



HILTI SUBMITTAL PACKAGE OSHA 1926.1153 TABLE 1, SECTION x AND SECTION vii


**Section x: Jackhammers and handheld
powered chipping tools**

**Section vii: Handheld and stand-mounted drills
(including impact and
rotary hammer drills)**

Current Hilti SDS-max rotary hammers that use a DRS-Y shroud:

- TE 50-AVR
- TE 60-A36
- TE 60-AVR
- TE 60-ATC/AVR
- TE 70-AVR
- TE 70-ATC/AVR
- TE 80-ATC/AVR



 For instructions on how to assemble
these systems, please refer to the
Hilti North America Youtube page

 DRS-Y

OSHA 1926.1153 TABLE 1 REQUIREMENTS

These systems fall under OSHA 1926.1153 table 1, **section x: jackhammers and handheld powered chipping tools and section vii: handheld and stand-mounted drills (including impact and rotary hammer drills)**. In order to be OSHA 1926.1153 table 1 compliant, the below requirements must be met:

Options for chiseling applications

- Use tool with water delivery system that supplies a continuous stream or spray of water at the point of impact

OR

Options for drilling or chiseling applications

- Use tool equipped with commercially available shroud or cowling 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
- Have a filter with 99% or greater efficiency and a filter-cleaning mechanism

Note: Vacuum must be equipped with a HEPA-filter when cleaning holes

OSHA 1926.1153 Table 1 requires a respirator to be worn in certain environments based on the time of the application. Check below to see when an APF 10 respirator must be worn.




















Equipment / Task	Engineering and work practice control methods	Required respiratory protections 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 cowling 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
	<ul style="list-style-type: none"> • When used outdoors 	None	None
Jackhammers and handheld powered chipping tools	Use tool with water delivery system that supplies a continuous stream or spray of water at the point of impact.	None	APF 10
	<ul style="list-style-type: none"> • When used outdoors • When used indoors or in an enclosed area 	APF 10	APF 10
OR			
	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.	None	APF 10
	<ul style="list-style-type: none"> • When used outdoors • When used indoors or in an enclosed area 	APF 10	APF 10

Check below to see how your system can be compliant with OSHA 1926.1153 Table 1. To verify the generation of your tool, check the rating plate, or call Hilti at 800-879-8000 with your serial number. To check fit of the DRS-Y with older tool generations, check the sticker on the inside of the case on the DRS-Y, or refer to the instruction manual.

Tool models*	Accessory	Vacuums (can use any)	Method of compliance
TE 50 TE 50-AVR TE 60-A36 TE 60 TE 60-AVR TE 60-ATC/AVR TE 70-AVR TE 70-ATC/AVR TE 80-ATC/AVR	DRS-Y (Item number 2055718)	VC 75-1-A22 ¹ VC 125-6 VC 125-9 VC 20-U VC 40-U VC 40-UE VC 150-6 X VC 150-10 X VC 150-6 XE VC 150-10 XE VC 300-17 X	All OSHA 1926.1153 table 1 compliant

SYSTEM OVERVIEW

Hilti SDS-max rotary hammers are OSHA 1926.1153 table 1 compliant for both drilling and chiseling applications through use of a dust collection shroud hooked up to a vacuum that meets OSHA 1926.1153 table 1 requirements. Hilti currently offers the below systems with this configuration:

Tool	Accessory	Vacuum (use any)
		
TE 50-AVR		
		
TE 60-A36		VC 125-6
		
TE 60-AVR		VC 125-9
		
TE 60-ATC/AVR	TE DRS-Y	VC 20-U
		
TE 70-AVR		VC 150-6 X
		
TE 70-ATC/AVR		VC 40-U
		
TE 80-ATC/AVR		VC 150-6 XE
		
		VC 150-10 X
		
		VC 40-UE
		
		VC 150-10 XE
		
		VC 300-17 X

Note: previous generations of tools may have different item numbers or nomenclature. Check with your local Hilti representative or product instruction manual to verify
 1 If a decrease in suction occurs with the VC 75-1-A22, Hilti's manufacturer guidelines recommends pushing the filter cleaning button on the tool to clear the filter.

DRILLING — ROTARY HAMMER DRILLS AND COMBI-HAMMERS

TE Dust Control — OSHA

Hilti developed drilling dust collection systems with a shroud, to be attached to a Hilti vacuum with a filter cleaning mechanism and 99% filter efficiency, compliant with OSHA 1926.1153, Table 1.

Set-up

1. Attach the appropriate dust collection shroud to the drill.
2. Insert the bit. Rotate the bit in the chuck until you hear a clicking noise to verify that the bit is firmly inserted into the chuck.
3. Choose the correct collector based on the system and insert being used.
4. Set the proper depth using the depth gauge mechanism on the shroud. This will either be a depth gauge rod (DRS-Y, hollow drill bits) or a set of tabbed stops (DRS 4-A/6-A/M, DRS-S). A depth gauge is not needed on the DRS-Y when using the attachments for chiseling.
5. Verify that the bit is flush or below the surface of the dust collection device. Note that for the DRS-Y, with 24" bits, the bit will extend approximately 1" beyond the shroud. When chiseling with the DRS-Y, the chisel will extend beyond the head of the chiseling shroud to allow the insert to chisel.
6. When drilling, make sure that drilling shroud extends and retracts freely.
7. Start vacuum.
8. Verify proper operation of the dust collection system, including suction at the extraction head
 - Check for damage or leaks in the vacuum, hose, and extraction head.
 - See instructions for vacuum.

Drilling

1. Start the vacuum before beginning to drill.
 - Hold the drill perpendicular to the work surface and keep the extraction head in contact with the work surface.
2. To maximize dust collection, after the hole is drilled, slowly withdraw bit from the hole, and keep the drill running until the bit is fully withdrawn.

Cleaning and maintenance

- See instructions for vacuum.



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