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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 24389-2009

Noise limits for shearing machinery

剪切机械 噪声限值

(English Translation)

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Foreword

3.1.1,3.2.1,3.3.1,3.4.1,3.5.1 this standard, as recommended in Chapter 4, the other mandatory.

The standard proposed by China Machinery Industry Federation.

This standard by the National Forging Machinery Standardization Technical Committee.

1 Scope

This standard specifies the shear mechanical sound power level and sound pressure level of the noise limits.

This standard applies to mechanical shear, including various types of bar shears, alligator shears,, punching shears, United punching Shears.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 23281-2009 forging machinery noise level measurement method GB/T 23282-2009

forging machinery sound power level measurement

3 Noise limits

Shear mechanical noise into sound power level, sound pressure level requirements, and according to the type of cutting machine are given noise limits.

3.1.1 Bar shears sound power level limits

Bar shears during continuous idling noise A-weighted sound power level LWA shall not exceed specified in Table 1.

Table 1

Nominal force bar shearing machine/kN limit sound power level LWA/dB (A) 10 ~ 20103 > 20114

Table 3

Shears Hydraulic pump flow rate/(L/min) sound power level limit value LWA/dB (A) ≤25 94 > 25 to 63100 > 63103

3.3.2 Shears SPL Limit

Table 4

≤10 85

> 10 ~ 2090

> 2093

Table 5

≤25 81

> 25 to 6385

> 6390

Specified in Table 6.

Table 6

≤10 101

> 10 ~ 20102

> 20103

3.4.1 Punching shear sound power level limits

Noise A-weighted sound power level LWA punching shear continuous idling time should not exceed 94dB (A).

3.5.1 Ironworkers sound power level limits

During continuous idling noise A-weighted sound power level LWA shall not exceed the specified in Table 7.

Table 7

Ironworker can shear thickness/mm sound power level limit value LWA/dB (A) ≤ 10 97 > 10
~ 16100 > 16106

3.5.2 Ironworkers SPL Limit

Table 8

≤ 10 83

> 10 ~ 1686

> 1688

4.1 SPL Measurement

Noise level measurement method presses shall comply GB/T 23281-2009 of.

4.2 Sound power level measurement

Sound power level measurement of the press shall comply with GB/T 23282-2009 of.

4.3 Noise Measurement Description

4.3.1

factory test only measures the noise level.

4.3.2

The new design or improve the design, technology, materials, new products after the noise level should be measured during the performance test; can then measure the noise Sound power level to the noise level of conformity assessment basis.