

Hose Loads

Mancahca Fire/Rescue
Travis County Emergency Services District #5



Hose Loads

MFR uses a variety of hose loads to ensure rapid and efficient deployment of attack and supply lines for incident operations. Members must know where each type of load is utilized and the method for deploying and loading the line.

The loads include:

Load	Use
Scorpion Load	Bumper Lines
Preconnected Minuteman	Racklines
Dead Load Minuteman	2½" Attack Line
Bundle Load	2" Bundles
High-Rise Pack	2½" Hi-Rise Hose
Wildland Pack	1½" wildland Hose
Flat Load	3" and 5" Supply Hose

Scorpion Load

The scorpion load is used on the engine bumper lines. Its finish places the nozzle and middle coupling at the top of the load so the firefighter can grab both as the line is deployed. This results in the 100' line deploying in an 'S' formation within a 50' stretch.

Bumper Line

100' 1 $\frac{3}{4}$ " hose

TFT Automatic Fog Nozzle

70-200 gpm

Scorpion Load

The scorpion load is a flat load, but when the first coupling is reached, it is laid out of the hose tray with a 2 foot tail. The second section of line is attached and the flat lay continued. When complete, the tail is laid over on top of the load next to the nozzle.

Bumper Line

100' 1 $\frac{3}{4}$ " hose

TFT Automatic Fog Nozzle

70-200 gpm



Preconnected Minuteman Load

MFR uses the minuteman load on all of its 1¾" racklines. With the exception of TEN501, all of these are preconnected to a discharge (On TEN501 one is preconnected and the other is a dead load). This minuteman load allows the firefighter to shoulder the last 100' of the line and to pull off the other 100' and stretch it as a 100' pull or a 50' pull depending on with ear the firefighter grabs.

Rackline

200' 1¾" Hose

TFT Automatic Fog Nozzle
70-200 gpm

or

15/16" Smooth Bore Tip
185 gpm

Preconnected Minuteman Load

Link to Minuteman Deployment

<https://youtu.be/1H1Fk7Vi2D4>

Link to Minuteman Loading

<https://youtu.be/AwVRlpYVjDs>

Rackline

200' 1³/₄" Hose

TFT Automatic Fog Nozzle

70-200 gpm

or

15/16" Smooth Bore Tip

185 gpm

Dead Load Minuteman Load

The 2½" attack line is carried as a dead load so it can be deployed to a remote location or connected directly to the apparatus for a closer attack.

It deploys and loads the same as the preconnected minuteman loads.

2½" Attack Line

200' 2½" Hose

TFT Automatic Fog Nozzle

95-250 gpm

or

1 1/8" & 1 1/4" Smooth Bore Tip Stack

250-400 gpm

Bundle Load

The bundle provides a portable hose pack that can be quickly deployed to attacks beyond the reach of preconnected lines. The bundle may also be use in lieu of a 1¾" line for its additional flow capability.



Bundle

150' 2" Hose

TFT Automatic Fog Nozzle

95-250 gpm

Bundle Load

The bundle is made by taking a 150' length of 2" hose and folding it in half. This doubled line is the accordion folded and tied into a bundle. The length may vary depending on storage space on a particular apparatus, but should typically be in the 6-7 foot range as it is designed to be shoulder carried.



Bundle Load

The bundle is carried to its deployment site with the nozzle and female coupling being set at the water source. The opposite end of the bundle is stretched out to flake out the line.



High-Rise Pack

The high rise pack is four 50-foot sections of 2½" hose configured as four individual packs that are intended to be carried over the air cylinder of a firefighter. Once the location of the fire and conditions on the fire floor is determined, the attack line is assembled with the assistance of two engine companies (typically fire attack 1 and 2).

High Rise Pack

200' 2½" Hose

1¹/₈" & 1 ¼" Smooth Bore Tip Stack

250-400 gpm

High-Rise Pack

For loading and deploying the high-rise pack, see the additional study material in Module 2 of the PFF program.

[AFD Standpipe Hose Fold Guide](#)

[AFD Standpipe Hose Fold - Video](#)

Wildland Pack

The wildland pack is designed to be placed on the ground in a coiled configuration, charged with water, and then advanced. Attempting to advance the line dry will result in multiple twists in the hose that will restrict waterflow.

The pack is created by making a loose coil of out of 100 feet of wildland hose approximately 6 foot in diameter. It is then flattened, joined to and placed on top of another identical coil; and tied together.

Wildland Pack



Wildland hose deployments and loads will be covered in detail in Module 3

Flat Load

The flat load is used for the 3" and 5" supply hose. Remember that in a flat load, exposed couplings should not be allowed to pass by each other in the deployment in order to avoid couplings snagging each other and fouling the load. Additionally, the load should be managed so that couplings do not flip over when deploying.

