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ISO 10816-1:1995. Establishes the general conditions and procedures for the measurement and evaluation of vibration, using measurements made on the non-rotating parts of machines. The general evaluation criteria relate to both operational monitoring and acceptance testing and have been established primarily with regard to securing reliable

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long-term...

## **ISO - ISO 10816-1:1995 - Mechanical vibration — Evaluation ...**

ISO 10816-1 General Machines. ISO 10816-1 is a basic document which sets out general guidelines for the measurement and evaluation of mechanical vibration of machines, as

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measured on non-rotating parts. The machine classifications are as follows:

## **ISO10816 Charts | Vibsens**

ISO 20816-1:2016 establishes general conditions and procedures for the measurement and evaluation of vibration using measurements made on rotating, non-rotating and non-

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reciprocating parts of complete machines.

## **ISO - ISO 20816-1:2016 - Mechanical vibration ...**

Mechanical vibration -- Evaluation of machine vibration by measurements on non-rotating parts -- Part 21: Horizontal axis wind turbines with gearbox. ISO

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10816-21:2015 specifies the measurement and evaluation of mechanical vibration of wind turbines and their components by taking measurements on non-rotating parts.

## **ISO - ISO 10816-21:2015 - Mechanical vibration ...**

ISO 10816-1, dealing with the



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measurement and evaluation of machine vibration, could be called on for the components of wind turbines (rotor bearing, gearbox, and generator). It is the basis of a number of other International Standards, including ISO 10816-3 , for industrial machines of all kinds.

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## **ISO 10816-21:2015(en), Mechanical vibration ? Evaluation ...**

ISO 10816 establishes the general conditions and procedures for measurement and evaluation of vibrations from the non-rotating parts of machines.

## **ISO 10816 Standards: Vibration**

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## **Monitoring Non Rotating ...**

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10816-1:1995 (E) 0 ISO Introduction This part of ISO 10816 is a basic document which establishes general guidelines for the measurement and evaluation of mechanical Vibration of machinery. Vibration measurements can be used for a number of purposes including routine operational monitoring.

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## **ISO 10816-1.pdf | International Organization For ...**

ISO 10816-1 is the basic document describing the general requirements for evaluating the vibration of various machine types when the vibration measurements are made on non-rotating parts. This part of ISO 10816 provides specific guidance for assessing

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the severity of vibration measured on bearings, bearing pedestals, or housings of industrial machines when measurements are made in situ .

## **ISO 10816-3:2009(en), Mechanical vibration ? Evaluation of ...**

ISO 10816-3:2009 gives criteria for assessing vibration measurements when

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made in situ. The criteria specified apply to machine sets having a power above 15 kW and operating speeds between 120 r/min and 15 000 r/min.

## **ISO - ISO 10816-3:2009 - Mechanical vibration — Evaluation ...**

Tech Note 112: Vibration Severity Level  
ISO 10816-1 Last Updated: 05/10/2017.

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Vibration Severity Chart 10816-1

Published by ISO by Machine Class. Shaft Speed (RPM) Less than 2, 000. Greater than 2, 000. Mounting. Drive. Category. Mounting. Drive . Category. Rigid Mounting. Rigid Drive. I. Rigid Mounting. Rigid Drive. II. Flex Drive. II.

**Tech Note 112: Vibration Severity**



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## **Level ISO 10816-1**

ISO 10816=1:1995(E) Foreword ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member

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body interested in a subject for

## **Mechanical vibration - Evaluation of machine vibration by ...**

ISO 10816-8:2014 applies to reciprocating compressors mounted on rigid foundations with typical rotational speed ratings in the range 120 r/min up to and including 1 800 r/min. The

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general evaluation criteria which are presented relate to operational measurements.

## **ISO - ISO 10816-8:2014 - Mechanical vibration — Evaluation ...**

ISO 10816-1 replaces ISO 2372 as a general guide outlining measurement and evaluation of mechanical vibration

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in typical industrial machinery. Note that although these guidelines are defined in accordance to machine classification as noted below, these guides provide a standardized starting point for evaluation.

**NORMA ISO-10816-1 | Machine  
(Mechanical) | Engines**

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- At or above 0.314 ips-pk is rough for general machinery.
  - About 1 g's-pk or below represents good operation for most machinery. Cease
- Industrial Consulting Machine Vibration Standards: Ok, Good, Better & Best 5.
- About 3 to 4 g's-pk represents the limit of good to fair operation for most machinery.

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## **Part 2 - Absolute, General Standards**

ISO 10816-1 is the basic document describing the general requirements for evaluating the vibration of various machine types when the vibration measurements are made on non-rotating parts. This part of ISO 10816

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## **Mechanical vibration — Evaluation of machine vibration by ...**

ISO 10816 Vibration Severity Standards  
ISO 2372 (10816) Standards provide  
guidance for evaluating vibration  
severity in machines operating in the 10  
to 200Hz (600 to 12,000 RPM) frequency  
range. Examples of these types of

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machines are small, direct-coupled, electric motors and pumps, production motors, medium motors, generators, steam and gas turbines, turbo-compressors, turbo-pumps and fans.

## **ISO 10816 Vibration Severity Standards**

mechanical vibration - evaluation of



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machine vibration by measurements on non-rotating parts - part 1: general guidelines Includes all amendments and changes through Amendment 1, October 1, 2009 View Abstract

**ISO 10816-1 : MECHANICAL  
VIBRATION - EVALUATION OF  
MACHINE ...**

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ISO 10816-1 provides a general description of the two evaluation criteria used to assess vibration severity on various classes of machines. One criterion considers the magnitude of observed broad-band vibration: the second considers

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