GET OSHA COMPLIANT

COMPLIANT PRODUCTS TO OSHA CRYSSTALLINE SILICA RULE 29 CFR 1926.1153
OCCUPATIONAL EXPOSURE TO
RESPIRABLE CRYSTALLINE SILICA
RULE 29 CFR 1926.1153

OSHA is amending its existing standards for occupational exposure to respirable crystalline silica. OSHA has determined that employees exposed to respirable crystalline silica at the previous Permissible Exposure Limits face a significant risk of material impairment to their health. The evidence in the record for this rulemaking indicates that workers exposed to respirable crystalline silica are at increased risk of developing silicosis and other non-malignant respiratory diseases, lung cancer, and kidney disease. This final rule establishes a new permissible exposure limit and Specific Exposure Control Methods.

COMPLIANCE SCHEDULE – Standards took effect on June 23 of 2016, after which industries must comply, based on the following schedule:

ENFORCEMENT & COMPLIANCE:
- Construction - September 23, 2017, 15 months after the effective date
- General Industry and Maritime - September 23, 2018, two years after the effective date

KEY PROVISIONS OF OSHA RULE 1926.1153
Reduces the permissible exposure limit (PEL) for respirable crystalline silica to 50 micrograms per cubic meter of air, averaged over an 8-hour shift.

Requires employers to: use engineering controls (such as water or ventilation) to limit worker exposure to the PEL; provide respirators when engineering controls cannot adequately limit exposure; limit worker access to high exposure areas; develop a written exposure control plan and train workers on silica risks and how to limit exposures.

Provides flexibility to protect workers from silica exposure and provides medical exams to monitor highly exposed workers.

Employers can apply 1 of 3 options for compliance: Option 1 Specified Exposure Control method provided in Table 1 of the standard or Alternate Exposure Control methods options 2 and 3 which both require workers’ exposure to silica to be below the Permissible Exposure Limit.

METHODS OF COMPLIANCE

SPECIFIED EXPOSURE CONTROL METHODS: For each employee engaged in a task identified on Table 1, the employer shall fully and properly implement the engineering controls, work practices, and respiratory protection specified for the task on Table 1.

ALTERNATIVE EXPOSURE CONTROL METHODS: For tasks not listed in Table 1, or where the employer does not fully and properly implement the engineering controls, work practices, and respiratory protection described in Table 1.

PERFORMANCE OPTION: The employer shall assess the 8-hour Time-Weighted Average (TWA) exposure for each employee on the basis of any combination of air monitoring data or objective data sufficient to accurately characterize employee exposures to respirable crystalline silica.

SCHEDULED SELF-MONITORING: If a control method is not listed on Table 1 and no objective data is available, OSHA requires employers implement a monitoring program to show that the employees have exposure levels below the PEL. The employer shall perform initial monitoring to assess the 8-hour TWA exposure for each employee on the basis of one or more personal breathing zone air samples that reflect the exposures of employees on each shift, for each job classification, in each work area.

SPECIFIED EXPOSURE CONTROL METHOD
Table 1 identifies 18 common construction tasks that generate high exposures to respirable crystalline silica and for each task, specifies engineering controls, work practices and respiratory protection that effectively protect workers.

Employers who fully and properly implement the controls and practices specified in Table 1 ARE NOT REQUIRED to measure silica exposure to verify that levels are at or below the PEL for workers engaged in the Table 1 task.

KEY REQUIREMENTS:
- Use commercially available water delivery system or dust shroud
- Operate and maintain tool in accordance with manufacturer’s instructions to minimize dust emissions
- Dust collector must have a filter with 99% or greater efficiency and a filter-cleaning mechanism
- Dust collector must provide 25 CFM or greater of airflow per inch of wheel diameter
- Where applicable, respiratory equipment may be required under certain conditions
BUILD A DUST EXTRACTION SOLUTION FOR YOUR JOB SITE

Today there is new demand for more solutions to reduce concrete silica dust on the job site. Makita® has an expanding dust extraction system with vacuums, accessories and attachments for use in concrete drilling, breaking, surfacing and cutting applications. Makita® provides the options you need to build an OSHA compliant system for your job site, even if the job takes you away from a power source. Makita® is the leader in cordless technology, so build a system powered by 18V LXT® batteries and benefit from the expansive breadth-of-line of the world’s largest 18V cordless tool system. If you’re near a power source, plug in with Makita® corded dust extractors that combine top performance metrics with lower noise, less weight, and longer service life.

COMPONENTS OF A DUST MANAGEMENT SYSTEM

| 1 | DETERMINE YOUR APPLICATION |
| 2 | CHOOSE YOUR TOOL NEED (CORDLESS OR CORDED) |
| 3 | IDENTIFY YOUR REQUIRED DUST EXTRACTION ATTACHMENT |
| 4 | CHOOSE YOUR DUST EXTRACTOR |
| 5 | IDENTIFY YOUR CONNECTION ACCESSORIES |

SOLUTION 1

SOLUTION 2

DUST MANAGEMENT SEARCH MADE EASY

Whether you need parts, accessories, extractors or tools, find an OSHA-compliant system with the industry’s best solution-finder app. Search by trade, application, model number, and more.

MAKITATOOLS.COM/DUST-MANAGEMENT
DUST EXTRACTION SOLUTIONS OVERVIEW

From the integrated convenience of the XRH01 used with DX01 On-Board Dust Extractor to the peak-performance and versatility of the VC4710 12 gallon Xtract Vac, Makita offers a robust-line of dust management solutions designed to meet your application needs. With both corded and cordless options, Makita delivers both cordless mobility and innovation that allows you to work effectively while reducing concrete silica dust on the job site.
COMBINES BRUSHLESS MOTOR TECHNOLOGY
WITH ON-BOARD DUST EXTRACTION - WITHOUT THE CORD

XRH10PTW
18V X2 LXT® 36V Brushless 1-1/8” AVT® Rotary Hammer Kit, AFT®, AWS™ Capable

- X2 LTX® technology delivers up to 140 1/2” x 2-3/8” holes per charge using two 18V LXT® 5.0Ah batteries
- Powerful BL™ Brushless motor delivers 0-980 RPM, 0-5,000 BPM and 2.3 ft.lbs. of impact energy to handle the most demanding applications
- AVT® is an active internal counterbalance system and vibration-absorbing back handle that are engineered to reduce vibration for increased comfort

MAX. CAPACITY (CONCRETE DRILLING)
1-1/8"

OPTIMUM RANGE (CONCRETE DRILLING)
3/16” - 5/8”

MAX. CAPACITY (CONCRETE DRILLING W/ CORE BIT)
2-1/8"

IMPACT ENERGY (FT.LBS.)
2.3 ft.lbs. / 3.2 J

BLOWS PER MINUTE (VARIABLE SPEED)
0 - 5,000 BPM

NO LOAD SPEED (VARIABLE SPEED)
0 - 980 RPM

XRH10PTW includes Dust Extractor Attachment with HEPA Filter Cleaning Mechanism (DX08), (2) 18V LXT® Lithium-Ion 5.0Ah Battery (BL1850B), 18V LXT® Lithium-Ion Dual Port Charger (DC18RD), Dust Case with HEPA Filter Cleaning Mechanism (199588-6), Side Handle, Depth Gauge, Tool Bag

**Accepts SDS-PLUS

OSHA Table 1 compliant on-board dust extractor has a filter cleaning mechanism for optimum suction

CONTROL
AFT® electronically turns off the motor if rotation of bit is suddenly forced to stop

Cordless Backpack Design
Powerful Suction in a Lightweight and Mobile Design

XCV10PTX
18V X2 LXT® BL™ 1/2 Gal. HEPA Filter Backpack Dust Extractor Kit, AWS™ Capable

- Powerful BL™ Brushless Motor generates 64 CFM of suction power and 44” of water lift
- Up to 62 minutes of continuous operation on normal setting and 33 minutes on high setting using two 18V LXT® 5.0Ah batteries
- Compact and lightweight design; weighs only 10 lbs. with batteries

GROSS CONTAINER SIZE
.5 GAL.

AIR FLOW RATE
64 CFM

STATIC WATER LIFT
44”

CONTINUOUS USE (MAX, IN MINUTES)
62 MIN.

BATTERY
2X 18V LXT® LITHIUM-ION

HEPA FILTER
YES

EQUIPPED FILTER EFFICIENCY
99.97% OF .3 MICRONS

XCV10PTX includes: (2) 18V LXT® Lithium-Ion 5.0Ah Battery (BL1850B), 18V LXT® Lithium-Ion Dual Port Charger (DC18RD), Flexible Hose, 1” x 59” (123636-9), Tool Cuff Adapter, 22mm for 1” hose (417786-1), Tool Cuff Adapter, 24mm for 1” hose (424379-0), Tool Cuff Adapter, 38mm for 1” hose (417786-9)

**Up to 62 minutes of continuous run time on low setting using two 18V LXT® Lithium-Ion 5.0Ah batteries BL1850B (batteries not included)

CONVENIENCE
AWS™ for wireless power-on/off communication with dust extractor

POWER
Powerful BL™ Brushless Motor generates 64 CFM of suction power and 44” of water lift

EFFICIENCY
Two stage HEPA filtration system captures 99.97% of particulates .3 microns and larger

XCV10PTX
18V X2 LXT® (36V) Brushless 1-1/8” AVT® Rotary Hammer Kit, Tool Only

XRH08PT
18V X2 LXT® (36V) Brushless 1-1/8” AVT® Rotary Hammer, AFT®, AWS™ Capable, Tool Only

Accepts SDS-PLUS

*Compliant under Option 2, Objective Data of the OSHA standard for Occupational Exposure to Respirable Crystalline Silica (rule 1926.1153) when dust extractor is operated with the tested tool model and operated under conditions tested by Makita ®. To see the test procedures go to makitatools.com/dustmanagement.
ULTIMATE VERSATILITY
IN A PORTABLE CORDLESS POWER SOLUTION

XCV11T
18V LXT® Brushless 2 Gal. HEPA Filter Portable Wet/Dry Dust Extractor/Vacuum Kit

- The BL™ Brushless Motor eliminates carbon brushes, enabling the BL™ Motor to run cooler and more efficiently for longer life
- Up to 60 minutes of continuous run time using an 18V LXT® Lithium-Ion 5.0Ah battery BL1850B
- Compact and portable design with shoulder strap; weighs only 10.1 lbs. with 18V LXT® 5.0Ah battery (shoulder strap not included)

GROSS CONTAINER SIZE 2 GAL.
AIR FLOW RATE 57 CFM
STATIC WATER LIFT 27”
CONTINUOUS USE (MAX, IN MINUTES) 60 MIN.
BATTERY 18V LXT® LITHIUM-ION
FILTER CLEANING YES
HEPA FILTER YES

XCV11T Includes: (2) 18V LXT® Lithium-Ion 5.0Ah Battery (BL1850B), 18V LXT® Lithium-Ion Rapid Optimum Charger (DC18RC), Round Wet/Dry HEPA Filter (162518-0), Pre-Filter Set, XCV11T (199827-4), 5” Black Upholstery Nozzle (458891-7), 7” Black Crevice Nozzle (458919-1), Anti-Static Flexible Hose, 1” x 6.5’ (140G04-3)

PERFORMANCE
Brushless motor delivers 74 CFM using a 18V LXT® Lithium-Ion battery

ON OFF

EFFICIENCY
Filter cleaning system is designed to maintain optimum suction efficiency and longer filter life

DUST MANAGEMENT
Efficient HEPA filter captures 99.97% of particulates .3 microns and larger

18V X2 LXT® MOTOR
FOR OPTIMIZED DUST MANAGEMENT PERFORMANCE

XCV16ZX
18V X2 LXT® (36V) Brushless 4 Gal. HEPA Filter Dry Dust Extractor, AWS™

- Powerful BL™ Brushless motor delivers 74 CFM and 39” water lift of suction using two 18V LXT® Lithium-Ion batteries (batteries not included)
- Auto-start Wireless System (AWS™) utilizes Bluetooth® technology for wireless power-on/off communication between tool and dust extractor
- Up to 75 minutes of run time on low setting and 40 minutes on high setting using two 18V LXT® 5.0Ah batteries BL1850B (batteries not included)

GROSS CONTAINER SIZE 4 GAL.
AIR FLOW RATE 74 CFM
STATIC WATER LIFT 39”
CONTINUOUS USE (MAX, IN MINUTES) 75 MIN.
BATTERY 2X 18V LXT® LITHIUM-ION
HEPA FILTER YES
EQUIPPED FILTER EFFICIENCY 99.97% OF .3 MICRONS

XCV16ZX Includes: Anti-Static Hose, 1” x 11’ (195433-3), Tool Cuff Adapter, 22mm for 1” hose (417765-1), Tool Cuff Adapter, 24mm for 1” hose (424398-9), Tool Cuff Adapter, 38mm for 1” hose (417766-9), Plastic Disposal Bag, 10/pk (195432-5), HEPA Filter (197166-6), Damper Filter (423398-2), Pre-Filter (195553-3)

PERFORMANCE
Brushless motor delivers 74 CFM; X2 design for max power and run time

PRODUCTIVITY
Filter cleaning system is designed to maintain optimum suction efficiency and longer filter life

EFFICIENCY
Efficient three stage HEPA filtration system captures 99.97% of particulates .3 microns and larger
Setting a New Standard
For Dust Management on the Job Site

ACCESSORY STORAGE
Integrated cord reel and hose brackets
Variable control speed dial
Quick-release latches

Wide-set durable polyurethane wheels
Enlarged steel casters

Accessory storage

VC4710
12 Gallon Xtract Vac® Wet/Dry Dust Extractor

The Xtract Vac® (model VC4710) is at the center of Makita's growing dust collection system, and with an extensive range of features the VC4710 is a top performer in the jobsite vacuum category. This is a best-in-class solution for dust extraction in concrete and woodworking applications. The VC4710 is powered by a 12 AMP motor that generates 135 CFM of suction power and 92" of water lift to take on the most challenging applications. In addition, precision lightweight motor components and more efficient air ducting allowed engineers to reduce the weight to only 27 lbs. For improved stability, the VC4710 has wide-set urethane rear wheels and enlarged steel caster front wheels to create a lower center of gravity for improved stability and easier movement.

VC4710 Includes:
- Main Flat Filters, 2/pk (P-79843), Anti-Static Hose, 1-3/8" x 16' (P-79865), Fleece Nano Filter Bag, 5/pk (P-70293), Plastic Disposable Bag, 5/pk (P-70297), Crevice Nozzle (W6084)

SPECIFICATIONS

Gross Container Size .................................................. 12 gal.
Wet Capacity ................................................................. 8 gal.
Air Flow Rate ................................................................. 135 CFM
Static Water Lift ......................................................... 92"
AMPS ........................................................................... 12
Filter Cleaning ................................................................. Yes
HEPA filter ..................................................................... Optional
Equipped Filter Efficiency ........................................... 99.95% of 2 microns
Tool Activated Suction Start-Up? ................................. Yes
Cord Length (ft) .............................................................. 59 dB(A)
Dry Weight .................................................................. 24.6'

HEPA Filter Available
(Sold Separately)

P-79859

VC4710

Auto-Filter Cleaning System

POWER
12 AMP motor generates 135 CFM of suction power to take on the most challenging applications

PERFORMANCE
Automatic Filter Cleaning System with dual filter blow-back feature for consistent suction

EFFICIENCY
Efficient two stage filtration system with main nano filter captures 99.95% particles

Xtract Vac®

VC4710

MAKITATOOLS.COM/DUSTMANAGEMENT 7
## Makita® Dust Extraction OSHA Compliant Solutions

### SDS-PLUS / SDS-MAX Drilling (Compatible Dust Extractors)

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>APPLICABLE TOOLS</th>
<th>DUST ATTACHMENT</th>
<th>CONNECTION ADAPTER</th>
<th>DUST EXTRACTOR</th>
<th>OSHA 29 CFR 1926.1153 COMPLIANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS-PLUS Drilling</td>
<td>XRH011X, XRH012X, XRH011TX</td>
<td>199588-6 - Dust Case w/ Filter Cleaning Mechanism</td>
<td>N/A</td>
<td>DX01 - Dust Extractor Attachment with HEPA Filter</td>
<td>YES Option 1, Under Table 1 of Specified Exposure Control Methods*</td>
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<tr>
<td></td>
<td>XRH010PTW, XRH10TZX, XRH100PTW, XRH122ZTW, XRH121TW</td>
<td>Required for Compliance Under OSHA Table 1</td>
<td></td>
<td>DX01 - Dust Extractor with HEPA Cleaning Mechanism</td>
<td>YES Option 1, Under Table 1 of Specified Exposure Control Methods*</td>
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<tr>
<td>SDS-PLUS Drilling</td>
<td>HR2661, HR2651</td>
<td>N/A</td>
<td>N/A</td>
<td>135905-6 - Dust Extraction Attachment w/HEPA Filter</td>
<td>YES Option 2, Performance (Objective Data)**</td>
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<tr>
<td>SDS-PLUS Drilling</td>
<td>XRH01, XRH03, XRH04, XRH02, HR2641, HR2611T, HR2631F</td>
<td>193472-7 Dust Extraction Attachment</td>
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<td>XCV10ZX</td>
<td>REQUIRED SELF TESTING Option 3, Scheduled Self-Monitoring</td>
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<td>XRH01, XRH03, XRH04</td>
<td>195173-0 Dust Extraction Cup</td>
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<td>XRH02, XRH06, RH01, RH02, HR1840</td>
<td>198362-9 Dust Extraction Cup</td>
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<tr>
<td>SDS-PLUS Drilling</td>
<td>XRH01, XRH03, XRH04, XRH02, HR2641, HR2611T, HR2631F</td>
<td>193472-7 Dust Extraction Attachment</td>
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<tr>
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<td>XRH12, XRH06, RH01, RH02, HR1840</td>
<td>198362-9 Dust Extraction Cup</td>
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<td>XRH01, XRH06</td>
<td>195173-3 Dust Extraction Cup</td>
<td>Included</td>
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<td>SDS-MAX Drilling</td>
<td>HR4002, HR4510C</td>
<td>196074-8 Dust Extraction Attachment</td>
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<td>HR4013C, XRH07</td>
<td>196537-4 Dust Extraction Attachment</td>
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<td></td>
<td>HR5212C</td>
<td>196858-4 Dust Extraction Attachment</td>
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</tbody>
</table>

*Additionally HEPA filtered vacuum is required when cleaning holes.

**Compliant under Option 2, Objective Data of the OSHA standard for Occupational Exposure to Respirable Crystalline Silica (rule 1926.1153) when dust extractor is operated with the tested tool model and operated under conditions tested by Makita®. To see the test procedures go to makitatools.com/dustmanagement.

Note: To ensure performance, verify that any engineer controls (accessory-components used with the dust collector/vacuum such as dust shrouds, dust extraction attachments, connectors) are used per manufacturer instructions and are securely attached to a compliant vacuum.
### SDS-PLUS / SDS-MAX DRILLING

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>APPLICABLE TOOLS</th>
<th>DUST ATTACHMENT</th>
<th>CONNECTION ADAPTER</th>
<th>DUST EXTRACTOR</th>
<th>OSHA 29 CFR 1926.1153 COMPLIANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS-PLUS Drilling</td>
<td>XRH01, XRH03, XRH04, XRH05, XRH06, HR2475, HR2641, HR2811F, HR1840, HR2631F</td>
<td>193472-7 Dust Extraction Attachment</td>
<td>199245-6 Dust Extraction Cup Set</td>
<td>VC4710 12 Gallon Xtract Vac® Wet/Dry Dust Extractor</td>
<td>YES</td>
</tr>
<tr>
<td>SDS-MAX Drilling</td>
<td>HR4002, HR4510C</td>
<td>196074-8 Dust Extraction Attachment</td>
<td>192108-A 3/4”x10’ Connector Hose</td>
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<td>HR4013C, XRH87</td>
<td>196537-4 Dust Extraction Attachment</td>
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<td></td>
<td>HR5212C</td>
<td>196858-4 Dust Extraction Attachment</td>
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</tbody>
</table>

*Additionally HEPA filtered vacuum is required when cleaning holes. Note: To ensure performance, verify that any engine controls (accessory-components used with the dust collector/vacuum such as dust shrouds, dust extraction attachments, connectors) are used per manufacturer instructions and are securely attached to a compliant vacuum.

### DRILLING (DUST EXTRACTION ATTACHMENTS)

#### 193472-7 Dust Extraction Attachment, SDS-PLUS
- Depth stop adjustment allows drilling up to 4” deep and bits up to 3/4”
- Telescoping spring loaded barrel provides job site durability

#### 195173-3 Dust Extraction Cup, SDS-PLUS
- For use with the Makita Rotary Hammers for powerful suction and dust extraction
- Ideal for overhead drilling applications

#### 196074-8 Dust Extraction Attachment, SDS-MAX
- Includes attachments for drilling and demolition applications
- Replaceable nozzle tips help to protect boot from excessive wear

#### 196537-4 / 196858-4 Dust Attachment, SDS-MAX
- Includes both drilling and demolition boots
- Part of Makita’s expanding line-up of dust extraction solutions

MAKITATOOLS.COM/DUSTMANAGEMENT
SDS-MAX DUST EXTRACTION DRILL BITS*

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DIAMETER</th>
<th>LENGTH</th>
<th>USABLE LENGTH</th>
<th>PART #</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS-MAX Dust Extraction Drill Bit, 3-Cutter</td>
<td>1/2&quot;</td>
<td>24&quot;</td>
<td>15-3/4&quot;</td>
<td>B-63828</td>
</tr>
<tr>
<td></td>
<td>9/16&quot;</td>
<td></td>
<td></td>
<td>B-63834</td>
</tr>
<tr>
<td></td>
<td>5/8&quot;</td>
<td></td>
<td></td>
<td>B-63840</td>
</tr>
<tr>
<td></td>
<td>3/4&quot;</td>
<td></td>
<td></td>
<td>B-63862</td>
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<tr>
<td>SDS-MAX Dust Extraction Drill Bit, 10-Cutter</td>
<td>7/8&quot;</td>
<td></td>
<td></td>
<td>B-63884</td>
</tr>
<tr>
<td></td>
<td>1&quot;</td>
<td></td>
<td></td>
<td>B-63890</td>
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<td>1-1/8&quot;</td>
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<tr>
<td></td>
<td>1-3/8&quot;</td>
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<td>B-63937</td>
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</tbody>
</table>

Replacement Sleeve for Dust Extraction Drill Bit

Fits most common dust extractor vacuums

B-63943

*Compliant under Option 1, Objective Data of the OSHA standard for Occupational Exposure to Respirable Crystalline Silica (rule 1926.1153) when the compliant dust extractor is used with the appropriate tool model per manufacturer instructions. Additionally HEPA filtered vacuum is required when cleaning holes. To see the test procedures go to makitatools.com/dustmanagement.

Note: To ensure performance, verify that any engineer controls (accessory-components used with the dust collector/vacuum such as dust shrouds, dust extraction attachments, connectors) are used per manufacturer instructions and are securely attached to a compliant vacuum.

FIBER-CEMENT BOARD CUTTING APPLICATIONS
OSHA RULE TABLE 1: HANDHELD POWER SAWS FOR CUTTING FIBER-CEMENT BOARD (WITH BLADE DIAMETER OF 8" OR LESS)

MAKITA® DUST EXTRACTION OSHA COMPLIANT SOLUTIONS

FIBER-CEMENT BOARD CUTTING (COMPATIBLE DUST EXTRACTORS)

<table>
<thead>
<tr>
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<th>OSHA 29 CFR 1926.1153 COMPLIANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber-Cement Board Cutting</td>
<td>5057KB</td>
<td>Integrated</td>
<td>Included</td>
<td>XCV13Z 18V X2 LXT® Lithium-Ion (36V) Cordless/Corded 4 Gallon HEPA Filter Dry Dust Extractor/Vacuum</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>VC4710 12 Gallon Xtract Vac® Wet/Dry Dust Extractor</td>
<td></td>
</tr>
</tbody>
</table>
# CHIPPING / DEMOLITION APPLICATIONS

OSHA RULE TABLE 1: JACKHAMMERS & HANDHELD POWERED CHIPPING TOOLS

## MAKITA® DUST EXTRACTION OSHA COMPLIANT SOLUTIONS

### MEDIUM DUTY CHIPPING / DEMOLITION

**APPLICATION** | **APPLICABLE TOOLS** | **DUST ATTACHMENT** | **DUST EXTRACTOR** | **OSHA 29 CFR 1926.1153 COMPLIANT**
--- | --- | --- | --- | ---
Medium Duty Chipping | HR4002, HR4510C | 196074-8 Dust Extraction Attachment | XCV13Z 18V X2 LXT® Lithium-Ion (36V) Cordless/Corded 4 Gallon HEPA Filter Dry Dust Extractor/Vacuum | **YES**
Medium Duty Chipping | HR4013C, XR907 | 196537-4 Dust Extraction Attachment | XCV16ZX 18V X2 LXT® Lithium-Ion (36V) Brushless 4 Gallon HEPA Filter Dry Dust Extractor, AWS™ | **YES**
Medium Duty Chipping | HR5212C | 196858-4 Dust Extraction Attachment | | 
Medium Duty Chipping | HM0870C, HM1111C, HR4002, HR4510C, HR4013C, HR4041C | 196671-4 Dust Extraction Attachment, Demolition | XCV18X 18V X2 LXT® Lithium-Ion (36V) Brushless 4 Gallon HEPA Filter Dry Dust Extractor, AWS™ | **YES**
Heavy Duty Demolition | HM1203C, HM1214C | | | 
Heavy Duty Demolition | HM1307CB, HM1317CB, HM1353, HM1812 | 197172-1 Dust Extraction Attachment, 1-1/8" Hex Shank, Demolition | | 

Note: To ensure performance, verify that any engineer controls (accessory-components used with the dust collector/vacuum such as dust shrouds, dust extraction attachments, connectors) are used per manufacturer instructions and are securely attached to a compliant vacuum.
### MEDIUM DUTY & HEAVY DUTY CHIPPING / DEMO (COMPATIBLE DUST EXTRACTORS)

<table>
<thead>
<tr>
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<td>Medium Duty Chipping</td>
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<td>196074-8 Dust Extraction Attachment</td>
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<tr>
<td></td>
<td>HR4013C, XR407</td>
<td>196537-4 Dust Extraction Attachment</td>
<td></td>
<td>VC4710 12 Gallon Xtract Vac® Wet/Dry Dust Extractor</td>
<td>YES</td>
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<tr>
<td></td>
<td>HR5212C</td>
<td>196858-4 Dust Extraction Attachment</td>
<td>3/4”x10’ Connector Hose</td>
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<td></td>
<td>HM0870C, HM1111C, HR4002, HR4510C</td>
<td>196571-4 Dust Extraction Attachment, Demolition</td>
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<td></td>
<td>HM1203C, HM1214C, HR5212C</td>
<td>19772-1 Dust Extraction Attachment, 1-1/8” Hex Shank, Demolition</td>
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<tr>
<td>Heavy Duty Demolition</td>
<td>HM1307CB, HM1317CB, HM1810, HM1812</td>
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</tbody>
</table>

Note: To ensure performance, verify that any engineer controls (accessory–components used with the dust collector/vacuum such as dust shrouds, dust extraction attachments, connectors) are used per manufacturer instructions and are securely attached to a compliant vacuum.

### CHIPPING / DEMO (DUST EXTRACTION ATTACHMENTS)

#### 196074-8
Dust Extraction Attachment, SDS-MAX
- Includes attachments for drilling and demolition applications
- Replaceable nozzle tips help to protect boot from excessive wear
- Vibration absorbing handle for increased comfort on the job
- Includes attachments for drilling and demolition applications
- Vibration absorbing handle for increased comfort on the job

#### 196571-4
Dust Extraction Attachment, SDS-MAX
- Ideal for use in concrete demolition applications
- Use with bull point or chisel bits
- Hose holders help keep hose out of the way of the operator for convenience
- For use with rotary or demolition hammers that accept SDS-MAX as well as Spline and 3/4” Hex bits
- Hose holders help keep hose out of the way of the operator for convenience

#### 197172-1
Dust Extraction Attachment, 1-1/8” Hex
- Attaches directly to 1-1/8” demolition bits 1” to 4” from the surface being demolished for efficient dust extraction
- Convenient hose holders keep the hose out of the way during use
- Large opening allows for maximum dust extraction
- For use with demolition hammers that utilize 1-1/8” hex shank bits
- Part of Makita’s expanding line-up of dust extraction solutions, including the Xtract Vac® model VC4710 (sold separately)
### CUTTING / TUCK-POINTING APPLICATIONS

**OSHA RULE TABLE 1: HANDHELD GRINDERS FOR MORTAR REMOVAL**

#### MAKITA® DUST EXTRACTION OSHA COMPLIANT SOLUTIONS

#### 4-1/2" – 5" CUTTING / TUCK-POINTING (COMPATIBLE DUST EXTRACTORS)

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>APPLICABLE TOOLS</th>
<th>DUST ATTACHMENT</th>
<th>CONNECTION ADAPTER</th>
<th>DUST EXTRACTOR</th>
<th>OSHA 29 CFR 1926.1153 COMPLIANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; – 5&quot; Cutting / Tuck-Pointing</td>
<td>957 Series, 956 Series, GA502 Series, XAG04, XAG09, XAG11, XAG16, XAG20, XAG21</td>
<td>196846-1 5&quot; Dust Extraction Tuck Point Guard</td>
<td>196845-3 5&quot; Dust Extraction Tuck Point Guard</td>
<td>XCV04 Dust extractor must be utilized in AC mode (plugged into power outlet) in order to achieve the CFM requirement for this application.</td>
<td>YES Option 1, Table 1 of Specified Exposure Control Methods*</td>
</tr>
<tr>
<td></td>
<td>957 Series, 956 Series, GA502 Series, XAG04, XAG09, XAG11, XAG16, XAG20</td>
<td></td>
<td>VC4710 12 Gallon Xtract Vac® Wet/Dry Dust Extractor</td>
<td>YES Option 1, Table 1 of Specified Exposure Control Methods</td>
<td></td>
</tr>
<tr>
<td></td>
<td>957 Series, 956 Series, GA502 Series, XAG04, XAG09, XAG11, XAG16, XAG20</td>
<td></td>
<td>VC4710 12 Gallon Xtract Vac® Wet/Dry Dust Extractor</td>
<td>YES Option 1, Table 1 of Specified Exposure Control Methods</td>
<td></td>
</tr>
</tbody>
</table>

*Note: To ensure performance, verify that any engineer controls (accessory-components used with the dust collector/vacuum such as dust shrouds, dust extraction attachments, connectors) are used per manufacturer instructions and are securely attached to a compliant vacuum.

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## SAWING APPLICATIONS

**OSHA RULE TABLE 1: HANDHELD POWER SAWS**

### MAKITA® DUST EXTRACTION OSHA COMPLIANT SOLUTIONS

### SAWING (WATER CONTAINMENT)

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>APPLICABLE TOOLS</th>
<th>DUST ATTACHMENT</th>
<th>POWER CUTTER DOLLY</th>
<th>DUST CONTAINMENT</th>
<th>WATER CONNECTION</th>
<th>OSHA 29 CFR 1926.1153 COMPLIANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Sawing</td>
<td><strong>EK7651H</strong></td>
<td>1H5533-9 Water Attachment</td>
<td>-</td>
<td>YES</td>
<td>YES</td>
<td>COMPLIANT</td>
</tr>
<tr>
<td><strong>EK7651H</strong> Premium Performance</td>
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<tr>
<td><strong>EK7301</strong> Power Performance</td>
<td><strong>EK7301, EK8100</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Direct Water Hose Connection</td>
<td>Option 1, Table 1 of Specified Exposure Control Methods</td>
</tr>
<tr>
<td><strong>EK8100</strong> Capacity Performance</td>
<td><strong>EK6101</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td><strong>EK6101</strong> Compact Performance</td>
<td><strong>EGA8040S</strong></td>
<td>198509-5 9&quot; Dust Extraction Cutting Guard</td>
<td>-</td>
<td>-</td>
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<tr>
<td><strong>GA8040S</strong></td>
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<tr>
<td><strong>XAG232U1, XAG132U1</strong></td>
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</tr>
</tbody>
</table>

Note: To ensure performance, verify that any engineer controls (accessory-components used with the dust collector/vacuum such as dust shrouds, dust extraction attachments, connectors) are used per manufacturer instructions and are securely attached to a compliant vacuum.
# GRINDING / SURFACING APPLICATIONS

OSHAA Rule Table 1: Handheld Grinders for Uses Other Than Mortar Removal

## MAKITA® DUST EXTRACTION OSHA COMPLIANT SOLUTIONS

### 4-1/2" – 7" GRINDING / SURFACING (COMPATIBLE DUST EXTRACTORS)

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>APPLICABLE TOOLS</th>
<th>DUST ATTACHMENT</th>
<th>DUST EXTRACTOR</th>
<th>OSHA 29 CFR 1926.1153 COMPLIANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; – 5&quot; Grading / Surfacing</td>
<td>9557 Series, 956 Series, GA502 Series, XA603, XA604, XA609, XA611, XA616, XA620</td>
<td>195236-5 4-1/2&quot; / 5&quot; Dust Extraction Surface Grinding Shroud</td>
<td>XCV13Z 18V X2 LXT® Lithium-Ion (36V) Cordless/Corded 4 Gallon HEPA Filter Dry Dust Extractor/Vacuum</td>
<td>YES Option 1, Table 1 of Specified Exposure Control Methods*</td>
</tr>
<tr>
<td></td>
<td>PC5000C, PC5001C</td>
<td>Integrated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7&quot; Grading / Surfacing</td>
<td>9557 Series, 956 Series, GA502 Series, XA603, XA604, XA609, XA611, XA616, XA620</td>
<td>195236-5 4-1/2&quot; / 5&quot; Dust Extraction Surface Grinding Shroud</td>
<td>VC4710 12 Gallon Xtract Vac® Wet/Dry Dust Extractor</td>
<td>YES Option 2, Performance (Objective Data)**</td>
</tr>
<tr>
<td></td>
<td>PC5000C, PC5001C, PC5010C</td>
<td>Integrated</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*XCV04 Dust extractor must be utilized in AC mode (plugged into power outlet) in order to achieve the CFM requirement for this application.
**Compliant under Option 2, Objective Data of the OSHA standard for Occupational Exposure to Respirable Crystalline Silica (rule 1926.1153) when dust extractor is operated with the tested tool model and operated under conditions tested by Makita®. To see the test procedures go to makitatools.com/dustmanagement.

Note: To ensure performance, verify that any engineer controls (accessory-components used with the dust collector/vacuum such as dust shrouds, dust extraction attachments, connectors) are used per manufacturer instructions and are securely attached to a compliant vacuum.

### GRINDING / SURFACING (DUST EXTRACTOR ATTACHMENTS)

- **195236-5 / 195386-6**
  - **4-1/2" - 7" Dust Extraction Surface Grinding Shroud**
  - Soft brushes help prevent dust from escaping and help move the tool over the surface
  - 4 spring suspension system keeps shroud flush with surface during movement
  - Removable edge piece allows surface work flush to other objects
  - 195386-6 works with GA7011C, GA7040S, GA9040S

- Standard hose fitting will work with most vacuum systems
- Removable front cap for flush to wall grinding

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<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>APPLICABLE TOOLS</th>
<th>DUST ATTACHMENT</th>
<th>CONNECTION ADAPTER</th>
<th>DUST EXTRACTOR</th>
<th>OSHA 29 CFR 1926.1153 COMPLIANT</th>
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<tr>
<td><strong>DRILLING / CHIPPING / DEMOLITION</strong></td>
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<td></td>
<td>XRH03, XRH04, XRH05, XRH06, HR2841, HR2475, HR2811F</td>
<td>190472-7 Dust Extraction Attachment</td>
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<td>XRH08, XRH10</td>
<td>19173-3 Dust Extraction Cup</td>
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<td>HR4002, HR4010C</td>
<td>190074-8 Dust Extraction Attachment</td>
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<td>HR4013C</td>
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<td>HR5212C</td>
<td>190585-4 Dust Extraction Attachment, Demolition</td>
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<td>HM0870C, HM1170C, HR4002, HR4010C, HR4041C</td>
<td>190571-4 Dust Extraction Attachment, Demolition</td>
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<td>HM1203C, HR2414C, HR5212C</td>
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<td>HM1307CB, HM1317CB, HM1810, HM1812</td>
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<tr>
<td></td>
<td>9557 Series, 956 Series, GA502 Series</td>
<td>196846-1 5&quot; Dust Extraction Tuck Point Guard</td>
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<td>SJ56: GA5042C, GA4542C</td>
<td>190845-3 5&quot; Dust Extraction Tuck Point Guard</td>
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<td>9557 Series, 956 Series, GA502 Series</td>
<td>192794-5 5&quot; Dust Extraction Cutting Guard</td>
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<td>9557 Series, 956 Series, GA502 Series</td>
<td>196415-4 4-1/2&quot; - 5&quot; Dust Extraction Cutting Guard</td>
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<td>192108-A 3/4&quot; x 10' Connector Hose</td>
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<td>9557 Series, 956 Series, GA502 Series</td>
<td>192108-B 3/4&quot; x 10' Connector Hose</td>
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<td>9557 Series, 956 Series, GA502 Series</td>
<td>192108-A 3/4&quot; x 10' Connector Hose</td>
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<td>9557 Series, 956 Series, GA502 Series</td>
<td>195236-5 4-1/2&quot; / 5&quot; Dust Extraction Surface Grinding Shroud</td>
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<tr>
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<td>PC5000C, PC5001C, PC5010C</td>
<td>Integrated</td>
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<td>192108-A 3/4&quot; x 10' Connector Hose</td>
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<td>X0301, X0706</td>
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<td>193449-2 Dust Extraction Cut-Out Bazer</td>
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</tbody>
</table>

**Additionally HEPA filtered vacuum is required when cleaning holes.**

**Compliant under Option 2, Objective Data of the OSHA standard for Occupational Exposure to Respirable Crystalline Silica (rule 1926.1153) when dust extractor is operated with the tested tool model and operated under conditions tested by Makita®. To see the test procedures go to makitatools.com/dustmanagement.**

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**COMPLIANCE STARTS WITH MAKITA®**

**HELPING YOU MANAGE CONCRETE DUST AND OSHA COMPLIANCE**

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