



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 Toward 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



Visit boschtools.com/PROGUARD for more information.

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DRILLING, DEMOLITION, GRINDING AND CUTTING

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MAKE DUST HISTORY

The updated OSHA silica regulation requires employers to limit their employees' exposure to respirable crystalline silica dust to $50 \mu\text{g}/\text{m}^3$ or lower, averaged over an eight-hour day.

PRO+GUARD™
PERFORMANCE • COMPLIANCE • SAFETY



With the **largest** product lineup in the industry, Bosch PRO+GUARD™ dust solutions will allow you to move toward **compliance** and increase your **productivity**.

LARGEST SELECTION

Largest selection of dust solutions by application

HIGHLY EFFECTIVE

Most dust removal per application

BEST-IN-CLASS DUST EXTRACTORS

Consistent suction power to reach compliance



WE'VE GOT YOUR BACK

Bosch PRO+GUARD™ Protection System

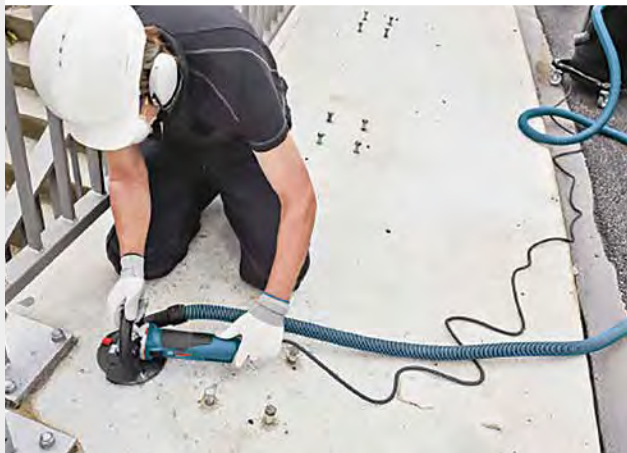


Whether you are concerned about the health of your employees, your health, compliance or increasing productivity, Bosch has developed PRO+GUARD™ protection systems.



MAXIMIZE PERFORMANCE

Bosch dust collection systems can boost your overall productivity with proven products like our Speed Clean™ dust extraction drill bits. When using these bits to set adhesive anchors, you can reduce installation time by up to 50%.



GET COMPLIANT

When using the correct setup and following manufacturer's instructions, Bosch dust collection systems help keep the air cleaner by using HEPA filters that capture more than 99.97% of dust particles 0.3 microns and larger.



PROTECT YOURSELF & OTHERS

According to health experts, inhaling dust containing silica in some instances may cause silicosis, lung cancer, COPD and other debilitating diseases. Bosch dust collection systems can reduce airborne dust, helping to create a safer and healthier working environment.

CONCRETE



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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 very common mineral. It is 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. These dust particles are very small and 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 the 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 is 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 World Health Organization—International Agency on Cancer Research (IARC) identified crystalline silica as a “known human carcinogen” (they reaffirmed this position in 2009). The American Thoracic Society and the American College of Occupational and Environmental Medicine have also 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



PROTECT YOURSELF & YOUR EMPLOYEES

The Occupational Safety and Health Administration (OSHA) has issued a final rule to curb lung cancer, silicosis, chronic obstructive pulmonary disease and kidney disease in America's 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 gives 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 a competent person 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 of 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 their own state plan, OSHA federal silica regulations will apply.





**CONCRETE
DUST SOLUTIONS**

CONCRETE DUST SOLUTIONS

In order to move toward compliancy and protection, it is critical that every component in the system is designed to effectively remove dust. Outside of respiration, Bosch produces effective dust collection solutions to help you.



1. Choose the tool that best fits your needs



TOOL

Dust collection systems are available for Bosch grinders, hammers and hammer drills, routers, jig saws, circular saws, miter saws, table saws, sanders and planers.

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.

CHOOSING THE RIGHT SYSTEM

3. Choose a HEPA ready dust extractor with the highest CFM and meets EPA guidelines



CONNECTIONS

Bosch dust collection connections offer a secure fit from tool to vacuum through a variety of hoses and adapters.

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](https://www.3m.com/OSHASilica)



DUST EXTRACTORS

Use a professional dust extractor. Bosch dust extractors are rated as high as 150 CFM (cubic feet per minute), with some offering features such as HEPA filtration and automatic filter cleaning.



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

RESPIRATION

Respirators protect you by filtering contaminants the user breathes. If needed for the application you are performing, respirators of this type include particulate respirators, which filter out airborne particles, and air-purifying respirators with cartridges/canisters which filter out chemicals and gases.

CONCRETE



*OSHA Rule 1926.1153 Table 1



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CONCRETE DRILLING & ANCHORING

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



DUST SOLUTIONS

- ▶ Largest range of OSHA Code approved drilling solutions available
- ▶ Largest drilling selection
- ▶ Most dust removal per application



CHOOSING THE RIGHT SYSTEM

FIND YOUR	TOOL	ATTACHMENT OR ACCESSORY	FILTER & DUST EXTRACTOR	RESPIRATION	OSHA SILICA COMPLIANT
HAMMER DRILL					Yes
18V	1191VSR, HD18-2, HD19-2, HD21-2 HDS181A, HDS183, HDH181, HDH183	HDC200			
SDS-plus® HAMMERS		Anchoring Applications 	Speed Clean™ SDS-plus®: HCD2074, HCD2084, HCD2094, DXS2104, DXS2114, DXS2124, DXSplus		
3/4"–1-1/8" BULLDOG™	11253VSR, 11255VSR, GBH2-26, RH228VC, GBH2-28L, RH328VC, RH328VCQ		OR HDC200		
18V	RHH181, GBH18V-20, GBH18V-26**	Universal Attachment	OR HDC100	None	Yes
36V	11536VSR, 11536-C, RH328VC-36				
1-1/4"	RH432VCQ	SDS-plus® only	OR 		
	All the above SDS-plus® hammers except RH432VCQ				
LARGE HAMMERS		Anchoring Applications 	Speed Clean™ SDS-max®: DXS5034, DXS5048, DXS5044, DXS5054, DXS5062, DXS5082		
SDS-max®	11264EVS, 11263EVS, 11245EVS, RH540M, RH850VC, RH745, RH1255VC	Universal Dust Extraction 	OR HDC200, HDC250		Yes
SPLINE	RH540S, 11265EVS				

*Bosch recommends using a HEPA filter (VF120H or VF130H) when using a fleece bag **When used with the GDE18V-16 a dust extractor is not needed ♦ See page 22

SDS-plus® ATTACHMENT AND ADAPTER

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, RH226, RH228VC, GBH2-28L, RH328VC, RH328VCQ
 - **18V**: RH181, GBH18V-20, GBH18V-26
 - **36V**: 11536VSR, 11536-C, RH328VC-36



ITEM #	DESCRIPTION
HDC100	SDS-plus® depth control dust extraction unit

18V HEPA DUST COLLECTOR ATTACHMENT

- ▶ **For use with GBH18V-26 18V Bulldog™ Rotary Hammer** and provides excellent dust collection through an Auto-Power-On feature
- ▶ Provides excellent dust collection with Auto-Power-On feature
- ▶ Provides 2 seconds of overrun after releasing trigger
- ▶ Removable Dust Container with HEPA filter
- ▶ Max. Drill Bit Length–6.5"; Max. Drilling Depth–3.9"
- ▶ Includes (2) end nozzles



ITEM #	DESCRIPTION
GDE18V-16	18V HEPA dust collector attachment
DF18V-16	Replacement HEPA Filter

UNIVERSAL DUST EXTRACTION ATTACHMENTS

HAMMER DRILLING 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

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



HDC200



HDC250

SPEED CLEAN™ DUST EXTRACTION BITS

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



ITEM #	DIAMETER	USABLE LENGTH	OVERALL LENGTH	QTY.
HCD2074*	7/16"	7-1/2"	13"	1
HCD2084*	1/2"	7-1/2"	13"	1
HCD2094*	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

*All come with DXSPPLUS adapter

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



ITEM #	DIAMETER	USABLE LENGTH	OVERALL LENGTH	QTY.
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
DXS5082	1-3/8"	25"	34"	1

*All come with DXSMAX adapter

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—DRY CHISELING/ DEMOLITION WITH JACKHAMMERS AND HANDHELD POWERED CHIPPING TOOLS



DUST SOLUTIONS

- ▶ Largest range of chipping and demolition dust solutions available
- ▶ Most dust removal per application
- ▶ Best-in-class dust extraction



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				 APF 10* (N95)	Yes
	11316EVS, 11321EVS, DH507, DH712VC, DH1020VC	HDC300***			
DEMO/ BREAKER HAMMERS			 VAC090A**, VAC090AH**, VAC140A**, VAC140AH**	or RR 6500* (P95)	Yes
	BH2770VC, BH2760VC, 11335K, DH1020VC (SDS-max®)	HDC400***			

*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 **Bosch recommends using a HEPA filter (VF120H or VF130H) when using a fleece bag ◇ See page 22 ***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 CHISELING & DEMOLITION



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CONCRETE SURFACE GRINDING

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

CONCRETE SURFACE GRINDING



DUST SOLUTIONS

- ▶ Largest range of surface grinding dust solutions available
- ▶ Most dust and material removal
- ▶ Best-in-class dust extraction



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				Needed when used indoors Needed when used outdoors >4 hours/shift 	Yes 
4-1/2"-6" 18V 4-1/2"-5"	1800-Series, AG40-Series, AG50-Series, GWS10-Series, GWS13-Series GWS18V-45C, GWS18V-45PC, GWS18V-45PSC (New Q1 2018)	Surfacing: 18SG-5E (5")	VAC090A***, VAC090AH***, VAC140A***, VAC140AH***	APF 10* (N95)	
7" GRINDERS	 1853-6, 1853-5, 1772-6, 1873-8(D), 1974-8, 1974-8D	 Surfacing: 18SG-7 (7")		or 	Yes 
9" GRINDERS	 1994-6**, 1994-6D**, 1893-6**, 1894-6**	 Surfacing: 18SG-7 (7")	Use dust extractor with 175+ CFM.	RR 6500* (P95)	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 **9" grinders can only use a 7" disc and attachment ***Bosch recommends using a HEPA filter (VF120H or VF130H) when using a fleece bag ◇ See page 22

MASONRY TUCKPOINTING

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



DUST SOLUTIONS

- ▶ Largest range of tuckpointing solutions available
- ▶ Most dust and material removal
- ▶ Best-in-class dust extraction



MASONRY TUCKPOINTING

CHOOSING THE RIGHT SYSTEM

FIND YOUR TUCKPOINTER 5"	TOOL	ATTACHMENT OR ACCESSORY	FILTER & DUST EXTRACTOR	RESPIRATION	OSHA SILICA COMPLIANT*
	 1775E, AG50-10TG	Not Required		 ≤4 hours/shift	Yes 
SMALL ANGLE GRINDERS				 APF 25*	Yes 
4-1/2"-5" 18V 4-1/2"-5" 6" GRINDERS	 1806E, 1812PSD, AG60-Series, GWS13-60(PD)	 18DC-6E (6")	 VAC090A**, VAC090AH**, VAC140A**, VAC140AH**		Yes 

*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 **Bosch recommends using a HEPA filter (VF120H or VF130H) when using a fleece bag ◇ See page 22



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CONCRETE CUTTING

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



DUST SOLUTIONS

- ▶ Largest range of dry concrete cutting solutions available
- ▶ Most dust and material removal per application
- ▶ Best-in-class dust extraction



CHOOSING THE RIGHT SYSTEM

FIND YOUR TUCKPOINTER 5"	TOOL	ATTACHMENT OR ACCESSORY	FILTER & DUST EXTRACTOR	RESPIRATION	OSHA SILICA COMPLIANT*
	 1775E, AG50-10TG	Not Required			Yes 
SMALL ANGLE GRINDERS				Needed when used indoors Needed when used outdoors >4 hours/shift 	Yes 
4-1/2"-5" 18V 4-1/2"-5"	1800-Series, AG40-Series, AG50-Series, GWS10-45-Series, GWS13-50-Series GWS18V-45C, GWS18V-45PC, GWS18V-45PSC (New Q1 2018)	Cutting: 18DC-5E or GA50DC (5")	VAC090A**, VAC090AH**, VAC140A**, VAC140AH**	APF 10* (N95)	
7" GRINDERS	 1853-6, 1853-5, 1772-6, 1873-8(D)	 Cutting: 19DC-7 (7")	Use dust extractor with 175+ CFM	or  RR 6500* (P95)	Yes 
9" GRINDERS	 1893-6, 1894-6	 Cutting: 19DC-9 (9")	Use dust extractor with 225+ CFM		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 **Bosch recommends using a HEPA filter (VF120H or VF130H) when using a fleece bag ◇ See page 22



ATTACHMENTS

CUTTING/DUST COLLECTION ATTACHMENTS



Type 1A (ISO 41)
with Foot



GA50DC



Type 1A (ISO41)
with Foot

ITEM #	DESCRIPTION
18DC-5E, GA50DC	5" dust collection attachment. For use with 4-1/2"-5" 1800 Series, AG Series, GWS10-45 Series, GWS13-50 Series small angle grinders
18DC-6E	6" dust collection attachment. For use with 6" 1800 Series, AG Series, GWS13-60 Series small angle grinders

ITEM #	DESCRIPTION
19DC-7	7" attachment. For use with 1800-Series 7" angle grinders
19DC-9	9" attachment. For use with 1800-Series 9" angle grinders
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. For use with 1800 Series, AG Series, GWS10-45 Series, GWS13-50 Series, GWS13-60 Series small angle grinders



ITEM #	DESCRIPTION
18SG-7 7" SHROUD*	7" concrete surfacing attachment. For use with 1800 Series, 1900 Series large angle grinders (7" Wheel only)

*Not compatible with 1375,GWS 8-Series, GWS 9-Series Small Angle Grinders

TUCKPOINTING ATTACHMENT



ITEM #	DESCRIPTION
TG500	5" tuckpointing attachment—Fits 1775E only
TG502*	5" dust collection attachment. For use with 4-1/2"-5" 1800 Series, AG Series, GWS10-45 Series, GWS13-50 Series small angle grinders

*Not compatible with 1375,GWS 8-Series, GWS 9-Series Small Angle Grinders



No Dust Collection



With PRO+GUARD™ Dust Collection

CONCRETE CUTTING



AUTOMATIC FILTER CLEANING DUST EXTRACTOR

WET*/DRY VAC SERIES

DUST COLLECTION



EFFECTIVE DUST EXTRACTION
150 CFM

AUTOMATIC FILTER CLEANING (AFC)

Every 15 seconds the flat pleated filter is cleaned through a reversed airflow



POWER TOOL ACTIVATION

EASY-TO-CHANGE FLAT FILTERS



POWER BROKER

For allocating power between vacuum and connected power tool; also allows suction control for specialty applications

HOSE AND CORD STORAGE

- Secure vacuum hose wrap
- Power cord hook



AUTOMATIC FILTER CLEANING



ON/OFF BUTTON

- INDICATOR LIGHT**
- No Light = Off
 - Green = On

ROBUST WHEELS

- Jobsite tested rear wheels
- Front caster with brake

*Water level sensor for automatic shut off. Drain / Hose (VAC140A, VAC140AH). Do not use HEPA filter when using wet vacuum setting.

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
- ▶ Rugged Wheels and Locking Caster—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

RATING	120V
FREQUENCY	60 Hz
CANISTER VOLUME (GROSS)	9.25
AIR FLOW	150 CFM (70 ltr./sec.)
STATIC WATER LIFT	97"
NO. OF FILTER CARTRIDGES	1
SOUND PRESSURE LEVEL	71 db
HOSE LENGTH	10 ft.
HOSE PORT INSIDE DIAMETER	2-1/4"
CORD LENGTH	13 ft.
WEIGHT	28.0 lbs.

9-GALLON DUST EXTRACTOR WITH AUTO FILTER CLEANING*

VAC090A

Same features and specifications as
VAC090AH above except:

Cellulose Flat Filter **VF100**

*HEPA Filter sold separately.



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 Locking Caster—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

RATING	120V
FREQUENCY	60 Hz
CANISTER VOLUME (GROSS)	14.5
AIR FLOW	150 CFM (70 ltr./sec.)
STATIC WATER LIFT	97"
NO. OF FILTER CARTRIDGES	1
SOUND PRESSURE LEVEL	71 db
HOSE LENGTH	10 ft.
HOSE PORT INSIDE DIAMETER	2-1/4"
CORD LENGTH	13 ft.
WEIGHT	38.0 lbs.

14-GALLON DUST EXTRACTOR WITH AUTO FILTER CLEANING*

VAC140A

Same features and specifications as
VAC140AH above except:

Cellulose Flat Filter **VF100**

*HEPA Filter sold separately.



CONCRETE

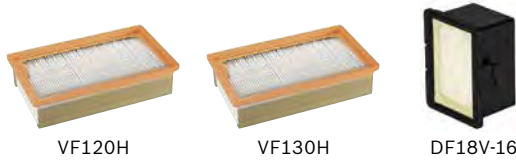


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ATTACHMENTS AND ACCESSORIES FOR VAC SERIES

FILTERS

- Each fits VAC090A, VAC090AH, VAC090S, VAC140A, VAC140AH and VAC140S dust extractors, excluding DF18V-16



ITEM #	DESCRIPTION
VF100	Flat paper (cellulose) filter
VF110	Flat polyester filter
VF120H	Flat HEPA filter
VF130H	Extended life, flat HEPA filter
DF18V-16	Replacement HEPA filter for GDE18V-16 dust collection attachment (see page 11)

HOSES

- Each fits VAC090A, VAC090S, VAC140A 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
- Anti-static hoses help prevent static shock and cling



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

EXTENSION TUBE SET

- Fits VX100 Bend



ITEM #	DESCRIPTION
VX110	Three-piece chrome extension tube (3 ft. total length)

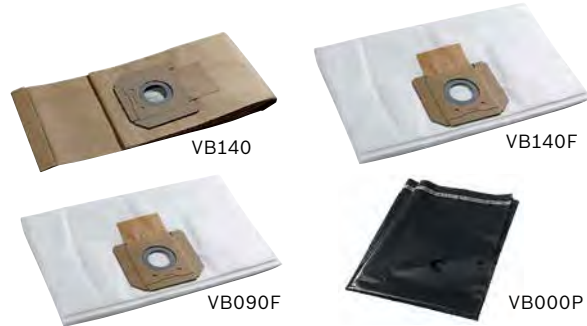
ADAPTER



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

FILTER BAGS

- Each fits VAC090A, VAC090AH, VAC090S, VAC140A, VAC140AH and VAC140S dust extractors
- A fleece filter bag (VB090F, VB090F-30, VB140F and VB140F-30) is recommended when using a HEPA filter



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	Disposable plastic bag—9–14 gal.	10

OTHER

- Fits VH series hoses
- Fits VX100 extension tube set



ITEM #	DESCRIPTION
VX100	Bend, anti-static

THREE-PIECE VACUUM FLOOR NOZZLE SET

- Fits VX110 extension tube set



ITEM #	# OF PIECES	INCLUDES
VX130	3	Floor nozzle set with two inserts (bristles and squeegee)

ATTACHMENTS AND ACCESSORIES FOR 3931 SERIES

AIRSWEEP™ LOCKING VACUUM HOSES

- ▶ 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 model hoses prevent static shock and cling



ITEM #	DESCRIPTION
VAC006	35mm 5-meter (16.4 ft.)—swivels at both ends of hose
VAC008	Anti-static 35mm 5-meter (16.4 ft.)—swivels at tool end of hose

AIRSWEEP™ SIX-PIECE VACUUM WAND AND NOZZLE KIT

- ▶ Fits 35mm hoses and most 1-1/2" vacuum hoses



ITEM #	# OF PIECES	INCLUDES
VAC011	6	(2) straight wands, (1) curved wand, (1) floor nozzle set with three Inserts (smooth floor, carpet and squeegee)—VAC016, (1) crevice tool—VAC017, (1) brush—VAC018

AIRSWEEP™ VACUUM FILTERS

- ▶ Square-filter geometry makes dust less likely to get trapped—high suction power is maintained
- ▶ Cartridge design makes filter installation easy
- ▶ Filters stay in the vacuum cleaner even when wet vacuuming



ITEM #	DESCRIPTION
VAC012	Polyester Filter Cartridges (2 pack)—Capture 99.93% of particles 3.0 microns or larger
VAC019	HEPA Filter Cartridges (2 pack)—Capture 99.997% of particles 0.3 microns or larger. Not for use when vacuuming water or wet materials

AIRSWEEP™ FLEECE DUST BAGS (5 PACK)

- ▶ 5.5-gallon capacity
- ▶ For easier, cleaner disposal of vacuumed materials
- ▶ Only for use when vacuuming dry materials
- ▶ Recommended for vacuuming fine particles like drywall dust, plaster, cement and soot



ITEM #	DESCRIPTION
VAC013	Replacement dust bags for Bosch 3931 and 3931A vacuum cleaners

AIRSWEEP™ VACUUM ATTACHMENTS

- ▶ Fits 35mm wands, hoses and most 1-1/2" wands 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

AIRSWEEP™ WIRE ATTACHMENT BASKET

- ▶ Fits on the rear of 3931 and 3931A vacuum cleaners



ITEM #	DESCRIPTION
VAC014	Stores Bosch 3931 and 3931A vacuum cleaner attachments

AIRSWEEP™ HEAVY-DUTY SLURRY BAGS FOR DRY OR WET MATERIAL (3 PACK)

- ▶ 5.5-gallon capacity
- ▶ Two-layer, waterproof plastic fleece plus fine-pore cellulose filter paper
- ▶ Exceptionally tear resistant
- ▶ Ideally suited for slurry-suction applications



ITEM #	DESCRIPTION
VAC022	Heavy-duty dust bags for Bosch 3931 and 3931A vacuum cleaners for easier, cleaner disposal of wet- or dry-vacuumed materials

AIRSWEEP™ HEAVY-DUTY PLASTIC BAGS (3 PACK)

- ▶ 10-Gallon Capacity—Holds more than 20 times more concrete dust than other paper bags
- ▶ Ideal for concrete work—Unlike paper bags, there are no pores for dust to pass through or clog
- ▶ Exceptionally tear resistant
- ▶ Includes attached cable tie for sealing bag when ready for disposal



ITEM #	DESCRIPTION
VAC023	Heavy-duty plastic bag for use with Bosch 3931 and 3931A vacuum cleaners, only when used with large canister with air valve

CONCRETE



BOSCH



UNIVERSAL VACUUM HOSES AND HOSE ADAPTERS

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



ITEM #	DESCRIPTION
2605702022	Connects 2-1/2" hoses to certain miter saws, planers and routers



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



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

FRICTION-FIT VACUUM HOSE

- ▶ Connect many Bosch power tools and dust extraction hood attachments to vacuum cleaners that have openings for standard 2-1/4" hoses
- ▶ Standard 2-1/4" friction fit



ITEM #	DESCRIPTION
VAC005	35mm, 16.4 ft. swivels at both ends of hose

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>.

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

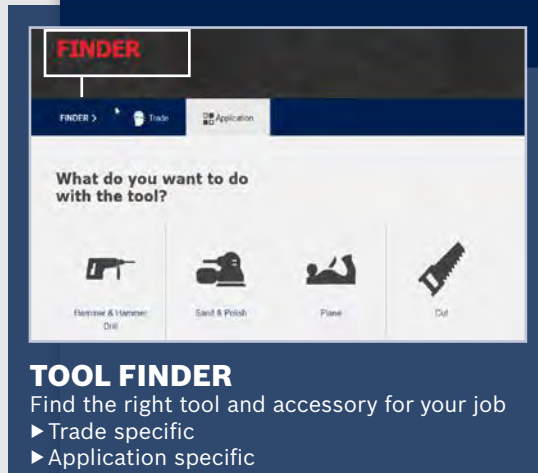
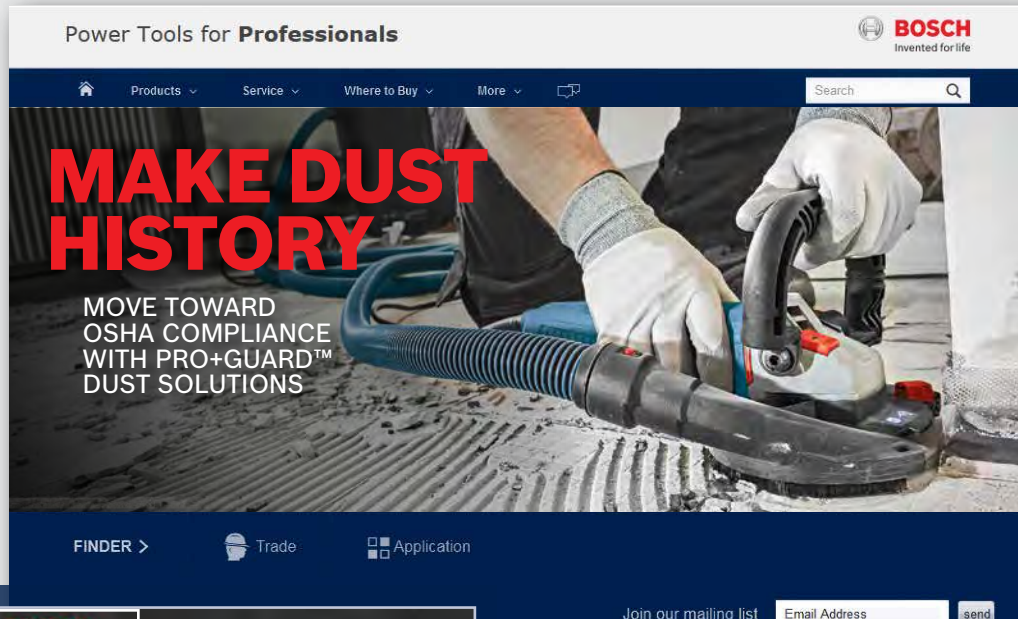
CONCRETE



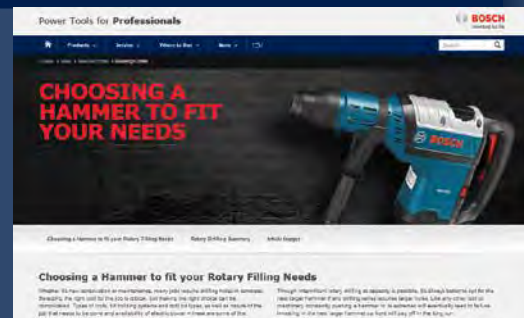
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