



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-C shroud:

- TE 3-C/-M
- TE 7/-C
- TE 4-A 22
- TE 6-A 22/36
- TE 30 (30-C and A36)
- TE 300-A





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

OSHA 1926.1153 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. • When used outdoors	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 3-C/-M TE 7/-C TE 4-A 22 TE 6-A 22/36 TE 30 (30-C and A36) TE 300-A	DRS-C (Item number 2213351)	VC 75-1-A22 ¹ 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.

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 3-C</p>	 <p>DRS-C</p>	 <p>VC 75-1-A22¹</p>
 <p>TE 7 and TE 7-C</p>		 <p>VC 125-6</p>  <p>VC 125-9</p>
 <p>TE 4-A 22</p>		 <p>VC 20-U</p>  <p>VC 40-U</p>
 <p>TE 6-A 36</p>		 <p>VC 150-6 XE</p>  <p>VC 40-UE</p>
 <p>TE 7-A</p>		 <p>VC 150-10 XE</p>  <p>VC 300-17 X</p>
 <p>TE 30 and TE 30-C</p>		
 <p>TE 30-A 36</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.

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-C, 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-C 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-C, with 24" bits, the bit will extend approximately 1" beyond the shroud. When chiseling with the DRS-C, 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 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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