Oil-Xtra series employs a work-safety design to prevent health problems.

Compliant with CE machine safety directives
The production specifications of Oil-Xtra series are compliant with EN792. Vibration and noise level are also presented in accordance with EN / ISO standards.

About noise
Standards for noise measurement:
- ISO 15744
- Hand-held non-electric power tools - Noise measurement code
- JIS Z 8733
- Acoustics - Determination of sound pressure levels of noise sources using sound pressure - Engineering method in an essentially free field over a reflecting plane

How the noise level is represented:
- Terms used to describe loudness
  - Sound pressure is represented in the measuring unit of dB (decibel).
  - A-weighting
    - A-weighted sound measurement accounts for the fact that human hearing sensitivity depends on sound frequency.
  - Sound pressure level (hourly average)
  - Sound pressure level (annual average)
    - Sound pressure emitted from the noise source is measured over a certain amount of time and the average value is calculated.
    - Measurement was made at five positions in the distance of 1m.

Guidelines established for the prevention of noise-related disorders

About vibration
Standards for vibration measurement:
- ISO 8662-1
  - Hand-held portable power tools - Measurement of vibrations at the handle Part 1: General
- ISO 2631-2
  - Hand-held portable power tools - Test methods for evaluation of vibration exposure Part 2: Wrenches, nutrunners and screwdrivers
- JIS B7763-1
  - Hand-held portable power tools - Measurement of vibrations at the handle - Part 1: General
- JIS B7762-7
  - Hand-held portable power tools - Measurement of vibrations at the handle Part 7: Wrenches, screwdrivers and nutrunners

How the vibration level is represented:
- Combination of frequency-weighted RMS acceleration values measured in three vibration directions
  - This figure is required to estimate “vibration exposure time AEB,” which is necessary for the management of vibration tool operation.
  - Vibration acceleration level is measured at the gripping zone simultaneously in three directions (X-Y-Z) with a hand-arm vibration meter in accordance with the standards for each type of vibration tool.
  - Then, the measured values are adjusted as the effect on human hand / arm varies by vibration frequency.
  - And these adjusted values are combined to represent “vibration level.”

For prevention of vibration syndrome

Due to product improvements, the above specifications and measurements are subject to change without notice.

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URL: http://www.vessele.jp
Printed in Japan

Made in Japan

New Japan quality

Light, smooth and easy to use.

VESSEL Oil-Xtra series
Air screwdrivers / Air impact wrenches

http://www.vessele.co.jp/airtools/info/oilxtra/
Reduces annoying noise at a construction site!

**Silent-Impact**

Self-lubrication mechanism
VESSEL Dix-Xtra series adopts an oil lubrication mechanism, which suppresses the hammering noise inseparable from the air tools. Its hammer and anvil would not be harmed so that the durability has been dramatically improved.

Novel environmentally-friendly model with low noise + low vibration spec.

<table>
<thead>
<tr>
<th>Standard Screw: M4.0~5.0mm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No. GT-PLXD</strong></td>
</tr>
<tr>
<td>13-bit sleeve type</td>
</tr>
<tr>
<td>With screw</td>
</tr>
<tr>
<td>Accessories</td>
</tr>
<tr>
<td>Double-end bit 4.0 ~ 6.0 / Wood coupling / Air coupling / Lubrication oil for rotating mechanism, ISO VG-10 / Lubrication oil for impact mechanism, ISO VG-32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standard Screw: M5.0~6.0mm</th>
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<tbody>
<tr>
<td><strong>No. GT-S4.5XD</strong></td>
</tr>
<tr>
<td>13-bit sleeve type</td>
</tr>
<tr>
<td>With screw</td>
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<tr>
<td>Accessories</td>
</tr>
<tr>
<td>Double-end bit 4.0 ~ 6.0 / Wood coupling / Air coupling / Lubrication oil for rotating mechanism, ISO VG-10 / Lubrication oil for impact mechanism, ISO VG-32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standard Screw: M6.0~8.0mm</th>
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</thead>
<tbody>
<tr>
<td><strong>No. GT-P5.5XD</strong></td>
</tr>
<tr>
<td>13-bit sleeve type</td>
</tr>
<tr>
<td>With screw</td>
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<td>Accessories</td>
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<tr>
<td>Double-end bit 4.0 ~ 6.0 / Wood coupling / Air coupling / Lubrication oil for rotating mechanism, ISO VG-10 / Lubrication oil for impact mechanism, ISO VG-32</td>
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</tbody>
</table>

**Braking effect**
Oil lubrication mechanism quickly stops unnecessary irregular rotation when trigger is released. Therefore, this series is ideal for repetitive tasks required at recycling factories, etc.

**Ergonomic grip**
Its handle is designed to be slim and easy to hold. Even a long series of use does not stress user’s wrist as the position of the gravity center is made close to the grip.

**Cushion grip**
Absorbs vibration and noise on the operator’s hand. No. GT-P6EXD / No. GT-P66XD

**Exhaust bypass system**
By bypassing the oil before releasing it, Dix-Xtra series reduces noise and high-pitched sound. No. GT-P650XD / No. GT-P660XD

**Silencer**
All Dix-Xtra models adopt 360 degree free-turn silencer.

**Powerful air motor**
Our air motors are finished with high precision to secure smooth rotation. High power output is guaranteed by minimizing the power loss from clearance between parts.