



SPRINKLER CONNECTION HOSES

INDUSTRIAL SOLUTIONS

Rev.07.24

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INDUSTRIAL SOLUTIONS FISH MEAL&OIL INDUSTRIAL SOLUTIONS SPRINKLER CONNECTION HOSES
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About Ayvaz

Established in 1948, Ayvaz has been at the forefront of flexible connection parts manufacturing for over seven decades. Our extensive range of products includes various types and customized designs tailored to meet the specific needs of different industries.

Our company's reputation remains high, built on a foundation of providing innovative and reliable solutions to our partners. This steadfast commitment to quality and innovation has earned us the trust and loyalty of cooperators worldwide.

At Ayvaz, we are dedicated to supporting our partners around the clock, ensuring that they feel the presence and expertise of our "flexible solutions" no matter where their businesses are located. Our global reach and unwavering dedication to excellence make Ayvaz a name synonymous with reliability and innovation in the industry.

Consulting

At Ayvaz, we offer a wide range of products catering to various industries, ensuring that we meet the diverse needs of our clients. Our services go beyond just providing products; we also offer comprehensive engineering activities from product specification to project estimation, ensuring that we deliver the most specific solutions for each unique case.

Our team of experts is dedicated to sharing their knowledge and expertise with potential clients. We take pride in assisting those who encounter challenges with calculations for piping systems and product selection in new plants. Whether you are dealing with complex projects or need precise product recommendations, Ayvaz is here to provide the support and guidance you need.

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.

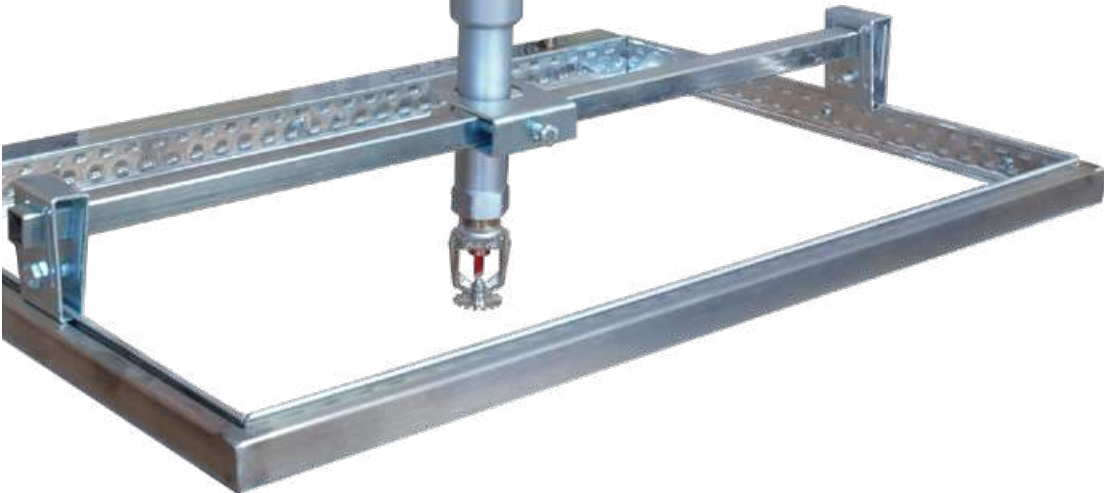
Ayvaz sprinkler hose and assembly kit can be effectively used in these systems and come over many connection difficulties caused by rigid piping.

ADVANTAGES

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

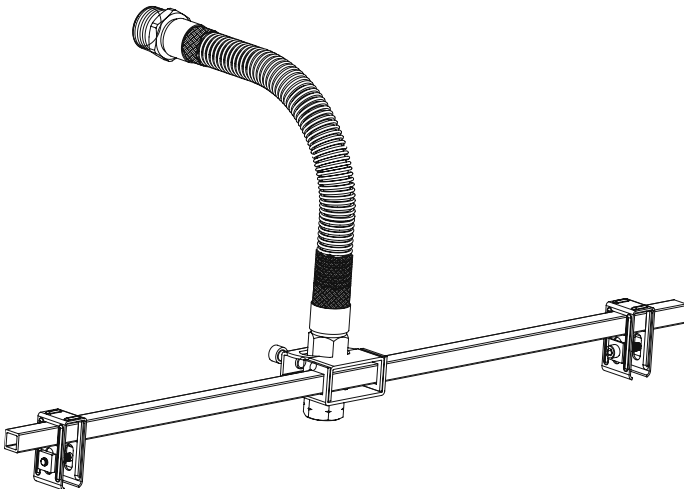


APPROVED TYPES

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

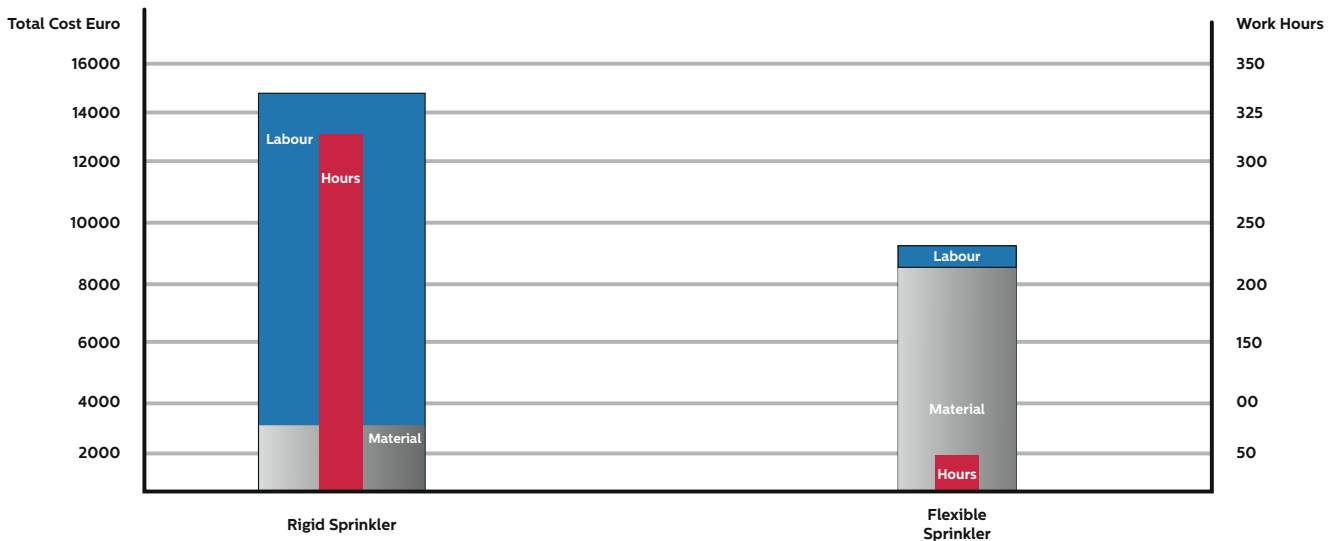
Flexible sprinkler system allows you to operate considerably quicker than with rigid piping, enabling you to do more at the same time.

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	Δp	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	Δp	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

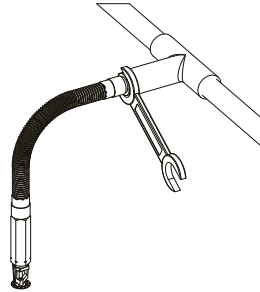


UL - DN20			
Hose Assembly Length in (mm)	Pipe thread sprinkler outlet	Sprinkler Hose Design	Equivalent pipe lengths (m)
500	1" x 1/2"	Straight	4,57
700	1" x 1/2"	Straight	7,92
1000	1" x 1/2"	Straight	11,89
1200	1" x 1/2"	Straight	13,72
1500	1" x 1/2"	Straight	16,15
1800	1" x 1/2"	Straight	20,73

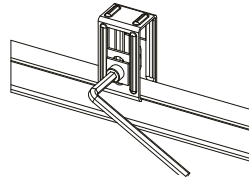
UL - DN25			
Hose Assembly Length in (mm)	Pipe thread sprinkler outlet	Sprinkler Hose Design	Equivalent pipe lengths (m)
500	1" x 1/2"	Straight	2,13
700	1" x 1/2"	Straight	3,66
1000	1" x 1/2"	Straight	6,10
1200	1" x 1/2"	Straight	6,71
1500	1" x 1/2"	Straight	8,23
1800	1" x 1/2"	Straight	8,53

SP-SET 1

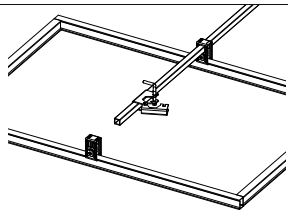
1st STEP
(Mounting of hose
in the water line)



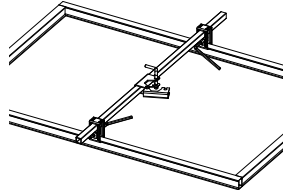
2nd STEP
(Mounting of
connection parts
on the metal
frame)



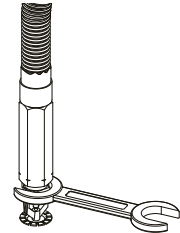
3rd STEP
(Placing of
connection
profile)



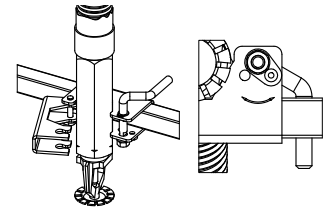
4th STEP
(Fixing of
connection
profile)



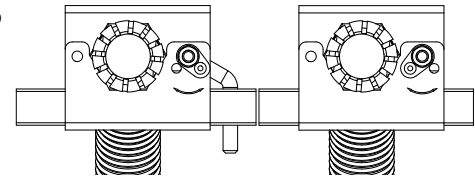
5th STEP
(Fastening of
sprinkler end)



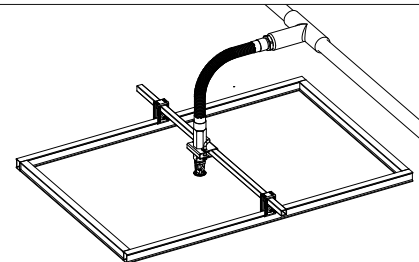
6th STEP
(Placement of the
sprinkler end into
the clamp slot)



7th STEP
(Fixing)

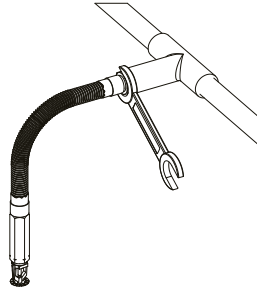


Finally;

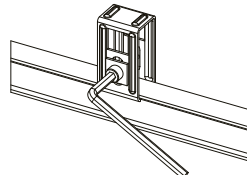


SP-SET 2

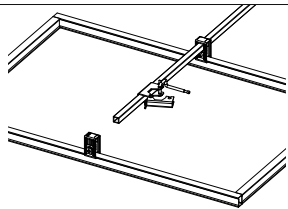
1st STEP
(Mounting of hose
in the water line)



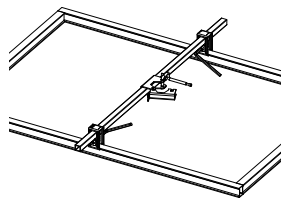
2nd STEP
(Mounting of
connection parts
on the metal
frame)



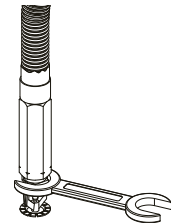
3rd STEP
(Placing of
connection
profile)



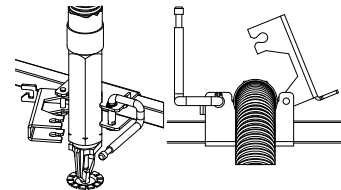
4th STEP
(Fixing of
connection
profile)



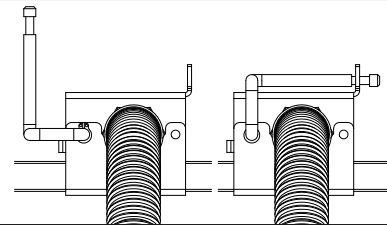
5th STEP
(Fastening of
sprinkler end)



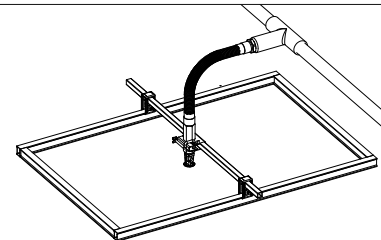
6th STEP
(Placement of the
sprinkler end into
the clamp slot)



7th STEP
(Fixing)

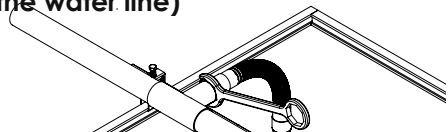


Finally;

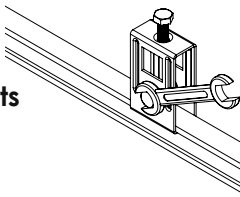


SP-SET 3

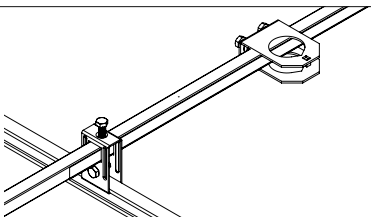
1st STEP (Mounting of hose in the water line)



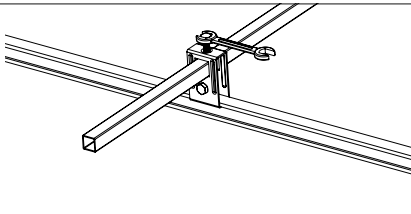
2nd STEP
(Mounting of connection parts on the metal frame)



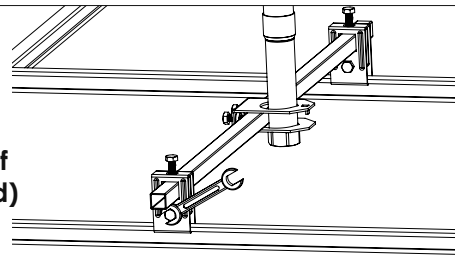
3rd STEP
(Placing of connection profile)



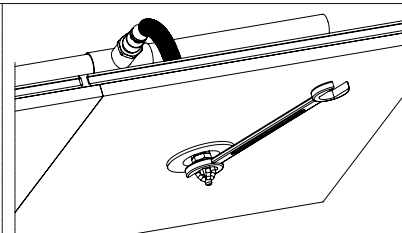
4th STEP
(Fixing of connection profile)



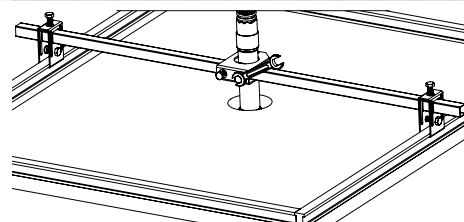
5th STEP
(Fastening of sprinkler end)



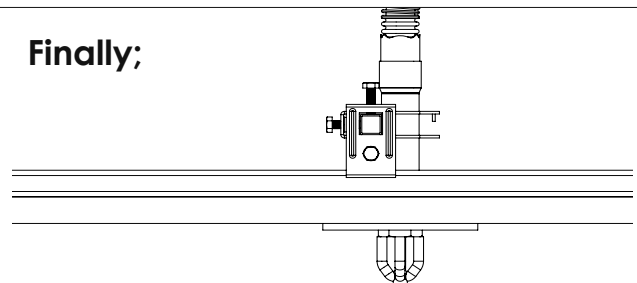
6th STEP
(Placement of the sprinkler end into the clamp slot)



7th STEP
(Fixing)

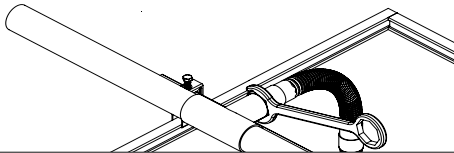


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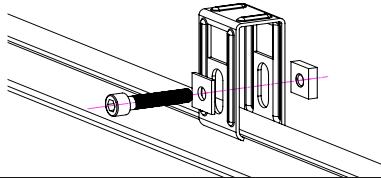


SP-SET 4

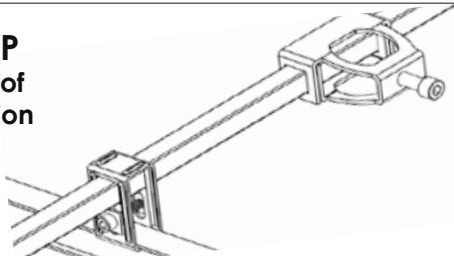
1st STEP (Mounting of hose in the water line)



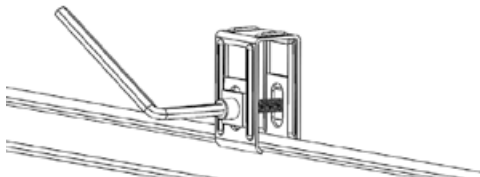
2nd STEP
(Mounting of connection parts on the metal frame)



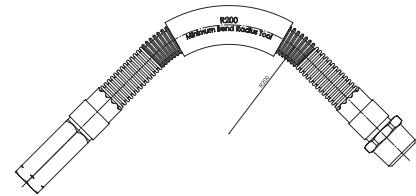
3rd STEP
(Placing of connection profile)



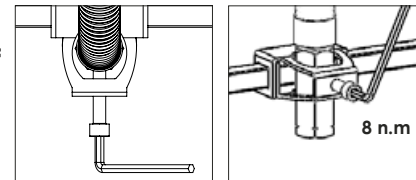
4th STEP (Fixing of connection profile)



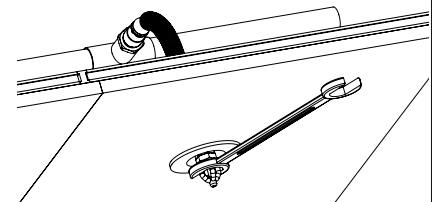
5th STEP
(Fastening of sprinkler end)



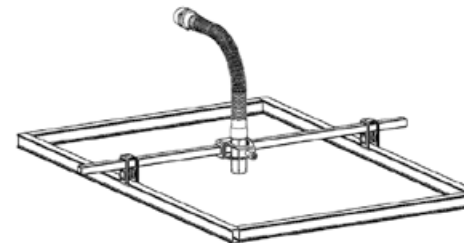
6th STEP
(Placement of the sprinkler end into the clamp slot)



7th STEP
(Fixing)



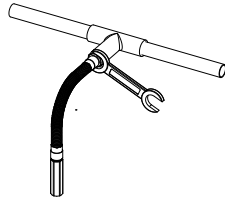
Finally;



SP-SET 5

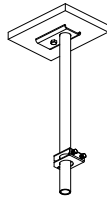
1st STEP

(Mounting of
hose in the
water line)



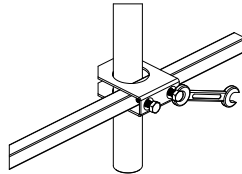
2nd STEP

(Mounting of
connection parts
on the metal
frame)



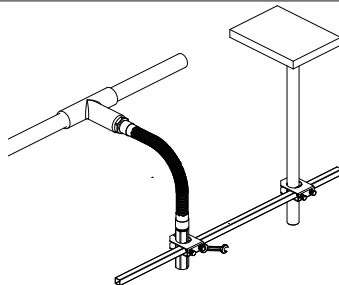
3rd STEP

(Placing of
connection
profile)



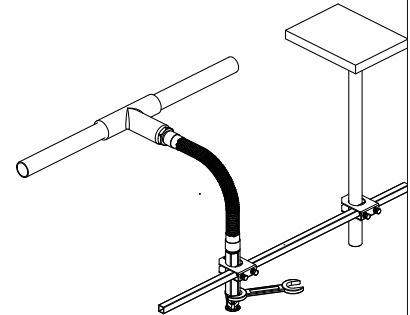
4th STEP

(Fixing of
connection
profile)



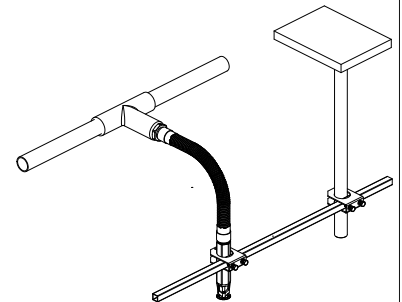
5th STEP

(Fastening of
sprinkler end)

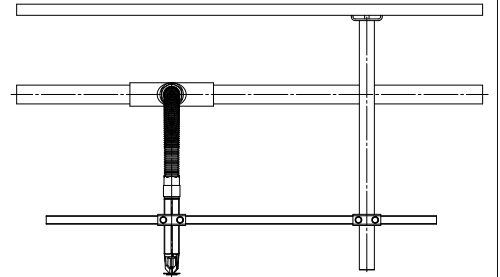


6th STEP

(Placement of
the sprinkler
end into the
clamp slot)



Finally;





FACTORIES



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