

Uni-Flange™

Reinforced, Light Flange Connector for HVAC Duct Applications

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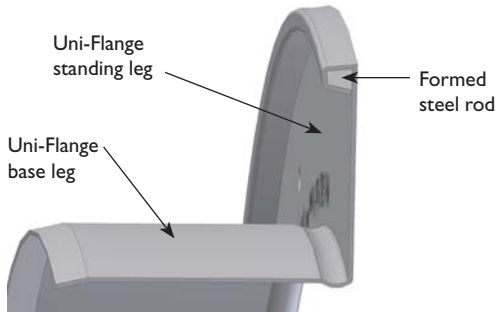
One Mission Park
Groveport, Ohio 43125
614/829-1200, Fax: 614/829-1291
E-mail: marketing@mcgillairflow.com
Web site: mcgillairflow.com

a McGill AirFlow™ Product

Design Features

You will save installation time and costs with Uni-Flange duct connectors. Uni-Flange connectors provide reinforcement with minimal air leakage at the transverse connection. They facilitate quick installation and allow the ductwork to be easily assembled and disassembled.

Profile of Uni-Flange Connector

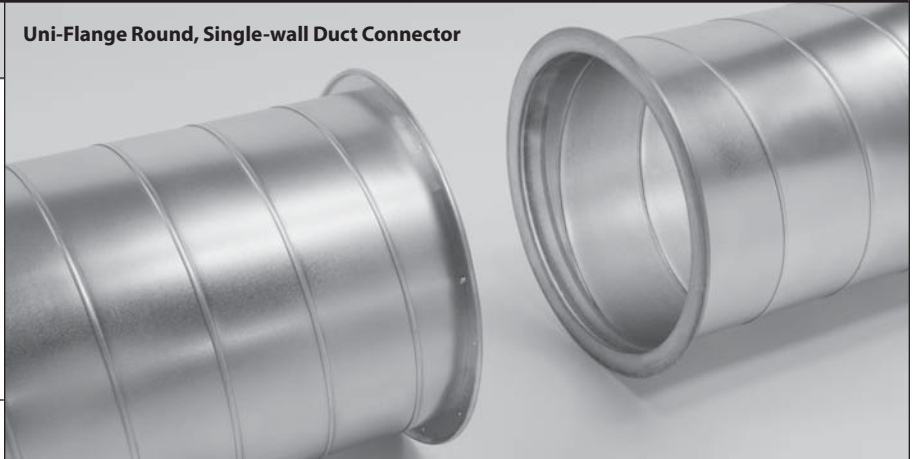


Uni-Flange connectors incorporate a formed, solid cold-rolled steel rod in the standing leg for additional rigidity, which is especially good for flat oval and large diameter duct. This also helps protect product integrity under rough shipping and handling conditions.

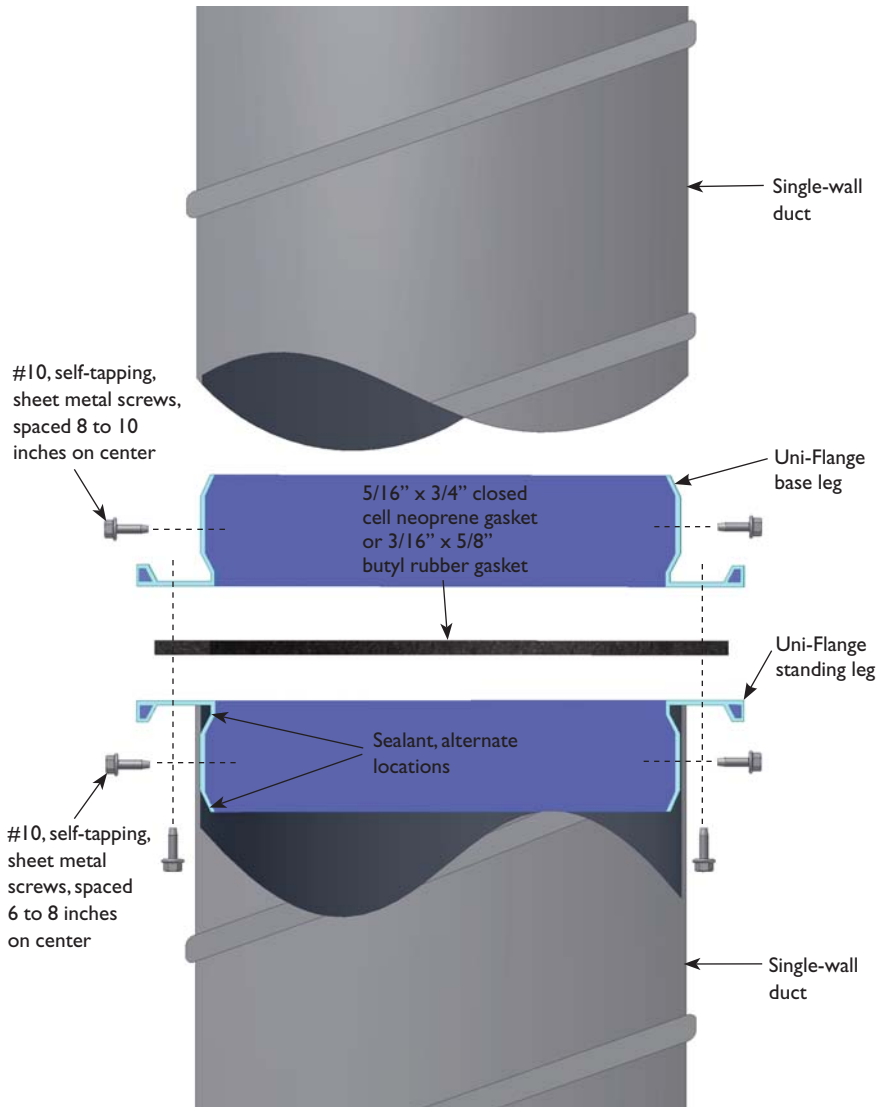
Uni-Flange connectors have several design features that ease the installation process. The inside duct diameter is slightly smaller at the insertion end to ease the installation and allow for sealing at that point. Also there is an indentation in the base leg near the standing leg as another place for sealant. There are starting holes in the standing leg to help in joining the flanges with sheet metal screws.

The stiffness index for the Uni-Flange profile with steel rod reinforcement is 22.2, which qualifies it in the SMACNA G-Reinforcement Class.

Uni-Flange Round, Single-wall Duct Connector



Cross Section of the Uni-Flange Single-wall Duct Connector System



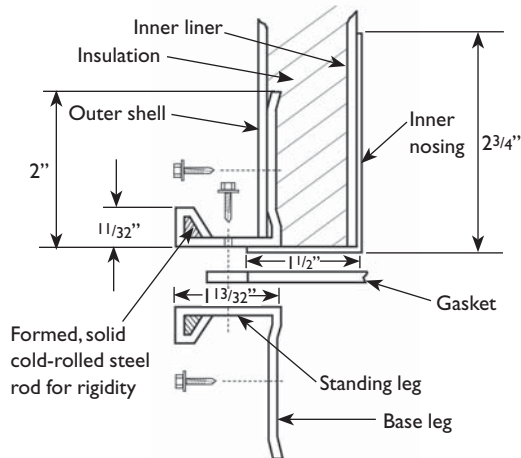
Specifications

Uni-Flange connectors are available for round and flat oval and single-wall and double-wall ductwork. Standard material is 18-gauge, G-90 galvanized steel meeting specification ASTM A-653 (lock forming quality). Aluminum, aluminized steel, stainless steels 304 and 316, and paintable galvanized steel are also available.

Uni-Flange connectors come in round duct diameters of 10 inches through 80 inches. Flat oval sizes are 10 through 44 inches minor axis and 20 through 120 inches major axis.

For double-wall ductwork a 22-gauge inner flange or nosing is used to cover the insulation and the end of the inner wall. Uni-Flange has nosing for 1-, 2-, and 3-inch-thick insulation.

Dimensions of the Uni-Flange Duct Connector (double-wall system shown)

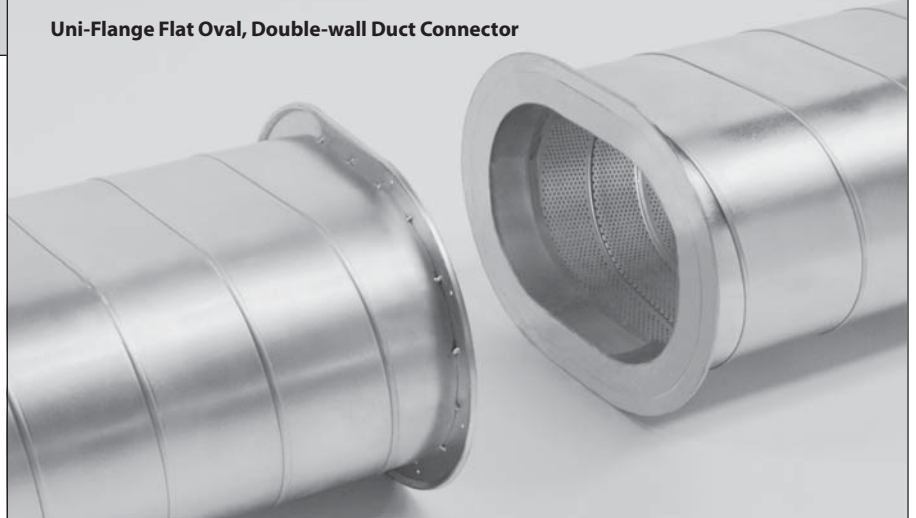


Additional Information

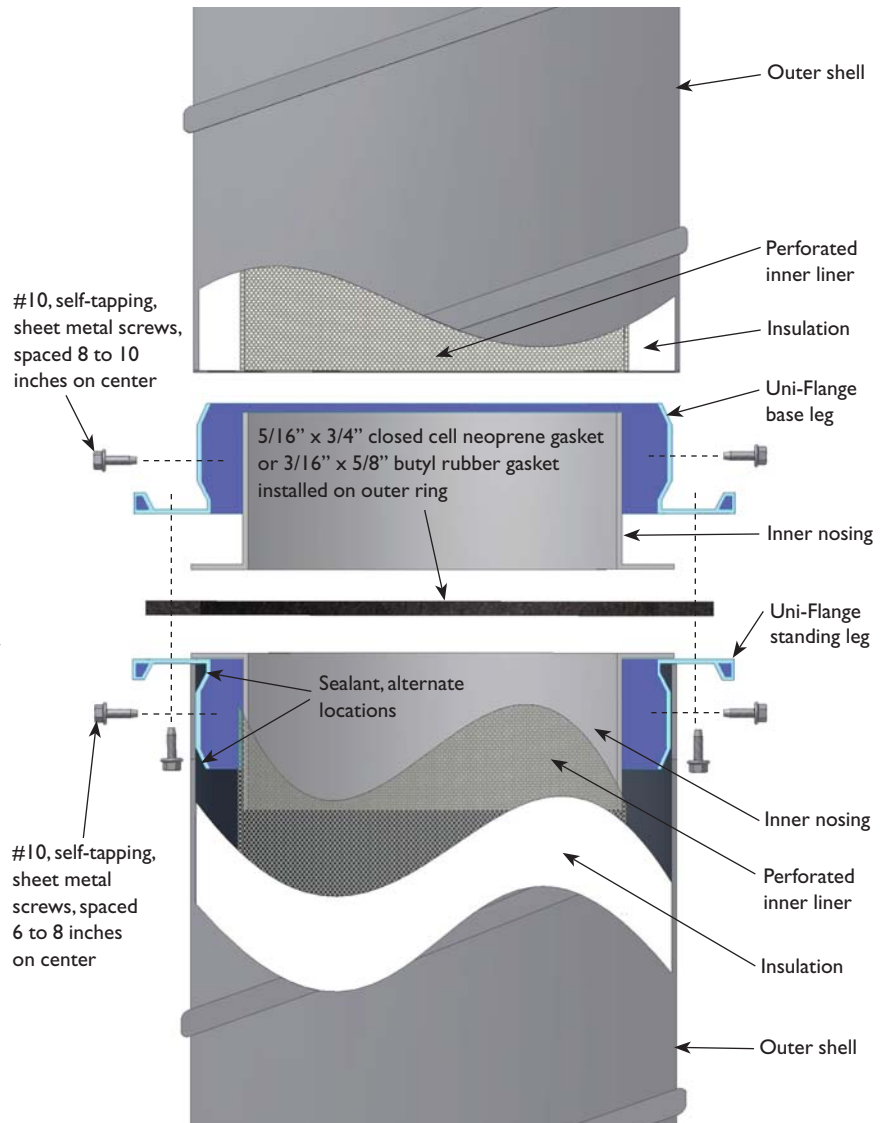
Construction details, dimension drawings, and standard gauges for McGill AirFlow products are available. Please contact the McGill AirFlow sales representative, sales engineering office, or regional manufacturing plant nearest you or see our web site for additional information.

Products depicted in this brochure were current at the time of publication. As a quality-conscious manufacturer, McGill AirFlow is continually seeking ways to improve its products to better serve its customers. Therefore all designs, specifications, and product features are subject to change without notice.

Uni-Flange Flat Oval, Double-wall Duct Connector



Cross Section of the Uni-Flange Double-wall Duct Connector System



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