 134 - 135 | 41ES | 33ES  | 29DS | 26DK |  |
| 132 - 133 | 39ES | 32DS  | 29CS | 25DS |  |
| 130 - 131 | 38ES | 31DS  | 28CS | 24DS |  |
| 128 - 129 | 37ES | 30DS  | 27CK | 24CS |  |
| 126 - 127 | 35ES | 29DS  | 26CS | 23CK |  |
| 124 - 125 | 34ES | 28CS  | 25CK | 22CS |  |
| 122 - 123 | 33ES | 27CS  | 25CS | 22CK |  |
| 119 - 121 | 32DS | 26CS  | 24BS | 21BK |  |
| 117 - 118 | 30DS | 25CS  | 23BS | 20AK |  |
| 114 - 116 | 28DS | 24CS  | 22BK | 20AK |  |
| 112 - 113 | 26CS | 22BS  | 21BS | 19AK |  |
| 109 - 111 | 25CS | 21BS  | 20AK | 18AK |  |
| 106 - 108 | 23CS | 20BS  | 19AK | 17AK |  |
| 103 - 105 | 21BS | 19AS  | 17AS | 16AS |  |
| 100 - 102 | 19BS | 17AS  | 16AK | 15   |  |
| 97 - 99   | 17BS | 16AS  | 15   | 14   |  |
| 94 - 96   | 15AS | 14    | 14   | 13   |  |
| 91 - 93   | 13AS | 13    | 13   | 12   |  |
| 88 - 90   | 11AS | 11    | 11   | 11   |  |
| 85 - 87   | 9    | 10    | 10   | 10   |  |
| 81 - 84   | 7    | 8     | 9    | 9    |  |
| 78 - 80   | 5    | 6     | 7    | 8    |  |
| 74 - 77   | 3    | 5     | 6    | 7    |  |
| 71 - 73   | –    | 3     | 5    | 6    |  |
| 67 - 70   | –    | 1     | 3    | 5    |  |
| 63 - 66   | –    | –     | 2    | 3    |  |
| 59 - 62   | –    | –     | –    | 2    |  |
| 55 - 58   | –    | –     | –    | –    |  |
| 51 - 54   | –    | –     | –    | –    |  |
| 47 - 50   | –    | –     | –    | –    |  |
| 43 - 46   | –    | –     | –    | –    |  |
| 1 - F     | F    | F     | F    | F    |  |

| Spear     |      |       |      |      |  | Staff     |      |       |      |      |  | Star Sword |      |       |      |      |  |
|-----------|------|-------|------|------|--|-----------|------|-------|------|------|--|------------|------|-------|------|------|--|
|           |      | Armor |      |      |  |           |      | Armor |      |      |  |            |      | Armor |      |      |  |
| Result    | No   | Lt    | Md   | Hvy  |  | Result    | No   | Lt    | Md   | Hvy  |  | Result     | No   | Lt    | Md   | Hvy  |  |
| 149 - 150 | 30EP | 26ES  | 21EP | 10EP |  | 149 - 150 | 40EK | 31EK  | 21EK | 10EK |  | 149 - 150  | 55ES | 56EK  | 56EK | 50EK |  |
| 147 - 148 | 30ES | 25ES  | 20EP | 10EP |  | 147 - 148 | 39EK | 30EK  | 20EK | 10EK |  | 147 - 148  | 54ES | 54ES  | 54EK | 49EK |  |
| 146 - 146 | 29EP | 24ES  | 20EP | 10EP |  | 146 - 146 | 38EK | 29EK  | 20EK | 10EK |  | 146 - 146  | 53ES | 53ES  | 53ES | 48EK |  |
| 145 - 145 | 29EP | 24EP  | 19DP | 10DP |  | 145 - 145 | 38EK | 29EK  | 19DK | 10DK |  | 145 - 145  | 52ES | 52EK  | 52DS | 48DK |  |
| 144 - 144 | 28ES | 24EP  | 19DP | 10DP |  | 144 - 144 | 37EK | 28EK  | 19DK | 10DK |  | 144 - 144  | 51ES | 51ES  | 52DK | 47DS |  |
| 142 - 143 | 28ES | 23EP  | 19DP | 10DP |  | 142 - 143 | 37EK | 28EK  | 19DK | 10DK |  | 142 - 143  | 50ES | 51ES  | 51DK | 47DK |  |
| 141 - 141 | 27ES | 23EP  | 18DP | 10DP |  | 141 - 141 | 36EK | 27EK  | 18DK | 10DK |  | 141 - 141  | 49ES | 49ES  | 50DS | 46DK |  |
| 139 - 140 | 27EP | 23EP  | 18DP | 9DP  |  | 139 - 140 | 35EK | 27EK  | 18DK | 9DK  |  | 139 - 140  | 48ES | 49EK  | 49DS | 45DS |  |
| 138 - 138 | 26EP | 22EP  | 18DP | 9DP  |  | 138 - 138 | 34EK | 26EK  | 18DK | 9DK  |  | 138 - 138  | 47ES | 47EK  | 48DS | 44DS |  |
| 136 - 137 | 25EP | 22ES  | 18DP | 9DP  |  | 136 - 137 | 34EK | 26EK  | 18DK | 9DK  |  | 136 - 137  | 46ES | 47ES  | 47DS | 43DK |  |
| 134 - 135 | 25EP | 21EP  | 17DP | 9DP  |  | 134 - 135 | 33EK | 25EK  | 17DK | 9DK  |  | 134 - 135  | 45ES | 45ES  | 46DS | 42DK |  |
| 132 - 133 | 24ES | 20DP  | 17CP | 9DP  |  | 132 - 133 | 32EK | 24DK  | 17CK | 9DK  |  | 132 - 133  | 43ES | 44DS  | 45CS | 41DS |  |
| 130 - 131 | 23ES | 20DP  | 16CP | 9DP  |  | 130 - 131 | 31EK | 24DK  | 16CK | 9DK  |  | 130 - 131  | 42ES | 43DS  | 43CS | 40DS |  |
| 128 - 129 | 22ES | 19DP  | 16CS | 8CP  |  | 128 - 129 | 30EK | 23DK  | 16CK | 8CK  |  | 128 - 129  | 40ES | 41DK  | 42CK | 39CS |  |
| 126 - 127 | 22EP | 19DP  | 15CP | 8CP  |  | 126 - 127 | 29EK | 22DK  | 15CK | 8CK  |  | 126 - 127  | 39ES | 40DS  | 41CS | 38CK |  |
| 124 - 125 | 21ES | 18CP  | 15CS | 8CP  |  | 124 - 125 | 27EK | 21CK  | 15CK | 8CK  |  | 124 - 125  | 37ES | 39CS  | 40CK | 37CS |  |
| 122 - 123 | 20EP | 17CP  | 14CP | 8CP  |  | 122 - 123 | 26EK | 21CK  | 14CK | 8CK  |  | 122 - 123  | 36ES | 37CS  | 38CS | 36CK |  |
| 119 - 121 | 19DS | 17CS  | 14BP | 8BP  |  | 119 - 121 | 25DK | 20CK  | 14BK | 8BK  |  | 119 - 121  | 35DS | 36CS  | 37BS | 35BK |  |
| 117 - 118 | 18DP | 16CP  | 13BP | 7AP  |  | 117 - 118 | 24DK | 19CK  | 13BK | 7AK  |  | 117 - 118  | 32DS | 34CS  | 35BS | 33AK |  |
| 114 - 116 | 17DP | 15CP  | 13BS | 7AP  |  | 114 - 116 | 23DK | 18CK  | 13BK | 7AK  |  | 114 - 116  | 31DS | 33CS  | 34BK | 32AK |  |
| 112 - 113 | 16CP | 14BP  | 12BP | 7AP  |  | 112 - 113 | 21CK | 17BK  | 12BK | 7AK  |  | 112 - 113  | 29CS | 31BS  | 32BS | 30AK |  |
| 109 - 111 | 15CP | 14BP  | 12AP | 7AP  |  | 109 - 111 | 20CK | 16BK  | 12AK | 7AK  |  | 109 - 111  | 27CS | 29BS  | 31AK | 29AK |  |
| 106 - 108 | 14CP | 13BS  | 11AS | 6AP  |  | 106 - 108 | 19CK | 15BK  | 11AK | 6AK  |  | 106 - 108  | 25CS | 27BK  | 29AK | 28AK |  |
| 103 - 105 | 13BP | 12AP  | 10AP | 6AP  |  | 103 - 105 | 17BK | 14AK  | 10AK | 6AK  |  | 103 - 105  | 23BS | 25AS  | 27AS | 26AS |  |
| 100 - 102 | 12BP | 11AS  | 10AS | 6    |  | 100 - 102 | 16BK | 13AK  | 10AK | 6    |  | 100 - 102  | 21BS | 23AS  | 25AK | 24   |  |
| 97 - 99   | 11BS | 10AS  | 9    | 5    |  | 97 - 99   | 14BK | 12AK  | 9    | 5    |  | 97 - 99    | 19BS | 21AS  | 23   | 23   |  |
| 94 - 96   | 10AS | 9     | 8    | 5    |  | 94 - 96   | 12AK | 11    | 8    | 5    |  | 94 - 96    | 17AS | 19    | 21   | 21   |  |
| 91 - 93   | 8AP  | 8     | 8    | 5    |  | 91 - 93   | 11AK | 10    | 8    | 5    |  | 91 - 93    | 14AS | 17    | 19   | 19   |  |
| 88 - 90   | 7AP  | 8     | 7    | 4    |  | 88 - 90   | 9AK  | 9     | 7    | 4    |  | 88 - 90    | 12AS | 15    | 17   | 18   |  |
| 85 - 87   | 6    | 7     | 6    | 4    |  | 85 - 87   | 8    | 8     | 6    | 4    |  | 85 - 87    | 10   | 13    | 15   | 16   |  |
| 81 - 84   | 5    | 6     | 6    | 4    |  | 81 - 84   | 6    | 7     | 6    | 4    |  | 81 - 84    | 8    | 11    | 14   | 15   |  |
| 78 - 80   | 3    | 4     | 5    | 3    |  | 78 - 80   | 4    | 5     | 5    | 3    |  | 78 - 80    | 5    | 8     | 11   | 12   |  |
| 74 - 77   | 2    | 4     | 4    | 3    |  | 74 - 77   | 3    | 4     | 4    | 3    |  | 74 - 77    | 3    | 6     | 9    | 11   |  |
| 71 - 73   | –    | 2     | 3    | 3    |  | 71 - 73   | –    | 3     | 3    | 3    |  | 71 - 73    | –    | 4     | 7    | 9    |  |
| 67 - 70   | –    | 1     | 3    | 2    |  | 67 - 70   | –    | 1     | 3    | 2    |  | 67 - 70    | –    | 1     | 5    | 7    |  |
| 63 - 66   | –    | –     | 2    | 2    |  | 63 - 66   | –    | –     | 2    | 2    |  | 63 - 66    | –    | –     | 2    | 5    |  |
| 59 - 62   | –    | –     | –    | 2    |  | 59 - 62   | –    | –     | –    | 2    |  | 59 - 62    | –    | –     | –    | 3    |  |
| 55 - 58   | –    | –     | –    | –    |  | 55 - 58   | –    | –     | –    | –    |  | 55 - 58    | –    | –     | –    | –    |  |
| 51 - 54   | –    | –     | –    | –    |  | 51 - 54   | –    | –     | –    | –    |  | 51 - 54    | –    | –     | –    | –    |  |
| 47 - 50   | –    | –     | –    | –    |  | 47 - 50   | –    | –     | –    | –    |  | 47 - 50    | –    | –     | –    | –    |  |
| 43 - 46   | –    | –     | –    | –    |  | 43 - 46   | –    | –     | –    | –    |  | 43 - 46    | –    | –     | –    | –    |  |
| 1 - F     | F    | F     | F    | F    |  | 1 - F     | F    | F     | F    | F    |  | 1 - F      | F    | F     | F    | F    |  |

**Sword**

| Result    | No   | Armor |      |      |
|-----------|------|-------|------|------|
|           |      | Lt    | Md   | Hvy  |
| 149 - 150 | 30ES | 26EK  | 15EK | 10EK |
| 147 - 148 | 30ES | 25ES  | 15EK | 10EK |
| 146 - 146 | 29ES | 24ES  | 15ES | 10EK |
| 145 - 145 | 29ES | 24EK  | 15DS | 10DK |
| 144 - 144 | 28ES | 24ES  | 15DK | 10DS |
| 142 - 143 | 28ES | 23ES  | 14DK | 10DK |
| 141 - 141 | 27ES | 23ES  | 14DS | 10DK |
| 139 - 140 | 27ES | 23EK  | 14DS | 9DS  |
| 138 - 138 | 26ES | 22EK  | 14DS | 9DS  |
| 136 - 137 | 25ES | 22ES  | 13DS | 9DK  |
| 134 - 135 | 25ES | 21ES  | 13DS | 9DK  |
| 132 - 133 | 24ES | 20DS  | 13CS | 9DS  |
| 130 - 131 | 23ES | 20DS  | 12CS | 9DS  |
| 128 - 129 | 22ES | 19DK  | 12CK | 8CS  |
| 126 - 127 | 22ES | 19DS  | 12CS | 8CK  |
| 124 - 125 | 21ES | 18CS  | 11CK | 8CS  |
| 122 - 123 | 20ES | 17CS  | 11CS | 8CK  |
| 119 - 121 | 19DS | 17CS  | 11BS | 8BK  |
| 117 - 118 | 18DS | 16CS  | 10BS | 7AK  |
| 114 - 116 | 17DS | 15CS  | 10BK | 7AK  |
| 112 - 113 | 16CS | 14BS  | 9BS  | 7AK  |
| 109 - 111 | 15CS | 14BS  | 9AK  | 7AK  |
| 106 - 108 | 14CS | 13BK  | 9AK  | 6AK  |
| 103 - 105 | 13BS | 12AS  | 8AS  | 6AS  |
| 100 - 102 | 12BS | 11AS  | 8AK  | 6    |
| 97 - 99   | 11BS | 10AS  | 7    | 5    |
| 94 - 96   | 10AS | 9     | 7    | 5    |
| 91 - 93   | 8AS  | 8     | 6    | 5    |
| 88 - 90   | 7AS  | 8     | 6    | 4    |
| 85 - 87   | 6    | 7     | 5    | 4    |
| 81 - 84   | 5    | 6     | 5    | 4    |
| 78 - 80   | 3    | 4     | 4    | 3    |
| 74 - 77   | 2    | 4     | 3    | 3    |
| 71 - 73   | –    | 2     | 3    | 3    |
| 67 - 70   | –    | 1     | 2    | 2    |
| 63 - 66   | –    | –     | 2    | 2    |
| 59 - 62   | –    | –     | –    | 2    |
| 55 - 58   | –    | –     | –    | –    |
| 51 - 54   | –    | –     | –    | –    |
| 47 - 50   | –    | –     | –    | –    |
| 43 - 46   | –    | –     | –    | –    |
| 1 - F     | F    | F     | F    | F    |

**Long Bow**

| Result    | No   | Armor |      |      |
|-----------|------|-------|------|------|
|           |      | Lt    | Md   | Hvy  |
| 149 - 150 | 30EP | 31EP  | 25EP | 16EP |
| 147 - 148 | 30EP | 30EP  | 25EP | 15EP |
| 146 - 146 | 29EP | 29EP  | 24EP | 15EP |
| 145 - 145 | 29EP | 29EP  | 24DP | 15DP |
| 144 - 144 | 28EP | 28EP  | 24DP | 15DP |
| 142 - 143 | 28EP | 28EP  | 24DP | 14DP |
| 141 - 141 | 27EP | 27EP  | 23DP | 14DP |
| 139 - 140 | 27EP | 27EP  | 23DP | 14DP |
| 138 - 138 | 26EP | 26EP  | 22DP | 14DP |
| 136 - 137 | 25EP | 26EP  | 22DP | 13DP |
| 134 - 135 | 25EP | 25EP  | 21DP | 13DP |
| 132 - 133 | 24EP | 24DP  | 21CP | 13DP |
| 130 - 131 | 23EP | 24DP  | 20CP | 13DP |
| 128 - 129 | 22EP | 23DP  | 20CP | 12CP |
| 126 - 127 | 22EP | 22DP  | 19CP | 12CP |
| 124 - 125 | 21EP | 21CP  | 18CP | 12CP |
| 122 - 123 | 20EP | 21CP  | 18CP | 11CP |
| 119 - 121 | 19DP | 20CP  | 17BP | 11BP |
| 117 - 118 | 18DP | 19CP  | 16BP | 11AP |
| 114 - 116 | 17DP | 18CP  | 16BP | 10AP |
| 112 - 113 | 16CP | 17BP  | 15BP | 10AP |
| 109 - 111 | 15CP | 16BP  | 14AP | 9AP  |
| 106 - 108 | 14CP | 15BP  | 14AP | 9AP  |
| 103 - 105 | 13BP | 14AP  | 13AP | 8AP  |
| 100 - 102 | 12BP | 13AP  | 12AP | 8    |
| 97 - 99   | 11BP | 12AP  | 11   | 8    |
| 94 - 96   | 10AP | 11    | 10   | 7    |
| 91 - 93   | 8AP  | 10    | 9    | 7    |
| 88 - 90   | 7AP  | 9     | 9    | 6    |
| 85 - 87   | 6    | 8     | 8    | 6    |
| 81 - 84   | 5    | 7     | 7    | 5    |
| 78 - 80   | 3    | 5     | 6    | 5    |
| 74 - 77   | 2    | 4     | 5    | 4    |
| 71 - 73   | –    | 3     | 4    | 4    |
| 67 - 70   | –    | 1     | 3    | 3    |
| 63 - 66   | –    | –     | 2    | 2    |
| 59 - 62   | –    | –     | –    | 2    |
| 55 - 58   | –    | –     | –    | –    |
| 51 - 54   | –    | –     | –    | –    |
| 47 - 50   | –    | –     | –    | –    |
| 43 - 46   | –    | –     | –    | –    |
| 1 - F     | F    | F     | F    | F    |

**Short Bow**

| Result    | No   | Armor |      |      |
|-----------|------|-------|------|------|
|           |      | Lt    | Md   | Hvy  |
| 149 - 150 | 20EP | 21EP  | 21EP | 10EP |
| 147 - 148 | 20EP | 20EP  | 20EP | 10EP |
| 146 - 146 | 19EP | 20EP  | 20EP | 10EP |
| 145 - 145 | 19EP | 19EP  | 19DP | 10DP |
| 144 - 144 | 19EP | 19EP  | 19DP | 10DP |
| 142 - 143 | 19EP | 19EP  | 19DP | 10DP |
| 141 - 141 | 18EP | 18EP  | 18DP | 10DP |
| 139 - 140 | 18EP | 18EP  | 18DP | 9DP  |
| 138 - 138 | 17EP | 18EP  | 18DP | 9DP  |
| 136 - 137 | 17EP | 17EP  | 18DP | 9DP  |
| 134 - 135 | 17EP | 17EP  | 17DP | 9DP  |
| 132 - 133 | 16EP | 16DP  | 17CP | 9DP  |
| 130 - 131 | 16EP | 16DP  | 16CP | 9DP  |
| 128 - 129 | 15EP | 16DP  | 16CP | 8CP  |
| 126 - 127 | 15EP | 15DP  | 15CP | 8CP  |
| 124 - 125 | 14EP | 15CP  | 15CP | 8CP  |
| 122 - 123 | 14EP | 14CP  | 14CP | 8CP  |
| 119 - 121 | 13DP | 14CP  | 14BP | 8BP  |
| 117 - 118 | 12DP | 13CP  | 13BP | 7AP  |
| 114 - 116 | 12DP | 12CP  | 13BP | 7AP  |
| 112 - 113 | 11CP | 12BP  | 12BP | 7AP  |
| 109 - 111 | 11CP | 11BP  | 12AP | 7AP  |
| 106 - 108 | 10CP | 11BP  | 11AP | 6AP  |
| 103 - 105 | 9BP  | 10AP  | 10AP | 6AP  |
| 100 - 102 | 8BP  | 9AP   | 10AP | 6    |
| 97 - 99   | 8BP  | 8AP   | 9    | 5    |
| 94 - 96   | 7AP  | 8     | 8    | 5    |
| 91 - 93   | 6AP  | 7     | 8    | 5    |
| 88 - 90   | 5AP  | 6     | 7    | 4    |
| 85 - 87   | 5    | 6     | 6    | 4    |
| 81 - 84   | 4    | 5     | 6    | 4    |
| 78 - 80   | 3    | 4     | 5    | 3    |
| 74 - 77   | 2    | 3     | 4    | 3    |
| 71 - 73   | –    | 2     | 3    | 3    |
| 67 - 70   | –    | 1     | 3    | 2    |
| 63 - 66   | –    | –     | 2    | 2    |
| 59 - 62   | –    | –     | –    | 2    |
| 55 - 58   | –    | –     | –    | –    |
| 51 - 54   | –    | –     | –    | –    |
| 47 - 50   | –    | –     | –    | –    |
| 43 - 46   | –    | –     | –    | –    |
| 1 - F     | F    | F     | F    | F    |

**Heavy Crossbow**

| Result    | No   | Armor |      |      |  |
|-----------|------|-------|------|------|--|
|           |      | Lt    | Md   | Hvy  |  |
| 149 - 150 | 30EP | 31EP  | 25EP | 21EP |  |
| 147 - 148 | 30EP | 30EP  | 25EP | 20EP |  |
| 146 - 146 | 29EP | 29EP  | 24EP | 20EP |  |
| 145 - 145 | 29EP | 29EP  | 24DP | 19DP |  |
| 144 - 144 | 28EP | 28EP  | 24DP | 19DP |  |
| 142 - 143 | 28EP | 28EP  | 24DP | 19DP |  |
| 141 - 141 | 27EP | 27EP  | 23DP | 19DP |  |
| 139 - 140 | 27EP | 27EP  | 23DP | 18DP |  |
| 138 - 138 | 26EP | 26EP  | 22DP | 18DP |  |
| 136 - 137 | 25EP | 26EP  | 22DP | 18DP |  |
| 134 - 135 | 25EP | 25EP  | 21DP | 17DP |  |
| 132 - 133 | 24EP | 24DP  | 21CP | 17DP |  |
| 130 - 131 | 23EP | 24DP  | 20CP | 16DP |  |
| 128 - 129 | 22EP | 23DP  | 20CP | 16CP |  |
| 126 - 127 | 22EP | 22DP  | 19CP | 16CP |  |
| 124 - 125 | 21EP | 21CP  | 18CP | 15CP |  |
| 122 - 123 | 20EP | 21CP  | 18CP | 15CP |  |
| 119 - 121 | 19DP | 20CP  | 17BP | 14BP |  |
| 117 - 118 | 18DP | 19CP  | 16BP | 14AP |  |
| 114 - 116 | 17DP | 18CP  | 16BP | 13AP |  |
| 112 - 113 | 16CP | 17BP  | 15BP | 13AP |  |
| 109 - 111 | 15CP | 16BP  | 14AP | 12AP |  |
| 106 - 108 | 14CP | 15BP  | 14AP | 12AP |  |
| 103 - 105 | 13BP | 14AP  | 13AP | 11AP |  |
| 100 - 102 | 12BP | 13AP  | 12AP | 10   |  |
| 97 - 99   | 11BP | 12AP  | 11   | 10   |  |
| 94 - 96   | 10AP | 11    | 10   | 9    |  |
| 91 - 93   | 8AP  | 10    | 9    | 8    |  |
| 88 - 90   | 7AP  | 9     | 9    | 8    |  |
| 85 - 87   | 6    | 8     | 8    | 7    |  |
| 81 - 84   | 5    | 7     | 7    | 7    |  |
| 78 - 80   | 3    | 5     | 6    | 6    |  |
| 74 - 77   | 2    | 4     | 5    | 5    |  |
| 71 - 73   | –    | 3     | 4    | 4    |  |
| 67 - 70   | –    | 1     | 3    | 4    |  |
| 63 - 66   | –    | –     | 2    | 3    |  |
| 59 - 62   | –    | –     | –    | 2    |  |
| 55 - 58   | –    | –     | –    | –    |  |
| 51 - 54   | –    | –     | –    | –    |  |
| 47 - 50   | –    | –     | –    | –    |  |
| 43 - 46   | –    | –     | –    | –    |  |
| 1 - F     | F    | F     | F    | F    |  |

**Light Crossbow**

| Result    | No   | Armor |      |      |  |
|-----------|------|-------|------|------|--|
|           |      | Lt    | Md   | Hvy  |  |
| 149 - 150 | 25EP | 26EP  | 25EP | 16EP |  |
| 147 - 148 | 25EP | 25EP  | 25EP | 15EP |  |
| 146 - 146 | 24EP | 24EP  | 24EP | 15EP |  |
| 145 - 145 | 24EP | 24EP  | 24DP | 15DP |  |
| 144 - 144 | 24EP | 24EP  | 24DP | 15DP |  |
| 142 - 143 | 23EP | 23EP  | 24DP | 14DP |  |
| 141 - 141 | 23EP | 23EP  | 23DP | 14DP |  |
| 139 - 140 | 22EP | 23EP  | 23DP | 14DP |  |
| 138 - 138 | 22EP | 22EP  | 22DP | 14DP |  |
| 136 - 137 | 21EP | 22EP  | 22DP | 13DP |  |
| 134 - 135 | 21EP | 21EP  | 21DP | 13DP |  |
| 132 - 133 | 20EP | 20DP  | 21CP | 13DP |  |
| 130 - 131 | 19EP | 20DP  | 20CP | 13DP |  |
| 128 - 129 | 19EP | 19DP  | 20CP | 12CP |  |
| 126 - 127 | 18EP | 19DP  | 19CP | 12CP |  |
| 124 - 125 | 17EP | 18CP  | 18CP | 12CP |  |
| 122 - 123 | 17EP | 17CP  | 18CP | 11CP |  |
| 119 - 121 | 16DP | 17CP  | 17BP | 11BP |  |
| 117 - 118 | 15DP | 16CP  | 16BP | 11AP |  |
| 114 - 116 | 15DP | 15CP  | 16BP | 10AP |  |
| 112 - 113 | 14CP | 14BP  | 15BP | 10AP |  |
| 109 - 111 | 13CP | 14BP  | 14AP | 9AP  |  |
| 106 - 108 | 12CP | 13BP  | 14AP | 9AP  |  |
| 103 - 105 | 11BP | 12AP  | 13AP | 8AP  |  |
| 100 - 102 | 10BP | 11AP  | 12AP | 8    |  |
| 97 - 99   | 9BP  | 10AP  | 11   | 8    |  |
| 94 - 96   | 8AP  | 9     | 10   | 7    |  |
| 91 - 93   | 7AP  | 8     | 9    | 7    |  |
| 88 - 90   | 6AP  | 8     | 9    | 6    |  |
| 85 - 87   | 5    | 7     | 8    | 6    |  |
| 81 - 84   | 4    | 6     | 7    | 5    |  |
| 78 - 80   | 3    | 4     | 6    | 5    |  |
| 74 - 77   | 2    | 4     | 5    | 4    |  |
| 71 - 73   | –    | 2     | 4    | 4    |  |
| 67 - 70   | –    | 1     | 3    | 3    |  |
| 63 - 66   | –    | –     | 2    | 2    |  |
| 59 - 62   | –    | –     | –    | 2    |  |
| 55 - 58   | –    | –     | –    | –    |  |
| 51 - 54   | –    | –     | –    | –    |  |
| 47 - 50   | –    | –     | –    | –    |  |
| 43 - 46   | –    | –     | –    | –    |  |
| 1 - F     | F    | F     | F    | F    |  |

**Firearm, Pistol**

| Result    | No   | Armor |      |      |  |
|-----------|------|-------|------|------|--|
|           |      | Lt    | Md   | Hvy  |  |
| 149 - 150 | 25EP | 26EP  | 15EP | 16EP |  |
| 147 - 148 | 25EP | 25EP  | 15EP | 15EP |  |
| 146 - 146 | 24EP | 24EP  | 15EP | 15EP |  |
| 145 - 145 | 24EP | 24EP  | 15DP | 15DP |  |
| 144 - 144 | 24EP | 24EP  | 15DP | 15DP |  |
| 142 - 143 | 23EP | 23EP  | 14DP | 14DP |  |
| 141 - 141 | 23EP | 23EP  | 14DP | 14DP |  |
| 139 - 140 | 22EP | 23EP  | 14DP | 14DP |  |
| 138 - 138 | 22EP | 22EP  | 14DP | 14DP |  |
| 136 - 137 | 21EP | 22EP  | 13DP | 13DP |  |
| 134 - 135 | 21EP | 21EP  | 13DP | 13DP |  |
| 132 - 133 | 20EP | 20DP  | 13CP | 13DP |  |
| 130 - 131 | 19EP | 20DP  | 12CP | 13DP |  |
| 128 - 129 | 19EP | 19DP  | 12CP | 12CP |  |
| 126 - 127 | 18EP | 19DP  | 12CP | 12CP |  |
| 124 - 125 | 17EP | 18CP  | 11CP | 12CP |  |
| 122 - 123 | 17EP | 17CP  | 11CP | 11CP |  |
| 119 - 121 | 16DP | 17CP  | 11BP | 11BP |  |
| 117 - 118 | 15DP | 16CP  | 10BP | 11AP |  |
| 114 - 116 | 15DP | 15CP  | 10BP | 10AP |  |
| 112 - 113 | 14CP | 14BP  | 9BP  | 10AP |  |
| 109 - 111 | 13CP | 14BP  | 9AP  | 9AP  |  |
| 106 - 108 | 12CP | 13BP  | 9AP  | 9AP  |  |
| 103 - 105 | 11BP | 12AP  | 8AP  | 8AP  |  |
| 100 - 102 | 10BP | 11AP  | 8AP  | 8    |  |
| 97 - 99   | 9BP  | 10AP  | 7    | 8    |  |
| 94 - 96   | 8AP  | 9     | 7    | 7    |  |
| 91 - 93   | 7AP  | 8     | 6    | 7    |  |
| 88 - 90   | 6AP  | 8     | 6    | 6    |  |
| 85 - 87   | 5    | 7     | 5    | 6    |  |
| 81 - 84   | 4    | 6     | 5    | 5    |  |
| 78 - 80   | 3    | 4     | 4    | 5    |  |
| 74 - 77   | 2    | 4     | 3    | 4    |  |
| 71 - 73   | –    | 2     | 3    | 4    |  |
| 67 - 70   | –    | 1     | 2    | 3    |  |
| 63 - 66   | –    | –     | 2    | 2    |  |
| 59 - 62   | –    | –     | –    | 2    |  |
| 55 - 58   | –    | –     | –    | –    |  |
| 51 - 54   | –    | –     | –    | –    |  |
| 47 - 50   | –    | –     | –    | –    |  |
| 43 - 46   | –    | –     | –    | –    |  |
| 1 - F     | F    | F     | F    | F    |  |



**Firearm, Rifle**

| Result    | No   | Armor |      |      |
|-----------|------|-------|------|------|
|           |      | Lt    | Md   | Hvy  |
| 149 - 150 | 40EP | 41EP  | 30EP | 25EP |
| 147 - 148 | 39EP | 40EP  | 30EP | 25EP |
| 146 - 146 | 38EP | 39EP  | 29EP | 24EP |
| 145 - 145 | 38EP | 38EP  | 29DP | 24DP |
| 144 - 144 | 37EP | 38EP  | 28DP | 24DP |
| 142 - 143 | 37EP | 37EP  | 28DP | 24DP |
| 141 - 141 | 36EP | 36EP  | 27DP | 23DP |
| 139 - 140 | 35EP | 36EP  | 27DP | 23DP |
| 138 - 138 | 34EP | 35EP  | 26DP | 22DP |
| 136 - 137 | 34EP | 34EP  | 26DP | 22DP |
| 134 - 135 | 33EP | 33EP  | 25DP | 21DP |
| 132 - 133 | 32EP | 32DP  | 25CP | 21DP |
| 130 - 131 | 31EP | 31DP  | 24CP | 20DP |
| 128 - 129 | 30EP | 30DP  | 23CP | 20CP |
| 126 - 127 | 29EP | 29DP  | 23CP | 19CP |
| 124 - 125 | 27EP | 28CP  | 22CP | 19CP |
| 122 - 123 | 26EP | 27CP  | 21CP | 18CP |
| 119 - 121 | 25DP | 26CP  | 21BP | 18BP |
| 117 - 118 | 24DP | 25CP  | 20BP | 17AP |
| 114 - 116 | 23DP | 24CP  | 19BP | 16AP |
| 112 - 113 | 21CP | 22BP  | 18BP | 16AP |
| 109 - 111 | 20CP | 21BP  | 17AP | 15AP |
| 106 - 108 | 19CP | 20BP  | 16AP | 14AP |
| 103 - 105 | 17BP | 19AP  | 15AP | 13AP |
| 100 - 102 | 16BP | 17AP  | 14AP | 13   |
| 97 - 99   | 14BP | 16AP  | 13   | 12   |
| 94 - 96   | 12AP | 14    | 12   | 11   |
| 91 - 93   | 11AP | 13    | 11   | 10   |
| 88 - 90   | 9AP  | 11    | 10   | 9    |
| 85 - 87   | 8    | 10    | 9    | 9    |
| 81 - 84   | 6    | 8     | 8    | 8    |
| 78 - 80   | 4    | 6     | 7    | 7    |
| 74 - 77   | 3    | 5     | 6    | 6    |
| 71 - 73   | –    | 3     | 4    | 5    |
| 67 - 70   | –    | 1     | 3    | 4    |
| 63 - 66   | –    | –     | 2    | 3    |
| 59 - 62   | –    | –     | –    | 2    |
| 55 - 58   | –    | –     | –    | –    |
| 51 - 54   | –    | –     | –    | –    |
| 47 - 50   | –    | –     | –    | –    |
| 43 - 46   | –    | –     | –    | –    |
| 1 - F     | F    | F     | F    | F    |

**Grenades**

| Result    | No   | Armor |      |      |
|-----------|------|-------|------|------|
|           |      | Lt    | Md   | Hvy  |
| 149 - 150 | 60EI | 51EI  | 25EI | 16EI |
| 147 - 148 | 59EI | 49EI  | 25EI | 15EI |
| 146 - 146 | 57EI | 48EI  | 24EI | 15EI |
| 145 - 145 | 57EI | 47EI  | 24DI | 15DI |
| 144 - 144 | 56EI | 47EI  | 24DI | 15DI |
| 142 - 143 | 55EI | 46EI  | 24DI | 14DI |
| 141 - 141 | 53EI | 45EI  | 23DI | 14DI |
| 139 - 140 | 53EI | 44EI  | 23DI | 14DI |
| 138 - 138 | 51EI | 43EI  | 22DI | 14DI |
| 136 - 137 | 50EI | 43EI  | 22DI | 13DI |
| 134 - 135 | 49EI | 41EI  | 21DI | 13DI |
| 132 - 133 | 47EI | 40DI  | 21CI | 13DI |
| 130 - 131 | 46EI | 39DI  | 20CI | 13DI |
| 128 - 129 | 44EI | 38DI  | 20CI | 12CI |
| 126 - 127 | 42EI | 36DI  | 19CI | 12CI |
| 124 - 125 | 41EI | 35CI  | 18CI | 12CI |
| 122 - 123 | 39EI | 34CI  | 18CI | 11CI |
| 119 - 121 | 38DI | 33CI  | 17BI | 11BI |
| 117 - 118 | 35DI | 31CI  | 16BI | 11AI |
| 114 - 116 | 34DI | 30CI  | 16BI | 10AI |
| 112 - 113 | 31CI | 28BI  | 15BI | 10AI |
| 109 - 111 | 30CI | 27BI  | 14AI | 9AI  |
| 106 - 108 | 27CI | 25BI  | 14AI | 9AI  |
| 103 - 105 | 25BI | 23AI  | 13AI | 8AI  |
| 100 - 102 | 23BI | 21AI  | 12AI | 8    |
| 97 - 99   | 20BI | 19AI  | 11   | 8    |
| 94 - 96   | 18AI | 17    | 10   | 7    |
| 91 - 93   | 16AI | 16    | 9    | 7    |
| 88 - 90   | 13AI | 14    | 9    | 6    |
| 85 - 87   | 11   | 12    | 8    | 6    |
| 81 - 84   | 9    | 10    | 7    | 5    |
| 78 - 80   | 5    | 8     | 6    | 5    |
| 74 - 77   | 3    | 6     | 5    | 4    |
| 71 - 73   | –    | 3     | 4    | 4    |
| 67 - 70   | –    | 1     | 3    | 3    |
| 63 - 66   | –    | –     | 2    | 2    |
| 59 - 62   | –    | –     | –    | 2    |
| 55 - 58   | –    | –     | –    | –    |
| 51 - 54   | –    | –     | –    | –    |
| 47 - 50   | –    | –     | –    | –    |
| 43 - 46   | –    | –     | –    | –    |
| 1 - F     | F    | F     | F    | F    |

**Laser, Pistol**

| Result    | No   | Armor |      |      |
|-----------|------|-------|------|------|
|           |      | Lt    | Md   | Hvy  |
| 149 - 150 | 25EF | 21EF  | 21EF | 16EF |
| 147 - 148 | 25EP | 20EF  | 20EF | 15EF |
| 146 - 146 | 24EF | 20EF  | 20EF | 15EF |
| 145 - 145 | 24EF | 19EF  | 19DF | 15DF |
| 144 - 144 | 24EP | 19EF  | 19DP | 15DF |
| 142 - 143 | 23EP | 19EF  | 19DP | 14DP |
| 141 - 141 | 23EP | 18EF  | 18DF | 14DF |
| 139 - 140 | 22EF | 18EF  | 18DF | 14DF |
| 138 - 138 | 22EF | 18EF  | 18DF | 14DF |
| 136 - 137 | 21EF | 17EF  | 18DP | 13DF |
| 134 - 135 | 21EF | 17EF  | 17DF | 13DF |
| 132 - 133 | 20EP | 16DF  | 17CF | 13DF |
| 130 - 131 | 19EP | 16DP  | 16CF | 13DF |
| 128 - 129 | 19EP | 16DP  | 16CF | 12CF |
| 126 - 127 | 18EF | 15DF  | 15CF | 12CF |
| 124 - 125 | 17EP | 15CP  | 15CP | 12CF |
| 122 - 123 | 17EF | 14CF  | 14CF | 11CP |
| 119 - 121 | 16DP | 14CF  | 14BP | 11BP |
| 117 - 118 | 15DF | 13CF  | 13BF | 11AF |
| 114 - 116 | 15DF | 12CP  | 13BF | 10AF |
| 112 - 113 | 14CF | 12BF  | 12BF | 10AF |
| 109 - 111 | 13CF | 11BF  | 12AF | 9AP  |
| 106 - 108 | 12CF | 11BF  | 11AF | 9AF  |
| 103 - 105 | 11BF | 10AF  | 10AF | 8AF  |
| 100 - 102 | 10BF | 9AF   | 10AF | 8    |
| 97 - 99   | 9BP  | 8AF   | 9    | 8    |
| 94 - 96   | 8AP  | 8     | 8    | 7    |
| 91 - 93   | 7AF  | 7     | 8    | 7    |
| 88 - 90   | 6AF  | 6     | 7    | 6    |
| 85 - 87   | 5    | 6     | 6    | 6    |
| 81 - 84   | 4    | 5     | 6    | 5    |
| 78 - 80   | 3    | 4     | 5    | 5    |
| 74 - 77   | 2    | 3     | 4    | 4    |
| 71 - 73   | –    | 2     | 3    | 4    |
| 67 - 70   | –    | 1     | 3    | 3    |
| 63 - 66   | –    | –     | 2    | 2    |
| 59 - 62   | –    | –     | –    | 2    |
| 55 - 58   | –    | –     | –    | –    |
| 51 - 54   | –    | –     | –    | –    |
| 47 - 50   | –    | –     | –    | –    |
| 43 - 46   | –    | –     | –    | –    |
| 1 - F     | F    | F     | F    | F    |

| Laser, Rifle |      |      |      |      |  | Armor     |      |      |      |      |  | Armor   |    |    |    |     |  |
|--------------|------|------|------|------|--|-----------|------|------|------|------|--|---------|----|----|----|-----|--|
|              |      |      |      |      |  | Result    | No   | Lt   | Md   | Hvy  |  | Result  | No | Lt | Md | Hvy |  |
| Armor        |      |      |      |      |  |           |      |      |      |      |  |         |    |    |    |     |  |
| Result       | No   | Lt   | Md   | Hvy  |  |           |      |      |      |      |  |         |    |    |    |     |  |
| 149 - 150    | 46EF | 31EF | 30EF | 21EF |  | 117 - 118 | 27DF | 19CF | 20BF | 14AF |  | 51 - 54 | —  | —  | —  | —   |  |
| 147 - 148    | 44EP | 30EF | 30EF | 20EF |  | 114 - 116 | 26DF | 18CP | 19BF | 13AF |  | 47 - 50 | —  | —  | —  | —   |  |
| 146 - 146    | 43EF | 29EF | 29EF | 20EF |  | 112 - 113 | 24CF | 17BF | 18BF | 13AF |  | 43 - 46 | —  | —  | —  | —   |  |
| 145 - 145    | 43EF | 29EF | 29DF | 19DF |  | 109 - 111 | 23CF | 16BF | 17AF | 12AP |  | 1 - F   | F  | F  | F  | F   |  |
| 144 - 144    | 42EP | 28EF | 28DP | 19DF |  | 106 - 108 | 21CF | 15BF | 16AF | 12AF |  |         |    |    |    |     |  |
| 142 - 143    | 41EP | 28EF | 28DP | 19DP |  | 103 - 105 | 19BF | 14AF | 15AF | 11AF |  |         |    |    |    |     |  |
| 141 - 141    | 40EP | 27EF | 27DF | 19DF |  | 100 - 102 | 17BF | 13AF | 14AF | 10   |  |         |    |    |    |     |  |
| 139 - 140    | 40EF | 27EF | 27DF | 18DF |  | 97 - 99   | 16BP | 12AF | 13   | 10   |  |         |    |    |    |     |  |
| 138 - 138    | 38EF | 26EF | 26DF | 18DF |  | 94 - 96   | 14AP | 11   | 12   | 9    |  |         |    |    |    |     |  |
| 136 - 137    | 38EF | 26EF | 26DP | 18DF |  | 91 - 93   | 12AF | 10   | 11   | 8    |  |         |    |    |    |     |  |
| 134 - 135    | 37EF | 25EF | 25DF | 17DF |  | 88 - 90   | 10AF | 9    | 10   | 8    |  |         |    |    |    |     |  |
| 132 - 133    | 36EP | 24DF | 25CF | 17DF |  | 85 - 87   | 9    | 8    | 9    | 7    |  |         |    |    |    |     |  |
| 130 - 131    | 34EP | 24DP | 24CF | 16DF |  | 81 - 84   | 7    | 7    | 8    | 7    |  |         |    |    |    |     |  |
| 128 - 129    | 33EP | 23DP | 23CF | 16CF |  | 78 - 80   | 4    | 5    | 7    | 6    |  |         |    |    |    |     |  |
| 126 - 127    | 32EF | 22DF | 23CF | 16CF |  | 74 - 77   | 3    | 4    | 6    | 5    |  |         |    |    |    |     |  |
| 124 - 125    | 31EP | 21CP | 22CP | 15CF |  | 71 - 73   | —    | 3    | 4    | 4    |  |         |    |    |    |     |  |
| 122 - 123    | 30EF | 21CF | 21CF | 15CP |  | 67 - 70   | —    | 1    | 3    | 4    |  |         |    |    |    |     |  |
| 119 - 121    | 28DP | 20CF | 21BP | 14BP |  | 63 - 66   | —    | —    | 2    | 3    |  |         |    |    |    |     |  |
|              |      |      |      |      |  | 59 - 62   | —    | —    | —    | 2    |  |         |    |    |    |     |  |
|              |      |      |      |      |  | 55 - 58   | —    | —    | —    | —    |  |         |    |    |    |     |  |



# Critical Result Tables

## Slash Critical Table

| Roll A | B  | C   | D   | E   |
|--------|--|---|---|---|
| 01-05  | Blow cuts victims chest +1 hits  | Strike slices poor fools chest +3 hits  | blast impales poor fools chest +1 hits                                      | Slash impales victims chest +1 hits   |
| 06-10  | Slash slices poor fools hip +1 hits  | Slash stabs victims hip +2 hits   | Strike impales targets hip +4 hits  | strike impales poor fools hip +1 hits   |
| 11-15  | Slash slices victims hand +1 hits  | Slash slices foes hand +1 hits  | Slash cuts foes hand +4 hits  | blast impales victims hand +2 hits  |
| 16-25  | Slash cuts victims neck +1 hits  | strike cuts poor fools neck +2 hits   | Slash impales poor fools neck +5 hits                                       | Slash cuts targets neck +2 hits   |
| 26-30  | Slash impales poor fools Groin +1 hits                                     | strike slices targets Groin +3 hits   | Slash impales poor fools Groin +5 hits<br>bleeding 1/rnd                    | Slash stabs foes Groin +5 hits, stunned for 1 rnd, bleeding 1/rnd                             |
| 31-35  | Strike stabs poor fools side +1 hits                                       | blast slices victims side +3 hits, stunned for 1 rnd                          | Slash stabs victims side +5 hits, stunned for 1 rnd                         | blast impales foes side +6 hits, stunned for 1 rnd, bleeding 1/rnd, -10 to actions            |
| 36-40  | Slash cuts victims arm +2 hits   | Slash stabs foes arm +2 hits, bleeding 1 hit/rnd                              | blast cuts foes arm +5 hits, -5 to actions                                  | Slash cuts targets arm +4 hits, bleeding 1 hit/rnd, -5 to actions                             |
| 41-45  | Slash impales victims chest +2 hits, stunned for 1 rnd                     | Slash slices poor fools chest +3 hits, stunned for 1 rnd, bleeding 1 hit/rnd  | Slash impales victims chest +4 hits, stunned for 1 rnd, bleeding 1 hit/rnd  | strike cuts victims arm +7 hits, -15 to actions   |
| 46-50  | Strike impales targets hand +2 hits, stunned for 1 rnd, bleeding 1 hit/rnd | strike cuts poor fools hand +3 hits, stunned for 1 rnd, bleeding 1 hits/rnd   | Slash stabs poor fools hand +5 hits, stunned for 2 rnd, bleeding 1 hits/rnd | Slash stabs victims chest +4 hits, stunned for 1 rnd, bleeding 1 hit/rnd, -5 to actions       |
| 51-55  | Strike impales poor fools hip +2 hits, bleeding 1 hit/rnd                  | Slash cuts poor fools hip +4 hits, stunned for 1 rnd, bleeding 1 hits/rnd     | Slash slices foes hip +4 hits, stunned for 2 rnd, bleeding 1 hits/rnd       | Strike stabs foes hand +5 hits, stunned for 2 rnds  |
| 56-60  | Slash impales targets back +2 hits, stunned for 1 rnd                      | strike slices poor fools back +4 hits, stunned for 1 rnd, bleeding 1 hits/rnd | Strike slices targets back +7 hits, stunned for 2 rnds, -5 to actions       | blast cuts targets hand +9 hits, stunned for 2 rnds, bleeding 1 hits/rnd                      |
|        |  |   |   | Strike stabs poor fools hip +10 hits, stunned for 2 rnds, bleeding 1 hits/rnd, -20 to actions |
|        |  |   |   | Slash cuts poor fools back +11 hits, stunned for 2 rnds, bleeding 1 hits/rnd                  |

| Roll A | B  | C   | D  | E   |  |
|--------|--|---|--|---|--|
| 61-65  | blast cuts foes neck +2 hits, stunned for 1 rnd, bleeding 1 hit/rnd          | Slash cuts foes neck +2 hits, stunned for 1 rnds, bleeding 1 hits/rnd                       | Strike stabs foes neck +7 hits, stunned for 2 rnds, bleeding 1 hits/rnd, -5 to actions | Slash slices foes neck +6 hits, stunned for 2 rnds                          | Slash impales targets neck +12 hits, stunned for 2 rnds, -25 to actions                              |
| UM 66  | Cut removes foes hand. Bleeding 6hits/rnd                                    | Cut removes arm, Bleeding 12/rnd.   | Cuts off foes jaw, bleeding 15/rnd   | Slash cuts foes throat, bleeding 20/rnd                                     | Slash hacks into foe's skull killing foe instantly.  |
| 66-70  | Blow cuts poor fools thigh +3 hits   | strike slices victims thigh +4 hits, -5 to actions  | Slash stabs foes thigh +6 hits, bleeding 4 hits/rnd                                    | Slash slices poor fools thigh +7 hits                                       | Blow impales foes thigh +13 hits   |
| 71-75  | Strike cuts foes Groin +3 hits, bleeding 4 hits/rnd                          | Slash stabs foes Groin +5 hits, -5 to actions   | Strike slices poor fools Groin +6 hits   | Strike stabs foes Groin +7 hits   | strike impales victims Groin +14 hits  |
| 76-80  | Strike cuts poor fools neck +3 hits  | strike slices foes neck +4 hits, bleeding 4 hits/rnd, -5 to actions                         | Blast cuts foes neck +7 hits   | Blast cuts foes neck +8 hits  | Slash slices poor fools neck +15 hits  |
| 81-85  | blast slices foes lower leg +3 hits, stunned for 2 rnds, bleeding 4 hits/rnd | Slash cuts targets lower leg +4 hits, stunned for 2 rnds, -5 to actions                     | Slash cuts targets lower leg +8 hits, stunned for 3 rnds                               | Slash impales victims lower leg +8 hits, stunned for 3 rnds, -15 to actions | Slash cuts victims lower leg +16 hits, stunned for 3 rnds, bleeding 4 hits/rnd                       |
| 86-90  | Slash stabs victims lower leg +3 hits, stunned for 2 rnds                    | Slash cuts targets lower leg +7 hits, stunned for 2 rnds, bleeding 4 hits/rnd               | Slash impales foes lower leg +7 hits, stunned for 4 rnds                               | Slash cuts foes lower leg +9 hits, stunned for 4 rnds, bleeding 4 hits/rnd  | Slash slices poor fools lower leg +17 hits, stunned for 4 rnds. Foe dies in 5 rounds.                |
| 91-95  | Slash slices victims spine +3 hits   | Slash slices targets spine +6 hits, bleeding 4 hits/ rnd. Drops items carried in that hand. | Slash slices poor fools spine +7 hits. Drops items carried in that hand.               | Strike impales foes spine +9 hits. Drops items carried in that hand.        | Slash across vertebrae, paralyzing legs. +18 hits, -40 to actions. Drops items carried in that hand. |
| 96-99  | Slash stabs poor fools forearm +4 hits, bleeding 9 hits/rnd                  | Slash cuts victims forearm +5 hits, bleeding 9 hits/rnd                                     | Slash slices poor fools forearm +8 hits  | Slash cuts victims forearm +10 hits, bleeding 9 hits/ rnd, -20 to actions   | Slash stabs targets forearm +19 hits, -45 to actions. Foe dies in 1 rounds.                          |
| 00     | Slash severs jugular vein. Foe does in 6 rounds.                             | Slash severs carotid artery, foe dies in 4 rounds.  | Slash removes foes head. Dead!   | Slash opens foe's abdomen spilling out intestines. Dies in 2 rounds.        | Foe cut in half. Dead.   |

### Krush Critical Table

| Roll A | B                                      | C                                     | D                                | E                                  |                                       |
|--------|--|---------------------------------------|----------------------------------|------------------------------------|---------------------------------------|
| 01-05  | Bruising blow to target's calf +1 hits | Weak bash to poor fool's calf +2 hits | Major blow to foe's calf +2 hits | Hard bash to target's calf +1 hits | Mild blow to poor fool's calf +1 hits |

| Roll A | B  | C   | D  | E  |   |
|--------|--|---|--|--|---|
| 06-10  | Shattering bash to target's shoulder +1 hits                                     | Strong bash to enemy's shoulder +1 hits   | Glancing blow to foe's shoulder +5 hits  | Glancing strike to foe's shoulder +2 hits  | Major strike to poor fool's shoulder +2 hits  |
| 11-15  | Major impact on target's back +2 hits  | Strong impact on target's back +2 hits  | Glancing blow to foe's back +4 hits, -5 to actions. Bones fractured                            | Mild impact on victim's back +3 hits   | Weak strike to poor fool's back +3 hits   |
| 16-25  | Bruising impact on victim's knee +3 hits   | Hard impact on enemy's knee +4 hits   | Strong blow to enemy's knee +7 hits, -5 to actions. Bones fractured                            | Hard blow to foe's knee +4 hits  | Major strike to target's knee +5 hits, stunned for 1 rnd                            |
| 26-30  | Strong impact on target's hip +3 hits  | Major impact on enemy's hip +3 hits   | Bruising blow to target's hip +7 hits, -10 to actions  | Glancing blow to poor fool's hip +5 hits, -10 to actions. Bones fractured                    | Shattering bash to poor fool's hip +6 hits, -10 to actions                          |
| 31-35  | Smath crushes the nasal cavity, permanently disfiguring.+4 hits                  | Weak blow to enemy's back +6 hits, stunned for 1 rnd                                      | Mild bash to enemy's back +8 hits, stunned for 1 rnd   | Glancing strike to enemy's back +6 hits, stunned for 1 rnd                                   | Shattering blow to poor fool's back +7 hits, stunned for 1 rnd                      |
| 36-40  | Glancing strike to enemy's chest +4 hits, stunned for 1 rnd                      | Shattering bash to victim's chest +5 hits, stunned for 1 rnd                              | Hard strike to victim's chest +6 hits, stunned for 1 rnd                                       | Hard impact on victim's chest +7 hits, stunned for 1 rnd, -15 to actions. Bones fractured    | Major strike to poor fool's chest +8 hits, stunned for 2 rnds                       |
| 41-45  | Strong bash to enemy's thigh +5 hits, stunned for 1 rnd                          | Bruising blow to enemy's thigh +6 hits, stunned for 1 rnd, -5 to actions. Bones fractured | Mild strike to enemy's thigh +11 hits, stunned for 1 rnd, -15 to actions. Bones fractured      | Major bash to enemy's thigh +8 hits, stunned for 1 rnd                                       | Strong bash to victim's thigh +10 hits, stunned for 2 rnds                          |
| 46-50  | Shattering bash to enemy's arm +6 hits, stunned for 1 rnd                        | Glancing blow to target's arm +5 hits, stunned for 1 rnd, -5 to actions                   | Strong strike to enemy's arm +8 hits, stunned for 2 rnds, -20 to actions                       | Hard strike to target's arm +9 hits, stunned for 2 rnds, -20 to actions                      | Mild bash to foe's arm +11 hits, stunned for 2 rnds                                 |
| 51-55  | Glancing blow to foe's chest +6 hits, stunned for 1 rnd, -5 to actions           | Glancing impact on target's chest +8 hits, stunned for 1 rnd                              | Hard blow to enemy's chest +9 hits, stunned for 2 rnds   | Bruising impact on victim's chest +10 hits, stunned for 2 rnds                               | Hard impact on victim's chest +12 hits, stunned for 3 rnds                          |
| 56-60  | Weak blow to target's ribs +7 hits, stunned for 1 rnd, -5 to actions             | Hard blow to victim's ribs +9 hits, stunned for 2 rnds, -5 to actions. Bones fractured    | Shattering bash to target's ribs +10 hits, stunned for 2 rnds, -25 to actions. Bones fractured | Major bash to poor fool's ribs +11 hits, stunned for 2 rnds, -25 to actions. Bones fractured | Strong blow to victim's ribs +13 hits, stunned for 3 rnds                           |
| 61-65  | Shattering blow to poor fool's forearm +8 hits, stunned for 1 rnd, -5 to actions | Shattering strike to foe's forearm +10 hits, stunned for 2 rnds, -5 to actions            | Bruising impact on foe's forearm +13 hits, stunned for 2 rnds, -25 to actions                  | Strong strike to enemy's forearm +12 hits, stunned for 2 rnds, -25 to actions                | Glancing impact on poor fool's forearm +15 hits, stunned for 3 rnds, -25 to actions |

| Roll A    | B  | C   | D   | E   |  |
|-----------|--|---|---|---|--|
| UM<br>66  | Strike to foe's knee shatters the bone. Foe at -90.                        | Blow to side of foe's head. Foe out cold for 24hrs                                | Impact to the head breaks foe's neck. Foe paralysed from the neck down.             | Blow to chest drives ribs into lungs. +25 hits, stunned 12 rounds and -75 to all actions. | Strike to the neck crushes arteries. Foe stunned for 12 rounds then dies of massive internal bleeding. |
| 66-<br>70 | Strong blow to poor fool's skull +8 hits, stunned for 2 rnds               | Shattering bash to enemy's skull +10 hits, stunned for 2 rnds, -10 to actions     | Major blow to poor fool's skull +14 hits, stunned for 3 rnds, -30 to actions        | Major bash to enemy's skull +13 hits, stunned for 3 rnds, -30 to actions                  | Major strike to victim's skull +16 hits, stunned for 4 rnds  |
| 71-<br>75 | Weak bash to victim's arm +9 hits, stunned for 2 rnds, -5 to actions       | Hard blow to poor fool's arm +12 hits, stunned for 2 rnds, -10 to actions         | Hard strike to foe's arm +14 hits, stunned for 3 rnds, -30 to actions               | Shattering bash to foe's arm +14 hits, stunned for 3 rnds                                 | Strong blow to target's arm +17 hits, stunned for 4 rnds   |
| 76-<br>80 | Shattering strike to target's ribs +9 hits, stunned for 2 rnds             | Mild blow to foe's ribs +11 hits, stunned for 2 rnds                              | Strong blow to target's ribs +12 hits, stunned for 3 rnds                           | Shattering bash to victim's ribs +15 hits, stunned for 3 rnds                             | Hard impact on target's ribs +18 hits, stunned for 4 rnds, -35 to actions                              |
| 81-<br>85 | Major impact on target's thigh +10 hits, stunned for 2 rnds, -5 to actions | Shattering blow to poor fool's thigh +12 hits, stunned for 3 rnds, -10 to actions | Shattering impact on poor fool's thigh +14 hits, stunned for 3 rnds, -35 to actions | Weak strike to foe's thigh +16 hits, stunned for 3 rnds, -35 to actions                   | Hard impact on poor fool's thigh +20 hits, stunned for 5 rnds  |
| 86-<br>90 | Glancing strike to target's chest +11 hits, stunned for 2 rnds             | Bruising impact on target's chest +11 hits, stunned for 3 rnds, -10 to actions    | Shattering impact on foe's chest +15 hits, stunned for 4 rnds                       | Bruising bash to victim's chest +17 hits, stunned for 4 rnds                              | Strong impact on foe's chest +21 hits, stunned for 5 rnds  |
| 91-<br>95 | Shattering impact on foe's neck +11 hits                                   | Strong strike to poor fool's neck +12 hits, -10 to actions                        | Bruising bash to target's neck +17 hits   | Strong impact on poor fool's neck +18 hits. Foe dies in 1 rounds.                         | Bruising impact on poor fool's neck +22 hits. Foe dies in 4 rounds.                                    |
| 96-<br>99 | Major impact on poor fool's forehead +12 hits, stunned for 3 rnds          | Mild strike to enemy's forehead +14 hits, stunned for 3 rnds, -15 to actions      | Weak bash to victim's forehead +17 hits, stunned for 4 rnds, -45 to actions         | Glancing bash to foe's forehead +19 hits, stunned for 4 rnds. Foe dies in 1 rounds.       | Weak bash to victim's forehead +23 hits, stunned for 6 rnds. Foe dies in 4 rounds.                     |
| 00        | Strike to jaw drives bone into brain, Dead.                                | Block to back of the neck kills foe.  | Blow drives a shattered rib into foe's heart. Dead.                                 | Blow to chest bursts foe's hear. Dies instantly.  | Stove in foe's face and destroy brain. Legs dance for 4 rounds despite being dead.                     |

### Puncture Critical Table

| Roll A    | B                                   | C  | D  | E                                  |  |
|-----------|-------------------------------------|--|--|------------------------------------|--|
| 01-<br>05 | Blow through poor<br>fool's kidneys | Blow to victim's<br>kidneys +3 hits      | Strike to target's<br>kidneys            | Blow to enemy's<br>kidneys +4 hits | Blow to poor fool's<br>kidneys +5 hits |
| 06-<br>10 | Wound to target's eye<br>+1 hits    | Wound through poor<br>fool's eye +3 hits | Wound through poor<br>fool's eye +3 hits | Blow to foe's eye +5<br>hits       | Wound through<br>enemy's eye +4 hits   |

| Roll A   | B  | C   | D  | E   |
|--|--|---|--|---|
| 11-15 Wound to foe's chest   | Blow through target's chest +4 hits                                      | Wound to enemy's chest +3 hits  | Strike to foe's chest +3 hits                              | Blow to victim's chest +4 hits                                      |
| 16-25 Wound through victim's chest +1 hits   | Wound to victim's chest +3 hits  | Blow to target's chest +1 hits  | Wound through victim's chest +3 hits                       | Wound to enemy's chest +4 hits, -0 to actions. Bones broken         |
| 26-30 Strike to enemy's shoulder +1 hits   | Blow through target's shoulder +2 hits0/rnd                              | Strike through enemy's shoulder +4 hits   | Wound to target's shoulder +4 hits                         | Blow to victim's shoulder +6 hits                                   |
| 31-35 Blow through enemy's shoulder +1 hits  | Wound to target's shoulder +5 hits                                       | Strike to enemy's shoulder +4 hits0/rnd   | Wound through poor fool's shoulder +7 hits                 | Strike through victim's shoulder +8 hits                            |
| 36-40 Wound through target's lung +2 hits  | Blow to poor fool's lung +5 hits, stunned for 1 rnd                      | Wound through enemy's lung +2 hits, stunned for 0 rnds                                      | Wound through target's lung +7 hits                        | Wound through poor fool's lung +5 hits, -25 to actions              |
| 41-45 Wound to victim's arm +2 hits  | Wound to foe's arm +3 hits   | Wound to victim's arm +6 hits   | Blow through foe's arm +8 hits                             | Blow to foe's arm +5 hits, -25 to actions                           |
| 46-50 Wound through target's back +2 hits  | Strike through target's back +4 hits                                     | Blow through target's back +2 hits  | Wound to foe's back +7 hits                                | Wound to target's back +8 hits                                      |
| 51-55 Wound to enemy's chest +2 hits   | Strike through target's chest +6 hits, stunned for 1 rnd                 | Wound through target's chest +6 hits, stunned for 1 rnd, bleeding 1 hits/rnd                | Wound through poor fool's chest +7 hits, stunned for 1 rnd | Strike to foe's chest +10 hits, stunned for 1 rnd                   |
| 56-60 Blow through victim's neck +2 hits, bleeding 1 hit/rnd                         | Strike through foe's neck +3 hits, stunned for 1 rnd                     | Blow through target's neck +4 hits, stunned for 1 rnd, bleeding 1 hits/rnd, -0 to actions   | Strike to poor fool's neck +8 hits, stunned for 1 rnd      | Wound through foe's neck +10 hits, stunned for 1 rnd                |
| 61-65 Blow to target's neck +2 hits, bleeding 1 hit/rnd                              | Wound through foe's neck +5 hits, stunned for 1 rnd, bleeding 1 hits/rnd | Strike through victim's neck +7 hits, stunned for 1 rnd, bleeding 1 hits/rnd, -0 to actions | Blow to enemy's neck +8 hits, stunned for 1 rnd            | Wound through foe's neck +8 hits, stunned for 1 rnd, -50 to actions |
| UM 66 Strike to foe's head, foe is knocked out for 6hrs.                             | Hit to femoral artery, gouts of blood bleeding 10hits/ rnd.              | Shot to lung, foe drops and does in 12 rounds.  | Shot through both lungs, foe drops and dies in 6 rounds.   | Shot to chest severs vein. Dies in 2 rounds from internal bleeding. |
| 66-70 Wound through target's elbow +4 hits, bleeding 4 hits/rnd, -20 to actions      | Blow through target's elbow +6 hits, bleeding 4 hits/rnd                 | Strike to victim's elbow +5 hits, bleeding 4 hits/rnd, -10 to actions                       | Wound to poor fool's elbow +10 hits                        | Strike through victim's elbow +11 hits, -50 to actions              |
| 71-75 Wound to foe's side +4 hits, bleeding 4 hits/rnd, -25 to actions. Bones broken | Blow through enemy's side +6 hits, -10 to actions                        | Wound to foe's side +6 hits, bleeding 4 hits/rnd, -10 to actions                            | Blow through poor fool's side +10 hits                     | Strike through target's side +11 hits                               |



| Roll A  | B   | C   | D  | E   |
|---|---|---|--|---|
| 76-80 Wound to target's side +4 hits  | Blow through victim's side +6 hits, -20 to actions                | Wound to foe's side +6 hits, bleeding 4 hits/rnd, -20 to actions                  | Strike through enemy's side +8 hits  | Strike to target's side +11 hits  |
| 81-85 Blow to target's thigh +3 hits, stunned for 1 rnd, bleeding 4 hits/rnd, -30 to actions    | Blow to foe's thigh +6 hits, stunned for 2 rnds                   | Blow to target's thigh +8 hits, stunned for 1 rnd, bleeding 4 hits/rnd            | Blow through enemy's thigh +12 hits, stunned for 1 rnd                           | Wound through victim's thigh +12 hits, stunned for 1 rnd, -75 to actions      |
| 86-90 Strike through poor fool's hip +5 hits, -30 to actions                                    | Blow to victim's hip +5 hits, bleeding 4 hits/rnd, -30 to actions | Wound to victim's hip +9 hits, bleeding 4 hits/rnd, -30 to actions                | Blow through poor fool's hip +9 hits, -75 to actions. Foe dies in 4 rounds.      | Wound through victim's hip +13 hits   |
| 91-95 Blow to target's side +5 hits, stunned for 1 rnd, -30 to actions                          | Blow to target's side +7 hits, stunned for 2 rnds                 | Strike to foe's side +6 hits, stunned for 1 rnd, bleeding 4 hits/rnd              | Strike to poor fool's side +12 hits, stunned for 1 rnd. Foe dies in 8 rounds.    | Strike to poor fool's side +13 hits, stunned for 1 rnd, -75 to actions        |
| 96-99 Blow through target's eye +4 hits, stunned for 1 rnd, bleeding 9 hits/rnd, -35 to actions | Blow to victim's eye +7 hits, stunned for 2 rnds                  | A well-placed lunge enters the ear and destroys the brain with a sickening sound. | Wound through poor fool's eye +12 hits, stunned for 1 rnd. Foe dies in 5 rounds. | Wound through target's eye +15 hits, stunned for 1 rnd. Foe dies in 3 rounds. |
| 00 Shot through the neck. Dies of a heart attack.   | Shot in the eye. Dies instantly.                                  | Shot in the mouth and out the back of the head. Dead                              | Strike enters the temple and destroys brain.                                     | Shot to the heart kills foe.  |

### Impact Critical Table

| Roll A   | B  | C   | D  | E  |
|--|--|---|--|--|
| 01-05 Mild impact on poor fool's knee +1 hits            | Strong impact on target's knee +1 hits                       | Major blow to poor fool's knee +3 hits  | Major strike to enemy's knee +1 hits                         | Glancing impact on foe's knee +1 hits                            |
| 06-10 Shattering blow to victim's collar bone +2 hits    | Hard strike to victim's collar bone +2 hits                  | Major blow to foe's collar bone +3 hits   | Bruising bash to enemy's collar bone +3 hits                 | Strong bash to enemy's collar bone +3 hits                       |
| 11-15 Glancing blow to target's head +2 hits             | Strong blow to foe's head +3 hits                            | Mild strike to enemy's head +4 hits, stunned for 1 rnd                                      | Glancing bash to enemy's head +4 hits, stunned for 0 rnds    | Shattering impact on poor fool's head +4 hits, stunned for 1 rnd |
| 16-25 Hard bash to target's skull +3 hits, -0 to actions | Strong blow to enemy's skull +4 hits, stunned for 1 rnd      | Shattering strike to poor fool's skull +6 hits, stunned for 1 rnd                           | Strong blow to foe's skull +6 hits, stunned for 1 rnd        | Glancing blow to victim's skull +6 hits, stunned for 1 rnd       |
| 26-30 Bruising blow to target's abdomen +4 hits          | Bruising bash to target's abdomen +5 hits, stunned for 1 rnd | Strong impact on enemy's abdomen +7 hits, stunned for 1 rnd, -0 to actions. Bones fractured | Major blow to poor fool's abdomen +8 hits, stunned for 1 rnd | Strong blow to enemy's abdomen +8 hits, stunned for 1 rnd        |

| Roll A | B   | C  | D  | E   |   |
|--------|---|--|--|---|---|
| 31-35  | Mild bash to victim's spine +5 hits                               | Glancing bash to foe's spine +6 hits, stunned for 1 rnd                    | Bruising strike to victim's spine +10 hits, stunned for 1 rnd        | Glancing blow to foe's spine +9 hits, stunned for 1 rnd                             | Hard impact on target's spine +9 hits, stunned for 1 rnd            |
| 36-40  | Strong impact on foe's head +6 hits                               | Mild impact on poor fool's head +7 hits, stunned for 1 rnd                 | Major impact on victim's head +11 hits, stunned for 1 rnd            | Major strike to foe's head +11 hits, stunned for 1 rnd                              | Bruising blow to foe's head +11 hits, stunned for 1 rnd             |
| 41-45  | Glancing blow to foe's hip +7 hits                                | Mild blow to enemy's hip +8 hits, stunned for 1 rnd                        | Weak impact on poor fool's hip +11 hits, stunned for 1 rnd           | Mild strike to victim's hip +13 hits, stunned for 1 rnd                             | Shattering bash to poor fool's hip +13 hits, stunned for 1 rnd      |
| 46-50  | Weak bash to enemy's head +7 hits                                 | Glancing strike to enemy's head +9 hits, stunned for 1 rnd                 | Shattering strike to foe's head +15 hits, stunned for 1 rnd          | Hard impact on poor fool's head +14 hits, stunned for 1 rnd                         | Shattering impact on foe's head +14 hits, stunned for 1 rnd         |
| 51-55  | Strong bash to poor fool's head +8 hits                           | Weak blow to victim's head +10 hits, stunned for 1 rnd                     | Strong impact on foe's head +16 hits, stunned for 2 rnds             | Mild bash to poor fool's head +16 hits, stunned for 2 rnds                          | Hard strike to enemy's head +16 hits, stunned for 2 rnds            |
| 56-60  | Glancing impact on enemy's hip +9 hits, stunned for 1 rnd         | Strong bash to poor fool's hip +11 hits, stunned for 1 rnd                 | Shattering blow to poor fool's hip +15 hits, stunned for 2 rnds      | Shattering blow to poor fool's hip +18 hits, stunned for 2 rnds                     | Bruising bash to poor fool's hip +18 hits, stunned for 2 rnds       |
| 61-65  | Glancing strike to victim's back +10 hits                         | Hard impact on target's back +12 hits, stunned for 1 rnd, -50 to actions   | Strong strike to foe's back +17 hits, stunned for 2 rnds             | Major impact on enemy's back +19 hits, stunned for 2 rnds                           | Bruising impact on enemy's back +19 hits, stunned for 2 rnds        |
| UM 66  | Impact breaks both foe's arms. They are at -90 and stunned 4 rnds | Blast shatters skull killing foe.  | Blast crushes chest and lungs, foe does after 6 rounds of inactivity | Blash smashes pelvis and both thighs. Foe at -90 and paralysed from the waist down. | Blast crushes head. Foes dies instantly.                            |
| 66-70  | Shattering strike to foe's spine +11 hits                         | Mild blow to victim's spine +13 hits, stunned for 1 rnd                    | Hard bash to foe's spine +17 hits, stunned for 2 rnds                | Shattering strike to enemy's spine +21 hits, stunned for 2 rnds                     | Glancing bash to target's spine +21 hits, stunned for 2 rnds        |
| 71-75  | Strong strike to target's spine +12 hits, stunned for 1 rnd       | Strong impact on poor fool's spine +14 hits, stunned for 1 rnd             | Glancing bash to foe's spine +19 hits, stunned for 2 rnds            | Mild impact on target's spine +23 hits, stunned for 2 rnds                          | Shattering blow to victim's spine +23 hits, stunned for 2 rnds      |
| 76-80  | Weak impact on victim's collar bone +12 hits, stunned for 1 rnd   | Major blow to victim's collar bone +15 hits, stunned for 1 rnd             | Major blow to enemy's collar bone +21 hits, stunned for 2 rnds       | Hard strike to victim's collar bone +24 hits, stunned for 2 rnds                    | Bruising impact on foe's collar bone +24 hits, stunned for 2 rounds |
| 81-85  | Weak blow to poor fool's arm +13 hits, stunned for 1 rnd          | Strong bash to poor fool's arm +16 hits, stunned for 1 rnd, -75 to actions | Mild impact on enemy's arm +20 hits, stunned for 3 rnds              | Hard bash to foe's arm +26 hits, stunned for 3 rnds                                 | Hard bash to foe's arm +26 hits, stunned for 3 rnds                 |

| Roll A  | B  | C   | D   | E  |
|---|--|---|---|--|
| 86-90 Major blow to target's shoulder +14 hits                      | Shattering bash to target's shoulder +17 hits, stunned for 1 rnd | Glancing strike to foe's shoulder +25 hits, stunned for 3 rnds  | Mild bash to victim's shoulder +28 hits, stunned for 3 rnds             | Glancing impact on foe's shoulder +28 hits, stunned for 3 rnds             |
| 91-95 Glancing strike to target's shoulder +15 hits, -75 to actions | Mild impact on target's shoulder +18 hits, stunned for 2 rnds    | Major blow to poor fool's shoulder +26 hits, stunned for 3 rnds | Major strike to victim's shoulder +29 hits, stunned for 3 rnds          | Mild bash to victim's shoulder +29 hits, stunned for 3 rnds                |
| 96-99 Mild impact on target's neck +16 hits                         | Strong bash to poor fool's neck +19 hits. Foe dies in 8 rounds.  | Major impact on poor fool's neck +25 hits                       | Mild bash to victim's neck +31 hits                                     | Weak bash to target's neck +31 hits, -75 to actions. Foe dies in 8 rounds. |
| 00 Foe dies of fractured skull after 3 rnds of stun.                | Blast snacks neck and kills foe.                                 | Foe's lungs and heart explode. Dead.                            | Impact drives bone through foe's lungs. Foe drops and dies after 6 rnds | Blast crushes skull. Foe dies immediately.                                 |

**Fire/Burn Critical Table**

| Roll A  | B  | C  | D   | E  |
|---|--|--|---|--|
| 01-05 Burst impacts victims right arm.                  | Blast burns foes right arm.+2 hits                 | Fire hits targets right arm.+5 hits                      | Strike hits victims right arm.+1 hits                                       | Burst impacts targets right arm.+1 hits                                |
| 06-10 Burst impacts foes left arm.+1 hits               | Burst impacts targets left arm.+2 hits             | Blast impacts poor fools left arm.+3 hits                | Strike burns poor fools left arm.+2 hits                                    | Blast wounds poor fools left arm.+3 hits                               |
| 11-15 Burst impacts poor fools side.+1 hits             | Burst burns victims side.+2 hits                   | Blast hits victims side.+3 hits                          | Blast wounds victims side.+3 hits   | Fire impacts poor fools side.+4 hits                                   |
| 16-25 Burst burns targets neck.+2 hits                  | Strike burns victims neck.+4 hits                  | Blast impacts targets neck.+5 hits, -5 to actions        | Burst impacts foes neck.+5 hits   | Burst burns targets neck.+6 hits                                       |
| 26-30 Blast burns foes back.+3 hits                     | Blast impacts foes back.+6 hits1/rnd               | Burst impacts poor fools back.+7 hits, stunned for 1 rnd | Strike hits foes back.+6 hits, stunned for 1 rnd, -5 to actions             | Burst burns poor fools back.+8 hits, stunned for 1 rnd, -5 to actions  |
| 31-35 Fire impacts victims chest.+4 hits                | Blast hits poor fools chest.+7 hits, -5 to actions | Strike hits targets chest.+9 hits, stunned for 1 rnd     | Strike wounds victims chest.+7 hits1/rnd                                    | Strike burns poor fools chest.+9 hits1/rnd, -5 to actions              |
| 36-40 Blast impacts victims side.+5 hits, -5 to actions | Blast wounds foes side.+8 hits, stunned for 1 rnd  | Burst hits victims side.+7 hits                          | Burst impacts poor fools side.+8 hits, stunned for 1 rnd, burning 1 hit/rnd | Blast impacts targets side.+11 hits, burning 1 hit/rnd, -10 to actions |

| Roll A | B  | C   | D  | E   |
|--------|--|---|--|---|
| 41-45  | Burst hits targets back.+6 hits  | Fire burns victims back.+9 hits, burning 1 hit/rnd  | Strike wounds poor fools back.+10 hits, -10 to actions                                 | Fire wounds foes back.+10 hits, stunned for 1 rnd, burning 1 hit/rnd                      |
| 46-50  | Blast wounds victims left arm.+6 hits, burning 1 hit/rnd                 | Burst impacts targets left arm.+7 hits, stunned for 1 rnd                                   | Strike impacts victims left arm.+8 hits  | Burst wounds foes left arm.+11 hits, burning 1 hits/rnd                                   |
| 51-55  | Strike impacts victims leg.+7 hits, stunned for 1 rnd, burning 1 hit/rnd | Blast impacts targets leg.+8 hits, stunned for 1 rnd  | Burst hits victims leg.+11 hits, stunned for 2 rnds, -15 to actions                    | Fire impacts victims leg.+12 hits, stunned for 2 rnds, burning 1 hits/rnd, -15 to actions |
| 56-60  | Fire impacts targets chest.+8 hits, stunned for 1 rnd                    | Burst wounds victims chest.+9 hits, stunned for 1 rnd, -10 to actions                       | Fire impacts victims chest.+13 hits  | Burst hits foes chest.+13 hits, burning 1 hits/rnd  |
| 61-65  | Blast wounds victims leg.+9 hits, stunned for 1 rnd, -5 to actions       | Burst wounds targets leg.+12 hits   | Fire burns poor fools leg.+11 hits, stunned for 2 rnds, burning 1 hits/rnd             | Strike impacts foes leg.+15 hits, burning 1 hits/rnd                                      |
| UM 66  | Searing blast to foe's face, they are knocked out.                       | Foe's hand reduced to cauterized stump. Stunned 12 rounds                                   | If foe has chest armor it is destroyed, else foe has a hole blasted through them. Dead | Foe's head is but a charred stump. Dead   |
| 66-70  | Fire burns targets back.+10 hits, burning 4 hits/rnd                     | Strike hits poor fools back.+10 hits, stunned for 2 rnds, -15 to actions                    | Blast wounds poor fools back.+13 hits, burning 4 hits/rnd                              | Fire hits victims back.+16 hits   |
| 71-75  | Fire hits targets side.+11 hits, stunned for 2 rnds, burning 4 hits/rnd  | Burst impacts foes side.+14 hits, burning 4 hits/rnd  | Burst impacts foes side.+14 hits, -20 to actions                                       | Fire burns victims side.+17 hits, burning 4 hits/rnd                                      |
| 76-80  | Strike burns poor fools right arm.+11 hits                               | Burst burns foes right arm.+13 hits, stunned for 2 rnds, burning 4 hits/rnd, -15 to actions | Strike impacts foes right arm.+15 hits, burning 4 hits/rnd                             | Strike burns foes right arm.+18 hits  |
| 81-85  | Fire wounds victims side.+12 hits, stunned for 2 rnds                    | Blast burns poor fools side.+13 hits, stunned for 2 rnds, burning 4 hits/rnd                | Fire impacts foes side.+14 hits, stunned for 3 rnds                                    | Fire burns victims side.+20 hits  |

| Roll A  | B  | C   | D   | E   |
|---|--|---|---|---|
| 86-90 Burst burns victims back.+13 hits                                     | Burst burns foes back.+15 hits, stunned for 2 rnds, burning 4 hits/rnd                         | Blast wounds targets back.+16 hits, -25 to actions  | Burst burns targets back.+21 hits   | Blast wounds victims back.+28 hits, stunned for 4 rnds, -25 to actions                    |
| 91-95 Burst burns victims right arm.+14 hits, stunned for 2 rnds            | Blast wounds victims right arm.+15 hits, stunned for 2 rnds. Drops items carried in that hand. | Blast hits poor fools right arm.+19 hits, stunned for 4 rnds, burning 4 hits/rnd. Drops items carried in that hand. | Fire impacts foes right arm.+22 hits, burning 4 hits/rnd. Drops items carried in that hand.         | Burst impacts targets right arm.+29 hits. Drops items carried in that hand.               |
| 96-99 Strike impacts foes back.+15 hits, stunned for 3 rnds, -15 to actions | Fire burns poor fools back.+16 hits, -20 to actions. Drops items carried in that hand.         | Blast wounds foes back.+19 hits. Drops items carried in that hand.  | Blast wounds poor fools back.+23 hits, burning 9 hits/rnd, -30 to actions. Drops any items carried. | Burst impacts poor fools back.+31 hits, -30 to actions. Drops items carried in that hand. |
| 00 Foe is engulfed by flames. +50hits                                       | Blast to face, eyes boil and burst. Blinded, +20hits stunned 12 rounds.                        | Strike burns through chest nd where their heart used to be. Foe is stunned for 2 rounds then dies.                  | Foe is cut in half by blast. Bottom half twitching, top half stunned 2 rounds then dies.            | All that remains is a charred corpse.   |

#### Unbalance Criticals

| Roll A                                | B  | C                                  | D   | E   |
|---------------------------------------|--|------------------------------------|---|---|
| 01-05 Hit to enemy's back +1 hits     | Strike to victim's back +3 hits                  | Hit to target's back +1 hits       | Strike enemy's back +2 hits   | Hit to target's back +2 hits  |
| 06-10 Hit to target's side            | Hit poor fool's side +1 hits                     | Strike to enemy's side +2 hits     | Strike enemy's side +2 hits   | Hit to target's side +4 hits  |
| 11-15 Strike poor fool's side +2 hits | Hit to foe's side +4 hits                        | Hit to enemy's side +4 hits        | Strike to poor fool's side +3 hits, -0 to actions. Bones fractured. Bones shattered | Strike target's side +5 hits  |
| 16-25 Strike target's side +3 hits    | Hit to victim's side +3 hits                     | Strike to victim's side +5 hits    | Strike to poor fool's side +4 hits, -0 to actions. Bones broken                     | Strike target's side +8 hits, -0 to actions. Bones fractured. Bones shattered |
| 26-30 Strike to victim's side +5 hits | Hit target's side +5 hits                        | Strike to poor fool's side +3 hits | Hit to enemy's side +5 hits   | Strike to foe's side +7 hits, -0 to actions                                   |
| 31-35 Strike foe's side +2 hits       | Hit to poor fool's side +4 hits                  | Strike to poor fool's side +5 hits | Strike to poor fool's side +5 hits, -25 to actions                                  | Hit to victim's side +7 hits  |
| 36-40 Hit foe's back +4 hits          | Strike to foe's back +5 hits                     | Hit to enemy's back +5 hits        | Strike to foe's back +4 hits, -25 to actions  | Hit target's back +9 hits   |
| 41-45 Hit target's thigh +5 hits      | Strike victim's thigh +5 hits, stunned for 1 rnd | Strike enemy's thigh +5 hits       | Strike target's thigh +6 hits, -25 to actions                                       | Hit enemy's thigh +12 hits  |

| Roll A   | B  | C   | D   | E  |
|--|--|---|---|--|
| 46- Hit target's<br>50 chest +6 hits   | Strike to victim's<br>chest +6 hits  | Strike to target's chest<br>+4 hits   | Hit poor fool's chest<br>+7 hits  | Hit victim's chest +11<br>hits, -25 to actions   |
| 51- Hit to foe's<br>55 elbow +7 hits   | Hit to enemy's<br>elbow +7 hits,<br>stunned for 1 rnd  | Hit target's elbow +5<br>hits, stunned for 1 rnd  | Strike target's elbow<br>+7 hits  | Hit foe's elbow +11 hits   |
| 56- Strike victim's<br>60 back +6 hits   | Hit to victim's back<br>+8 hits, stunned for<br>1 rnd  | Hit target's back +9<br>hits, stunned for 1 rnd,<br>-0 to actions. Bones<br>fractured. Bones<br>shattered | Strike poor fool's<br>back +8 hits, -50 to<br>actions. Bones<br>broken                                | Strike foe's back +14<br>hits  |
| 61- Strike to<br>65 target's<br>forearm +8<br>hits                               | Hit to target's<br>forearm +7 hits   | Hit to enemy's<br>forearm +6 hits   | Strike foe's forearm<br>+9 hits   | Strike target's forearm<br>+14 hits  |
| UM<br>66 Strike to chest<br>sends foe<br>reeling back 5<br>m. Stunned 3<br>rnds. | Blow breaks foe's<br>knee and knocks<br>them down. -80 and<br>stunned for 3 rnds.                  | Foe is knocked out<br>cold.   | Foe is knocked flat.<br>Stunned 4 rounds<br>-50 to all actions<br>from bruising.                      | Foe is knocked prone,<br>hits head and is out cold.  |
| 66- Strike to<br>70 target's<br>forearm +8<br>hits                               | Hit target's forearm<br>+8 hits, stunned for<br>1 rnd  | Strike to poor fool's<br>forearm +8 hits, -10 to<br>actions   | Strike enemy's<br>forearm +9 hits, -50<br>to actions  | Hit to victim's forearm<br>+14 hits  |
| 71- Strike<br>75 enemy's calf<br>+8 hits   | Strike foe's calf +8<br>hits, -10 to actions   | Hit to enemy's calf +7<br>hits, -10 to actions  | Hit foe's calf +9 hits  | Hit to foe's calf +18<br>hits, -50 to actions.<br>Bones fractured. Bones<br>shattered                              |
| 76- Hit to poor<br>80 fool's chest +9<br>hits                                    | Strike to foe's chest<br>+11 hits  | Hit to enemy's chest<br>+9 hits, -20 to actions.<br>Bones broken  | Hit foe's chest +9<br>hits  | Strike to victim's chest<br>+16 hits   |
| 81- Strike to foe's<br>85 chest +9 hits  | Strike foe's chest<br>+10 hits   | Strike target's chest<br>+10 hits   | Hit to target's chest<br>+10 hits   | Strike poor fool's chest<br>+17 hits   |
| 86- Strike victim's<br>90 thigh +11 hits,<br>stunned for 1<br>rnd                | Hit to victim's thigh<br>+9 hits, stunned for<br>2 rnds, -30 to<br>actions                         | Strike target's thigh<br>+10 hits, stunned for 1<br>rnd   | Hit to enemy's thigh<br>+12 hits, stunned for<br>2 rnds, -75 to<br>actions. Bones<br>fractured.       | Strike to foe's thigh +22<br>hits, stunned for 2 rnds.<br>Foe dies in 4 rounds.                                    |
| 91- Strike poor<br>95 fool's arm +8<br>hits, stunned<br>for 1 rnd                | Hit to poor fool's<br>arm +11 hits,<br>stunned for 2 rnds.<br>Drops items carried<br>in that hand. | Hit foe's arm +11 hits,<br>stunned for 1 rnd, -30<br>to actions. Drops<br>items carried in that<br>hand.  | Strike to foe's arm<br>+13 hits, -75 to<br>actions. Drops items<br>carried in that hand.              | Hit enemy's arm +22<br>hits, -75 to actions.<br>Drops items carried in<br>that hand.                               |
| 96- Strike to foe's<br>99 knee +12 hits,<br>stunned for 1<br>rnd                 | Hit to poor fool's<br>knee +12 hits,<br>stunned for 2 rnds   | Hit to foe's knee +10<br>hits, stunned for 2<br>rnds  | Hit to target's knee<br>+14 hits, stunned for<br>2 rnds, -75 to<br>actions. Foe dies in<br>10 rounds. | Hit to foe's knee +22<br>hits, stunned for 2 rnds,<br>-75 to actions. Bones<br>shattered. Foe dies in 2<br>rounds. |

| <b>Roll</b> | <b>A</b>   | <b>B</b>  | <b>C</b>  | <b>D</b>  | <b>E</b>                                     |
|-------------|--|---|---|---|--|
| 00          | Blow to pelvis<br>dislocates<br>both hips. For<br>unable to<br>walk. -90 | Blow breaks spine,<br>paralysed from the<br>waist down. | Blow breaks several<br>ribs. -70, bleeding<br>internally 5 hits/rnd | Massive blow to<br>head knocks foe out<br>cold for 24hrs. | Blow breaks neck and<br>kills foe instantly. |





# The Magic System

The basic magic system of BME is based on the following principles:

- any would-be magic-user has to have at least one tier in the Magic Gift Talent
- has developed (or defaults) the Mana Point Development Skill.
- has developed at least the minimum skill-ranks in the spell intended to cast.

## Areas of Effect

### Arcane

- Abjuration
- Beguilemant
- Conjuraton
- Divination
- Evocation
- Illusion
- Necromancy
- Transmutation

### Divine

- Beneficium (Blessings)
- Maleficium (Curses)
- Officium (Rites)
- Communium (Asking)
- Supplicium (Manifest)
- Exorcism (Banishing)
- Convocarium (Calling)
- Vigilium (Warding)

## The Magic Gift Talent

The magic gift talent costs 5DP per tier and can only be bought at character creation. Please note some Ancestries, Cultures and/or Archetypes may provide bonus tiers to the talent.

### Magic Gift Tier MP Dev Spells

|                    |     |      |
|--------------------|-----|------|
| Tier #0 - None     | -   | -    |
| Tier #1 - Initiate | 8/8 | 7/10 |
| Tier #2 - Student  | 6/6 | 5/7  |
| Tier #3 - Scholar  | 4/4 | 3/5  |
| Tier #4 - Master   | 3/3 | 2/4  |

### Magic Gift Tier MP Dev Spells

|                   |     |     |
|-------------------|-----|-----|
| Tier #5 - Savant  | 2/2 | 1/3 |
| Tier #6 - Oracle* | 1/1 | 1/1 |

## Aspects

There are two aspects to magic. The first is mana points. These are bought as a skill.

A character with 5 ranks in Magic Power and a +10 stat bonus would have a total of 35 Mana Points [MP].

You may not develop the Magic Power skill unless you have at least one tier in the Magic Gift talent.

The second element is the actual spells and rituals known and have a base cost in MP and additional options that can scale the effects in different ways. You may not use a spell until you have sufficient ranks in that spell to meet the base cost and you may not put more MP into a spell than you have ranks in that spell.

*Every spell and ritual is usually developed individually!*

NOTE: A GM may allow multiple spells to be developed at the same time.

NOTE2: For certain settings th GM may allow certain realms, groups, domains, categories or schools to be developed instead of singular spells.

Some effects are dependent or limited based on the number of ranks developed in the spell or ritual.

Durations listed as rounds/rank will last for that many rounds for a single expenditure of MP.

If the duration has a number of rounds and a (C), the duration is the number of rounds or until concentration is broken/stopped.

Some spells and rituals can be reversed to produce an opposite effect. If this is possible it is listed in the description. The reversed version must be learned independently of the original. You cannot just decide in the moment which version you want.

## Using Spells and Rituals

Using magic is called Casting. To cast a spell or a ritual the caster makes a d100 roll only adding their Stat Bonuses to the Casting Roll (CR).

A caster declares the spell to be cast and the action takes up to 3AP. At the end of the action the CR is made.

Note: The roll is open ended both up and down.

If the final result is greater than zero the effect is successfully cast and takes effect.

If the spell can be resisted and the target is unwilling they may resist. To resist they make a Resistance Test rolled d100 and adding their Resistance. If their Resistance Test result is greater than the casting roll then they have resisted the effect.

If a magic has been resisted it has no effect. Resistance Tests are not compulsory. You do not need to resist a magic that you consent to. If you withdraw consent at any time before the magic is complete a resistance test is allowed.

This rule exists explicitly to prevent someone being told that the magic is healing when in reality it is an attempt to control or harm.

## Rituals vs Spells

Rituals differ from Spells in a few points.

- have a casting time of 1 hour per 5MP (or fraction thereof) expended

- the minimal number of ranks needed to cast a ritual is half the MP cost (rounded up).

A ritual with a cost of 17MP can be cast by having 9 ranks in the skill and would require 4 hours to cast.

NOTE: some magics can be cast as either a spell or a ritual for established changes in magnitude,

## Resolving Magic Effects

Attacks are resolved by summing: the result of the casting roll, the spells bonus, minus the defensive bonus of the target and determining the result on the appropriate attack table.

Most other spells are subject to resistance rolls. The failure level is either used as a modifier for rolls or to establish the magnitude of the effect.

Spells that emulate the usage of skills are resolved exactly in the same way.

## Mana Point Recovery

A full complement of Mana Points [MP] is recovered after a period of rest (as determined by the GM).

The GM may rule on recovery for short periods of rest to recover about one MP per hour per Rank in the Magical Power Skill.



## Cantrips

### Acid Splash

- *Type:* Cantrip
- *Realm:* Conjuration
- *Action:* Damage
- *Object:* Elements, Other
- *Power:* 20
- *Range:* 50ft
- *Target/Area:* 1 target
- *Duration:* Instant/No Duration
- *MP Cost:* 2

You hurl a bubble of acid. Choose one creature within range for the target of attack. The attack is resolved with +20 OB to the spell-casting roll on the Elemental Attack Table using Acid Criticals.

### Blade Ward

- *Type:* Cantrip
- *Realm:* Abjuration
- *Action:* Protect
- *Object:* Living, Body
- *Power:* 20

- *Range:* Personal/Self
- *Target/Area:* Individual/Self
- *Duration:* Concentration Only
- *MP Cost:* 2

+20 DB against melee attacks until concentration is broken

### Shillelagh

- *Type:* Cantrip
- *Realm:* Transmutation
- *Action:* Manipulate
- *Object:* Inanimate, Physical
- *Power:* 20
- *Range:* Touch
- *Target/Area:* 1 target (weapon)
- *Duration:* 1 minute
- *MP Cost:* 2

The wood of a club or quarterstaff you are holding is imbued with nature's power. For the duration, you can use at +20 OB for melee attacks using that weapon, and the weapon's damage is determined as it were a Broadsword. The weapon also becomes magical, if it isn't already. The spell ends if you cast it again.







## #Super Powers

Super powers are bought using a pool of 15 development points. These can only be bought at character creation. See below for developing and improving super powers.

### ##Physical Powers

Physical super powers, such as godlike strength or lightning fast reactions are bought using 1DP per +5 bonus.

Physical powers can include bonuses to a characters stats or specific skills.

### ##Projected Powers

Projected powers have effects outside of the characters normal physical form. These are bought using the magic/spell creation rules. One development point is equal to one Mana point for power creation purposes.

Once a power has been defined it does not require mana to be spent to use the power.

### ##Special Effects

Special effects have no direct impact on the game beyond narrative effects. If you buy the power of flight you can decide if you have wings or jet boots or a hovering surfboard. In the game fiction using a firey energy blast on someone holding a million dollars may send the cash up in smoke, just as your Atlantian water blast could turn the bills into a soggy mash. Special effects confer no mechanical advantage without GM consent, and even then the GM may confer a balancing disadvantage.

### ##Improving Powers

When a character gains a level the player can spend DPs on improving powers. 1DP confers +1 to a physical attribute or skill power or 1Mana to be used to develop projected powers.

Existing physical powers may be developed and improved and new attributes developed each level at the 1DP/+1 rate.

Existing projected powers can be improved incrementally. New projected powers need to be paid for in full in a single level. DPs cannot be carried over from multiple levels to buy more expensive powers.









## Creature Roles

## Creature Types

- **Aberration** – An aberration has a bizarre anatomy, strange abilities, an alien mindset, or any combination of the three.
- **Beast** – Beasts are nonhumanoid creatures that are a natural part of the ecology. Most are unintelligent and lack any society or language.
- **Construct** – A construct is an animated object or artificially created creature.
- **Dragon** – A dragon is a reptile-like creature, usually winged, with magical or unusual abilities.
- **Fey** – A fey is a creature with supernatural abilities and connections to nature or to some other force or place.
- **Humanoid** – A humanoid usually has a human-like shape, most can speak and usually have well-developed societies.
- **Monstrosity** – Monstrosities are monsters in the strictest sense—frightening creatures that are not ordinary, not truly natural, and almost never benign.
- **Ooze** – An ooze is an amorphous or mutable creature, usually mindless.
- **Outsider (Celestial, Elemental, Fiend)** – An outsider is at least partially composed of the essence of (or native to) some other non-material plane.
- **Plant** – This type comprises vegetable creatures; even though plants are alive, they are objects, not creatures.
- **Undead** – Undead are once-living creatures animated by spiritual or supernatural forces.
- **Vermin** – This type includes insects, arachnids, other arthropods, worms, and similar invertebrates.

- **Artillery** – A creature which does area damage from a distance, such as a grenadier or a ranged heavy robot.
- **Brute** – A creature focuses on raw melee power, smashing its foes to the ground, such as a great ferocious beast or a mighty robot.
- **Expert** – A creature whose focus is not combat, such as a medic, engineer, or pilot.
- **Ninja** – A fast, mobile melee creature, able to attack quickly and accurately and dance around its opponents.
- **Skirmisher** – A fast, mobile, ranged creature, weak in melee, but able to keep its distance and pick off its targets from afar. Many gun-toting bandits are skirmishers.
- **Support** – A creature which heals or buffs other creatures, or alters the battlefield; this could be a specialist support robot, or an adept commander.
- **Trickster** – A frustrating opponent such as a teleporter, or psychic foe, able to inflict a range of conditions.

## Creatures

Angel Archon Basilisk Beholder Bulette Carrion  
 Crawler Cyclops Death Knight Demon Devil  
 Displacer Beast Doppelganger Dragon Drake  
 Duergar Dwarf Efreet Elemental Elf Ettin Gargoyle  
 Ghoul Giant Gnoll Gnome Goblin Golem Halfling  
 Human Hydra Kobold Lich Lizardfolk Lycanthrope  
 Manticore Minotaur Mummy Ogre Ooze Orc  
 Owlbear Rakshasa Roper Rust Monster Skeleton  
 Stirge Troglodyte Troll Umber Hulk Vampire Wraith  
 Zombie





















## TODO

rework old adrenal/mental focus to work more like spell skills

## NOTICE

[11:13 AM] Terefang: @Peter R is it possible to discuss that BME will drop the adrenal/mental focus skills and replace that with an appendix called “augmentation powers” ?

[11:15 AM] Terefang: ... the reason behind that is that those skills are a real oddball in the system and have multiple very opinionated resolution mechanics.

[11:20 AM] Terefang: ... it may make sense to drop the opinionated mechanics and make them work more like spell-skills but powered by expending body development (ie. hit points)

[11:22 AM] Terefang: ... this could also form the basis for extensions like chi-powers which may run of a chi-power development skill.

[11:31 AM] Peter R: Yes, all in favour

[11:31 AM] Terefang: example (from the top of my head):

Augmentation: Speed – the character may expend 1 hit-point per rank each round to choose among the following benefits for that round:

- get 1 additional AP
- get +5 to initiative

[11:32 AM] Peter R: I think that they are verging on super powers

[11:32 AM] Peter R: I would like them to work in Tiers if possible, rather like talents, but in a super powers appendix that a GM can implement or not.

[11:32 AM] Terefang: something adrenaline based — you should not be

able to break physical laws

[11:34 AM] Terefang: super-powers will break physical laws – basic augmentation should not

[11:35 AM] Terefang: and having augmentation to rely on the spending of hit-points makes it a mundane thing

[11:37 AM] Terefang: an extension to augmentation could be chi-powers that have their own power-development skill and could bend physical laws

[11:37 AM] Peter R: But, yes, I am happy to cut them out of skills.

[11:39 AM] Terefang: so there is the distinction:

- augmentation will never break nor bend physical laws ... (think Captain America)
- chi-powers should be able to bend but never break physical laws
- super-power can do whatever they want

[11:40 AM] Peter R: OK, that looks coherent and organised

[11:41 AM] Terefang: it also opens up the path for monk-style archetypes

[11:43 AM] Terefang: like – warrior monk (only augmentation), monk (not mentalist but chi), fantastic monk (super-powered)

[11:45 AM] Terefang: since the implied system already is like spell-skills, a “magic monk” or “clerical monk” is not bound to use different resolution techniques but only another power-source

[11:53 AM] Peter R: I like the logic

## OLD RULES FART

### Mental

Mental Focus [Sd, Pr,Em]

There are several Mental Focus skills and they all need developing separately. Mental Focus skills require a combat round, or 5 seconds to prepare before they are used. In some cases to a combat round is required to recover from using a mental focus skill. During the preparation or recover round the character takes a -20 penalty to all actions. Before initiative is rolled in the following round the character rolls their Mental Focus skill to see if they succeeded. Once a Mental Focus state has been achieved it may be maintained for additional rounds but the skill must be retested each subsequent round at a cumulative -10 per round.

**Mental Focus: Speed** gives the character an additional 4 Action Points per round and in addition the number of ranks in Mental Focus: Speed may be added to their initiative roll.

**Mental Focus: Strength** gives the character an additional +15 strength bonus, which would be added to any skill tests using strength for the duration. Skills that have strength listed more than once as a stat bonus will benefit from multiple +15 bonuses.

Example: Melee attacks use St+St+Ag as their stat bonus. In this case the bonus

from Mental Focus: Strength would be +30.

**Mental Focus: Calm** gives a character a +15 bonus that may be applied once per round to either Agility bonus or Self Discipline bonus, but not both in the same round. Where the bonus is to be applied is declared before the roll is made but can be moved with every successful skill test.

**Mental Focus: Defense** [Sd, Pr,Qu]

**Mental Focus: Defense** allows a character to focus their mind on sensing and avoiding attacks. The character cannot be encumbered, they must not have any net maneuver penalty from either armor, excessive equipment or injury. A successful Mental Focus: Defense skill test is made before initiative is rolled and on success the number of ranks in Mental Focus: Defense is added to the characters Defensive Bonus for the entire round. As with all Mental Focus skills one combat round is required to prepare and during that round the character has -20 on all actions. Mental Focus: Defense can be maintained for multiple rounds but each subsequent round incurs a cumulative -10 penalty to the skill roll.





# Optional and Alternative Rules



## The Classic Old-Skool Stats

Brawn (BRA) – Strength and Endurance  
Dexterity (DEX) – Agility and Quickness  
Stamina (STA) – Constitution and Resilience  
Intelligence (INT) – Memory and Reason  
Insight (INS) – Intuition and Self Discipline  
Fellowship (FEL) – Empathy and Presence

## Alternative Stat Generations

### 2d10 Method

### 3d10 Method

## Alternative Stat Layouts



## Broad Weapon Groups (Option)

- Blades [St/St/Ag]
- Blunt & Hafted [St/St/Ag]
- Missile (Bows & Crossbows) [St/Ag/Ag]
- Pole Arms [St/St/Ag]
- Thrown weapons [St/Ag/Ag]

## Skills as Groups

### Old Skool Skill Groups (Option)

- Maneuvering in Armor(\*\*)
- Acrobatics
- Ambush
- Athletics
- Etiquette
- Healing
- Larceny
- Nature
- Perception
- Performance
- Riding
- Scholarship
- Stealth
- Streetwise
- Survival
- Linguistics(\*)
- Body Development(\*\*)

(\*) The Linguistics skill is not a group skill and must be separately developed for each Language.

(\*\*) These skills are not group skills and are subject to special rules given in the core ruleset.

## Alternative Skill Rules

### Skill Groups

### Weapon Skills as Groups

#### Old Skool Weapon Skill Groups (Option)

- One-Handed bladed weapons [St/St/Ag]
- One-Handed blunt & hafted [St/St/Ag]
- Two-Handed weapons [St/St/Ag]
- Missile (Bows & Crossbows) [St/Ag/Ag]
- Thrown weapons [St/Ag/Ag]
- Pole Arms [St/St/Ag]

#### Tight Weapon Groups (Option)

- Bows [St/Ag/Ag]
- Blades, Fencing [St/St/Ag]
- Blades, Long [St/St/Ag]
- Blades, Medium [St/St/Ag]
- Blades, Short [St/St/Ag]
- Blunt Weapons [St/St/Ag]
- Crossbows [St/Ag/Ag]
- Flails [St/St/Ag]
- Hafted [St/St/Ag]
- Lances [St/St/Ag]
- Picks [St/St/Ag]
- Polearms [St/St/Ag]
- Sickles [St/St/Ag]
- Slings [St/Ag/Ag]
- Spears [St/Ag/Ag]
- Whips [St/Ag/Ag]



## Optional Resolution Systems

### Difficulties

Some GMs may find it hard to establish modifiers for skill rolls and fresh GMs in particular may struggle with the OSR nature of the core ruleset. For those we present here a pre-established table of modifiers which should only be taken as a generic guideline.

| Type            | Modifier Threshold |      | Partial Success |
|-----------------|--------------------|------|-----------------|
| Very Easy       | +30                | 70+  | 50+             |
| Easy            | +15                | 85+  | 65+             |
| Normal          | +0                 | 100+ | 75+             |
| Hard            | -15                | 115+ | 90+             |
| Very Hard       | -30                | 130+ | 100+            |
| Near Impossible | -50                | 150+ | 115+            |

### Partial Success (Option)

If it is possible for an action to have a partial success, the GM may rule that the PC achieved up to 50% of the intended action and may try again after some time of reorientation.

### More Detailed Difficulties (Option)

| Type    | Modifier Threshold |     | Partial Success |
|---------|--------------------|-----|-----------------|
| Casual  | +70                | 30+ | 25+             |
| Simple  | +50                | 50+ | 40+             |
| Routine | +30                | 70+ | 50+             |

| Type           | Modifier Threshold |      | Partial Success |
|----------------|--------------------|------|-----------------|
| Easy           | +20                | 80+  | 60+             |
| Light          | +10                | 90+  | 65+             |
| Medium         | +0                 | 100+ | 75+             |
| Hard           | -10                | 110+ | 85+             |
| Very Hard      | -20                | 120+ | 90+             |
| Extremely Hard | -30                | 130+ | 100+            |
| Sheer Folly    | -50                | 150+ | 115+            |
| Absurd         | -70                | 170+ | 130+            |
| Legendary      | -100               | 200+ | 150+            |
| Mythic         | -150               | 250+ | 190+            |

### Take 50

When the PCs are not in immediate danger or distracted – instead of rolling the dice – they can take 50 and add all the usual modifiers for a final result.

### Passive Checks (Option)

Whenever the PCs are not actively using a skill, they are assumed to “Take 50” and the GM can quickly rule on a result.

### Take 100

When the PCs have plenty of time, and qualify for a “Take 50”, they can opt to take 100. That means they are trying until they get it right, and it takes around 10 times the usual time to succeed.





# Pregenerated Characters



# Tario Anselmi, Medieval Man-at-Arms

| Stat | Temp | Bonus | Species | Total |
|------|------|-------|---------|-------|
| Co   | 31   | -6    |         |       |
| Ag   | 43   | -2    |         |       |
| SD   | 69   | +6    |         |       |
| Re   | 69   | +6    |         |       |
| Me   | 95   | +15   |         |       |

| Stat | Temp | Bonus | Species | Total |
|------|------|-------|---------|-------|
| St   | 86   | +12   |         |       |
| Qu   | 46   | -1    |         |       |
| Pr   | 24   | -8    |         |       |
| In   | 82   | +10   |         |       |
| Em   | 84   | +11   |         |       |



# Misc Resources

