

HFS SQUEEZE RAMPS

Specification

Material

- Ramp: black moulded plastic
- Middle sections: aluminium alloy

Weight

- One ramp segment approximately 25 kg. (Four per unit)
- One middle section, consisting of two halves, at approximately 20 kg. each (six per hose ramp set).
- Total set weight 220 kg.

Dimensions complete hose ramps

- Length 1965 mm
- Width per tyre lane 725 mm
- Width for the total squeeze ramp 2635 mm
- Track 1760 mm
- Height 100 mm
- Volume, compact complete set 1000x900x400 mm



Easy and quickly deployable. Ramps coupled to the middle sections with brackets allowing the squeeze ramps to adapt to uneven surface.

It is possible to add a few ramp segments to the set in order to cover the full width of a road, providing optimum safety also for smaller vehicles and cyclists.

Where the ramps are not deployed for large diameter hoses but for smaller diameter hose, cables or any other obstacle up to 75 mm, a simple aluminium link, can connect the ramps together, without the need for the aluminium middle sections.

HFS SQUEEZE RAMPS

Hytrans Fire System has developed a revolutionary solution for large diameter hose crossings.

Conventional hose ramps for 150 mm hose require a hose ramp height of approximately 200 mm and consequently the hose ramps need to be very long (approximately 2800 mm), in order to have at least one axle of a passenger car on the hose ramp while crossing.

The HFS squeeze ramps solution eliminates those problems by introducing a hose ramp that:

- Is only 100 mm. high
- Is only two meter long
- Has a very small ramp angle, allowing higher drive-over speeds.
- Has minimal pressure loss
- Is compact requires less storage space

The key factor of the squeeze solution is found in the use of oval shaped middle sections in which the hoses are placed. When the hose is pressurised, the hose remains pressed in an oval shape. The patented design of those squeeze sections can hold pressures of up to 20 bar in the hoses.



The pressure loss over the full 2,5 meters width of the ramps is less than 0,2 Bar.

One complete (traffic lane) hose ramp set consists of:

- Four identical ramp segments of recycled plastic
 - Three aluminium identical middle (squeeze) sections.
- Each one of the middle sections consists of two half-sections.

The aluminium middle sections of the squeeze ramps are on the top and the bottom equipped with an anti-slip profile, which makes deployment on dirty or slippery soils more secure. The ramp sections are standard equipped with handgrips.



Optional available with reflective arrows on the ramp segments, indicating the location and the driving direction.