

FireLock® Automatic Sprinkler Wrenches

PRODUCT DESCRIPTION



**Model V27
Socket**



**Model V27
Open End**



**Model V29
Concealed**



**Model V34
Recessed**



**Model V36
Recessed/Concealed**
(used with Models V36 or
V39 sprinklers)



**Models V34 & V36
Open End**
(used with Models V34 or
V36 sprinklers)



**Model V38-3
Recessed**



**Model V38-4
Socket Concealed**



**Model V38-5 or Model V29-1
Tee Handle Socket**

Victaulic® provides a variety of wrenches to speed and ease sprinkler installation. Each wrench is designed to fit the particular sprinkler frame style identified. These wrenches should only be used for installation of the designated style sprinkler and no other type wrench should be used or warranty is void.

Most Victaulic sprinklers have a unique hex-head design to allow wrench engagement from a greater variety of angles and positions than conventional sprinklers.

In addition to standard offset open end wrenches, there is a socket for some sizes and open sided specialized wrenches for recessed or concealed installation.

DIMENSIONS

Frame Style	Wrench Style/Wrench Model				
	Open End	Recessed	Concealed	Socket	Tee-Handle
V25	V27	V38-3			
V27	V27	V38-3	V38-3	V27@	
V29				V29	V29-1
V34	V34	V34			
V36	V36	V36	V36		
V38	N/A		V38-3	V38-4	V38-5*
V39			V39		
K1	V34				
V10	Use any commercially available wrench.				

*Models V38-4 and V38-5 sprinkler wrenches are for use on Models V3804 and V3806 residential sprinklers.
 @ Models V2705, V2706, V2707, and V2708 only.

ORDERING INFORMATION

Please specify the following when ordering:

- Sprinkler Model Number
- Style
- Thread Size
- Quantity
- Wrench Model Number

WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

MATERIAL SPECIFICATIONS

Open End: Ductile iron casting - machined and painted black

Recessed/Concealed: Stainless steel per UNS S30400 or steel per UNS G41400.

Socket: Stainless steel per UNS S30400 or steel per UNS G41400 or cold rolled steel.

NOTE: All wrenches are painted black except stainless steel.

PROPER USE

Socket Wrench

NOTE: This wrench cannot be used to install sprinklers with bulb protectors. It can be used to remove sprinklers.

The V27 Socket Wrench bares two raised lines on opposite sides of the wrench, which correspond to the frame arms of the sprinkler. Align the lines on the wrench with the frame arms of the sprinkler and carefully place the wrench over the sprinkler (be careful of deflector and bulb) until the sprinkler frame bottoms out in the socket wrench. Be sure the wrench only engages on the wrench boss. Once the wrench is completely seated on the wrench boss, the deflector is protected from damaged during proper use. Tighten the sprinkler into the fitting for a leak tight fit using the lines on the wrench for desired frame alignment. Remove the wrench. If sprinkler frame alignment is not important then the V27 socket wrench can be rotated to engage the wrench flats in any one of twelve acceptable positions.

Concealed/Recessed Wrenches

These wrenches also bare a raised line on the solid side of the wrench, which corresponds to the frame arm of the sprinkler. Carefully position the open side of the wrench over the frame arm mid way between the deflector (be careful of deflector and bulb) and wrench boss. Once the wrench opening touches the frame arm, position the wrench onto the wrench boss. Be sure the wrench only engages on the wrench boss. Once the wrench is completely seated on the wrench boss the deflector is protected from damage during proper use. Tighten the sprinkler into the fitting for a leak tight fit using the line on the wrench and the sprinkler frame arm for desired alignment. Remove the wrench. These wrenches can only engage the wrench boss when parallel to the frame arms.

Open End Wrenches

Open end wrenches have a raised rib in the wrench opening which engages the throat of the sprinkler frame between the NPT thread and the wrench boss. Slip the wrench onto the sprinkler frame (be careful of the deflector and bulb) such that the rib engages the frame as previously described. Tighten the sprinkler into the fitting for a leak tight fit using the sprinkler frame arm for desired alignment. Remove the wrench.

Open end wrenches can safely engage the V27 and V34 frames on any two opposing wrench flats due to the hex design (a total of six acceptable positions). The V34 wrench will only engage the K1, V25, and V36 frames on only one pair of wrench flats as there is only one pair of flats available on this frame (a total of two acceptable positions).

NOTE: The V36 open end wrench also has a rib in the wrench opening. This rib lays on the deflector side of the wrench boss instead of the throat due to the larger throat diameter. The wrench engages only the wrench boss, similar to the V27 and V34.

Socket and Tee-Handle Wrenches

The V38-4, V38-5, V29, and V29-1 wrenches are all socket style wrenches designed to engage a special wrenching surface of the sprinkler assembly. The V38-4 and V38-5 socket wrenches are designed to engage the slots in the base of the cup, which is crimped on a V38 concealed sprinkler. These wrenches will not work on the old style, threaded on a V38 cup. Use the V38-3 Recessed wrench for the old style V38 sprinklers. Slip the wrench axially down over the sprinkler into the V38 sprinkler cup and rotate until the wrench tabs slide into the slots in the cup. Tighten the sprinkler and gently remove the wrench. The V29 and V29-1 wrenches are also socket-style wrenches. These wrenches engage special wrenching tabs cast onto the V29 sprinkler frame. Slip the wrench axially down over the V29 sprinkler with the protective cap in place and rotate until the slots in the wrench engage the wrenching tabs. Tighten the sprinkler and gently remove the wrench. The V38-4 and V29 wrenches are designed for use with standard 1/2-inch drive ratchet wrenches and are suitable for repeated use. The V38-5 and V29-1 wrenches are Tee-Handle style, lightweight wrenches designed for occasional sprinkler replacement and can be stored in the spare sprinkler cabinet.

CAUTION

- Make sure the proper wrench engages **ONLY** the wrench boss of the sprinkler and not the frame, deflector or bulb.
 - **DO NOT** handle sprinklers by the deflector.
 - **DO NOT** exceed the assembly torque specified in the I-40 Sprinkler Installation & Maintenance sheet that is shipped with the product.
- Failure to follow these instructions could cause damage to sprinkler components, resulting in improper spray pattern, leakage, non-operation, and property damage.

PROPER WRENCH ENGAGEMENT

! CAUTION

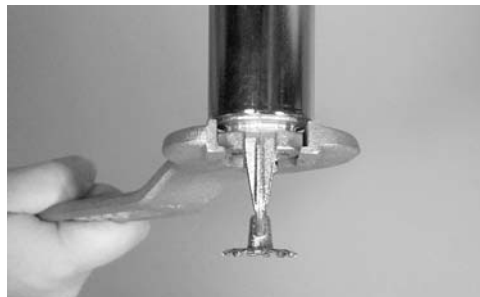
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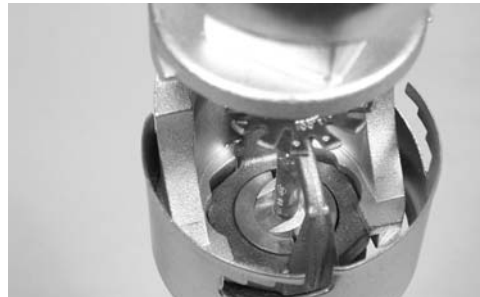
Correct Engagement for Model V27 Socket Wrench



Correct Engagement for Model V27 and Model V34 Open-End Wrench



Correct Engagement for Model V36 Open-End Wrench



Correct Engagement for Model V36 Concealed/Recessed Wrench



Correct Engagement for Model V34 and Model V38 Concealed/Recessed Wrench



Correct Engagement for Model V29 Socket Wrench



Correct Engagement for Model V36 Recessed Wrench

Available Wrenches

Frame Style	Wrench Model		
	Open End	Recessed	Socket
V26	✓	✓	-
V27	✓	✓	✓
V29	-	-	✓
V34	✓	✓	-
V36	✓	✓	-
V38	-	✓	-

This product shall be manufactured by Victaulic Company. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.