



BOSCH

MAKE DUST HISTORY

2025 Reference Guide

PRO+GUARD™ Dust Solutions for Concrete
Drilling, Demolition, Grinding and Cutting



DON'T LET DUST GET IN YOUR WAY



IMPROVED PERFORMANCE, FASTER CLEANUP

Move Toward OSHA Compliance with
Bosch PRO+GUARD™ Dust Solutions



- + Largest selection of integrated components – power tools, attachments, accessories and dust extractors – designed to effectively control dust
- + With more than 80 years of service to concrete professionals, Bosch is the innovator and leader in delivering results
- + Airborne silica dust-control systems help users move toward OSHA silica dust compliance

OSHA COMPLIANT DUST SOLUTIONS FOR CONCRETE DRILLING, DEMOLITION, GRINDING AND CUTTING

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MAXIMIZE PERFORMANCE & COMPLIANCE

Dust Control Systems

A strong system begins with the application. Bosch offers the power tool industry's largest dust solution lineup under the PRO+GUARD™ line.

HIGH PRODUCTIVITY

The key component in an OSHA-compliant dust management system is a professional-grade dust extractor. Bosch dust extractors provide best-in-class CFM (cubic feet per minute) along with high suction power for maximum productivity.



AUTO FILTER CLEANING

Bosch filter technology reverses air flow every 15 seconds to keep the filter clean for longer life.



Move Toward OSHA Compliance with PRO+GUARD™ Dust Solutions



APPLICATION BASED SOLUTIONS

From grinding to demolition, Bosch offers the most effective dust-removal accessories and attachments per application.



RESPIRATION

Use of a respirator is dependent upon the application and equipment used. Respirators that filter contaminants provide a final line of defense in protecting the user.



CLEAN UP

The OSHA-compliant dust management system ends with a collection bag designed to keep the dust in the bag vs. in the canister. Bosch relies on fleece filter bags to help safeguard users from additional silica dust exposure when changing the bag.



DANGERS OF SILICA EXPOSURE

BREATHE EASIER

The Center for Construction Research and Training explains the danger of silica exposure.

What is crystalline silica?

Silica, often referred to as quartz, is a common mineral. It's found in many materials common on construction sites, including soil, sand, concrete, masonry, rock, granite and landscaping materials. The dust created by cutting, grinding, drilling or otherwise disturbing these materials can contain crystalline silica particles; dust particles so small they're invisible to the naked eye. When inhaled, even in very small amounts, silica dust can cause serious health hazards. Each exposure to silica adds to lung damage.

What is silicosis?

Silicosis is a disabling, irreversible and sometimes fatal lung disease. When a worker inhales crystalline silica, the lungs react by developing hard nodules and scarring around the trapped silica particles. If the nodules become too large, breathing becomes difficult and death can result. There is no cure for this disease, but it's 100% preventable.



ARE YOU AT RISK?

If you do the following to concrete, mortar, sand, rock, masonry and some paints:

- ▶ Cut or saw
- ▶ Grind
- ▶ Jackhammer
- ▶ Crush or demolish
- ▶ Abrasive or sand blast

Then the answer is YES!

Why it's deadly

Inhaling crystalline silica can lead to serious, sometimes fatal, illnesses including silicosis, lung cancer, tuberculosis (in those with silicosis) and chronic obstructive pulmonary disease (COPD). In addition, silica exposure has been linked to other illnesses including renal disease and other cancers. In 1996, the International Agency on Cancer (IARC), the specialized cancer agency of the World Health Organization (WHO), identified crystalline silica as a "known human carcinogen." The agency reaffirmed its position in 2009.¹ The American Thoracic Society and the American College of Occupational and Environmental Medicine also have recognized the adverse health effects of exposure to crystalline silica, including lung cancer.

For more information regarding silica exposure or OSHA rulings, please visit CPWR's website silica-safe.org



¹ The Center for Construction Research and Training, www.silica-safe.org, "Frequently Asked Questions."

PROTECT YOURSELF & YOUR EMPLOYEES

The Occupational Safety and Health Administration (OSHA) has issued a final rule to help curb lung cancer, silicosis, chronic obstructive pulmonary disease and kidney disease in American workers by limiting their exposure to respirable crystalline silica.

Ensure Jobsite Compliance

According to OSHA's website, the good news is that silicosis is 100% preventable. While using power tools with a dust attachment/accessory and dust extractors with the right filter, exposure to silica can be drastically reduced.

Key Provisions

- ▶ Reduces the permissible limit (PEL) to 50 $\mu\text{g}/\text{m}^3$ (micrograms of silica per cubic meter of air) averaged over an eight-hour day.
- ▶ Requires employers to use:
 - Engineering controls (such as water or ventilation) to limit worker exposure to respirable silica dust 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
 - Train workers on silica risks and how to limit exposures
 - Provide medical exams to monitor highly exposed workers and give them information about their lung health
- ▶ Establish and implement a written exposure control plan to identify tasks that involve exposure and methods used to protect workers, including procedures to restrict access to work areas where high exposures may occur. Also, employers need to designate someone in the company to implement the written exposure control plan.
- ▶ Provides flexibility to help employers—especially small businesses—protect workers from silica exposure.



KNOW THE FACTS



Two ways to comply with the OSHA silica dust regulation

1 OSHA TABLE 1



METHODS OF COMPLIANCE

Engineering and work practice controls.
Supplement with respiration as required by the regulation.

2 PARAGRAPH D

TASKS NOT LISTED IN
TABLE 1 OR WHEN TABLE 1
CAN'T BE USED.



OBJECTIVE
DATA^a
PERFORMANCE
TESTING



MONITOR
EXPOSURE^b
Scheduled air
monitoring



Source: US Occupational Safety and Health Administration
(<https://www.osha.gov/silica/Table1sect1926.1153.pdf>)

(a) Needs to be based on approved air monitoring equipment
(b) Should accurately reflect employee exposure

In order to move toward compliance and protection, it's critical that every component in the system be designed to effectively remove dust. Bosch offers the power tool industry's widest selection of dust management solutions based on application.



1. CHOOSE THE TOOL THAT BEST FITS YOUR NEEDS



2. IDENTIFY THE CORRECT ATTACHMENT THAT FITS YOUR TOOL



3. CHOOSE A HEPA READY DUST EXTRACTOR WITH THE HIGHEST CFM AND MEETS EPA GUIDELINES



4. DETERMINE THE RESPIRATOR FOR YOUR APPLICATION (REFER TO THE OSHA TABLE 1)*

For suggested respiratory protection and other personal protective equipment, go to 3M.com/OSHASilica

*OSHA Rule 1926.1153 Table 1



TOOL

Dust collection systems are available for Bosch grinders and hammers. Dust solutions are also available for hammer drills, routers, oscillators, jig saws, circular saws, miter saws, table saws, sanders and planers. Please see www.boschtools.com for more information.

ATTACHMENT

Bosch dust collection attachments and accessories are custom engineered to provide maximum performance while preserving the full functionality of the tool.

DUST EXTRACTORS

Bosch dust extractors are rated as high as 300 CFM (cubic feet per minute), with some offering features such as HEPA filtration and automatic filter cleaning.

RESPIRATION

Respirators provide protection by filtering contaminants the user breathes. If needed for the application being performed, respirators of this type include particulate respirators, that filter out airborne particles and air-purifying respirators with cartridges/canisters that filter out chemicals and gases.

DUST COLLECTION CATALOG

CONCRETE DRILLING & ANCHORING



BASED ON OSHA SILICA TABLE 1—DRY DRILLING WITH HANDHELD AND STAND-MOUNTED DRILLS (Including Impact and Rotary Hammer Drills)

CHOOSING THE RIGHT SYSTEM

Find Your	Tool	Attachment or Accessory	On Tool Dust Extractor	Respiration	OSHA Silica Compliant*
SDS-plus® Rotary Hammers		None		None	✓
	18V GBH18V-24, GBH18V-28C, GBH18V-22		GDE18V-16, GDE18V-12		
18V		None		None	✓
	GBH18V-26D				
Corded		None		None	✓
	11255VSR, GBH2-28L				
18V		None		None	✓
	GBH18V-28DC		GDE28D		

* Based on objective data

DUST COLLECTION CATALOG

CHOOSING THE RIGHT SYSTEM

Find Your	Tool	Attachment or Accessory	Filter & Dust Extractor	Respiration	OSHA Silica Compliant
Hammer Drills		HDC200 			✓
Corded	1191VSR, HD18-2				
18V	GSB18V-65, GSB18V-800C, GSB18V-975C, GSB18V-1330C				
SDS-plus® Rotary Hammers		SDS-plus® Only Works with SDS-plus® hammers except RH432VCQ HDC100 			
3/4"-1-1/8" Bulldog™	11255VSR, GBH2-28L, GBH18V-28C, RH328VC		VAC140AH		✓
18V	GBH18V-22, GBH18V-24C, GBH18V-26D, GBH18V-28C, GBH18V-28DC				
18V	GBH18V-34CQ	SDS-plus® Only Works with SDS-plus® hammers and bits up to 5/8 In. OR HDC50 		None	
		Universal Attachment OR HDC200 	VAC090AH		
SDS-max® Rotary Hammers		Universal Dust Extraction HDC200, HDC250 			✓
18V	RH540M, 11264EVS, RH850VC, RH745, RH1255VC GBH18V-36C, GBH18V-45C, GBH18V-40C		GAS18V-3*		
Spline	RH540S, 11265EVS				

* For use with drilling and cleanup applications only. Not to be used for chipping or grinding applications.

GDE28D



DUST-EYE

Supplies a target for easier drilling with attachment

1-1/8 In. Dust Eye and 4 In. Extension



FILTER CLEANING MECHANISM

Turning the knob helps remove excess dust and debris from the HEPA filter

DUST BOX EMPTY FLAP

Simply open the flap on the back of the dust extraction unit to easily remove dust

ALUMINUM GUIDE RAIL

Provides smooth retraction of the Dust Eye during the drilling application

REMOVABLE DUST CONTAINER

Provides capacity for up to 20 holes using a 1/2 In. diameter bit drilling 1-1/2 In. deep into concrete

HEPA FILTER

Allows users to move toward OSHA silica dust regulation compliance



AUTO-POWER ON

Delivers power to the attachment when the user pulls the hammer trigger



TRANSPARENT DUST CONTAINER

Permits monitoring of actual dust level

MOBILE DUST EXTRACTOR DESIGN

Built to deliver maximum mobility used with the Bosch cordless GBH18V-28DC Bulldog™

TOOL BATTERY COMPATIBLE

Mounts to the tool, allowing the use of the hammer's fan when in use, so no additional battery required





SDS-plus® DUST-COLLECTION ATTACHMENT **GDE28D**



- ▶ Two Dust-Eyes and a 4 In. Extension- Available in 5/8 In. and 1-1/8 In. sizes for use with bit 5/32 In. to 1-1/8 In. in diameter and up to 10 In. in length
- ▶ Removable Dust Container—Provides capacity for up to 20 holes using a 1/2 In. diameter bit drilling 1-1/2 In. deep into concrete
- ▶ HEPA Filter—Allows users to move toward OSHA silica dust regulation compliance

INCLUDES

Dust Container
 HEPA Filter
 5/8 In. Dust Eye
 1-1/8 In. Dust Eye
 4 In. Extension

Specifications	
Maximum Bit Diameter	Up to 1-1/8"
Maximum Drill Depth	3.9"
Automatic On/Off	Yes
HEPA Filter	Yes
Height	7.5"
Length	13.6"
Weight	1.8 lbs.



INTEGRATED DUST EXTRACTOR **GDE18V-12**



- ▶ Mobile dust extractor design – Built to deliver maximum mobility used with the Bosch 18V GBH18V-22 Bulldog™ rotary hammer
- ▶ HEPA filter – Allows users to move toward OSHA silica dust regulation compliance
- ▶ 1/2 In. Dust Eye – For use with bits up to 1/2 In. in diameter
- ▶ Aluminum guide rail – provides smooth retraction of the Dust Eye during the drilling application

INCLUDES

GDE18V-12 SDS-plus® 1/2 In. Dust Collection Attachment
 HEPA Filter
 Dust Container
 1/2 In. Dust Eye
 (2) Dust Eye Brush Rings

Specifications	
Maximum Bit Diameter	1/2"
Maximum Drill Depth	3.9"
Automatic On/Off	Yes
HEPA Filter	Yes
Height	6"
Length	11.25"
Weight	2.5 lbs.

SDS-PLUS® BULLDOG™ MOBILE DUST EXTRACTOR

GDE18V-26D

**TWO DUST-EYES AND 4 IN. EXTENSION**

Available in 5/8 In. and 1 In. sizes for use with bits 5/32 In.–1 In. in diameter and up to 10 In. in length

3.9 IN. OF DRILLING DEPTH

For a wide variety of mechanical anchors

HEPA FILTER

Captures 99.97% of particles .3 microns or larger

**ALUMINUM GUIDE RAIL**

Provides smooth retraction of the Dust Eye during the drilling application

REMOVABLE DUST CONTAINER

Easy-to-remove canister for straightforward clean out

180° SIDE HANDLE

Provides a variety of grip positions for maximum ergonomics; required for mounting the dust extractor to 2kg D-handle Bulldog™ hammers

COMPATIBLE WITH BOSCH 2KG D-HANDLE HAMMERS

Designed to fit 1 In. 1125VSR and 1-1/8 In. GBH2-28L and RH228VC corded models, as well as the 1 In. 18V GBH18V-26D cordless model

DRILLING CAPACITY

Provides capacity for up to 20 holes using a 1/2 In. diameter bit drilling 2 In. deep into concrete

INSPECTION WINDOW

Transparent window to check actual dust level

FLEXIBLE POWER SYSTEM

Compatible with all Bosch 18V Lithium-ion batteries

FIVE-LED BATTERY INDICATOR

Provides battery charge and ON/OFF status

ON/OFF BUTTON

SDS-plus® BULLDOG™ MOBILE DUST EXTRACTOR

GDE18V-26DN



- Designed to fit 1 In. 1125VSR and 1-1/8 In. GBH2-28L and RH228VC corded models, as well as the 1 In. 18V GBH18V-26D cordless model
- For bits up to 1 In. diameter and 10 In. long; with a 5/8 In. and a 1 In. diameter Dust-Eye
- Dust Container—Provides capacity for up to 20 holes using a 1/2 In. bit drilling 2 In. deep into concrete
- HEPA Filter—So users can move toward OSHA silica dust regulation compliance
- Flexible Power System—Compatible with all Bosch 18V Lithium-ion batteries

INCLUDES

Dust Container
HEPA Filter
Auxiliary Handle
5/8 In. Dust Eye
1 In. Dust Eye
4 In. Extension



1 In. Dust Eye and
4 In. Extension

Specifications	
Maximum Bit Diameter	1"
Maximum Drill Depth	3.9"
Automatic On/Off	No
HEPA Filter	Yes
Height	6.75"
Length	13.6"
Weight	3.6 lbs.



GDE18V-16

18V



DRILL BIT ADJUSTMENT

Positions Dust Eye depending on drill bit length, up to 6-1/2 In.

DUST EYE

Supplies a target for easier drilling with attachment

AUTO-POWER ON

Delivers power to attachment when the user pulls the hammer trigger



ALUMINUM GUIDE RAIL

Furnishes a maximum drilling depth of up to 3.93 In.

HEPA FILTER

Captures 99.97% of particles .3 microns or larger



TOOL BATTERY POWER INTEGRATION

Connects to the terminals on the front of the tool, allowing use of hammer battery

BOSCH PRO+GUARD™

Provides dust-protection solutions to help users move toward compliance with the OSHA silica dust regulation



INSPECTION WINDOW

Transparent window to check actual dust level

REMOVABLE DUST CONTAINER

Provides dust capacity for over 40 holes a 1/4 In. bit drilling 6 In. of concrete



SDS-plus® DUST COLLECTION ATTACHMENT

GDE18V-16

18V



- ▶ Attaches to GBH18V-26 Rotary Hammer—Provides a self-contained dust solution for maximum mobility
- ▶ Auto Power-On Feature—Delivers power to attachment when the user pulls the hammer trigger
- ▶ Two-Second Power-Off Delay—Delays the auto-power-off to collect remaining dust
- ▶ HEPA Filter—So users can move toward OSHA silica dust regulation compliance

INCLUDES

Dust Eye Brushes **1600A00D2R**
 Dust Container
 HEPA Filter

Specifications	
Maximum Bit Diameter	5/8"
Maximum Drill Depth	3.9"
Automatic On/Off	Yes
HEPA Filter	Yes
Height	6.0"
Length	14.4"
Weight	2.6 lbs.

HEPA FILTER



Item #	Description
DF18V-16	HEPA filter for GDE18V-16 and GDE18V-26D SDS-plus® dust collection attachments

SDS-PLUS® BLUECOLLAR™ UNIVERSAL DUST COLLECTION ATTACHMENT

HDC50

BLUECOLLAR™



DUST COLLECTION

Captures most drilling dust compared to standard drilling without a dust attachment



COMPACT DESIGN

Allows drilling in tight spaces and fits in toolbox or hammer case



HOSE SUPPORT ARM

Connects at tool handle for secure fit



REUSABLE TIES

Allows user to tuck hose next to tool for unimpeded drilling



UNIVERSAL INSTALLATION

Slides over the SDS-plus® drill bit, up to 5/8 In.



QUICK CONNECT

Attaches to Bosch vacuums with snap-in fit for ease of movement from hole to hole



SDS-plus® BLUECOLLAR™ UNIVERSAL DUST COLLECTION ATTACHMENT

HDC50



BLUECOLLAR™



- BlueCollar™ Universal Dust-Collection Attachment—Provides excellent dust collection when drilling masonry with SDS-plus® hammers
- Dust Reduction—Captures most drilling dust compared to standard drilling without a dust attachment
- Bosch Quick Connect System—Hose attached to Bosch vacuums with quick connection
- Universal Installation—Slides over SDS-plus® drill bits, up to 5/8 In. in diameter

INCLUDES

Hose Handle Attachment
Vacuum Hose Clamp
(2) Reusable Ties



UNIVERSAL DUST EXTRACTION ATTACHMENTS

- ▶ Dust extraction attachments for drilling holes in concrete and masonry
- ▶ Can be used with a wide variety of drill bit diameters and bit lengths
- ▶ For use with any SDS-max® or SDS-plus® combination/rotary hammer
- ▶ Includes adapter VAC020



HDC200 HDC250

Item #	Description
HDC200	Optimized for 1/4"-1-3/8" diameter. Maximum hole diameter is 2-5/8"
HDC250	Optimized for 2-1/4"-5" diameter. Maximum hole diameter is 6"

*Brush ring needs to be removed

SDS-plus® DUST EXTRACTION ATTACHMENT

- ▶ Attaches to tool and vacuum cleaner hose to provide excellent dust collection when drilling and chipping
- ▶ For use with bits up to 3/4" in diameter for extracting fine dust
- ▶ Built-in depth gauge
- ▶ Compatible with Bosch SDS-plus® rotary hammers:
 - **Bulldog™**: 11253VSR, 11255VSR, RH228VC, GBH2-28L, RH328VC, RH328VCQ
 - **18V**: RHH181, GBH18V-20, GBH18V-26, GBH18V-26D
 - **36V**: 11536VSR, 11536-C, RH328VC-36



Item #	Description
HDC100	SDS-plus® depth control dust extraction unit



BLUECOLLAR™

The Bosch HDC50 BlueCollar™ Attachment provides excellent dust collection when drilling masonry with SDS-plus® hammers and drill bits up to 5/8 In. The attachment captures most drilling dust compared to standard drilling without a dust attachment, and it's universal, fitting several hammer brands and all brands of SDS-plus® bits up to 5/8 In.

CONCRETE CHISELING & DEMOLITION



BASED ON OSHA SILICA TABLE 1—DAY CHISELING/DEMOLITION WITH JACKHAMMERS AND HANDHELD POWERED CHIPPING TOOLS

CHOOSING THE RIGHT SYSTEM

Find Your	Tool	Attachment or Accessory	Filter & Dust Extractor	Respiration	OSHA Silica Compliant
Large Hammers (Chisel Mode Only) SDS-max® 18V SDS-max® Corded Spline	 GBH18V-36C, GBH18V-45C 11264EVS, RH540M, RH850VC, RH745, RH1255VC RH540S, 11265EVS	 HDC300**	 VAC090AH	Needed when used indoors Needed when used outdoors >4 hours/shift  APF 10* (N95) or  RR 6500* (P95)	✓
SDS-max® Corded Demo Hammers SDS-max® 18V Demo Hammer	 11316EVS, 11321EVS, DH507, DH712VC, DH1020VC GSH18V-5L	 HDC300**	 VAC140AH	APF 10* (N95) or RR 6500* (P95)	✓
Demo/Breaker Hammers	 BH2770VC, BH2760VC, 11335K, DH1020VC (SDS-max®)	 HDC400**	 VAC140AH	RR 6500* (P95)	✓

*3M™ Particulate Respirator 8210V & 3M™ SDS-max® Rugged Comfort™ Half Face Respirator 6500 Series shown. For suggested respiratory protection and other personal protective equipment, go to 3M.com/OSHASilica **Can be used with air hammers

CHISELING DUST EXTRACTION ATTACHMENT

- ▶ Dust extraction attachment for chiseling into concrete/masonry. For best results, keep the attachment within 3 in. of the bit tip
- ▶ For use with Bosch SDS-max® and hammers
- ▶ Toolless Installation—Installs easily and quickly without additional tools
- ▶ Accommodates a variety of chisel lengths; easily change out chisels without removing the attachment
- ▶ Can be used with air hammers



Item #
HDC300

Includes
Extension tube and (3) adapter pieces

DEMO/BREAKER HAMMER DUST EXTRACTION ATTACHMENT

- ▶ Toolless Installation—Installs easily and quickly without additional tools
- ▶ Accommodates a variety of chisel lengths; easily change out chisels without removing the attachment
- ▶ Can be used with air hammers



Item #
HDC400

Description
Hammer dust collection attachment for demolition applications



DUST COLLECTION CATALOG

CONCRETE SURFACE GRINDING



BASED ON OSHA SILICA TABLE 1—HANDHELD GRINDERS FOR USES OTHER THAN MORTAR REMOVAL (I.E., CONCRETE SURFACING)

CHOOSING THE RIGHT SYSTEM

Find Your	Tool	Attachment or Accessory	Filter & Dust Extractor	Respiration	OSHA Silica Compliant
Concrete Surfacing	 CSG15	Not required			✓
Small Angle Grinders			VAC090AH	Needed when used indoors Needed when used outdoors >4 hours/shift	✓
4-1/2"-6"	GWS10-45-Series, GWS14-50 - Series, GWS14-60 - Series, GWS11-450P, GWS12-450PBD	Surfacing: 18SG-5E (5")			
18V 4-1/2"-6"	GWS18V-8, GWS18V-10, GWS18V-10P, GWS18V-13C, GWS18V-13PC		VAC140AH	APF 10* (N95)	
7" Grinders	 1772-6, 1974-8, 1974-8D		Use dust extractor with 175+ CFM. 	or 	✓
9" Grinders	 1893-6, 1994-6D	Surfacing: 18SG-7 (7")	GAS20-17AH (300CFM)	RR 6500* (P95)	✓

*3M™ Particulate Respirator 8210V & 3M™ Rugged Comfort™ Half Face Respirator 6500 Series shown. For suggested respiratory protection and other personal protective equipment, go to [3M.com/OSHASilica](https://www.3m.com/OSHASilica)



**BASED ON OSHA SILICA TABLE 1—HANDHELD GRINDERS FOR MORTAR REMOVAL
(I.E., TUCKPOINTING)**
CHOOSING THE RIGHT SYSTEM

Find Your	Tool	Attachment or Accessory	Filter & Dust Extractor	Respiration	OSHA Silica Compliant
Tuckpointer 5"	 GWS13-52TG	Not required	 VAC090AH	 ≤4 hours/shift	✓
Small Angle Grinders 4-1/2"-5" 18V 4-1/2"-5"	 GWS14-50 Series, GWS10-45 Series, GWS18V-13C, GWS18V-13P, GWS18V-10, GWS18V-10P, GWS18V-8	 Cutting: GA50DC (5")	 VAC140AH	 APF 25*	✓

*APF 10–3M™ Rugged Comfort™ Half Face Respirator 6500 Series and the APF25–3M™ Versaflo™ PAPR Respiratory System with Hardhat Assembly M-307 shown. For suggested respiratory protection and other personal protective equipment, go to [3M.com/OSHASilica](https://www.3m.com/OSHASilica)

DUST COLLECTION CATALOG

CONCRETE CUTTING



BASED ON OSHA SILICA TABLE 1—HANDHELD GRINDERS FOR USES OTHER THAN MORTAR REMOVAL (I.E., CONCRETE CUTTING)

CHOOSING THE RIGHT SYSTEM

Find Your	Tool	Attachment or Accessory	Filter & Dust Extractor	Respiration	OSHA Silica Compliant
Small Angle Grinders					
4-1/2"-5"	GWS10-45-Series, GWS14-50-Series, GWS11-450P, GWS12-450PBD	18DC-5E	VAC090AH	Needed when used indoors Needed when used outdoors >4 hours/shift	✓
18V 4-1/2"-5"	GWS18V-8, GWS18V-10, GWS18V-10P, GWS18V-13C, GWS18V-13PC				
XLOCK	GWX10-45-Series, GWX14-50PBD, GWX14-60PBD, GWX18V-8, GWSX18V-10P, GWSX18V-13PC, GWSX18V-13C	Cutting: GA50DC (5")			
6" Grinders			VAC140AH	APF 10* (N95)	
	GWS14-60-Series	18DC-6E (6")		or	
7" Grinders			Use dust extractor with 175+ CFM		✓
	1772-6, 1974-8, 1974-8D	Cutting: 19DC-7 (7")		RR 6500* (P95)	
9" Grinders			GAS20-17AH (300 CFM)		✓
	1893-6, 1994-6D	Cutting: 19DC-9 (9")	Use dust extractor with 225+ CFM		

*3M™ Particulate Respirator 8210V & 3M™ Rugged Comfort™ Half Face Respirator 6500 Series shown. For suggested respiratory protection and other personal protective equipment, go to [3M.com/OSHASilica](https://www.3m.com/OSHASilica)

SURFACING/DUST COLLECTION ATTACHMENTS



Type 1A (ISO 41) with Foot



GA50DC



Type 1A (ISO41) with Foot

Item #	Description
18DC-6E	6" dust collection attachment compatible with 6" small angle grinders: GWS13-60/PD, AG series and 1800 series
GA50DC*	5" dust collection attachment compatible with 4-1/2" and 5" small angle grinders: GWS10-45/P/PD, GWS13-50/VS/VSP/P/PD, AG series and 1800 series; 18V cordless grinders: GWS18V-45C/PC/PSC; X-LOCK grinders: GWX10-45E/PE/DE, GWX13-50/VSP, GWX18V-50PC

*Not compatible with 1375, GWS 8-Series, GWS 9-Series small angle grinders.

Item #	Description
19DC-7	7" dust-extraction guard
19DC-9	9" attachment

SURFACING/DUST COLLECTION ATTACHMENTS



Item #	Description
18SG-5E* 5" Shroud	5" concrete surfacing attachment compatible with 4-1/2" and 5" small angle grinders. Includes Brush Rings Set 2605510226



Item #	Description
18SG-7 7" Shroud	7" concrete surfacing attachment. Includes Brush Rings Set 2610002854

TUCKPOINTING ATTACHMENT



Item #	Description
TG503	5" tuckpoint attachment compatible with 4-1/2" and 5" small angle grinders

The Bosch GAS20-17AH Wet/Dry Dust Extractor is an industrial-grade powerhouse with a maximum 300 CFM capacity that filters fine dust, coarse dirt and liquids. The GAS20-17AH boasts 17-gallon capacity and auto filter cleaning with HEPA filter, which provides a complete package to help users move toward OSHA silica dust regulation compliance.



150-CFM DUST EXTRACTORS

150 CFM

AUTOMATIC FILTER CLEANING (AFC)

Activates every 15 seconds allowing the flat pleated filter to be cleaned through a reversed airflow



POWERFUL 120-VOLT MOTOR

Allows effective dust extraction at an airflow of 150 CFM

POWER TOOL ACTIVATION

POWER BROKER DIAL

For allocating power between vacuum cleaner and connected power tool

WET-VACUUMING WATER LEVEL SENSOR

Automatically shuts down vacuum when water reaches a maximum height to protect motor



AUTOMATIC FILTER CLEANING ON/OFF BUTTON



EASY-TO-CHANGE HEPA FILTER



HOSE AND CORD STORAGE

- ▶ Secure vacuum hose wrap
- ▶ Power cord hook



ROBUST WHEELS

- ▶ Jobsite tested rear wheels
- ▶ Front casters with brakes

*Shown VAC140AH
 14-Gallon Dust Extractor

GCA30-42K BLUETOOTH® DUST CONTROL AUTO-START SYSTEM

OPEN SYSTEM COMPATIBILITY

Provides the ability to be utilized with Bosch or competitor 18V tools and corded dust extractors

LED STATUS INDICATOR

Visibly identifies the connection strength between the receiver and the transmitter, even in low-light work environments



IP54 PROTECTION

Offers dust and water protection in tough jobsite environments

VIBRATION DETECTION SENSOR

Detects when the 18V power tool is turned on or off

REMOTE CONTROL BUTTON

Allows the transmitter to manually start or stop the dust extractor





9-GALLON DUST
EXTRACTOR WITH
AUTO FILTER
CLEANING/HEPA
FILTER/FLEECE
FILTER BAG

VAC090AH



- ▶ Automatic Filter Cleaning—Cleans filter every 15 seconds to maintain maximum suction power
- ▶ Power Tool Activation—Allows power tool switch to turn vacuum on and off
- ▶ Power Broker Dial—For allocating power between vacuum and connected power tool; also allows suction control for specialty applications
- ▶ Durable Wheels and Casters (One Locking)—Built to withstand the demands of a jobsite

INCLUDES

Fleece Filter Bag **VB090F**
Anti-Static Bend Nozzle **VX100**
10 Ft. Hose **VH1035**
Power Tool Adapter Nozzle **VX120**
HEPA Filter

	Specifications
Amperage	9.5-7.5*
Rating	120V
Frequency	60 Hz
Canister Volume (Gross)	9.0 gallon
Airflow (Max.)	150 CFM (70 ltr./sec.)
Static Water Life (Max.)	97"
No. of Filter Cartridges	1
Sound Pressure Level	71 db
Hose Length	10.0 ft.
Hose Port Inside Diameter	2-1/4"
Height	22.7"
Weight	28.0 lbs.

*Depending on Power Broker setting



14-GALLON DUST
EXTRACTOR WITH
AUTO FILTER
CLEANING/HEPA
FILTER/FLEECE
FILTER BAG

VAC140AH



- ▶ Automatic Filter Cleaning—Cleans filter every 15 seconds to maintain maximum suction power
- ▶ Power Tool Activation—Allows power tool switch to turn vacuum on and off
- ▶ Power Broker Dial—For allocating power between vacuum and connected power tool; also allows suction control for specialty applications
- ▶ Metal Frame, Rubber Wheels and Casters (One Locking)—Built to withstand the demands of a jobsite

INCLUDES

Fleece Filter Bag **VB140F**
Anti-Static Bend Nozzle **VX100**
10 Ft. Hose **VH1035**
Power Tool Adapter Nozzle **VX120**
HEPA Filter

	Specifications
Amperage	9.5-7.5*
Rating	120V
Frequency	60 Hz
Canister Volume (Gross)	14.0 gallon
Airflow (Max.)	150 CFM (70 ltr./sec.)
Static Water Life (Max.)	97"
No. of Filter Cartridges	1
Sound Pressure Level	71 db
Hose Length	10.0 ft.
Hose Port Inside Diameter	2-1/4"
Height	34.1"
Weight	38.0 lbs.

*Depending on Power Broker setting

DUST EXTRACTORS

17-GALLON 300-CFM DUST EXTRACTOR

GAS20-17AH

300 CFM



CUP HOLDER

Securely holds fluid container for user's beverage of choice while on the jobsite

HEPA FILTER

Captures 99.97% of particles .3 microns or larger

AUTO FILTER CLEANING

Cleans every 15 seconds for consistent suction power and extends filter life

17-GALLON CANISTER

For handling heavy-duty jobs

CANISTER LOCK/UNLOCK

Allows canister to be emptied without lifting the dust extractor

Y-CONNECT (SOLD SEPARATELY)

Allows use of two 5 In. angle grinders with one dust extractor



STANDARD 20-AMP PLUG

Provides wide jobsite coverage and convenience

HOSE CONTAINMENT

For convenient hose storage

16 FT. ANTI-STATIC HOSE

Extends effective work area and helps mitigate static electricity

HOSE AND CORD STORAGE

- Secure vacuum hose wrap
- Power cord hook

WET/DRY OPERATION WITH WATER LEVEL SENSORS

Sensors help prevent overfilling of canister

WHEELED METAL FRAME/CASTORS

Easy transport and stability to withstand demands of the jobsite

PUSH HANDLE WITH FOLD DOWN CAPABILITY

For jobsite mobility and convenient storage

DRAIN HOSE

Provides easy drainage after vacuuming wet materials

SUCTION TUBES/FLOOR NOZZLE

For vacuuming up dust and debris at the jobsite



17-GALLON 300-CFM DUST EXTRACTOR

GAS20-17AH



- ▶ Impressive 300-CFM Air-Flow Capability—Features high-performance CFM for maximum dust extraction in heavy-duty concrete construction applications
- ▶ Powerful 17.5 Amp Motor—Delivers strong extraction performance for extreme commercial applications
- ▶ Automatic Filter Cleaning—Cleans filter every 15 seconds for consistent suction power
- ▶ Three-Layer Heavy-Duty Filter Bag—Helps protect the filter from abrasive materials and provides the optimal containment of dry dust and debris
- ▶ Wet/Dry Operation with Water-Level Sensor and Drain Hose—Sensors automatically prevent overfilling and hose provides easy drainage

INCLUDES

HEPA Filter **VF430H**
Heavy-Duty Three Layer Filter Bag **VB170**
16 Ft. Anti-Static Hose **VH1635A**
Elbow/Bend **VX100**
Suction Tubes/Floor Set **VX460**

Specifications	
Amps	17.5
CFM	300
Water Lift	96
Filter	HEPA
Filter Cleaning	Auto (15 sec)
Hose	16 ft. Anti-static
Canister	17.0 gallon
Height (w/Chassis)	35"
Weight	63.0 lbs.

18 VOLT VACUUM CLEANER

18V 2.6-GALLON WET/DRY VACUUM CLEANER*

GAS18V-3N**

18V



- ▶ Rotational Airflow Technology—Produces sustained suction
- ▶ Outstanding Runtime—Operates efficiently to deliver up to four minutes per battery Amp hour (Ah)
- ▶ Powerful Cordless Motor—Delivers up to 51 CFM (cubic feet per minute) of airflow
- ▶ Compact Design—Vacuum weighs only 10.2 Lbs. (tool with attachments only, not including battery)

INCLUDES

Washable HEPA Filter **VF320H**
5.25 Ft. Hose **1600A011RL**
Bend/Elbow **1600A011RN**
(3) Extension Tubes **1600A011RP**
Floor Nozzle **1600A011RR**
Crevice Nozzle **1600A011R**

*Battery/charger sold separately

**For use with drilling and cleanup applications only. Not to be used for chipping or grinding applications.

Specifications	
Rating	18V
Max. Static Water Lift	36"
Max. Airflow	51 CFM
Net Capacity	1.6 Gal.
Typical Runtime	4 min. per Ah
Height	14.3"
Width	17.4"
Length	13.2"
Weight (bare tool)	10.2 lbs.



The Bosch L-Boxx tool storage system makes organization of additional fleece bags, dust management attachments and personal protective equipment easy. The Bosch Click & Go® system ensures attachment to any Bosch dust extractor is convenient and secure for quick transport.

9-GALLON PRO+GUARD™ DRILLING KIT

GXA3-01L



- ▶ HEPA Filter—Captures 99.97% of particles larger than 0.3 microns
- ▶ Fleece Dust Filter Bag Design—Works as a preliminary filter and a secure way to capture debris and dust to extend the life of the main filter
- ▶ Dust-Extraction Attachment for Concrete Drilling—Optimized for drilling diameters from 5/8 In. to 1-3/8 In.; accommodates up to 2-1/2 In. by removing brush ring
- ▶ Drilling Attachment Dust Port—Fits Bosch 1-3/8 In. vacuum nozzle and can convert to 1-1/4 In./2 In. hose nozzles
- ▶ L-Boxx Dust Extractor Integration—Creates a mobile workstation for easier portability
- ▶ Upgraded One-Click Stacking—Easily lock tool cases together in seconds for secure transport and handling

INCLUDES

HEPA Filter **VF130H**
 (5) 9-Gallon Fleece Filter Bag **VB090F**
 Dust Collection Attachment **HDC200**
 Carrying Case **L-BOXX-3**

14-GALLON PRO+GUARD™ DRILLING KIT

GXA3-02L



- ▶ HEPA Filter—Captures 99.97% of particles larger than 0.3 microns
- ▶ Fleece Dust Filter Bag Design—Works as a preliminary filter and a secure way to capture debris and dust to extend the life of the main filter
- ▶ Dust-Extraction Attachment for Concrete Drilling—Optimized for drilling diameters from 5/8 In. to 1-3/8 In.; accommodates up to 2-1/2 In. by removing brush ring
- ▶ Drilling Attachment Dust Port—Fits Bosch 1-3/8 In. vacuum nozzle and can convert to 1-1/4 In./2 In. hose nozzles
- ▶ L-Boxx Dust Extractor Integration—Creates a mobile workstation for easier portability
- ▶ Upgraded One-Click Stacking—Easily lock tool cases together in seconds for secure transport and handling

INCLUDES

HEPA Filter **VF130H**
 (5) 14-Gallon Fleece Filter Bag **VB140F**
 Dust Collection Attachment **HDC200**
 Carrying Case **L-BOXX-3**



9-GALLON PRO+GUARD™ SURFACING KIT **GXA4-01L**



- ▶ HEPA Filter—Captures 99.97% of particles larger than 0.3 microns
- ▶ Fleece Dust Filter Bag Design—Works as a preliminary filter and a secure way to capture debris and dust to extend the life of the main filter
- ▶ 16 Ft. Anti-Static Hose—Helps prevent static shock and cling
- ▶ L-Boxx Dust Extractor Integration—Creates a mobile workstation for easier portability
- ▶ Upgraded One-Click Stacking—Easily lock tool cases together in seconds for secure transport and handling

INCLUDES

HEPA Filter **VF130H**
(5) 9-Gallon Fleece Filter Bag **VB090F**
16 Ft. Dust Extractor Hose **VH1635A**
Carrying Case **L-BOXX-4**



14-GALLON PRO+GUARD™ SURFACING KIT **GXA4-02L**



- ▶ HEPA Filter—Captures 99.97% of particles larger than 0.3 microns
- ▶ Fleece Dust Filter Bag Design—Works as a preliminary filter and a secure way to capture debris and dust to extend the life of the main filter
- ▶ 16 Ft. Anti-Static Hose—Helps prevent static shock and cling
- ▶ L-Boxx Dust Extractor Integration—Creates a mobile workstation for easier portability
- ▶ Upgraded One-Click Stacking—Easily lock tool cases together in seconds for secure transport and handling

INCLUDES

HEPA Filter **VF130H**
(5) 14-Gallon Fleece Filter Bag **VB140F**
16 Ft. Dust Extractor Hose **VH1635A**
Carrying Case **L-BOXX-4**



ATTACHMENTS AND ACCESSORIES FOR VAC SERIES

FILTERS

- ▶ Each fits VAC090A, VAC090AH, VAC090S, VAC140A, VAC140AH and VAC140S dust extractors



VF120H

VF130H

Item #	Description
VF100	Flat paper (cellulose) filter
VF110	Flat polyester filter (required for wet vacuuming)
VF120H	Flat HEPA filter
VF130H	Extended life, flat HEPA filter

LOCKING HOSES

- ▶ Each hose fits VAC090A, VAC090AH, VAC090S, VAC140A, VAC140AH and VAC140S dust extractors
- ▶ Not compatible with other dust extractors
- ▶ These hoses connect many Bosch power tools and dust extraction attachments to Bosch VAC series dust extractors
- ▶ VX120 power tool adapter is included
- ▶ Each hose has swivels at both ends
- ▶ Anti-static hoses help prevent static shock and cling



VH1635

VH1635A

Item #	Description
VH1635	16 ft., 35mm hose
VH1635A	Anti-static 16 ft., 35mm hose
VH1622A	Anti-static 16 ft., 22mm hose
VH1035	10 ft., 35mm hose
VH1022	10 ft., 22mm hose

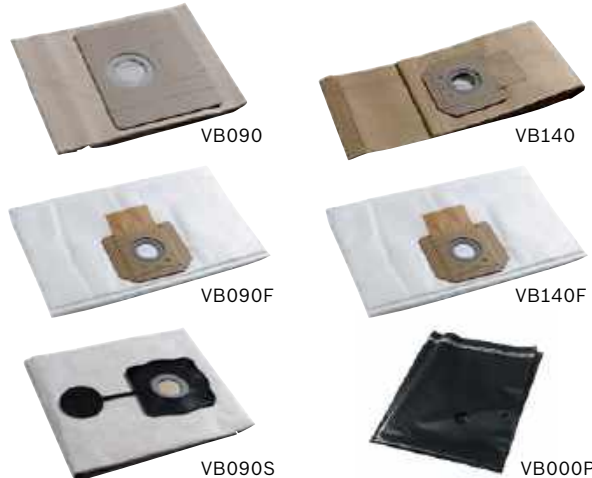
POWER TOOL ADAPTER



Item #	Description
VX120	Connects VH hoses to tools that have ports for 35mm, 22mm or 19mm hoses. Included with all VH hoses

DISPOSABLE BAGS

- ▶ Each fits VAC090A, VAC090AH, VAC090S, VAC140A, VAC140AH and VAC140S dust extractors
- ▶ A fleece filter bag (VB090F and VB140F) is recommended to extend filter life
- ▶ VB090S is the only bag suited for wet vacuuming
- ▶ VB00P includes attached tie for sealing bag when ready for disposal



VB090

VB140

VB090F

VB140F

VB090S

VB000P

Item #	Description	Quantity
VB090	Paper filter bag—9.0 gallon	5
VB140	Paper filter bag—14.0 gallon	5
VB090F	Fleece filter bag—9.0 gallon	5
VB090F-30	Fleece filter bag—9.0 gallon	30
VB140F	Fleece filter bag—14.0 gallon	5
VB140F-30	Fleece filter bag—14.0 gallon	30
VB090S	Wet filter bag—9.0–14.0 gallon	5
VB000P	Open-top plastic bag—9.0–14.0 gallon	10

BEND/ELBOW

- ▶ Fits VH series hoses
- ▶ Fits VX100 extension tube set and most 35mm and 1-1/2 in. tube sets



Item #	Description
VX100	Bend/elbow, anti-static

ATTACHMENTS AND ACCESSORIES FOR GAS20-17AH

VACUUM HOSE Y-CONNECTOR

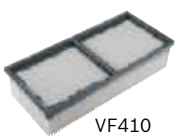
- ▶ Allows connection of two hoses to GAS20-17AH dust extractors
- ▶ Secure fit locks into dust extractor's hose port



Item #	Description	Quantity
VX450	Vacuum hose y-connector	1

FILTER

- ▶ Each fits GAS20-17AH dust extractor



VF410

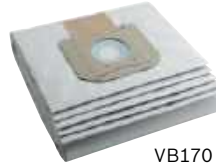


VF430H

Item #	Description
VF410	Polyester wet/dry filter for GAS20-17AH dust extractor
VF430H	Flat HEPA filter

DISPOSABLE BAGS

- ▶ Fits GAS20-17AH dust extractor
- ▶ A three-layer filter bag is recommended to extend filter life



VB170



VB170F

Item #	Description	Quantity
VB170S	Wet filter bag—17.0 gallon	5
VB170P	Open-top plastic bag—17.0 gallon	10
VB170	Heavy-duty paper dust bag—17.0 gallon	5
VB170F	Fleece filter bag—17.0 gallon	5

THREE-PIECE VACUUM EXTENSION TUBE/FLOOR NOZZLE SET

- ▶ Fits on most 35mm and 1-1/2 in. hoses, bends, nozzles and attachments including VX100 bend



Item #	includes
VX460	(1) Floor nozzle, (2) suction tubes, (1) bend/elbow

ATTACHMENTS AND ACCESSORIES FOR 3931 SERIES

AIRSWEEP LOCKING HOSE

- ▶ Connect many Bosch power tools and dust-extraction hood attachments to Bosch 3931-series vacuum cleaners
- ▶ For use only with Bosch 3931-series vacuum cleaners (not compatible with other vacuum cleaners)
- ▶ Anti-static hoses help prevent static shock and cling



Item #	Description
VAC006	35mm 5-meter (16.4 ft.)—swivels at both ends of hose
VAC008	35mm 5-meter (16.4 ft.)—swivels at both ends of hose

AIRSWEEP VACUUM FILTERS

- ▶ Each pair fits 3931 and 3931A dust extractor (pair of filters required)



VAC012

Item #	Description
VAC012	Polyester filters (pair) (required for wet vacuuming)
VAC019	HEPA filters (pair)

DISPOSABLE BAGS

- ▶ Each fits 3931 series dust extractors
- ▶ VAC022 is the only bag suited for wet vacuuming
- ▶ VAC023 includes attached tie for sealing bag when ready for disposal
- ▶ VAC023 requires use of 3931A compatible canister that has air valve



VAC013



VAC022



VAC023

Item #	Description	Qty.
VAC013	Fleece filter bag—5.5 gallon	3
VAC023	Open-top plastic bag—10.0 gallon	3
VAC022	Wet/Dry dust bag—13.0 gallon	3

UNIVERSAL HOSES AND ADAPTERS

HOSE ADAPTERS

Item #	Description
VAC002	Connects 1-1/4" and 1-1/2" hoses to some tools and attachments that have ports for 35mm, 22mm or 19mm hoses



Item #	Description
VAC003	Connects 35mm, 22mm and 19mm hoses to tools that have ports for 1-1/4" hoses



Item #	Description
VAC004	Connects 35mm hoses to tools that have ports for 2-1/2" hoses



Item #	Description
VAC020	Connects 2-1/2" hoses to tools that have ports for 35mm hoses



Item #	Description
VAC024	Connects 1-1/4" and 1-1/2" hoses to tools and attachments that have parts for 35mm, 22mm or 19mm hoses



FRICTION-FIT HOSE

- Connects many Bosch power tools and dust extraction hood attachments to dust extractors that have openings for standard 2-1/4 In. hoses
- Standard 2-1/4 In. friction fit

Item #	Description
VAC005	35mm, 16.4 ft. swivels at both ends of hose



UNIVERSAL NOZZLES

THREE-PIECE FLOOR NOZZLE SET

- Fits on most 35mm and 1-1/2 In. tubes



Item #	# of Pieces	Includes
VX130	3	Floor nozzle set with two inserts (bristles and squeegee)

STEEL EXTENSION TUBE SET

- Fits on most 35mm and 1-1/2 In. hoses, bends, nozzles and attachments including VX100 bend



Item #	Description
VX110	Three-piece chrome extension tube (3 ft. total length)

SIX-PIECE TUBE AND NOZZLE KIT

- Fits on most 35mm hoses and most 1-1/2 In. vacuum hoses



Item #	# of Pieces	Includes
VAC011	6	(2) straight tubes, (1) curved tube, (1) floor nozzle set with three Inserts (smooth floor, carpet and squeegee)—VAC016, (1) crevice tool—VAC017, (1) brush—VAC018

NOZZLES

- Fits 35mm tubes, hoses and most 1-1/2 In. tubes and hoses



Item #	Description
VAC015	Universal vacuum floor nozzle—for carpet or smooth surfaces
VAC016	Three-piece floor nozzle set (not shown)
VAC017	Vacuum crevice tool—for clean-up in tight spaces
VAC018	Vacuum brush

OSHA 1926.1153 TABLE 1 SILICA REGULATIONS FOR POWER TOOLS

TABLE 1—SPECIFIED EXPOSURE CONTROL METHODS WHEN WORKING WITH MATERIALS CONTAINING CRYSTALLINE SILICA

Equipment/Task	Engineering and Work Practice Control Methods	Required Respiratory Protection and Minimum Assigned Protection Factor (APF)	
		≤ 4 Hours/Shift	> 4 Hours/Shift
Handheld and Stand-Mounted Drills (Including Impact and Rotary Hammer Drills)	Use drill equipped with commercially available shroud or cowl with dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning mechanism. Use a HEPA-filtered vacuum when cleaning holes.	None	None
Jackhammers and Handheld Powered Chipping Tools	Use tool equipped with commercially available shroud and dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency and a filter-cleaning mechanism.		
	– When used outdoors.	None	APF 10
	– When used indoors or in an enclosed area.	APF 10	APF 10
Handheld Power Saws for Cutting Fibercement Board (with Blade Diameter of 8 Inches or Less)	For tasks performed outdoors only: Use saw equipped with commercially available dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide the air flow recommended by the tool manufacturer, or greater, and have a filter with 99% or greater efficiency.	None	None
Handheld Grinders for Mortar Removal (I.E., Tuckpointing)	Use grinder equipped with commercially available shroud and dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide 25 cubic feet per minute (cfm) or greater of airflow per inch of wheel diameter and have a filter with 99% or greater efficiency and a cyclonic pre-separator or filter-cleaning mechanism.	APF 10	APF 25
Handheld Grinders for Uses Other Than Mortar Removal	Use grinder equipped with commercially available shroud and dust collection system. Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions. Dust collector must provide 25 cubic feet per minute (cfm) or greater of airflow per inch of wheel diameter and have a filter with 99% or greater efficiency and a cyclonic pre-separator or filter-cleaning mechanism.		
	– When used outdoors.	None	None
	– When used indoors or in an enclosed area.	None	APF 10

SILICA & OSHA REFERENCES

https://www.osha.gov/dte/library/silicosis/si_con.html
<http://www.silica-safe.org>
<https://www.osha.gov/silica/index.html>
<https://www.osha.gov/silica/SilicaConstructionRegText.pdf>
<https://www.osha.gov/SLTC/respiratoryprotection/index.html>
<https://www.osha.gov/SLTC/wooddust/recognition.html>

♦ All information cited was prepared by Robert Bosch Tool Corporation on December 1, 2016, which is to serve as a basic summary helping users generally understand the OSHA Respirable Crystalline Silica Rule for the construction industry. This is not an official, legal, safety-related or comprehensive interpretation of the rule; you should always rely on your own review and evaluation of the applicable rules and regulations and understand that it is the individual's and/or employer's obligation to comply with such rules. Also, there may be additional OSHA standards and OSHA-approved state programs that apply. When using the equipment shown in this guide as you strive to meet your required compliances, always use the tools in accordance with the owner's manual and OSHA regulations. For official information, please go to <https://www.osha.gov/silica/> and for the complete rule (including Table 1), please see <https://www.osha.gov/silica/SilicaConstructionRegText.pdf>.



BOSCH



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