



# SPRINKLER CONNECTION HOSES

## INDUSTRIAL SOLUTIONS

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INDUSTRIAL SOLUTIONS FISH MEAL&OIL INDUSTRIAL SOLUTIONS SPRINKLER CONNECTION HOSES  
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Sprinkler Systems are automatic fire sensing and extinguishing systems that splash the water comes through connected pipeline.

Public places like shopping malls, theatres, concert halls, hotels where the intervention time is crucial are the places where these systems are commonly chosen and used.

Ayvaz sprinkler hose and assembly kit can be effectively used in these systems and come over many connection difficulties caused by rigid piping.

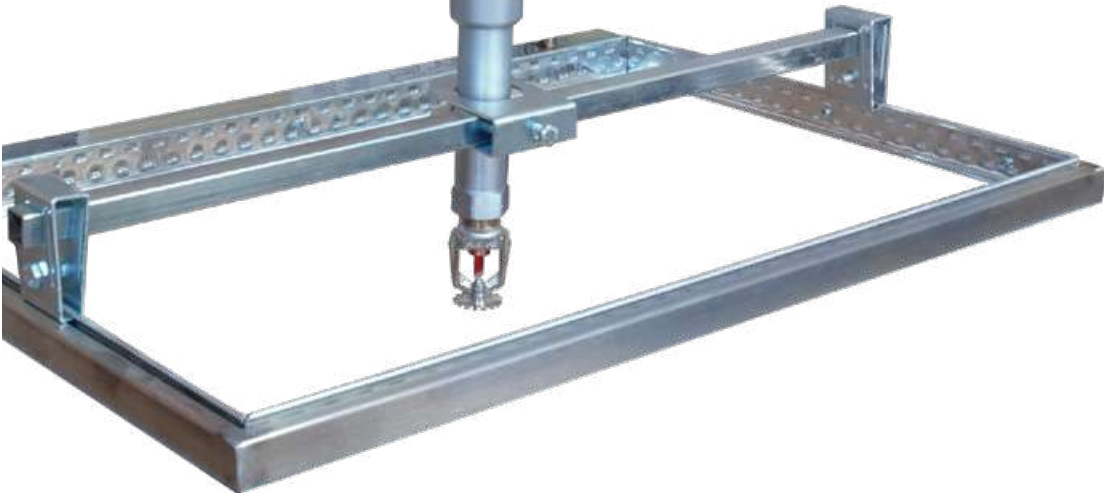
## **ADVANTAGES**

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Flexible structure of stainless steel corrugated hose provides various advantages;

- Hose assembly is not affected by external movements and is able to suspend seismic motions.
- Flexibility of the hose provides required safety for all systems.
- Easy installation the hose and the sprinkler device into ceiling with assembly kit save on installation time and costs by eliminating pipe wastage and reducing the labour associated with cutting, threading, and sealing pipe threads.
- It is so easy to align and tighten sprinkler side of the hose with desired point of ceiling. Also, due to smart design of the fixing kit, sprinkler side of the hose can easily be moved and adjusted on vertical axis.
- It is not necessary to adjust sprinkler location if ceiling alignment and level are changed.
- Stainless steel hose and braiding provide high resistance against heat and temperature.
- The system is highly resistant against corrosive effect of the water that is kept in the hose for a long time.

# SPRINKLER CONNECTION HOSES

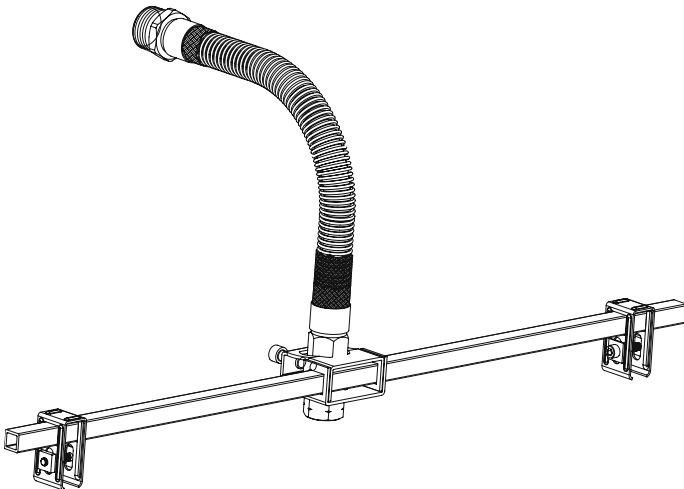


## APPROVED TYPES

FM		
HOSE DIMENSIONS		
DN	CONNECTION	LENGTH (mm)
20	1" x 1/2"	500 700 1000 1500
	1" x 3/4"	
	3/4" x 1/2"	
	3/4" x 3/4"	
25	1" x 1/2"	
	1" x 3/4"	

VDS		
HOSE DIMENSIONS		
DN	CONNECTION	LENGTH (mm)
20	3/4" x 1/2"	500
	1" x 1/2"	700
25	3/4" x 1/2"	1000
	1" x 1/2"	1500

UL		
HOSE DIMENSIONS		
DN	CONNECTION	LENGTH (mm)
20	1" x 1/2"	500
		700
		1000
25	1" x 1/2"	1200
		1500
		1800



MATERIAL LIST	
Part Name	Material
Assembly Bar	Galvanized coated St 37.2
Fixing Bolt	Carbon Steel 8.8
Kit Fixing Part	Galvanized coated St 37.2
Sprinkler Hose	Stainless Steel
Hose Fixing Part	Galvanized coated St 37.2
Hose Connection Equipment	Carbon Steel or Staines Steel

## COST AND INSTALLATION ADVANTAGES

Flexible sprinkler systems;

- Fast and easy installation
- All-in-one system and easy installation technology
- Quick sprinkler positioning
- Easily bypass other building elements and assemblies
- Does not require an entirely new installation of sprinkler system during improvements or changes
- Variable positioning in all directions possible
- Very quick installation
- Lower labor requirements
- Leaks can already be detected during installation
- Prevents costly water damage.

### Costs

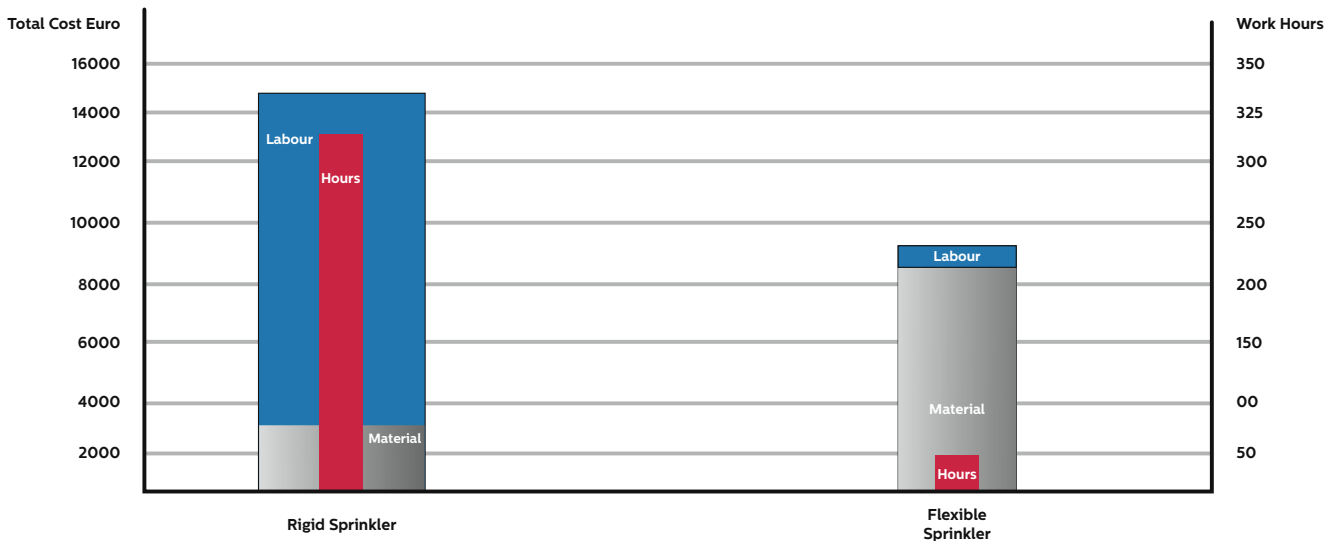
Flexible sprinkler system allows you to operate considerably quicker than with rigid piping, enabling you to do more at the same time.

### Sample project

Residence building with an average number of floors  
Installation of 500 sprinklers  
System: Standard lay-in ceilings  
Number of installers: 4

**Reduction in overall costs: 30 – 35 % less**

**Reduction in installation time: 80 – 85 % less**





VDS - DN25		
Nominal Length	$\Delta p$	L (äq)
500 mm	0,1	0,354
1000 mm	0,2	7,08
1500 mm	0,3	10,62
2000 mm	0,35	14,016

VDS - DN20		
Nominal Length	$\Delta p$	L (äq)
500 mm	0,2	3,21
1000 mm	0,6	6,43
1500 mm	0,9	9,64
2000 mm	1,05	12,86



FM - DN20			
Hose Assembly Length in (mm)	Pipe thread sprin- kler outlet	Sprinkler Hose Design	Equivalent pipe lengths (m)
500	1" x 1/2"	Straight	15,0
700	1" x 1/2"	Straight	21,4
1000	1" x 1/2"	Straight	30,9
1200	1" x 1/2"	Straight	37,3
1500	1" x 1/2"	Straight	46,8
500	1" x 3/4"	Straight	12,4
700	1" x 3/4"	Straight	18,5
1000	1" x 3/4"	Straight	27,4
1200	1" x 3/4"	Straight	32,1
1500	1" x 3/4"	Straight	38,7
500	3/4" x 1/2"	Straight	14,0
700	3/4" x 1/2"	Straight	19,7
1000	3/4" x 1/2"	Straight	28,4
1200	3/4" x 1/2"	Straight	32,6
1500	3/4" x 1/2"	Straight	39,0
500	3/4" x 3/4"	Straight	13,2
700	3/4" x 3/4"	Straight	22,9
1000	3/4" x 3/4"	Straight	37,5
1200	3/4" x 3/4"	Straight	40,4
1500	3/4" x 3/4"	Straight	44,7

## COST AND INSTALLATION ADVANTAGES



FM - DN25			
Hose Assembly Length in (mm)	Pipe thread sprinkler outlet	Sprinkler Hose Design	Equivalent pipe lengths (m)
500	1" x 1/2"	Straight	6,9
700	1" x 1/2"	Straight	8,0
1000	1" x 1/2"	Straight	10,9
1200	1" x 1/2"	Straight	13,0
1500	1" x 1/2"	Straight	17,9
500	1" x 3/4"	Straight	4,9
700	1" x 3/4"	Straight	6,1
1000	1" x 3/4"	Straight	8,1
1200	1" x 3/4"	Straight	10,5
1500	1" x 3/4"	Straight	14,1



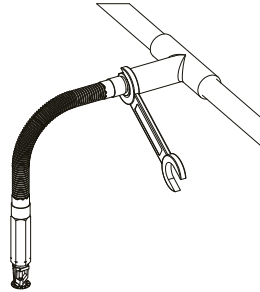
UL - DN20			
Hose Assembly Length in (mm)	Pipe thread sprinkler outlet	Sprinkler Hose Design	Equivalent pipe lengths (m)
500	1" x 1/2"	Straight	4,57
700	1" x 1/2"	Straight	7,92
1000	1" x 1/2"	Straight	11,89
1200	1" x 1/2"	Straight	13,72
1500	1" x 1/2"	Straight	16,15
1800	1" x 1/2"	Straight	20,73

UL - DN25			
Hose Assembly Length in (mm)	Pipe thread sprinkler outlet	Sprinkler Hose Design	Equivalent pipe lengths (m)
500	1" x 1/2"	Straight	2,13
700	1" x 1/2"	Straight	3,66
1000	1" x 1/2"	Straight	6,10
1200	1" x 1/2"	Straight	6,71
1500	1" x 1/2"	Straight	8,23
1800	1" x 1/2"	Straight	8,53

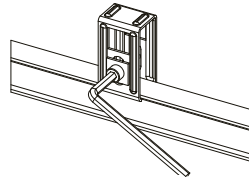


## SP-SET 1

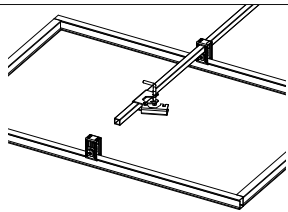
**1st STEP**  
(Mounting of hose  
in the water line)



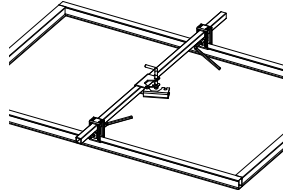
**2nd STEP**  
(Mounting of  
connection parts  
on the metal  
frame)



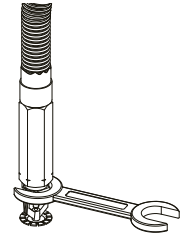
**3rd STEP**  
(Placing of  
connection  
profile)



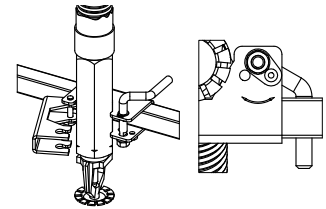
**4th STEP**  
(Fixing of  
connection  
profile)



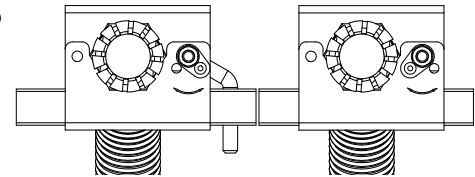
**5th STEP**  
(Fastening of  
sprinkler end)



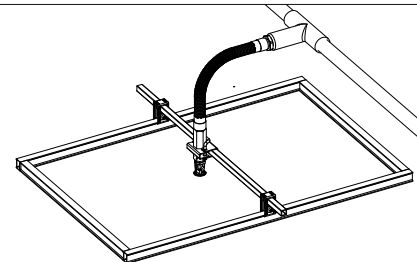
**6th STEP**  
(Placement of the  
sprinkler end into  
the clamp slot)



**7th STEP**  
(Fixing)

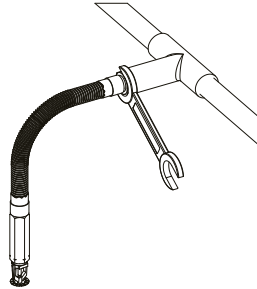


**Finally;**

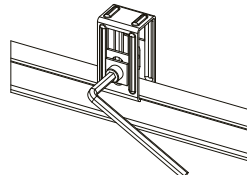


## SP-SET 2

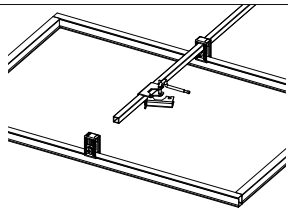
**1st STEP**  
(Mounting of hose  
in the water line)



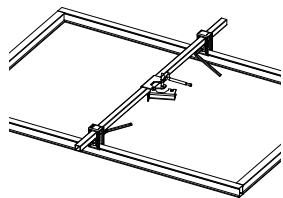
**2nd STEP**  
(Mounting of  
connection parts  
on the metal  
frame)



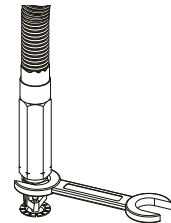
**3rd STEP**  
(Placing of  
connection  
profile)



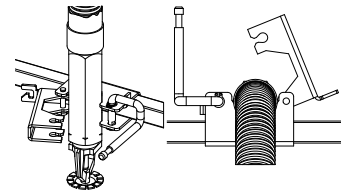
**4th STEP**  
(Fixing of  
connection  
profile)



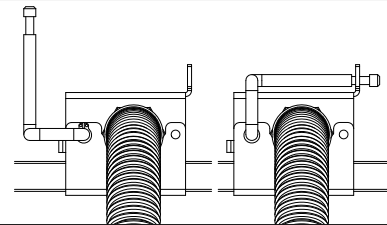
**5th STEP**  
(Fastening of  
sprinkler end)



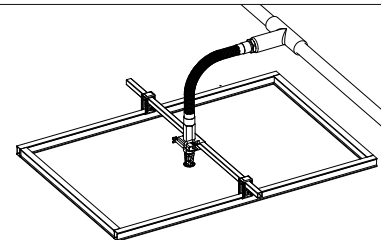
**6th STEP**  
(Placement of the  
sprinkler end into  
the clamp slot)



**7th STEP**  
(Fixing)

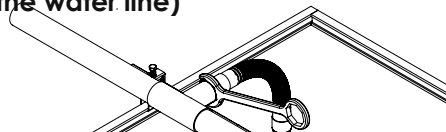


**Finally;**

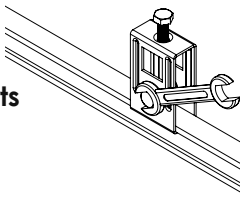


## SP-SET 3

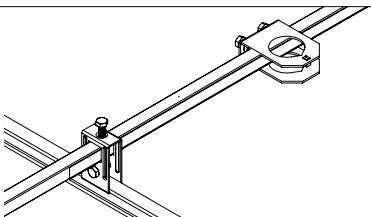
**1st STEP** (Mounting of hose in the water line)



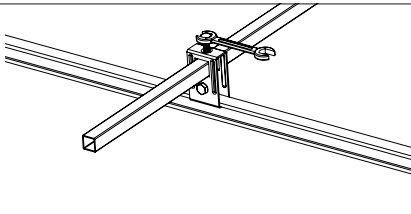
**2nd STEP**  
(Mounting of connection parts on the metal frame)



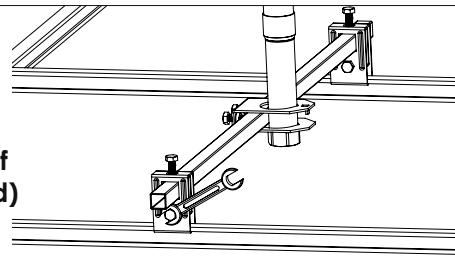
**3rd STEP**  
(Placing of connection profile)



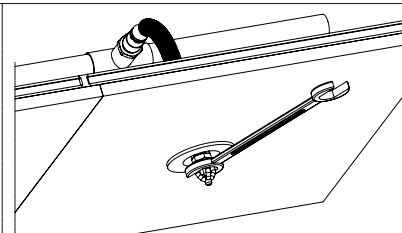
**4th STEP**  
(Fixing of connection profile)



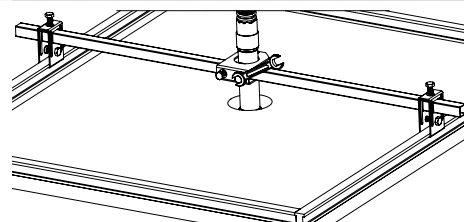
**5th STEP**  
(Fastening of sprinkler end)



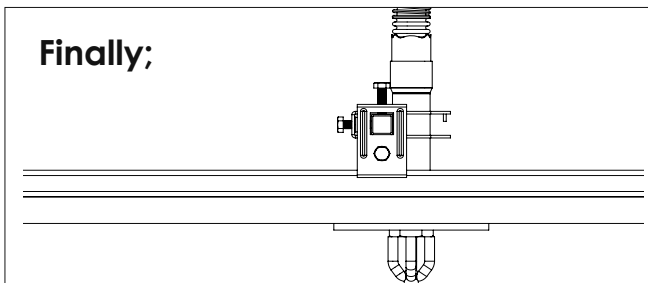
**6th STEP**  
(Placement of the sprinkler end into the clamp slot)



**7th STEP**  
(Fixing)

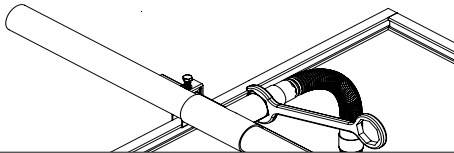


**Finally;**

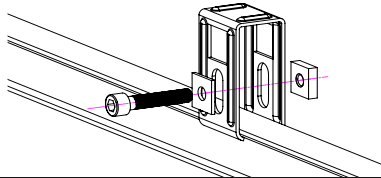


## SP-SET 4

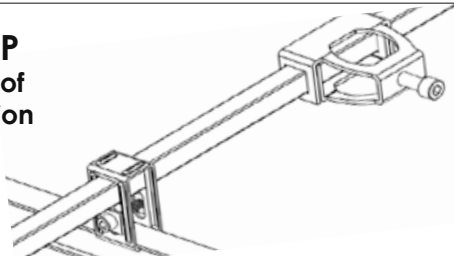
**1st STEP** (Mounting of hose in the water line)



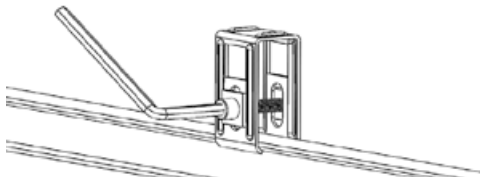
**2nd STEP**  
(Mounting of connection parts on the metal frame)



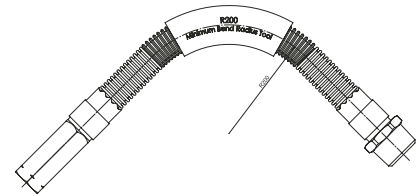
**3rd STEP**  
(Placing of connection profile)



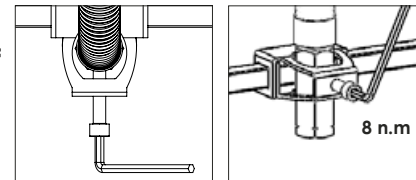
**4th STEP** (Fixing of connection profile)



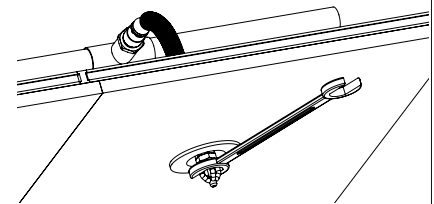
**5th STEP**  
(Fastening of sprinkler end)



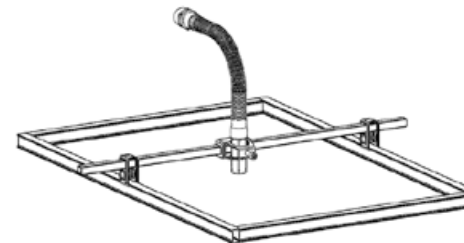
**6th STEP**  
(Placement of the sprinkler end into the clamp slot)



**7th STEP**  
(Fixing)



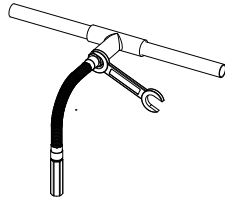
**Finally;**



## SP-SET 5

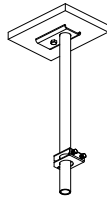
### 1st STEP

(Mounting of  
hose in the  
water line)



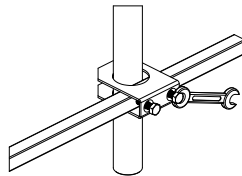
### 2nd STEP

(Mounting of  
connection parts  
on the metal  
frame)



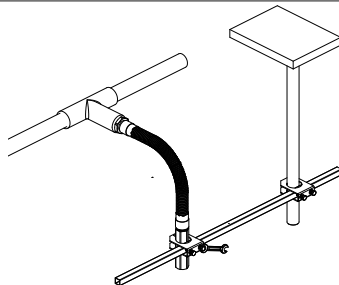
### 3rd STEP

(Placing of  
connection  
profile)



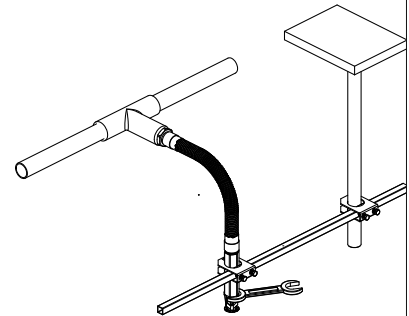
### 4th STEP

(Fixing of  
connection  
profile)



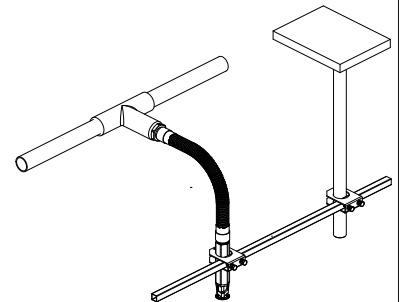
### 5th STEP

(Fastening of  
sprinkler end)

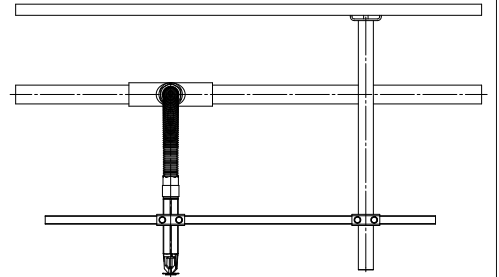


### 6th STEP

(Placement of  
the sprinkler  
end into the  
clamp slot)



Finally;









#### HEAD OFFICE

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