



Makita[®]

ANGLE GRINDER

REFERENCE GUIDE



ANGLE GRINDER REFERENCE GUIDE

TECHNOLOGY
PAGE 4

OVERVIEW
PAGE 6

BY APPLICATION
PAGE 8

BY FEATURE
PAGE 9

DUST MANAGEMENT SOLUTIONS
PAGE 10

ACCESSORIES
PAGE 15

INCREASE PRODUCTIVITY ■ ELIMINATE CORDS ■ REDUCE EXCESSIVE NOISE



DISCOVER THE CONVENIENCE OF WIRELESS AUTO-START

Makita's Auto-Start Wireless System (AWS™) uses Bluetooth® technology for wireless power-on and power-off communication between the equipped tool and dust extractor. Once connected via AWS™, your dust extractor will automatically power on or off when your cordless tool starts or stops, running only when your cordless tool is in use.*

LEARN MORE
MAKITATOOLS.COM/AWS

*Available on select models



MAXIMUM PERFORMANCE NO CORDS NEEDED

Unplug the cord and pick up Makita's 18v LXT® X2 tools. Powered by two LXT® batteries, X2 offers more power, speed and run-time without the hassles of a cord. Like all of our other LXT® tools, our X2 lineup is fully compatible with all LXT® batteries and chargers. Tough out bigger jobs with X2 tools and go back to work with any of our 175+ LXT® solutions.

*175+ solutions in 2018. Tools shown with optional accessories



UP TO **50 CUTS**
IN 1" X 1" X 1/8" ANGLE IRON
PER CHARGE
with two 5.0Ah batteries*

LEARN MORE
MAKITATOOLS.COM/LXTX2



CONVENIENT FEATURES FOR INCREASED PRODUCTIVITY

ELECTRIC BRAKE

Electric brake stops the grinding or cut-off wheel for maximum productivity*

ELECTRONIC TORQUE CONTROL

Electronic Torque Control turns the motor off if rotation speed suddenly slows or stops*



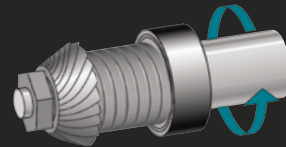
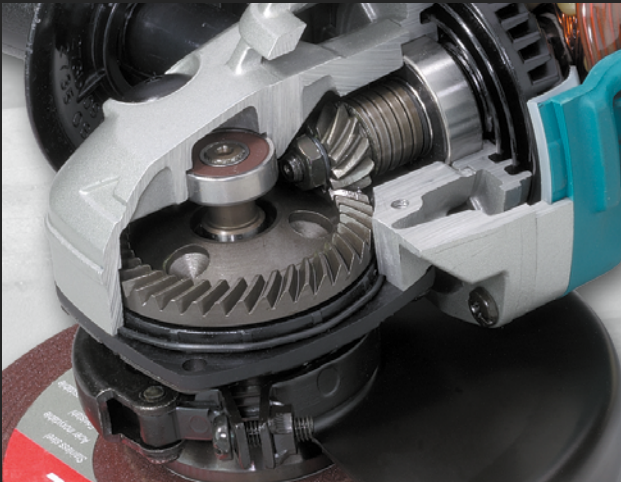
Adjusts speed and torque during operation for optimum performance*

*Available on select models

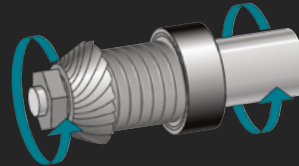
SJS® SUPER JOINT SYSTEM GEAR PROTECTION



SJS® Super Joint System is a mechanical clutch system that helps prevent motor and gear damage in grinders if the wheel is forced to a stop. The drive shaft from the armature to the drive gear is spring-loaded during normal grinding load. If binding occurs or the wheel is forced to stop, the spring is compressed allowing the drive shaft to slip. The gear tension is minimized while the armature continues to rotate, which helps prevent motor burn-out. SJS® is a mechanical clutch system, not electronic, so the grinder does not require a re-start if the wheel binds.



Under normal grinding conditions, the drive shaft is split between the armature and drive gear. The tension of the coil spring holds both sides of the drive shaft rigid.

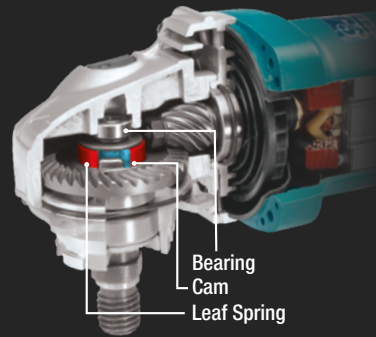


If binding occurs and the wheel is forced to suddenly stop, the coil spring loosens to allow one side of the drive shaft to slip, protecting the gears and extending grinder life.

SJS® II SUPER JOINT SYSTEM VIBRATION REDUCTION



SJS® II provides a leaf spring and cam gear drive mechanism in which vibration generated by the grinding application causes the cam to press against the leaf spring and absorb the vibration that would otherwise be transferred to the operator's hands. SJS® II grinders include a vibration absorbing side handle which provides increased comfort on the job.



With SJS® II

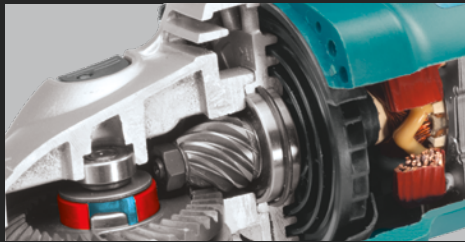


Without SJS® II



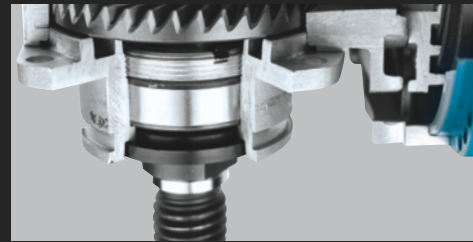
Vibration Absorbing Side Handle
(Included with GA4542C & GA5042C)

LABYRINTH CONSTRUCTION DUST & DEBRIS PROTECTION



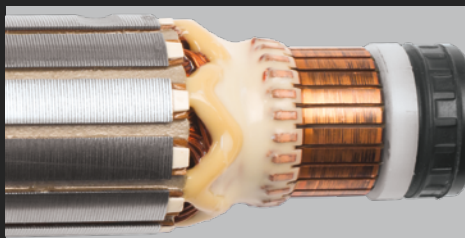
LABYRINTH CONSTRUCTION

A series of channels engineered to capture dust and debris, and prevent contaminants from penetrating gear box and front armature bearing



DUST-SEALED DRIVE BEARINGS

Spring-loaded seal engineered to stop dust and debris from entering drive bearing



DEBRIS MOTOR PROTECTION

Complete zig-zag epoxy is applied to both sides of the armature coil and powder coating to the field for protection from debris and longer tool life

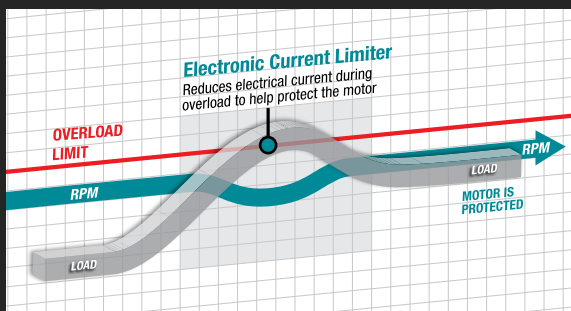
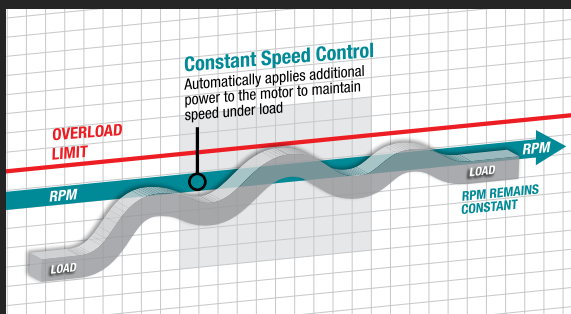


ENLARGED MOTOR FAN

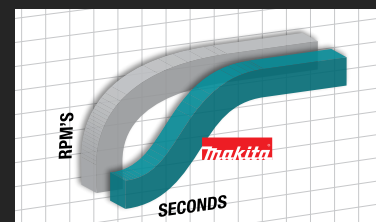
Motor fan is designed with enlarged fins for increased air flow and cooler running motor

ELECTRONICALLY CONTROLLED MOTOR PROTECTION (INCLUDED IN SELECT MODELS)

Electronic Controller All models with "C"



Soft Start









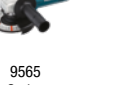


Suppressed start-up reaction for more control and longer gear life

Variable Speed



Enabled user to match the speed to the application for greater versatility

4" - 6" ANGLE GRINDERS

	Model	AMPS	RPM	Switch	No Lock-On	Lock-Off	SJS	SJSII	Electronic Controller	Rotational Brake	Variable Speed	AC/DC	Weight (lbs.)	
 GA4000 Series  9557 Series  9564 Series	4"	GA4030	6.0	11,000	Slide								3.7	
	4-1/2"	GA4530	6.0	11,000	Slide									4.0
		GA4534	6.0	11,000	Paddle	■	■						■	4.2
		9557NB	7.5	10,000	Slide								■	4.5
		9557PB	7.5	10,000	Paddle		■						■	4.5
		9564P	10.0	10,500	Paddle		■	■						5.1
		GA4542C	12.0	2,800-11,000	Slide				■	■			■	5.4
		9564CV	12.0	2,800-10,500	Slide			■		■			■	5.3
9564PC	13.0	10,500	Paddle	■	■	■						5.3		
 XAG Series	4-1/2" - 5"	XAG04T*	18V LXT®	8,500	Slide				■			■	5.0	
	XAG09Z*	18V LXT®	8,500	Slide					■	■		■	5.5	
	XAG11T*	18V LXT®	8,500	Paddle	■	■			■	■		■	5.6	
	NEW XAG16Z*	18V LXT®	8,500	Slide					■	■	■	■	5.7	
	NEW XAG17ZU*	18V LXT®	8,500	Slide				■	■	■	■	■	5.7	
	NEW XAG20Z*	18V LXT®	8,500	Paddle	■	■			■	■	■	■	5.7	
	NEW XAG21ZU*	18V LXT®	3,000-8,500	Paddle	■			■	■		■	■	5.7	
	 9005 Series  GA5000 Series  9565 Series	5"	9558PB	7.5	10,000	Paddle		■					■	4.6
9005B		9.0	10,000	Trigger								■	6.6	
9005BZ		9.0	10,000	Trigger	■							■	6.6	
GA5010Z		10.5	11,000	Trigger	■							■	5.8	
GA5020		10.5	11,000	Trigger	■		■			■		■	5.9	
GA5020Y		10.5	11,000	Trigger	■	■	■			■		■	5.9	
GA5042C		12.0	2,800-10,500	Slide				■	■		■		5.4	
9565CV		12.0	2,800-10,500	Slide			■		■		■		5.2	
9565PC		13.0	10,500	Paddle	■	■	■		■				5.3	
9565PCV		13.0	2,800-10,000	Paddle	■	■	■		■		■		5.3	
 GA6000 Series  9566 Series	6"	GA6010Z*	10.5	10,000	Trigger	■						■	5.9	
	GA6010ZX2	10.5	10,000	Trigger			■			■		■	5.9	
	GA6020	10.5	10,000	Paddle					■					
	GA6020YX1*	10.5	10,000	Trigger		■	■			■		■	6.7	
	9566CV*	12.0	4,000-9,000	Slide			■		■		■		5.3	
	9566PCX1*	13.0	9,000	Paddle	■	■	■		■				5.5	




*Includes Cutting Wheel

7" - 9" ANGLE GRINDERS

	Model	AMPS	RPM	Switch	No Lock-On	Lock-Off	SJSI	Electronic Controller	Rotational Brake	Rotatable Handle	AC/DC	Debris Cover	Weight (lbs.)
	GA7001L	15.0	6,000	Trigger							■		12.6
	GA7911	15.0	6,000	Trigger							■		12.2
	GA7011C	15.0	6,000	Trigger Handle			■						7.5
	GA7021	15.0	6,000	Trigger Handle							■		12.2
	GA7031Y	15.0	8,500	Trigger		■				■	■	■	13.5
	GA7040S	15.0	8,000	Trigger Handle			■	■		■			14.2
	GA7060	15.0	8,500	Trigger Handle	■	■					■		12.2
	GA7061	15.0	8,500	Trigger	■	■	■				■	■	15.8
	NEW XAG12PT1*	18V X2 (36V)	7,800	Trigger Handle	■	■		■	■			■	11.4
	Model	AMPS	RPM	Switch	No Lock-On	Lock-Off	SJSI	Electronic Controller	Rotational Brake	Rotatable Handle	AC/DC	Debris Cover	Weight (lbs.)
	GA9040S	15.0	6,600	Trigger Handle			■	■		■			12.2
	GA9031Y	15.0	6,600	Trigger	■	■				■	■	■	12.2
	GA9060	15.0	6,000	Trigger Handle	■	■					■		7.5
	NEW XAG13PT1*	18V X2 (36V)	6,000	Trigger Handle				■	■				

*Includes Cutting Wheel Guard

SPECIALTY GRINDERS

	Model	AMPS	RPM	Switch	No Lock-On	Lock-Off	SJSI	Electronic Controller	Rotatable Handle	AC/DC	Weight (lbs.)	
	PC5000C	10.0	10,000	Trigger				■			8.9	
	PC5001C	10.0	10,000	Trigger				■			11.2	
	GA5040X1	10.0	10,000	Slide			■				7.8	
	GA5042CX1	12.0	11,000	Slide			■	■			13	
	Model	AMPS	RPM	Switch	No Lock-On	Lock-Off	SJSI	Electronic Controller	Rotatable Handle	AC/DC	Weight (lbs.)	
	GS5000	7.0	5,600	Trigger	■	■						11.1
	Model	AMPS	RPM	Switch	No Lock-On	Lock-Off	SJS	Electronic Controller	Variable Speed	AC/DC	Weight (lbs.)	
	GD0600	3.5	25,000	Paddle	■	■				■		3.7
	GD060 1	3.5	25,000	Slide						■		3.7
	GD0603	2.2	28,000	Switch							■	2.1
	GD0800C	6.6	7,000 - 28,000	Slide			■	■	■			3.7
	GD0801C	6.6	7,000 - 29,000	Slide	■	■	■	■	■			3.7
XDG01	18V LXT®	25,000	Slide				■				4.4	

METAL GRINDING



CUTTING & TUCK POINTING (Metal / Masonry)



All grinders equipped with cutting wheel and guard as standard equipment



CONCRETE SURFACE GRINDING (Masonry)

Recommended for use with dust shroud



FUNCTIONS	MODEL		
	4-1/2"	4-1/2" - 5"	6"
SJS®	9564PC 9564CV 9564P	GA5020/Y 9596PC 9565CV 9565PCV	GA6020/Y/X1 9566PC 9566CV
Electronic Controller	9564PC 9564CV GA4542C	9565PC 9565CV 9565PCV GA5042C	9566CV 9566PC
 No Lock-On / No Lock-Off / Tool-less Wheel Guard	9564PC 9564P	9565PCV 9565PC GA5020Y	9566PC
Electric Brake / No Lock-On Switch / Tool-less Wheel Guard	—	GA5020	GA6020
Electric Brake / No Lock-On / Lock-Off / Tool-less Wheel Guard	—	GA5020Y XAG04T XAG09Z XAG11T	GA6020Y/X1
 SJS® II / Electronic Controller / Lock-On / No Lock-Off / Tool-less Wheel Guard	GA4542C	GA5042C	—

TWO TYPES OF LOCK-OFF



Lock-Off Tab


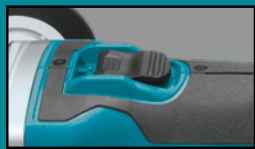




Lock-Off Button

No Lock-On
Power switch that does not lock in the "ON" position

Lock-Off
Power switch that requires 2 steps to turn on

ANGLE GRINDER HANDLE AND SWITCH TYPES

HANDLE / SWITCH TYPE	MODEL					
	4"	4-1/2"	5"	6"	7"	9"
 Paddle Switch	—	GA4534 9557PB 9564P 9564PC	9558PB 9565PC/PCV XAG11T XAG20Z XAG20ZU XAG21ZU	9566PC 9566PCX1	—	—
 Slide Switch	GA4030	GA4530 GA4542C 9557NB 9564CV XAG04Z XAG09Z	GA5042C 9565CV XAG16Z XAG17ZU	9566CV	—	—
 "Rat Tail" Trigger Handle	GA4030	—	GA5010Z GA5020 GA5020Y	—	GA7060 GA7021 GA7040S GA7061 XAG12PT1	GA9060 GA9040S XAG13PT1
 "Rat Tail" Trigger	—	—	—	GA6010Z GA6020 GA6020YX1	GA7031Y GA7001L GA7911	GA9031Y

GET
OSHA ✓
COMPLIANT

**COMPLIANT PRODUCTS TO OSHA
CRYSTALLINE SILICA RULE 29 CFR 1926.1153**

Today there is new demand for more solutions to reduce concrete silica dust on the job site. Makita® has an expanding dust extraction system with vacuums, accessories and attachments for use in concrete drilling, breaking, surfacing and cutting applications. Makita® provides the options you need to build an OSHA compliant system for your job site, even if the job takes you away from a power source.



LEARN MORE
[MAKITATOOLS.COM/DUSTMANAGEMENT](https://www.makitatools.com/dustmanagement)

OCCUPATIONAL EXPOSURE TO RESPIRABLE CRYSTALLINE SILICA

RULE 29 CFR 1926.1153

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

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

ENFORCEMENT & COMPLIANCE:

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

KEY PROVISIONS OF OSHA RULE 1926.1153

Reduces the permissible exposure limit (PEL) for respirable crystalline silica to 50 micro grams per cubic meter of air, averaged over an 8-hour shift.

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

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

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

METHODS OF COMPLIANCE

OPTION
1

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

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

OPTION
2

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

OPTION
3

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

SPECIFIED EXPOSURE CONTROL METHOD

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

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

KEY REQUIREMENTS:

- Use commercially available water delivery system or dust shroud
- Operate and maintain tool in accordance with manufacturer's instructions to minimize dust emissions
- Dust collector must have a filter with 99% or greater efficiency and a filter-cleaning mechanism
- Dust collector must provide 25 CFM or greater of airflow per inch of wheel diameter
- Respiratory equipment may be required under certain conditions



HYBRID
CORDLESS OR CORDED
USES TWO 18V LXT BATTERIES

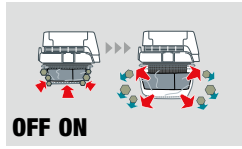
LXT X2 18V + 18V 36V

XCV04Z
18V X2 LXT® (36V) 2.1 Gallon HEPA Filter Dry Dust Extractor/Vacuum (Tool Only)

- Powerful Makita-built motor delivers 127 CFM and 96" water lift of suction using corded power
- Powerful Makita-built motor delivers 74 CFM and 36" water lift of suction using two 18V LXT® Lithium-Ion batteries (batteries not included)
- Efficient three stage HEPA filtration system captures large, small and micro dust particulates extending the life of the main HEPA filter
- Up to 65 minutes of continuous run time on low setting and 30 minutes on high setting using two 18V LXT® 5.0Ah batteries (batteries not included)
- Filter cleaning system is designed to maintain optimum suction efficiency and longer filter life
- Precision lightweight motor components and efficient air ducting produce a vacuum weight of only 21.8 lbs with batteries (batteries not included)



POWER
Delivers 127 CFM and 96" water lift using corded power



OFF ON

FILTER CLEANING
Filter cleaning system is designed to maintain optimal suction efficiency



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



AWS
AUTO-START WIRELESS SYSTEM
USES TWO 18V LXT BATTERIES

NEW **LXT X2 18V + 18V 36V BRUSHLESS**

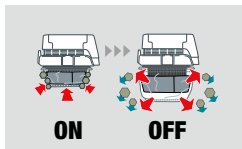
XCV08Z
18V X2 LXT® (36V) Brushless 2.1 Gallon HEPA Filter Dry Dust Extractor, with AWS™

Also Available
XCV072X
without AWS

- Powerful BL™ Brushless motor delivers 74 CFM and 39" water lift of suction using two 18V LXT® Lithium-Ion batteries (batteries not included)
- Efficient three stage HEPA filtration system captures 99.97% of particulates .3 microns and larger
- Filter cleaning system is designed to maintain optimal suction efficiency and longer filter life
- Auto-start Wireless System (AWS™) utilizes Bluetooth® technology for wireless power-on/off communication between tool and dust extractor
- Up to 75 minutes of run time on low setting and 40 minutes on high setting using two 18V LXT® 5.0Ah batteries BL1850B (batteries not included)
- The BL™ Brushless Motor eliminates carbon brushes, enabling the BL™ Motor to run cooler and more efficiently for longer life



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



ON OFF

FILTER CLEANING
Filter cleaning system is designed to maintain optimal suction efficiency



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



P-79859
HEPA Filter Available (Not Included)

Xtract Vac®
Auto-Filter Cleaning System

VC4710
12 Gallon Xtract Vac® Wet/Dry Dust Extractor

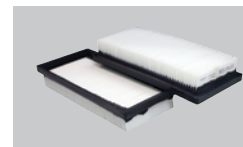
- Automatic Filter Cleaning System with blow-back feature is timed at set intervals to maintain filter performance for longer filter life
- Included: Efficient main nano filter set (captures 99.95% particles 2 microns and larger)
- Onboard tool-activated outlet starts and stops vacuum with power tool usage
- 10 second delay after power tool shut off to clear hose of remaining debris
- Variable speed control dial for a variety of applications
- Complies with Specified Exposure Control Methods of the OSHA standard for Occupational Exposure to Respirable Crystalline Silica (rule 1926.1153)



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



PERFORMANCE
Automatic filter cleaning system with blow-back feature is timed at set intervals for longer filter life



EFFICIENCY
Efficient three stage HEPA Included: Efficient main nano filter set (captures 99.95% particles 2 microns and larger)













CUTTING / TUCK-POINTING APPLICATIONS

OSHA RULE TABLE 1: HANDHELD GRINDERS FOR MORTAR REMOVAL

MAKITA® DUST EXTRACTION OSHA COMPLIANT SOLUTIONS


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

GET
OSHA
COMPLIANT 

APPLICATION	APPLICABLE TOOLS	DUST ATTACHMENT	CONNECTION ADAPTER	DUST EXTRACTOR	OSHA 29 CFR 1926.1153 COMPLIANT
 4-1/2" – 5" Cutting / Tuck-Pointing	9557 Series, 956 Series, GA502 Series, XAG03 - XAG21	196846-1 5" Dust Extraction Tuck Point Guard 	Included	 XCV042 18V X2 LXT® (36V) Cordless/Corded 2.1 Gallon HEPA Filter Dry Dust Extractor/Vacuum	YES Option 1. Under Table 1 of Specified Exposure Control Methods*
	SJSII: GA5042C, GA4542C	196845-3 5" Dust Extraction Tuck Point Guard 			
	9557 Series, 956 Series, GA502 Series, XAG03 - XAG21	192618-2 5" Dust Extraction Cutting Guard 			
	9557 Series, 956 Series, GA502 Series, XAG03 - XAG21	193794-5 5" Dust Extraction Cutting Guard 			
 5" Cutting / Tuck-Pointing	9557 Series, 956 Series, GA502 Series	196846-1 5" Dust Extraction Tuck Point Guard 	Included	 VC4710 12 Gallon Xtract Vac® Wet/Dry Dust Extractor	YES Option 1. Under Table 1 of Specified Exposure Control Methods
	SJSII: GA5042C, GA4542C	196845-3 5" Dust Extraction Tuck Point Guard 			
	9557 Series, 956 Series, GA502 Series	193794-5 5" Dust Extraction Cutting Guard 			
	9557 Series, 956 Series, GA502 Series	192618-2 5" Dust Extraction Cutting Guard 			


*XCV04 Dust extractor must be utilized in AC mode (plugged into power outlet) in order to achieve the CFM requirement for this application.

CUTTING / TUCK POINTING (DUST EXTRACTOR ATTACHMENTS)




**196846-1 / 196845-3
5" Dust Extraction Tuck Point Guard**

- Easily adjustable depth setting for quick changes
- For use with Makita 5" SJS™ angle grinders (196846-1) and Makita 5" SJS™ II angle grinders (196845-3)




**193794-5 / 192618-2
5" Dust Extraction Cutting Guard**


- For use while cutting concrete, tile and expansion joints
- Use with Makita 4-1/2" & 5" grinders (except 9005B). Use with Makita hose (192108-A)




Fully featured tuck point guard for precision cutting and maximum dust extraction



Adjustable depth setting for quick changes



Quick clean-ups during cutting applications



For use with select Makita 4-1/2" and 5" Angle Grinders











GRINDING / SURFACING APPLICATIONS

OSHA RULE TABLE 1: HANDHELD GRINDERS FOR USES OTHER THAN MORTAR REMOVAL

MAKITA® DUST EXTRACTION OSHA COMPLIANT SOLUTIONS



4-1/2" – 7" GRINDING / SURFACING (COMPATIBLE CORDLESS & CORDED DUST EXTRACTORS)


APPLICATION	APPLICABLE TOOLS	DUST ATTACHMENT	DUST EXTRACTOR	OSHA 29 CFR 1926.1153 COMPLIANT
 4-1/2" – 5" Grinding / Surfacing	9557 Series, 956 Series, GA502 Series, XAG03, XAG04, XAG09, XAG11	195236-5 4-1/2" / 5" Dust Extraction Surface Grinding Shroud 	XCV04Z 18V X2 LXT® (36V) Cordless/ Coded 2.1 Gallon HEPA Filter Dry Dust Extractor/Vacuum 	YES Option 1, Under Table 1 of Specified Exposure Control Methods*
 	PC5000C, PC5001C	Integrated		
 7" Grinding / Surfacing	9557 Series, 956 Series, GA502 Series, XAG03, XAG04, XAG09, XAG11	195236-5 4-1/2" / 5" Dust Extraction Surface Grinding Shroud 	VC4710 12 Gallon Xtract Vac® Wet/Dry Dust Extractor 	
 	PC5000C, PC5001C	Integrated		
 7" Grinding / Surfacing	GA7011C, GA7040S, GA9040S	195386-6 7" Dust Extraction Surface Grinding Shroud 		YES Option 2, Performance (Objective Data)**

*XCV04 Dust extractor must be utilized in AC mode (plugged into power outlet) in order to achieve the CFM requirement for this application.

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

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

GRINDING / SURFACING (DUST EXTRACTOR ATTACHMENTS)




(4-1/2" – 5")
195236-5


(7")
195386-6

195236-5 / 195386-6
4-1/2" - 7" Dust Extraction Surface Grinding Shroud

- Soft brushes help prevent dust from escaping and help move the tool over the surface
- 4-spring suspension system keeps shroud flush with surface during movement
- Removable edge piece allows surface work flush to other objects



Standard hose fitting will work with most vacuum systems



Removable front cap for flush to wall grinding

PRECISION CUTTING (DUST EXTRACTOR ATTACHMENT)



NEW

198509-5 9" Dust Extraction Cutting Guard

- Fully Featured Sawing Guard for Precision Cutting and Maximum Dust Extraction
- Easily adjustable depth setting allows up to 2-3/8" cutting depth when used with a 9" cutting blade
- For use with Makita XAG12Z and XAG13Z



Designed for dust extraction during cutting applications



Adjustable depth stops allows for quick and easy depth-of-cut adjustment

ABRASIVES

Grinding Wheels

INOX Grinding Wheels

- Aggressive composition for faster material removal
- Reduced vibration for superior user experience
- Available in 4-1/2"-6" sizes for a variety of applications



General Purpose Grinding Wheels

- Aluminum oxide abrasive grains are evenly distributed to give a smooth surface
- Ideal for grinding ferrous metals, metal, polishing, general flat grinding, surfacing, and grinding masonry
- Available in 4"-9" sizes for a variety of applications



Cut-Off Wheels

- For cutting all ferrous metals
- Cut-off wheels specifically for making cuts in stainless steel also available
- Available in 4-1/2" to 6" sizes



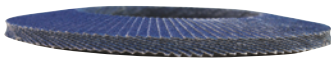
Resin Fiber Discs

- Specially formulated resin bond coat for increased durability and efficiency
- Applications include blending, deburring, finishing and grinding
- Use with corresponding rubber pad and lock nut



Flap Discs

Angled Design (Type 29)



- Ensures 90% of the abrasive material is in contact with the work surface, providing a superior cut rate and maximum disc life
- For weld head blending, removing weld slag, deburring, edge blending, surface conditioning, and metal fabrication
- Works at 10° and 25° angle

Flat Design (Type 27)



- Phenolic backing prevents backing from scratching work surface
- Best for use on miter joints, corners and edges
- Excellent finish consistency at a working angle of 0° to 15°

Wire Wheels

Crimped Wire Wheels



- Suited for large surface areas
- Ideal for removing paint and other types of coatings
- Made of carbon-steel wire for durability
- Works at 10° and 25° angle

Knot Wire Wheels



- Durable carbon steel wire construction
- Rugged knot construction
- Ideal for weld preparation and cleaning, also good for removing heavy corrosion scale

DIAMOND BLADES

Tuck Point

Dual Sandwich Blade



- The cutting action of the dual sandwich design is engineered to create less dust than solid tuck point blades
- Available in 4", 4-1/2" and 5" diameters
- Use with Makita Dust Extracting Tuck Point Guard

Continuous

← SMOOTHER



- Fast, smooth cuts in tile, porcelain and stone
- Optimum bond matrix provides a faster, longer, smoother diamond blade
- Available in 4" and 7" diameters

Turbo



- Constant contact with material delivers a smoother finish than segmented blades
- Optimum bond matrix provides a faster, longer, smoother diamond blade
- Available in multiple sizes and material types

Segmented

FASTER →



- Segment slots help deliver a faster, cooler cut in multiple applications
- Optimum bond matrix provides a faster, longer, smoother diamond blade
- Available in multiple sizes and material types



GET **OSHA** COMPLIANT

**COMPLIANT PRODUCTS TO OSHA
CRYSTALLINE SILICA RULE 29 CFR 1926.1153**

Today there is new demand for more solutions to reduce concrete silica dust on the job site. Makita® has an expanding dust extraction system with vacuums, accessories and attachments for use in concrete drilling, breaking, surfacing and cutting applications. Makita® provides the options you need to build an OSHA compliant system for your job site, even if the job takes you away from a power source.

 **LEARN MORE**
[MAKITATOOLS.COM/DUSTMANAGEMENT](https://www.makitatools.com/dustmanagement)