



Hold Open Suspension System: Single Track Profile With Rings

Prihoda's Hold Open Suspension system consists of a simple track profile and internal rings made from stainless steel, or from flat aluminum profiles to ensure that the fabric diffuser never droops or sags, even when the fan is off. Rings are fastened with velcro tabs with a standard spacing of 3' (custom intervals available upon request).

The use of rings eliminates inflation "popping/snapping", provides the best appearance with no static pressure, and makes it possible to have a lower minimum airflow on Variable Airflow systems (VAV's). The Screw tensioners in the track profile are used to improve the duct appearance by removing creases and wrinkles in the fabric that may have been created when the ducts were packed and shipped from the factory. The pliability of the fabric allows stretching by up to 0.5% of the length which means the proper length is achieved by using tensioners.

When the rings are 36" or less they are installed in the duct from the factory, allowing the diffuser to be pulled out of the box and simply slide into the track system and then tensioned. Finally fabric ducts can always look round AND still being much easier to install than traditional metal ducting!

Internal rings

Actual diffuser with rings and no air supply

Screw tensioner goes into the track profile

Tensioner hooks the pocket and pulls the duct tight