




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-S 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 40-AVR
- TE 50-AVR
- 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-S

TABLE 1 REQUIREMENTS

These systems fall under table 1, **section vii: handheld and stand-mounted drills (including impact and rotary hammer drills)**. In order to be 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 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	DRS-S (Item number 340602)	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	All table 1 compliant
TE 50-AVR TE 60 series TE 70 series TE 80-ATC/AVR	Depth gauge* and DRS-S required	VC 300-17 X	



















*The correct depth gauge will depend on your model of tool. For questions, check your instruction manual or call Hilti at 800-879-8000.

SYSTEM OVERVIEW

Hilti rotary hammers with a DRS-S are table 1 compliant through use of a dust collection shroud hooked up to a vacuum that meets table 1 requirements. This shroud attaches to the depth gauge on the tool, and must be purchased separately for tools with an SDS-max connection. Any Hilti rotary hammer with a depth gauge will be table 1 compliant with the DRS-S if a Hilti vacuum is used. Hilti currently offers the below systems with this configuration:

Tool	Accessory	Vacuum (use any)		
 TE 2 and TE 2-S		 VC 125-6	 VC 125-9	
 TE 3-C		 VC 20-U	 VC 150-6 X	
 TE 7 and TE 7-C	 DRS-S	 VC 150-6 XE	 VC 40-U	
 TE 4-A 22		 TE 6-A 36	 VC 150-10 X	 VC 40-UE
 TE 7-A		 TE 30 and TE 30-C	 VC 150-10 XE	 VC 300-17 X
 TE 30-A 36		 TE 40-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

Tool	Accessory	Vacuum (use any)	
 TE 50-AVR		 VC 125-6	 VC 125-9
 TE 60-AVR		 VC 20-U	 VC 150-6 X
 TE 60-ATC/AVR	 Depth gauge (sold separately)	 VC 150-6 XE	 VC 40-U
 TE 70-AVR	 DRS-S	 VC 150-10 X	 VC 40-UE
 TE 70-ATC/AVR		 VC 150-10 XE	 VC 300-17 X
 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

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)
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.
6. 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.