

JIS

JAPANESE INDUSTRIAL STANDARD

Piano

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In the event of any doubt arising,
the original Standard in Japanese is to be final authority.



1. Scope

This Japanese Industrial Standard specifies pianos of not less than 64 keys, (hereafter referred to as the "pianos").

Remarks: The applicable standards to this Standard are shown in Attached Table 1.

2. Types

Pianos shall be classified according to structure into upright type (including spinet type, console type, etc.) and grand type.

3. Name of each part

The name of each part of main parts of piano shall be in accordance with Attached Figs. 1 and 2.

4. Quality

The quality of piano shall comply with each following item.

- (1) The armour shall be free from defects such as camber, cracking, etc., and, be assembled rigidly.
- (2) Painting of armour surface shall be finished beautifully without unevenness.
- (3) The armour shall be tested according to 8.1 and be free from such defects harmful to practical use of armour.
- (4) Tuning pins shall be capable of tuning smoothly, and, be good in holding of height of sound.
- (5) Keys shall be so chamfered as to be easy to play, the surface, be flat and smooth, mutual clearance of each key and height, be uniform, lateral shaking, be little, the motion, be smooth and sensitive and be free from remarkable friction resistance.
- (6) The motion of keys shall be tested according to 8.2, and the results shall be 9 to 11 mm in depth of sinking, 0.39 to 0.74 N in lowering load or 0.098 to 0.39 N in raising load.
- (7) Key and action shall be attached in coincidence correctly, the correlating motion, be smooth and sensitive and string-striking of hammer, be correct.

- (8) The damper head shall be equipped with the felt good in sound stopping effect or the material equivalent or superior thereto in sound stopping effect and the correlating motion, be suitable.
- (9) The motion of pedal shall be smooth, and, be able to play completely the sound stopping, and strong and weak sounds.
- (10) The tuning of musical scale shall be equal temperament of 12 degrees of the pitch, 49A = 440 Hz and each musical scale shall be balanced within the range of tuning frequency standard given in attached Fig. 3. However, the tuning frequency can be heightened within the range up to pitch 49A = 445 Hz taking the designation of purchaser or the transaction period until delivery to the purchaser into consideration.
- (11) The sound region shall be 1A to 88C in the case of 88 keys as reference.
- (12) The sound volume shall be uniform over the total sound region and, be able to express broadly the range of strong and weak sounds.
- (13) The tone quality shall be uniform over the total sound region and each sound, be superior and have elongation.

5. Structure and dimensions

The structure and dimensions of pianos shall comply with following each item.

- (1) The armour shall be as follows:
 - (a) The armour shall be of such structure as to be able to keep sufficiently the strength and endurance.
 - (b) The parent plate of upright type or the side plate of grand type shall be fixed securely with the strut side face.
 - (c) The keyboard cover shall be smooth in opening and closing and capable of attaching and detaching.
 - (d) The roof of upright type shall be capable of opening and closing freely and the upper and lower front plates shall be capable of attaching and detaching.
 - (e) The parent plate of grand type shall be joined by hinges upper front plate, and, as a rule, be of such structure that it is capable of exchanging the opening angle in two steps and of attaching and detaching easily.
 - (f) The leg part shall, as a rule, be equipped with a caster.
- (2) The legs and pedal of grand type shall be of such structure as to be capable of being detached.
- (3) Struts and steel skeleton shall hold such strength as to endure the tensile force of string and the steel skeleton and struts, be screw-stopped.