

# Grand Piano Regulation Specifications

## Generally Acceptable Ranges

| Item          | Range                                                                           |
|---------------|---------------------------------------------------------------------------------|
| Blow distance | 47mm to 42mm. Varies by size of the piano and the action geometry.              |
| Let-off       | 3mm to 1.5mm. Bass to treble. Generally closer in the concert hall (2, 1.5, 1). |
| Dip           | 10.6mm to 9.3mm.                                                                |
| Checking      | 16mm to 12.7mm                                                                  |

## Kawai Grand Pianos (Selected)

| Model           | Key Height | Key Dip | Blow Distance | Let-off |     |        | Drop |     |        | Back Check |
|-----------------|------------|---------|---------------|---------|-----|--------|------|-----|--------|------------|
|                 |            |         |               | Bass    | Mid | Treble | Bass | Mid | Treble |            |
| RX1-6           | 66         | 10.3    | 46            | 2.0     | 1.5 | 1.0    | 2.0  | 1.5 | 1.0    | 15         |
| RX7             | 68         | 10.3    | 46            | 2.0     | 1.5 | 1.0    | 2.0  | 1.5 | 1.0    | 15         |
| SK2-6/<br>GX1-6 | 66         | 10.1    | 46            | 2.0     | 1.5 | 1.0    | 2.0  | 1.5 | 1.0    | 15         |
| SK7/GX7         | 68         | 10.1    | 46            | 2.0     | 1.5 | 1.0    | 2.0  | 1.5 | 1.0    | 15         |
| EX              | 68         | 10.1    | 46            | 2.0     | 1.5 | 1.0    | 2.0  | 1.5 | 1.0    | 15         |

| Model | Key Height | Key Dip | Blow Distance | Let-off |     |        | Drop |     |        | Back Check |
|-------|------------|---------|---------------|---------|-----|--------|------|-----|--------|------------|
|       |            |         |               | Bass    | Mid | Treble | Bass | Mid | Treble |            |
| SKEX  | 68         | 10.1    | 46            | 2.0     | 1.5 | 1.0    | 2.0  | 1.5 | 1.0    | 15         |

## Steinway Grand Pianos

| Model                        | Key Height  | Key Dip    | Blow Distance | Let-off |       |        | Drop  |       |        | Aftertouch  | Back Check |
|------------------------------|-------------|------------|---------------|---------|-------|--------|-------|-------|--------|-------------|------------|
|                              |             |            |               | Bass    | Mid   | Treble | Bass  | Mid   | Treble |             |            |
| Hamburg<br>S, M, L, O, A, B  | 63mm        | 9.9-10.6mm | 47mm          | 1.5mm   | 1.0mm | 1.0mm  | 2.0mm | 2.0mm | 2.0mm  | 0.8-1.2mm   | 15mm       |
| Hamburg<br>C, D              | 65mm        | 9.9-10.6mm | 47mm          | 1.5mm   | 1.0mm | 1.0mm  | 2.0mm | 2.0mm | 2.0mm  | 0.8-1.2mm   | 15mm       |
| New York<br>S, M, L, O, A, B | 2<br>21/32" | 13/32"     | 1 3/4"        | 1/16"   | 1/16" | 1/16"  | 1/16" | 1/16" | 1/16"  | 0.04-0.055" | 1/2"-5/8"  |

## Static Touch Weights (Hamburg Grands)

### Down Weight

- Bass: 47g S, M, L, O, A, B / 52g C, D
- Tenor: 47g S, M, L, O, A, B / 49-50g C, D
- Mid: 47g S, M, L, O, A, B / 48g C, D
- Treble: 47g all models
- High Treble: 47g all models

### Up Weight

- 20+g all models

## Static Touch Weights (New York Grands)

### Down Weight

- Bass: 50g S, M, L, O, A, B / 51g C, D
- Tenor: 49g S, M, L, O, A, B / 49-50g C, D
- Mid: 48g S, M, L, O, A, B / 48g C, D
- Treble: 48g S, M, L, O, A, B / 47g C, D
- High Treble: 47g S, M, L, O, A, B / 46g C, D

### Up Weight

- 20+g all models

## Yamaha Grand Pianos (G1 to C7)

| Item                                | Dimension                                 | Tolerance          |
|-------------------------------------|-------------------------------------------|--------------------|
| Key height                          | 64mm                                      | +1.0mm to -3.0mm   |
| Height of black key above white key | 12mm                                      | +0.5mm to -0.0mm   |
| Key dip                             | 10mm                                      | +0.02mm to -0.03mm |
| Blow distance                       | 48mm                                      | +0.0mm to -0.02mm  |
| Let-off                             | 3mm in bass graduating to 1.5mm in treble |                    |

| Item                                                 | Dimension                                                | Tolerance        |
|------------------------------------------------------|----------------------------------------------------------|------------------|
| Drop                                                 | Let-off plus 2.0mm                                       |                  |
| Initial damper lift                                  | 24mm (half of blow distance)                             | +1.0mm to -1.0mm |
| Back check distance                                  | 16mm in bass graduating to 14mm in treble                |                  |
| Whippen flange centre pin to shank flange centre pin | 112.5mm                                                  |                  |
| Height of repetition lever above jack                | 0.2mm                                                    |                  |
| Jack position                                        | Rear edge of jack in line with rear edge of knuckle core |                  |