

FLEXIBLE HOSES FOR FIRE PROTECTION



www.platinflex.com

About Us



Headquartered in Istanbul, Platinflex came into being in 2000, and has since then emerged as one of the preeminent manufacturers of corrugated flexible metal hoses for industrial, Gas and Water applications.

Today Platinflex proudly delivers flexible hoses and assemblies in all key industrial sectors including Railways and Heavy Engine Industry, Energy and Shipbuilding. These custom-built assemblies are used in Oil & Gas Pipelines, Chemical & Petrochemical Industries and are designed in partnership with our Clients, keeping their specifications in mind.

With key performance indicators, such as safety, integrity and technical feasibility coupled with our global supply chains and lean processes, Platinflex has set up a niche for itself which ensures the highest standards of product guarantee and compliance.

MISSION

Our Mission is to build and nurture relationships with our Clients. For this purpose, we are delivering the products and solutions that guarantee excellence and expertise. Additionally, we have a mission to build the best product. Therefore, we use the business to inspire and implement solutions by building a culture that supports sincerity and forthrightness.

VISION

We strive to emerge as an Internationally recognized organization. We are working worldwide and meet the modern standards to our Clients by ensuring optimum utilization of resources. Also, we want to achieve Productivity and consistency through

Our Customers

By developing powerful associations with our Customers

Our Team

By fostering teamwork, nurturing talent and acting with Pride and passion

Our Culture

By providing a safe workplace and respecting the environment by demonstrating highest degree of ethical standard



COMMERCIAL FLEXIBLE SPRINKLERS



Fire Protection

Unlike traditional hard-piped fire protection systems, Platinflex sprinkler connections allow engineers, architects, contractors and building owners a degree of versatility previously unavailable, featuring:

- FM approved
- Industrial grade material
- Acceptable for use in a return-air plenum
- Perfect center-of-tile and aesthetic uniformity
- Approved for use with medium and heavy load grids
- 100% leak-tested connections
- All welded, no o-rings
- Adjustable height and sprinkler alignment
- Proven technology
- Ceiling system compatibility
- Compatible with FM sprinklers

Advantages

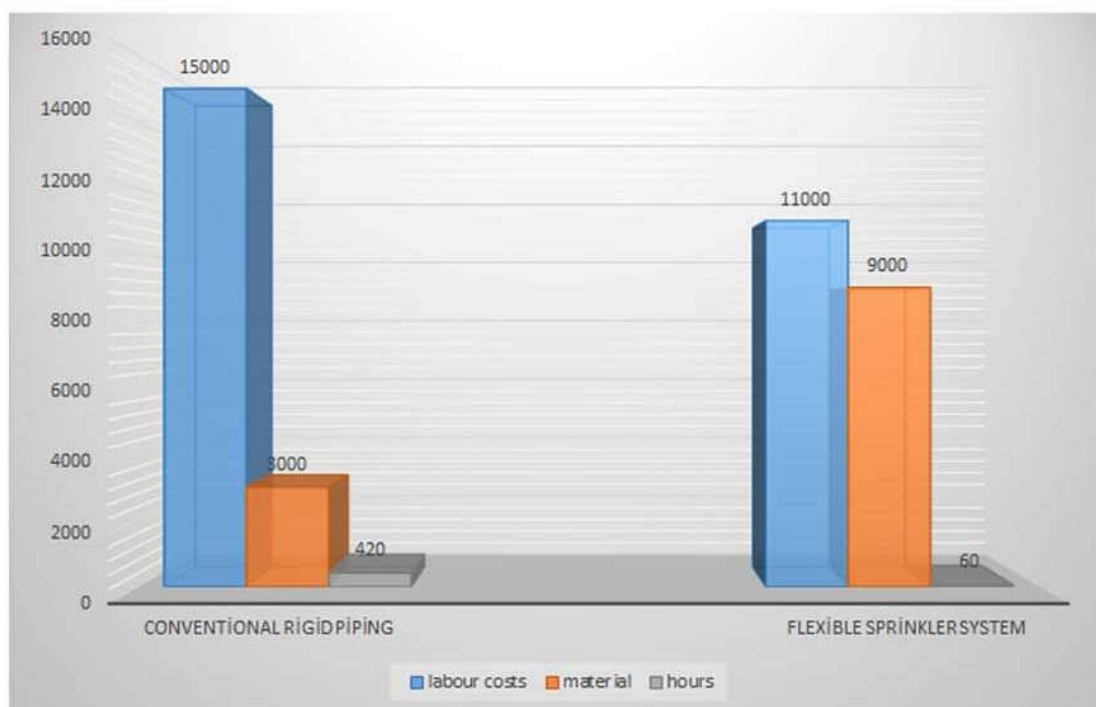
Criteria	Platinflex flexible sprinkler mounting systems	Conventional rigid piping	Advantages of flexible mounting systems
Installation	Quick and easy installation due to flexible hose and all in one system Scaling allows for quick positioning of sprinklers Easily bypass other building components and assemblies. Doesnot require completely new installation of sprinkler system during renovations or conversation	Complicated trimming of pipes,sealing of pipe bends etc. with traditional angles Elaborate sprinkler positioning process Problems with pipe guidance if other building components or assemblies must be bypassed or in the event of tight installation conditions	Faster project completion/ lower time requirements Simple Installation Sprinkler system is flexible to adjust to installation conditions. Reduction in subsequent costs Cost-effective Provides builders with security. Customer satisfaction. Prevents water damages.
Labour costs	Variable positioning in all directions possible Very quick installations (5-6 minutes per sprinkler system) , hence significantly more cost-effective	Requires extensive replacement of existing piping during renovations and conversation Difficult positioning within a ceiling element	
Quality&Safety	Lower labour requirements Leaks in the sprinkler system can already be detected during the installation	Higher labour requirements Risk of water damages, leaks which are often only noticeable once the installation has been completed	

Price comparison

Save costs by working effcently - Platinflex flexible sprinkler mounting system allow you to work significantly faster than with rigid piping..Enabling you to do more in the same time period.

Sample Project :

*Business Center Office building with average number of storeys, installations of 375 Sprinklers
System : Standart lay-in ceilings, number of installers :5*



RESULT : 26% Reduction in overall costs with a significant reduction in time required for implementation

Automatic Sprinkler Systems /
Flexible Sprinkler Hose with Fittings
/ for commercial / Suspended Ceillings

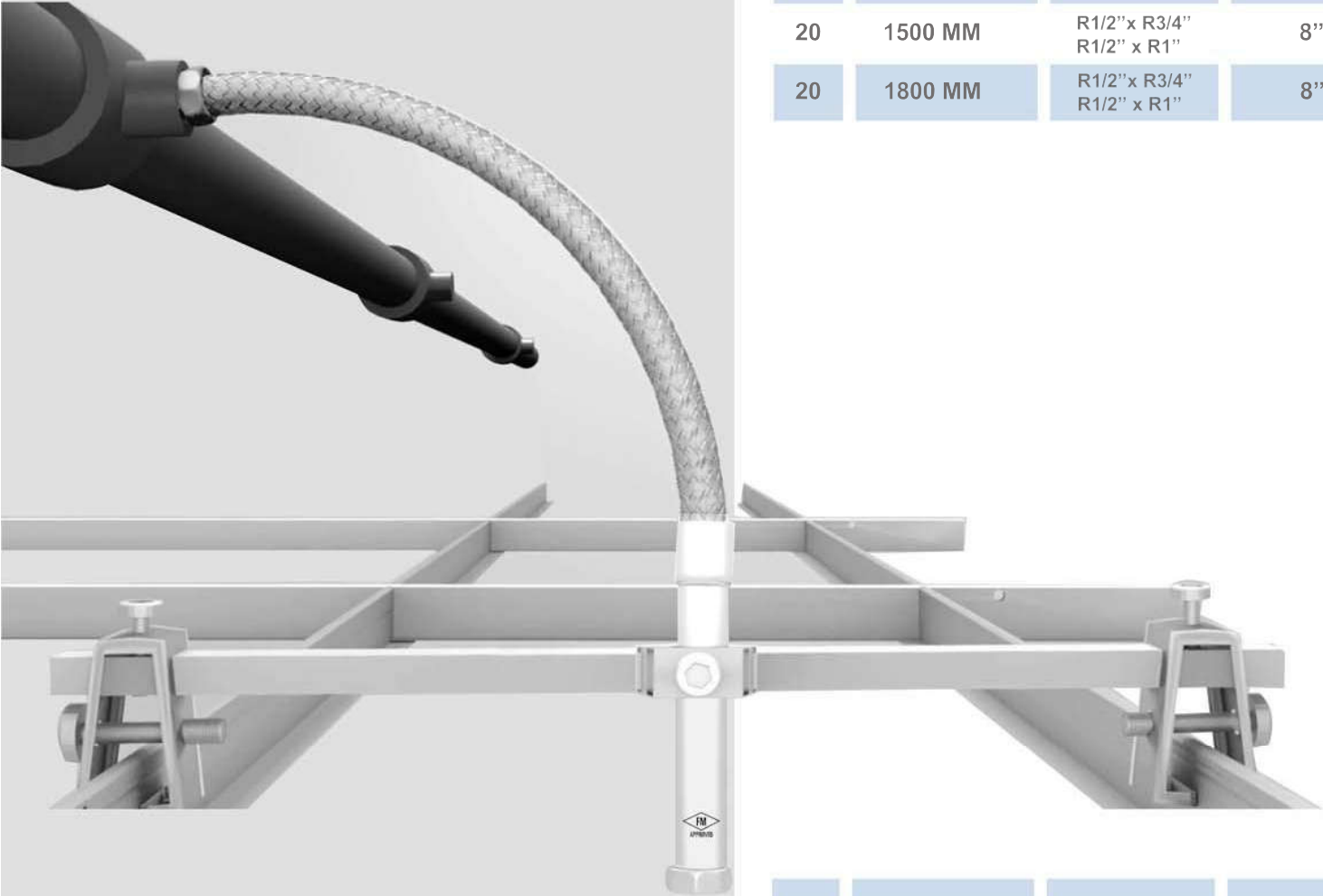
FIRE SPRINKLER HOSE
MOUNTING SYSTEM

DN	Nominal length	Connection	Min.Bending
20	500 MM	R1/2" x R3/4" R1/2" x R1"	8"
20	700 MM	R1/2" x R3/4" R1/2" x R1"	8"
20	1000 MM	R1/2" x R3/4" R1/2" x R1"	8"
20	1200 MM	R1/2" x R3/4" R1/2" x R1"	8"
20	1500 MM	R1/2" x R3/4" R1/2" x R1"	8"
20	1800 MM	R1/2" x R3/4" R1/2" x R1"	8"

DN	Nominal length	Connection	Min.Bending
25	500 MM	R1/2" x R1"	8"
25	700 MM	R1/2" x R1"	8"
25	1000 MM	R1/2" x R1"	8"
25	1200 MM	R1/2" x R1"	8"
25	1500 MM	R1/2" x R1"	8"
25	1800 MM	R1/2" x R1"	8"

PLATINFLEX Fire Sprinkler hoses

- Is seismically qualified for use in Seismic Design Categories C, D, E & F
- Is made of 100% 316L stainless steel including end fittings
- Is fully welded without the need for o-rings or gaskets.
- Is 100% factory leak tested ready to install out of the box requiring virtually no in-field assembly

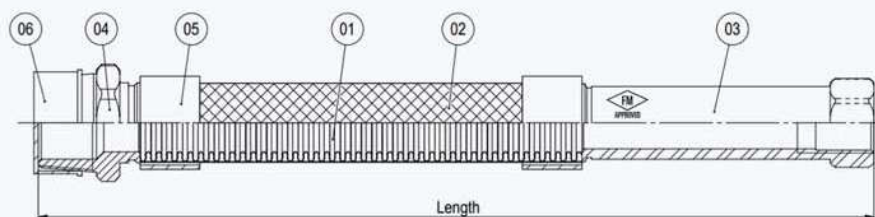


Technical Features



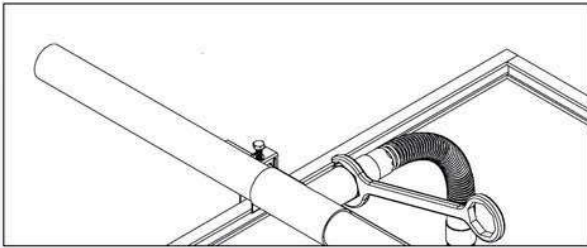
PF Platinflex
SPR Sprinkler
20 Size in mm
25 Size in mm

Model	NPT in.	k-factor	Minimum Bend Radius in (mm)	Number of Bends	Rated Working Pressure psi(kPa)	Hose Assembly length in.(mm)	Equivalent Length of 1 in. Schedule 40 Pipe ft.(m)
PF-SPR20	1/2-3/4	5.6	8 (200)	1	232 (1600)	19 (500)	34,3 (10.4)
PF-SPR20	1/2-3/4	5.6	8 (200)	1	232 (1600)	27 (700)	52,7 (16)
PF-SPR20	1/2-3/4	5.6	8 (200)	2	232 (1600)	39 (1000)	80,5 (24.5)
PF-SPR20	1/2-3/4	5.6	8 (200)	2	232 (1600)	47 (1200)	98,9 (30.1)
PF-SPR20	1/2-3/4	5.6	8 (200)	3	232 (1600)	59 (1500)	126,7 (38.6)
PF-SPR20	1/2-3/4	5.6	8 (200)	4	232 (1600)	71 (1800)	154,5 (47)
PF-SPR25	1/2-3/4	5.6	8 (200)	1	232 (1600)	19 (500)	12,9 (3.9)
PF-SPR25	1/2-3/4	5.6	8 (200)	1	232 (1600)	27 (700)	17,1 (5,2)
PF-SPR25	1/2-3/4	5.6	8 (200)	2	232 (1600)	39 (1000)	23,5 (7.1)
PF-SPR25	1/2-3/4	5.6	8 (200)	2	232 (1600)	47 (1200)	27,8 (8.4)
PF-SPR25	1/2-3/4	5.6	8 (200)	3	232 (1600)	59 (1500)	34,2 (10.4)
PF-SPR25	1/2-3/4	5.6	8 (200)	4	232 (1600)	71 (1800)	40,7 (12.4)



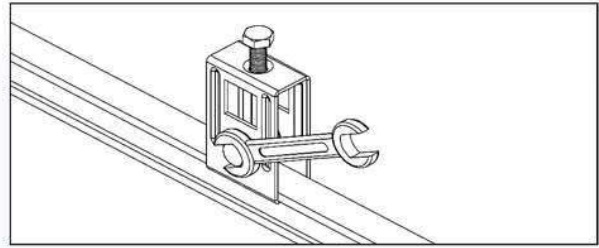
Hoses		Materials	
Lengths	19', 27', 39', 47', 59', 71'	Hose : AISI316L / Braid : AISI304	(01) (02)
Lengths in mm.	500, 700, 1000, 1200, 1500, 1800	Nozzle & Nipple : Carbon Steel	(03) (04)
Sizes	1/2" or 3/4"	Press Ring : AISI304	(05)
Typ	Braided		
Approval	FM		

Installation



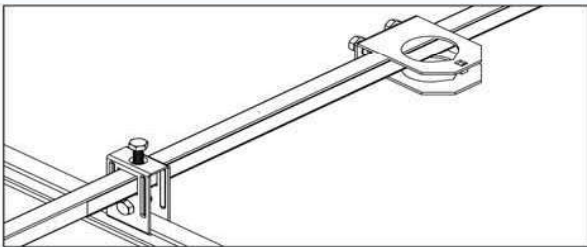
STEP 1 (Connecting the hose to the water line)

The nipple side of the sprinkler hose is connected and tightened to the connection nut on the fire line. The conical nut thread provides proper sealing without using gasket



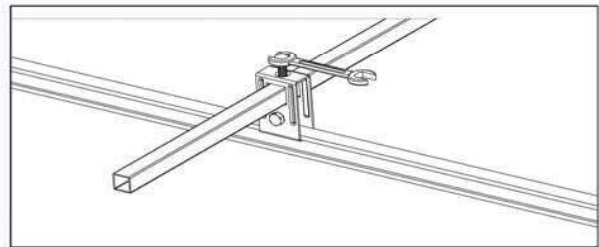
STEP 2 (Attaching the fixing parts to the metal grid)

Two fixing parts are attached on both sides of the metal grid as them to face each other and gently tightened. Do not tighten too much in case further adjustments may be required.



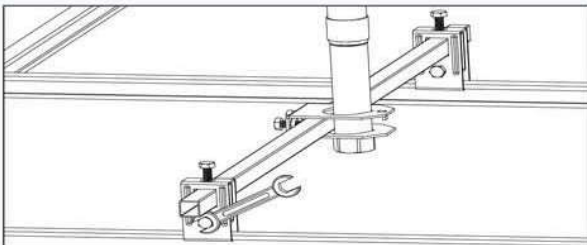
STEP 3 (Placing the assembly bar)

Slide the assembly bar through one of the fixing parts and push it to the opposite direction at the same plane until the unattended end of the bar goes through the hose fixing part and the opposite kit fixing part. Place the assembly bar as leaving equal distance at both sides and screw in the tightening bolts on top of the fixing parts on both ends and gently tighten.



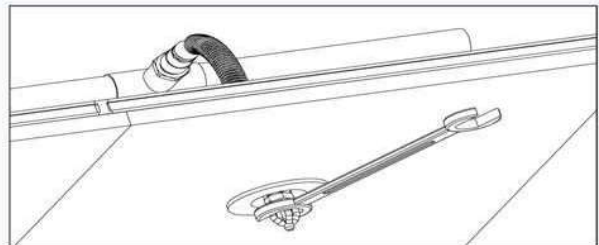
STEP 4 (Connecting the hose to the assembly bar)

Sprinkler side of the hose is connected to the assembly bar as it goes through the hose fixing part. Then the hose fixing part is located as to be aligned with the hole on ceiling and the bolts of the hose fixing part are tightened.



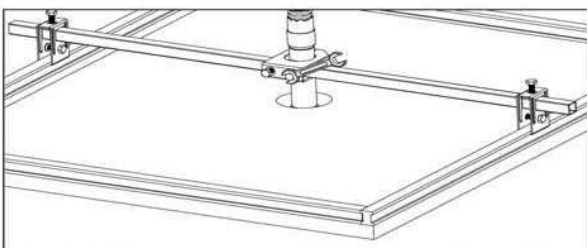
STEP 5 (Tightening the sprinkler connection set)

As the sprinkler connection set is complete and the sprinkler side is aligned with the hole on the ceiling. The bottom bolts of the fixing parts on both sides of the assembly bar are tightened.



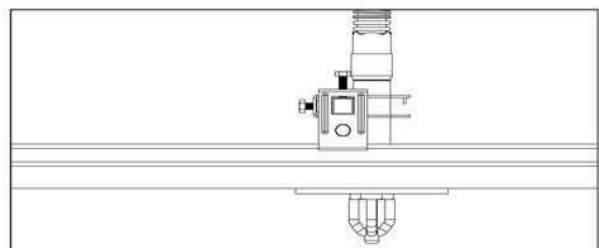
STEP 6 (Connecting the sprinkler head)

The sprinkler head is connected to the sprinkler end of the hose and the escutcheon is tightened. The conical thread of the sprinkler head and the hose nut provide desired sealing with using no gaskets.



STEP 7 (Adjusting the sprinkler head's position)

The bolts of hose fixing part on the assembly bar are loosened a little bit and the position of the sprinkler head is adjusted as it fixed at the desired level according to the ceiling surface. Tighten the bolts back and complete the assembly



STEP 8

After completing the sprinkler hose assembly. The system must be tested in order to detect possible water leaks. Any leaks must be prevented immediately for max. service life and protection against the hazards.

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