



TECHNICAL DATA SHEET

SPRINKLER WRENCHES

1. DESCRIPTION AND INTENDED USE

Viking sprinkler wrenches are special installation tools designed to be used with various Viking sprinklers and spray nozzles. All available wrenches must be used with the indicated sprinklers and nozzles to avoid sprinkler and nozzle damage and to provide the proper leverage for tightening.

1.1 Listings and Approvals

Refer to the specific sprinkler or spray nozzle technical data page(s) for all listings and approvals.

2. TECHNICAL SPECIFICATIONS

2.1 Wrench Materials

- Ductile iron
- Steel
- Acetal (plastic)
- Reinforced plastic and 50%-filled nylon

2.2 Sprinkler Wrenches Needing Ratchets

The following wrenches require a separate 1/2" ratchet (not available from Viking) to provide the correct amount of leverage:

08336W/B	13577W/B	15209W/R	23143
10366W/B	13619	13655W/B	22847MB
07565W/B	15466	14031	16208W/R
11663W/B	13623W/B	14047W/B	22978M/B
13032W/B	15467W/B	16267	

NOTE: This document is a guide for all available Viking wrenches. For a specific sprinkler, wrench, or installation details, refer to the appropriate sprinkler technical data sheet.



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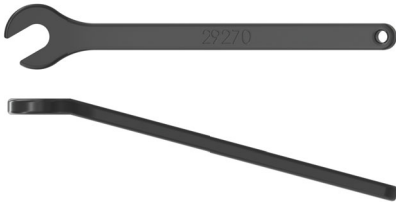
SPRINKLER WRENCHES

Sprinkler/Product Model Type	Wrench Part Number	Material	Image (Not to Scale)
Standard response upright or vertical sidewall sprinklers (with glass bulbs or fusible links); or standard response pendent sprinklers (with fusible links)	21475M/B	Ductile iron	
Quick response horizontal sidewall sprinklers			
QREC pendent (with fusible link) or horizontal sidewall sprinklers			
Specific application attic upright sprinklers			
Microfast® standard or quick response EC pendent or horizontal sidewall sprinklers			
Microfast® quick response pendent, upright, horizontal sidewall, or vertical sidewall sprinklers (with glass bulbs and fusible links); or Microfast quick response stainless steel upright and pendent sprinklers; or Microfast quick response conventional sprinklers			
MicrofastHP quick response pendent, upright, or horizontal sidewall sprinklers (with glass bulbs or fusible links); or MicrofastHP quick response conventional sprinklers (with fusible links)			
MicrofastHP EC/QREC pendent or horizontal sidewall sprinklers (with fusible links)			
MicrofastHP® standard or quick response EC pendent or horizontal sidewall sprinklers			
MicromaticHP® standard response pendent, upright, or horizontal sidewall sprinklers			
Micromatic® standard response pendent, upright, horizontal sidewall, conventional, or upright stainless steel sprinklers			



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Sprinkler/Product Model Type	Wrench Part Number	Material	Image (Not to Scale)
Coin quick response upright sprinklers (with glass bulbs or fusible links)	21475MB (Continued)	Ductile iron	
Freedom® residential pendent, lead-free pendent, upright, lead-free upright, horizontal sidewall, or lead-free horizontal sidewall sprinklers			
Standard or quick response upright; or standard response pendent or upright (with fusible links); or standard response stainless steel pendent sprinklers	10896W/B	Ductile iron	
Micromatic standard or quick response pendent, upright, horizontal sidewall, conventional, or stainless steel sprinklers			
Standard response CMSA pendent and upright sprinkler; 3/4" NPT and 1" NPT ESFR pendent sprinklers	26519M/B (Use side C on 3/4" NPT; use side B on 1" NPT)	Ductile iron	
1" Model XT1 quick or standard response sprinklers	29270M/B	Ductile iron	



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Sprinkler/Product Model Type	Wrench Part Number	Material	Image (Not to Scale)
1" Model XT1 quick or standard response sprinkler guard	29271M/R	Ductile iron	
Standard or quick response EC pendent sprinklers (with fusible links)	13655W/B	Steel	
Quick response horizontal sidewall sprinklers			
QREC horizontal sidewall or domed concealed horizontal sidewall sprinklers			
Microfast QREC horizontal sidewall sprinklers (with glass bulbs or fusible links)			
Microfast quick response pendent or horizontal sidewall, sprinklers (with glass bulbs or fusible links); or Microfast quick response vertical sidewall sprinklers (with fusible link)			
MicrofastHP EC/QREC horizontal sidewall sprinklers (with fusible links)			
MicrofastHP quick response pendent, upright, or horizontal sidewall sprinklers (with fusible links)			
Micromatic standard response pendent, upright, or horizontal sidewall sprinklers			
MicromaticHP standard response pendent or horizontal sidewall sprinklers			
Freedom residential pendent, lead-free pendent, horizontal sidewall, or lead-free horizontal sidewall sprinklers			



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Sprinkler/Product Model Type	Wrench Part Number	Material	Image (Not to Scale)
Standard or quick response dry pendent or upright sprinklers with large or standard orifice (adjustable standard or plain barrel)	07297W/B	Ductile iron	
Quick response pendent sprinklers with a large orifices (fusible links)			
Stainless steel dry pendent sprinklers			
Dry vertical sidewall sprinklers (adjustable or plain barrel)			
Standard response ordinary hazard dry horizontal sidewall sprinklers (adjustable standard or plain barrel)			
Standard response dry horizontal sidewall sprinklers (adjustable standard or plain barrel)			
Quick response dry horizontal sidewall sprinklers (adjustable standard or plain barrel)			
Quick response ordinary hazard dry horizontal sidewall sprinklers (adjustable standard or plain barrel) (with or without fusible links)			
Standard response upright sprinklers (VK580)			
EC/QREC ordinary hazard pendent and upright sprinklers			



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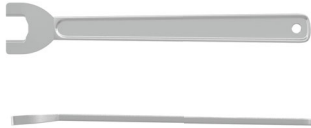
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Sprinkler/Product Model Type	Wrench Part Number	Material	Image (Not to Scale)
Standard response dry pendent sprinklers (standard or large orifice); or standard response recessed dry ELO sprinklers	07565W/B ¹	Ductile iron	
Standard or quick response EC dry pendent sprinklers; or standard or quick response EC dry concealed pendent sprinklers			
Quick response dry pendent sprinklers (standard or large orifice)			
Quick response dry pendent sprinklers (with fusible link)			
Standard or quick response dry concealed pendent (standard or large orifice)			
Stainless steel dry pendent sprinkler			
Dry vertical sidewall sprinklers			
Standard response dry horizontal sidewall sprinklers; or standard or quick response EC dry horizontal sidewall sprinklers			
Standard or quick response ordinary hazard dry horizontal sidewall sprinklers			
Quick response dry horizontal sidewall sprinklers			
1. ELO sprinklers manufactured before December 2001 use the wrench part no. 072927W/B. (Or, 07565W/B for coated and recessed sprinklers.)			



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Sprinkler/Product Model Type	Wrench Part Number	Material	Image (Not to Scale)
Standard response ELO pendent and upright sprinklers	05118CW/B ¹	Ductile iron	
Quick response ELO upright sprinklers			
Standard response High Challenge upright sprinklers			
Standard or quick response EC pendent sprinklers (with a fusible link); or standard or quick response EC upright sprinklers			
Standard or quick response ECOH ELO pendent or upright sprinklers (with a fusible link); or standard or quick response EC light hazard ELO pendent sprinklers			
Quick response ELO pendent sprinklers; or quick response ELO upright sprinklers (with a fusible link)			
Standard or quick response EC pendent sprinklers (with a glass bulb or fusible link); or standard or quick response upright sprinklers	11663W/B	Ductile iron (or alloy steel alternative)	
Standard or quick response ELO pendent sprinklers; or standard or quick response ELO upright sprinklers (with a glass bulb or fusible link)			
Standard or quick response ECOH ELO pendent sprinklers (with a fusible link)			
Standard or quick response EC light hazard ELO pendent sprinklers			
Extended coverage upright sprinkler (VK595)	16888M/B	Steel	
1. ELO sprinklers manufactured before December 2001 use the wrench part no. 072927W/B. (Or, 07565W/B for coated and recessed sprinklers.)			



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Sprinkler Model Type	Wrench Part Number	Material	Image (Not to Scale)
EC/QREC ordinary hazard pendent sprinkler (VK572)	13032W/B	Ductile iron	
Mirage standard or quick response concealed pendent sprinklers; or Mirage quick response concealed pendent MRI sprinklers	14031 (red)	50% Glass-filled nylon	
Mirage® quick response EC concealed pendent sprinklers			
Mirage quick response EC concealed pendent sprinklers	14047W/B (heavy-duty)	Ductile iron (or alloy steel alternative)	
Mirage standard or quick response concealed pendent sprinklers			
Mirage quick response concealed MRI pendent sprinklers			
Standard spray concealed horizontal sidewall sprinklers	16267	50% Glass-filled nylon	
Quick response EC concealed horizontal sidewall sprinkler (VK630)			
Freedom residential concealed horizontal sidewall sprinklers; or freedom residential concealed lead-free horizontal sidewall sprinklers			



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Sprinkler Model Type	Wrench Part Number	Material	Image (Not to Scale)
Standard coverage concealed horizontal sidewall sprinklers	16208W/R (heavy-duty)	Steel	
Quick response EC concealed horizontal sidewall sprinklers			
Freedom residential concealed horizontal sidewall sprinklers; or freedom residential concealed lead-free horizontal sidewall sprinklers			
Mirage quick response ELO concealed pendent sprinklers	15466 (red)	Reinforced plastic and 50% Glass-filled nylon	
Mirage EC/QREC OH-ELO concealed pendent sprinklers			
Mirage QR EC light hazard ELO concealed pendent sprinklers			
Mirage quick response ELO concealed pendent sprinklers	15467W/B (heavy-duty)	Ductile iron (or alloy steel alternative)	
Mirage EC/QREC OH-ELO concealed pendent sprinklers			
Mirage QR EC light hazard ELO concealed pendent sprinklers			



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Sprinkler Model Type	Wrench Part Number	Material	Image (Not to Scale)
Quick response flush pendent sprinkler (VK478)	15209W/R (heavy-duty)	Ductile iron	
Quick response recessed flush dry sprinkler (VK482)	18315 (heavy-duty)	Ductile iron (or alloy steel alternative)	
Standard or quick response concealed pendent sprinklers	23143 ²	Reinforced plastic and 50% glass-filled nylon	
Freedom residential concealed pendent sprinklers			
1/2" and 3/4" Model XT1 standard response pendent sprinklers	23560MB	Ductile iron	
1/2" and 3/4" Model XT1 quick response pendent sprinklers			
2. Requires a 1/2" ratchet wrench, which is not available from Viking. The flat plate installation wrench is intended to be used for a maximum of 500 installations at a maximum torque of 14 ft-lbs (19 Nm).			



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Sprinkler Model Type	Wrench Part Number	Material	Image (Not to Scale)
Model XT1 standard response pendent, upright, and conventional sprinklers	23559MB	Ductile iron	
Model XT1 quick response pendent, upright, and conventional sprinklers			
Specific application window sprinklers			
Standard response pendent sprinklers (with fusible links)	13577W/B (replaces 07398W)	Ductile iron (or alloy steel alternative)	
Standard response concealed pendent sprinklers			
Standard or quick response pendent sprinklers (bulbs); or standard or quick response EC pendent sprinklers			
Microfast standard or quick response EC pendent sprinklers; or MicrofastHP standard or quick response EC pendent sprinklers			
Microfast pendent sprinklers (with fusible links)			
MicrofastHP EC/QREC pendent sprinklers (with fusible links)			
Freedom residential pendent sprinklers; or Freedom Residential concealed pendent sprinklers			
Micromatic standard response pendent, upright, horizontal sidewall, conventional, or stainless steel sprinklers			
MicromaticHP standard response pendent and upright sprinklers			
Institutional sprinklers (VK426, VK426, VK427, VK650, VK651)	22847MB	Ductile iron	



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Sprinkler Model Type	Wrench Part Number	Material	Image (Not to Scale)
3/4" ESFR water shield	27512M/B	Ductile iron	
Freedom residential concealed pendent sprinklers, and standard or quick response concealed pendent sprinklers	22978M/B	Ductile iron	
3/4" ELO sprinkler guard	28417M/B	Cold-drawn steel	
Freedom residential concealed pendent sprinklers (VK4944, VK4954, VK4964, VK4984)	28568	Ductile Iron	
Freedom residential concealed pendent sprinklers (VK4944, VK4954, VK4964, VK4984)	26654	Reinforced plastic and 50% Glass-filled nylon	



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3. INSTALLATION TOOLS

Sprinkler Model Type	Installation Tool Part Number	Material	Image (Not to Scale)
Standard or quick response concealed pendent sprinklers	14412 ¹	Acetal (plastic)	
Mirage standard or quick response concealed pendent sprinklers; or Mirage quick response concealed pendent MRI sprinklers			
Mirage quick response EC concealed pendent sprinklers			
Freedom residential concealed pendent sprinklers; or Freedom residential concealed horizontal sidewall sprinklers			
Standard or quick response concealed pendants	14867 (for large diameter cover) ¹	Acetal (plastic)	
Quick response ELO concealed pendent sprinklers			
Mirage standard or quick response concealed pendent sprinklers			
Mirage quick response concealed pendent MRI sprinklers			
Mirage quick response EC concealed pendent sprinklers; Mirage quick response EC ELO concealed pendent sprinklers; or Mirage EC/QREC OH-ELO concealed pendent sprinklers			
Freedom residential concealed pendent sprinklers; Freedom residential concealed horizontal sidewall sprinklers; or Freedom residential concealed lead free horizontal sidewall sprinklers			
Standard spray concealed horizontal sidewall sprinklers			
1. Allows sprinkler cover plate installation and removal, as well as pendent protective cap removal, by attaching a length of 1" diameter CPVC tubing to the tool. (Refer to the technical bulletin F_112007.)			

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Sprinkler Model Type	Installation Tool Part Number	Material	Image (Not to Scale)
Quick response dry pendent sprinklers (with large orifice and fusible links)	15915 ²	Acetal (plastic)	
Freedom residential pendent sprinklers; Freedom residential lead-free pendent sprinklers; Freedom residential horizontal sidewall sprinklers; or Freedom residential lead-free horizontal sidewall sprinklers			
Microfast quick response pendent; or Microfast quick response pendent sprinklers (with fusible link)			
MicrofastHP quick response pendent sprinklers; or MicrofastHP quick response pendent sprinklers (with fusible link)			
2. Allows for pendent sprinkler protective cap removal, as well as E-1 and F-1 escutcheon installation on frame-style pendent sprinklers, by attaching a length of 1" diameter CPVC tubing to the tool. (Refer to the technical bulletin F_051808.)			

4. INSTALLATION

Refer to the specific sprinkler or spray nozzle data page(s) for details.

5. ORDERING PROCEDURE

- Determine the appropriate wrench for use with the given sprinkler or spray nozzle model (see table above).
- Specify the wrench part number and quantity needed.



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6. CONTACT

The sprinkler wrenches are available through Viking distributors only. Contact your local Viking sales office, which can be found on our website:

Americas and Asia: www.vikinggroupinc.com/locations OR Europe, Middle East, Africa (EMEA): www.viking-emea.com/contact

Manufacturer:

The Viking Corporation
5150 Beltway SE
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Westlink Techpark, Singapore 637621
Tel: (+65) 6 278 4061
Fax: (+65) 6 278 4609
vikingAPAC@vikingcorp.com

7. CARE AND HANDLING

7.1 Warranty

For warranty details, refer to Viking's current list price schedule at www.vikinggroupinc.com, or contact Viking Corporation directly.