



BOSCH

MAKE DUST HISTORY



REFERENCE GUIDE:
PRO+GUARD™ DUST
SOLUTIONS FOR CONCRETE
DRILLING, DEMOLITION,
GRINDING AND CUTTING

MAKE DUST HISTORY

PROTECT THE TOOLS
YOU CAN'T REPLACE

SILICOSIS IS 100% PREVENTABLE

Move Towards OSHA Compliance with Bosch PRO-Guard™ Dust Solutions

- Largest selection of dust solutions
- Speed Clean™ bits are code approved and meet OSHA standards
- Engineered for maximum dust removal
- Best-in-class dust extraction

PRO+GUARD™
PERFORMANCE • COMPLIANCE • SAFETY

Visit [boschtools.com/PROGUARD](https://www.boschtools.com/PROGUARD) for more information.



TABLE OF CONTENTS

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

PRO+GUARD™ Dust Solutions	4-5
Dangers of Silica Exposure	6
OSHA Silica Standard	7
Methods of Compliance	8
Dust Collection Solutions	9
Concrete Drilling & Anchoring	10-15
Concrete Chiseling & Demolition	16-17
Concrete Surface Grinding	18
Masonry Tuckpointing	19
Concrete Cutting	20-21
Dust Extractors, Filters and Extractor Attachments	22-30
OSHA 1926.1153 Table 1 Silica Regulations for Power Tools	31



MAXIMIZE PERFORMANCE AND 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



*OSHA Table 1 requires 225 CFM dust extractor for 9 In. guard.

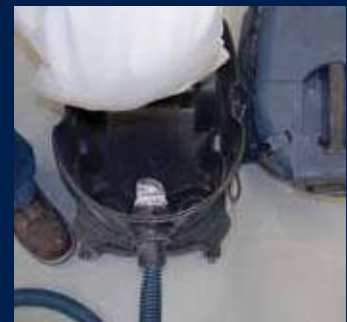
RESPIRATION

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
- ▶ Drill
- ▶ 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.”

OSHA SILICA STANDARD

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.

The new standard went into effect on June 23, 2016, and employers are required to comply with all obligations under the standard. OSHA enforcement dates differ by state and can be referenced by visiting <https://www.osha.gov/dcsp/osp/index.html>. If your state does not have its own state plan, OSHA federal silica regulations will apply.



KNOW THE FACTS



TWO WAYS TO COMPLY WITH THE OSHA SILICA DUST REGULATION

1 OSHA TABLE 1

2 PARAGRAPH D



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



OBJECTIVE DATA^a
PERFORMANCE TESTING



MONITOR EXPOSURE^{a, b}
Scheduled air monitoring



METHODS OF COMPLIANCE

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



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



BOSCH

DUST COLLECTION SOLUTIONS

In order to move toward compliancy 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



TOOL

Dust collection systems are available for Bosch grinders and hammers. Dust solutions 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.

2. IDENTIFY THE CORRECT ATTACHMENT THAT FITS YOUR TOOL



ATTACHMENT

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

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



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.

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



APF 10 shown
3M™ Rugged Comfort™
Half Face Respirator
6500 Series

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.

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 SDS-PLUS® HAMMERS	TOOL	ATTACHMENT OR ACCESSORY	ON TOOL DUST EXTRACTOR	RESPIRATION	OSHA SILICA COMPLIANT*
18V	 GBH18V-26	None	 GDE18V-16	None	Yes 
18V	 GBH18V-26D	None	 GDE18V-26D	None	Yes 
CORDED	 1125VSR, GBH2-28L				

* Based on objective data

CHOOSING THE RIGHT SYSTEM

FIND YOUR	TOOL	ATTACHMENT OR ACCESSORY	FILTER & DUST EXTRACTOR	RESPIRATION	OSHA SILICA COMPLIANT
HAMMER DRILL		 HDC200			Yes 
18V	1191VSR, HD18-2, HD19-2, HD21-2 HDS181A, HDS183, HDH181, HDH183				
SDS-plus® HAMMERS		 Anchoring Applications Speed Clean™ SDS-plus®: HCD2041, HCD2051, HCD2061, HCD2074, HCD2084, HCD2094, DXS2074, DXS2084, DXS2094 DXS2104, DXS2114, DXS2124, DXSplus	 VAC140AH		
3/4" - 1-1/8" BULLDOG™	11253VSR, 11255VSR, GBH2-26, RH228VC, GBH2-28L, RH328VC, RH328VCQ				
18V	RHH181, GBH18V-20, GBH18V-26	 Universal Attachment OR HDC200			Yes 
36V	11536VSR, 11536-C, RH328VC-36		 VAC090AH	None	
1-1/4"	RH432VCQ	 SDS-plus® only Works with SDS-plus® hammers except RH432VCQ			
LARGE HAMMERS		 Anchoring Applications Speed Clean™ SDS-max®: DXS5020, DXS5021, DXS5034, DXS5048, DXS5044, DXS5054, DXS5062, DXS5071, DXS5082, DXSMAX			Yes 
SDS-max®	11264EVS, 11263EVS, 11245EVS, RH540M, RH850VC, RH745, RH1255VC	 Universal Dust Extraction OR HDC200, HDC250			
SPLINE	RH540S, 11265EVS				

SDS-plus® BULLDOG™ MOBILE DUST EXTRACTOR

GDE18V-26D

18V

BULLDOG™



NEW

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

180° SIDE HANDLE

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

DRILLING CAPACITY

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

COMPATIBLE WITH BOSCH 2KG D-HANDLE HAMMERS

Designed to fit 1 In. 11255VSR and 1-1/8 In. GBH2-28L and RH228VC corded models, as well as the 1 In. 18V GBH18V-26D cordless model

3.9 IN. OF DRILLING DEPTH

For a wide variety of mechanical anchors

FIVE-LED BATTERY INDICATOR

Provides battery charge and ON/OFF status



ALUMINUM GUIDE RAIL

Provides smooth retraction of the Dust Eye during the drilling application

FLEXIBLE POWER SYSTEM

Compatible with all Bosch 18V Lithium-ion batteries

HEPA FILTER

Captures 99.97% of particles .3 microns or larger



REMOVABLE DUST CONTAINER

Easy-to-remove canister for straightforward clean out

INSPECTION WINDOW

Transparent window to check actual dust level

ON/OFF BUTTON



VERSATILE, COMPATIBLE ON-TOOL DUST COLLECTION

The Bosch GDE18V-26D professional dust collector is compatible with a variety of Bosch rotary hammers, including GBH18V-26D, 11255VSR, GBH2-28L and RH228VC. The dust collection unit has its own motor.

SDS-plus® BULLDOG™ MOBILE DUST EXTRACTOR

GDE18V-26DN

NEW



18V



- ▶ Designed to fit 1 In. 11255VSR 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—Captures 99.97% of particles 0.3 microns and larger

INCLUDES

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

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



HEPA FILTER

ITEM # DESCRIPTION

DF18V-16	HEPA filter for GDE18V-16 SDS-plus® dust collection attachment
-----------------	--

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—Captures 99.97% of particles 0.3 microns and larger

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.

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**: RH181, GBH18V-20, GBH18V-26, GBH18V-26D
 - **36V**: 11536VSR, 11536-C, RH328VC-36



ITEM # DESCRIPTION

HDC100	SDS-plus® depth control dust extraction unit
---------------	--

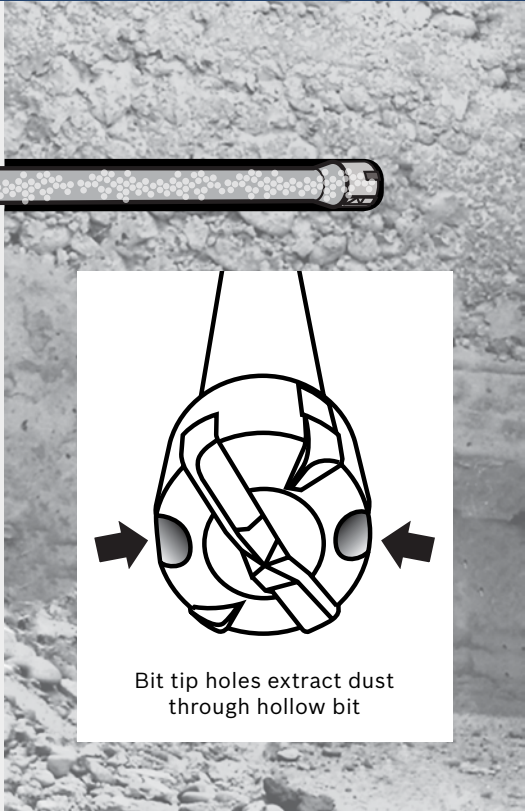
SPEED CLEAN™ DUST EXTRACTION BITS

ELIMINATES 90% OF AIRBORNE SILICA DUST
TIME SAVINGS UP TO 50% PER ANCHOR

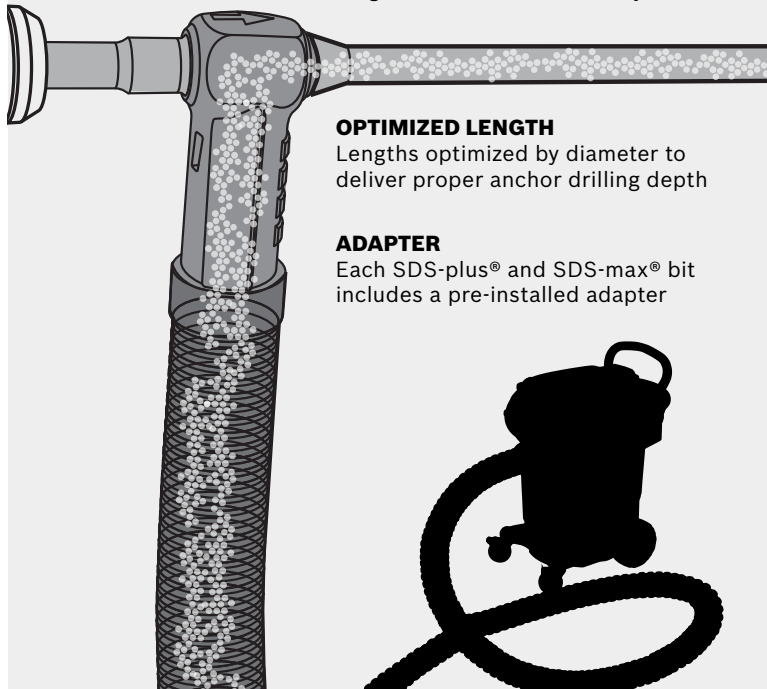
PREMIUM CARBIDE TIP
Bosch carbide ensures quality, long life and hole consistency

OPTIMIZED LENGTH
Lengths optimized by diameter to deliver proper anchor drilling depth

ADAPTER
Each SDS-plus® and SDS-max® bit includes a pre-installed adapter



Bit tip holes extract dust through hollow bit



OSHA SILICA DUST SOLUTION




+



SPEEDCLEAN™

+



MIN CFM 129
HEPA
Dust Extractor and Filter

=

RESPIRABLE OSHA SILICA DUST COMPLIANT

ANCHORING SOLUTION




+



SPEEDCLEAN™

+



MIN CFM 129
HEPA
Dust Extractor and Filter

+



=

UP TO 50% FASTER ANCHOR INSTALLATION

Adhesive dust cleaning not required

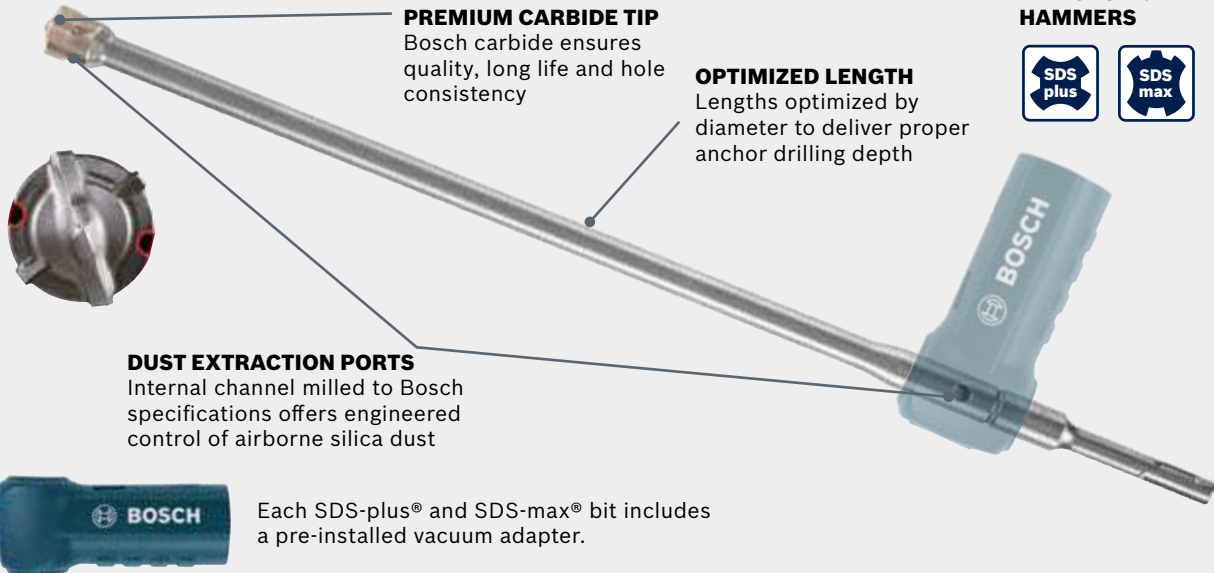
SDS-plus® SPEED CLEAN™ DUST EXTRACTION BITS

SDS-plus® SPEED CLEAN™ DUST EXTRACTION DRILL BIT AND ADAPTER



- ▶ CONTROLS AIRBORNE SILICA DUST
- ▶ 50% FASTER ANCHOR INSTALLATION

AVAILABLE FOR SDS-plus® AND SDS-max® HAMMERS



PREMIUM CARBIDE TIP
Bosch carbide ensures quality, long life and hole consistency

OPTIMIZED LENGTH
Lengths optimized by diameter to deliver proper anchor drilling depth

DUST EXTRACTION PORTS
Internal channel milled to Bosch specifications offers engineered control of airborne silica dust

Each SDS-plus® and SDS-max® bit includes a pre-installed vacuum adapter.

*Always follow manufacturer installation instructions for proper anchor installation methods.

SPEED CLEAN™ DUST EXTRACTION BITS

SDS-plus® SPEED CLEAN™ DUST EXTRACTION DRILL BITS*



ITEM #	DIAMETER	USABLE LENGTH	OVERALL LENGTH	QTY.
HCD2041	1/4"	4"	9"	1
HCD2051	5/16"	4"	9"	1
HCD2061	3/8"	4"	9"	1
HCD2074	7/16"	7-1/2"	13"	1
HCD2084	1/2"	7-1/2"	13"	1
HCD2094	9/16"	10"	15"	1
DXS2074	7/16"	7-1/2"	13"	1
DXS2084	1/2"	7-1/2"	13"	1
DXS2094	9/16"	10"	15"	1
DXS2104	5/8"	10"	15"	1
DXS2114	11/16"	12-1/2"	18"	1
DXS2124	3/4"	12-1/2"	18"	1

Note: Adapter included

*Adhesive code approval pending

SDS-max® SPEED CLEAN™ DUST EXTRACTION DRILL BITS*



ITEM #	DIAMETER	USABLE LENGTH	OVERALL LENGTH	QTY.
DXS5020	5/8"	8"	17"	1
DXS5021	5/8"	16"	25"	1
DXS5034	3/4"	12-1/2"	21"	1
DXS5048	13/16"	15"	25"	1
DXS5044	7/8"	15"	25"	1
DXS5054	1"	17-1/2"	27"	1
DXS5062	1-1/8"	20"	29"	1
DXS5071	1-1/4"	16"	21"	1
DXS5082	1-3/8"	25"	34"	1

Note: Adapter included

*Adhesive code approval pending

SDS-plus® SPEED CLEAN™ ADAPTER



ITEM #	DESCRIPTION
DXSPPLUS	Rubber adapter connecting SDS-plus® Speed Clean™ dust extraction bits to standard 35mm diameter vacuum hose

SDS-max® SPEED CLEAN™ ADAPTER



ITEM #	DESCRIPTION
DXSMAX	Rubber adapter connecting SDS-max® Speed Clean™ dust extraction bits to standard 35mm diameter vacuum hose



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)				Needed when used indoors Needed when used outdoors >4 hours/shift	Yes 
SDS-max®	11264EVS, 11263EVS, 11245EVS, RH540M, RH850VC, RH745, RH1255VC	HDC300**			
SPLINE	RH540S, 11265EVS				
SDS-max® DEMOLITION HAMMERS					Yes 
	11316EVS, 11321EVS, DH507, DH712VC, DH1020VC	HDC300**			
DEMO/BREAKER HAMMERS				APF 10* (N95) or 	Yes 
	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

UNIVERSAL DUST EXTRACTION ATTACHMENTS

CHISELING DUST EXTRACTION ATTACHMENT

- ▶ Dust extraction attachment for chiseling into concrete/masonry. For best results, keep the attachment within 3" of the bit tip
- ▶ For use with Bosch SDS-max® or spline chisels 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 #	INCLUDES
HDC300	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 #	DESCRIPTION
HDC400	Hammer dust collection attachment for demolition applications



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 CONCRETE SURFACING	TOOL	ATTACHMENT OR ACCESSORY	FILTER & DUST EXTRACTOR	RESPIRATION	OSHA SILICA COMPLIANT
	 CSG15, 1773A	Not Required			Yes 
SMALL ANGLE GRINDERS	 1800-Series, AG40-Series, AG50-Series, GWS10-45, GWS13-50-Series, GWS13-60-Series	 Surfacing: 18SG-5E (5")	VAC090AH 	Needed when used indoors Needed when used outdoors >4 hours/shift 	Yes 
4-1/2"-6" 18V 4-1/2"-5" 7" GRINDERS	 1853-6, 1853-5, 1772-6, 1873-8(D), 1974-8, 1974-8D	 Surfacing: 18SG-7 (7")	Use dust extractor with 175+ CFM. 	or 	Yes 
9" GRINDERS	 1994-6, 1994-6D, 1893-6, 1894-6		GAS20-17AH (300CFM)		Yes 

*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

MASONRY TUCKPOINTING



BASED ON OSHA SILICA TABLE 1—HANDHELD GRINDERS FOR MORTAR REMOVAL (I.E., TUCKPOINTING)

CHOOSING THE RIGHT SYSTEM

FIND YOUR TUCKPONTER 5"	TOOL	ATTACHMENT OR ACCESSORY	FILTER & DUST EXTRACTOR	RESPIRATION	OSHA SILICA COMPLIANT
	 1775E, AG50-10TG, GWS13-50TG	Not Required	 VAC090AH	 ≤4 hours/shift	Yes 
SMALL ANGLE GRINDERS	 1800-Series, AG40-Series, AG50-Series, GWS10-45, GWS13-50-Series	 Cutting: 18DC-5E or GA50DC (5")	 VAC140AH	 APF 25*	Yes 
18V 4-1/2"-5"	GWS18V-45C, GWS18V-45PC, GWS18V-45PSC				

*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

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"	1800-Series, AG40-Series, AG50-Series, GWS10-45, GWS13-50-Series		VAC090AH	Needed when used indoors Needed when used outdoors >4 hours/shift	Yes 
18V 4-1/2"-5"	GWS18V-45C, GWS18V-45PC, GWS18V-45PSC	Cutting: 18DC-5E or GA50DC (5")			
6" GRINDERS			VAC140AH	APF 10* (N95)	
21V 6" GRINDERS	1806E, 1812PSD, AG60-Series, GWS13-60(PD)		VAC140AH	APF 10* (N95)	
7" GRINDERS			Use dust extractor with 175+ CFM	or 	Yes 
	1853-6, 1853-5, 1772-6, 1873-8(D)	Cutting: 19DC-7 (7")		RR 6500* (P95)	
9" GRINDERS			GAS20-17AH (300 CFM)		Yes 
	1893-6, 1894-6	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

ATTACHMENTS

CUTTING/DUST COLLECTION ATTACHMENTS



Type 1A (ISO 41) with Foot



GA50DC



Type 1A (ISO41) with Foot

ITEM #	DESCRIPTION
18DC-5E*	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
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

*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
1605510215*	12" attachment

*For use with models 1364 and 1364K only

SURFACING/DUST COLLECTION ATTACHMENTS



ITEM #	DESCRIPTION
18SG-5E* 5" SHROUD	5" concrete surfacing attachment compatible with 4-1/2" and 5" small angle grinders: GWS10-45/P/PD, GWS18V-45/P/PSC, GWS13-50/VS/VSP/P/PD, AG series and 1800 series. Includes Brush Rings Set 2605510226

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



ITEM #	DESCRIPTION
18SG-7 7" SHROUD	7" concrete surfacing attachment for use with 1853-5, 1853-6, 1873-6, 1873-8, 1873-8D, 1893-6 and 1893-6D (only with 7" wheel), 1994-6 and 1994-6D (only with 7" wheel). Includes Brush Rings Set 2610002854

TUCKPOINTING ATTACHMENT



ITEM #	DESCRIPTION
TG500	5" tuckpoint attachment compatible with 5" tuckpointing grinders: 1775E
TG502	5" tuckpoint attachment compatible with 4-1/2" and 5" small angle grinders: GWS13-50/VS/VSP/P/PD, AG series and 1800 series; 18V cordless grinders: GWS18V-45C/PC/PSC

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



POWER TOOL ACTIVATION

POWERFUL 120-VOLT MOTOR
Allows effective dust extraction at an airflow of 150 CFM

AUTOMATIC FILTER CLEANING (AFC)
Activates every 15 seconds allowing the flat pleated filter to be cleaned through a reversed airflow



EASY-TO-CHANGE HEPA FILTER



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

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



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
AIRFLOW (MAX.)	150 CFM (70 ltr./sec.)
STATIC WATER LIFT (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 in.
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 gallon
AIRFLOW (MAX.)	150 CFM (70 ltr./sec.)
STATIC WATER LIFT (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

17-GALLON 300-CFM DUST EXTRACTOR

GAS20-17AH

300 CFM



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

CUP HOLDER

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

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

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

NEW



PRO-GUARD
PERFORMANCE • COMPLIANCE • SAFETY

- ▶ 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 Gallon
HEIGHT (W/ CHASSIS)	35"
WEIGHT	63.0 Lbs.



BOSCH



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

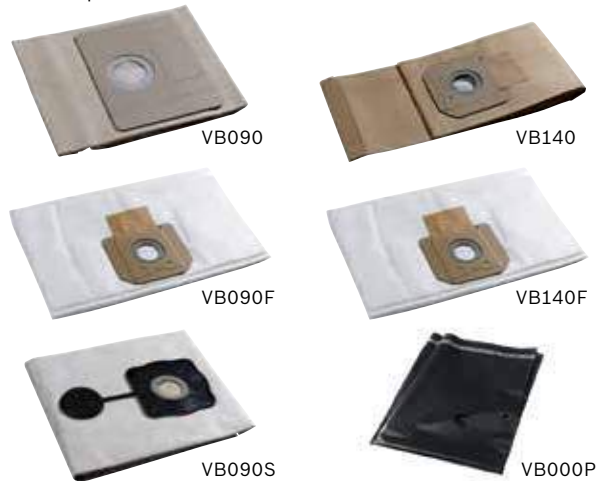
POWER TOOL ADAPTER



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 gal.	5
VB140	Paper filter bag—14 gal.	5
VB090F	Fleece filter bag—9 gal.	5
VB090F-30	Fleece filter bag—9 gal.	30
VB140F	Fleece filter bag—14 gal.	5
VB140F-30	Fleece filter bag—14 gal.	30
VB090S	Wet filter bag—9–14 gal.	5
VB000P	Open-top plastic bag—9–14 gal.	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 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

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 gal.	3
VAC023	Open-top plastic bag—10 gal.	3

ATTACHMENTS AND ACCESSORIES FOR GAS20-17AH

VACUUM HOSE Y-CONNECTOR

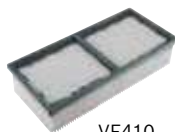
- ▶ Allows connection of two hoses to GAS20-17AH dust extractors
- ▶ Secure fit locks into dust extractor's hose port



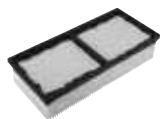
ITEM #	DESCRIPTION	QUANTITY
VX450	Vacuum hose y-connector	1

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

THREE-PIECE VACUUM EXTENSION TUBE/ FLOOR NOZZLE SET

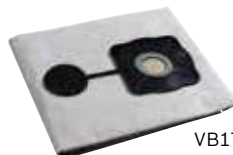
- ▶ Fits on most 35mm and 1-1/2 in. hoses, bends, nozzles and attachments including VX100 bend



ITEM #	INCLUDES
VX460	(1) Floor nozzle, (2) suction tubes, (1) bend/elbow

DISPOSABLE BAGS

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



VB170S



VB170P

ITEM #	DESCRIPTION	QUANTITY
VB170S	Wet filter bag - 17 gal.	5
VB170P	Open-top plastic bag - 17 gal.	5

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>.

BOSCHTOOLS.COM/PROGUARD AVAILABLE ANYTIME, ANYWHERE ON ANY DEVICE

- ▶ The latest, up-to-date product information and specifications
- ▶ OSHA regulation overview and silica insights
- ▶ Connect with Customer Service via text, email or phone
- ▶ Access where-to-buy information easily



Power Tools for Professionals **BOSCH**
Invented for life

Products Service Where to Buy More Search

MAKE DUST HISTORY

MOVE TOWARD OSHA COMPLIANCE WITH PRO+GUARD™ DUST SOLUTIONS

FINDER > Trade Application

Join our mailing list Email Address send

FINDER

What do you want to do with the tool?

Hammer & Precision Drill Sand & Polish Plane Cut

TOOL FINDER
Find the right tool and accessory for your job

- ▶ Trade specific
- ▶ Application specific

News and promotions

Power Tools for Professionals **BOSCH**

CHOOSING A HAMMER TO FIT YOUR NEEDS

LATEST NEWS

- ▶ Best practices
- ▶ Events
- ▶ Promotions
- ▶ Press Releases

CONNECT WITH US

