




HILTI SUBMITTAL PACKAGE OSHA 1926.1153 TABLE 1, SECTION vii

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

Current Hilti rotary hammers that use a DRS-D shroud:

- TE 2 (and 2-S)
- TE 3-C
- TE 7
- TE 4-A 22
- TE 6-A 36
- TE 7-C
- TE 30 (and 30-C)
- TE 30-A36
- TE 40-AVR
- 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



OSHA 1926.1153 TABLE 1 REQUIREMENTS

These systems fall under OSHA 1926.1153 Table 1, **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:

- 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
- 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

Table 1 states that no respirator is required if the above controls are fully and properly implemented.

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
		None	None

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.





















DRS module name	Tool name and generation	Vacuums (can use any)	Method of compliance
TE 2 series TE 3-C series TE 7 series TE 4-A 22 TE 6-A 36 TE 30 series TE 30-A 36 TE 40-AVR TE 50-AVR TE 60 series TE 60-A36 TE 70 series TE 80-ATC/AVR	DRS-D (Item number 2191207)	VC 75-1-A22 ^{1,2} VC 125-6 VC 125-9 VC 20-U VC 40-U VC 40-UE VC 150-6 XE VC 150-10 XE VC 300-17 X	All OSHA 1926.1153 Table 1 compliant

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.
 2 When used with the DRS-D with an SDS-Max tool, the VC 75 can be used for dust collection when drilling diameters up to 32 mm when used on wall and floor applications.



















SYSTEM OVERVIEW

Hilti rotary hammers with a DRS-D are OSHA 1926.1153 Table 1 compliant through use of a dust collection shroud hooked up to a vacuum that meets OSHA 1926.1153 Table 1 requirements. This shroud attaches to the vacuum and suctions itself to the drilling surface, the drill is then placed in the center of the DRS-D opening to start drilling.

Hilti currently offers the below systems with this configuration:

Tool	Accessory	Vacuum (use any)
 <p>TE 2-A 18</p>		 <p>VC 75-1-A22¹</p>
 <p>TE 2 and TE 2-S</p>		
 <p>TE 3-C</p>		 <p>VC 125-6</p>  <p>VC 125-9</p>
 <p>TE 7 and TE 7-C</p>  <p>TE 4-A 22</p>	 <p>DRS-D</p>	 <p>VC 20-U</p>  <p>VC 40-U</p>
 <p>TE 6-A 36</p>  <p>TE 7-A</p>		 <p>VC 150-6 XE</p>  <p>VC 40-UE</p>
 <p>TE 30 and TE 30-C</p>  <p>TE 30-A 36</p>		
 <p>TE 40-AVR</p>		 <p>VC 150-10 XE</p>  <p>VC 300-17 X</p>

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.

Tool	Accessory	Vacuum (use any)	
 TE 50-AVR			
 TE 60-A36		 VC 75-1-A22 ^{1,2}	
 TE 60-AVR		 VC 125-6	 VC 125-9
 TE 60-ATC/AVR		 VC 20-U	 VC 40-U
 TE 60-A36	 DRS-D	 VC 150-6 XE	 VC 40-UE
 TE 70-AVR		 VC 150-10 XE	 VC 300-17 X
 TE 70-ATC/AVR			
 TE 80-ATC/AVR			

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.

2 When used with the DRS-D with an SDS-Max tool, the VC 75 can be used for dust collection when drilling diameters up to 32 mm when used on wall and floor applications.

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 DRS-D to the vacuum.
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. Turn on the vacuum, making sure automatic filter cleaning is turned off.
4. Place DRS-D onto drilling surface.
5. Verify that the DRS-D is flush to the wall and has sealed itself in place.
6. Verify proper operation of the dust collection system.
 - Check for damage or leaks in the vacuum, hose, and extraction head.
 - See instructions for vacuum.
 - See instructions for vacuum.

Drilling

1. Start to drill.
 - Hold the drill perpendicular to the work surface and keep the bit in contact with the work surface inside the DRS-D.
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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