

FLEX CONNECTORS

New York Blower is pleased to offer flexible connectors for your industrial fan system requirements. Our ability to provide a single source solution to your requirements ensures that the connector being chosen is sized and selected properly to fit in your specific system. We are able to evaluate gas-stream composition, velocity, and temperature to select the proper flex connector for your application. Single-sourcing also ensures that dimensionally your connector will match up to the fan connection. Now you can get all your system requirements from your **nyb** representative!



STANDARD INDUSTRIAL FLEXIBLE CONNECTOR

Maximum Temperature: 450°F.
Maximum Pressure: 60" WG
Minimum Temperature: -40°F.
Material: Silicone coated heavy fiberglass cloth
Description:

nyb flanged flex connector with primed mild steel flanges. Rectangular flex connectors feature rounded corners for longer belt life. Good resistance to oils and hydrocarbons. Available with 304 SST and 316 SST flanges as an option. Circular flex connectors 35" in diameter or less and/or rated for 15" WG or less typically incorporate a band clamp in lieu of a bolted backing bar design. All rectangular flex connectors incorporate a bolted backing bar design.

STANDARD 550°F. INDUSTRIAL FLEXIBLE CONNECTOR

Maximum Temperature: 550°F.
Maximum Pressure: 100" WG
Minimum Temperature: -40°F.
Material: PTFE coated heavy glass fabric
Description:

nyb flanged flex connector with primed mild steel flanges. Rectangular flex connectors feature rounded corners for longer belt life. Flex member has thermal sealed seams. A tough and durable high strength flex connector suitable for wet or dry applications. Severe chemical and temperature capabilities. Available with 304 SST and 316 SST flanges as an option.

CHEMICAL DUTY U-TYPE FLEXIBLE CONNECTOR

Maximum Temperature: 550°F.
Maximum Pressure: 100" WG
Minimum Temperature: -40°F.
Material: Zero porosity, PTFE coated heavy glass fabric
Description:

nyb flanged, molded flex connector with primed 1/4" mild steel backing bars that mount outside the airstream. They are punched to match **nyb**'s standard bolt hole pattern. A tough and durable high strength flex connector suitable for wet or dry applications. Severe chemical and temperature capabilities. The highest level of corrosion resistance.

SLIP FLEXIBLE CONNECTOR

Maximum Temperature: 450°F.
Maximum Pressure: 15" WG
Minimum Temperature: -40°F.
Material: Silicone coated heavy fiberglass cloth
Description:

nyb slip flex connector with primed collars for commercial/light industrial applications. Adjustable clamp band holds flex member securely to collars. Suitable for exposure to sunlight and weather, with good resistance to oils and hydrocarbons. AVAILABLE IN CIRCULAR ONLY. **Not available with air flow deflector or acoustic wrap.**



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MODIFICATIONS AND ACCESSORIES



Standards 550°F. Industrial Flex Connector with acoustical wrap and SST flanges.



Standard Industrial Flexible Connector with air flow deflector.

ACOUSTIC FLEX CONNECTOR

If your system has high in-duct noise levels, it is highly recommended that **nyb** acoustic flex connectors be used to reduce the breakout noise into the surrounding environment. **Not available on slip connectors.**

Attenuation of **nyb** acoustic flex connectors is as follows:

Hz	63	125	250	500	1000	2000	4000	8000	overall
No deflector	6	11	18	27	34	46	56	56	24 dBA
With deflector	10	14	21	30	37	49	59	59	27 dBA

AIR FLOW DEFLECTOR

Air flow deflectors are available for high velocity and material handling applications. Air flow deflectors are required for velocities over 7000 FPM and particulates/dust loadings over 1 grain per SCFM. Maximum velocity is 12,000 FPM. **Not available on slip connectors.**

PRODUCT FEATURES AND NOTES

- nyb** flex connectors are designed to provide maximum vibration isolation for fan connections and duct systems.
- The standard finish on all flanges, slip collars and backing bars will be a gray primer for applications up to 300°F. Above 300°F., a high-heat gray primer will be utilized. Special finishes are available for an additional charge.
- The backing bars on U-Type flex connectors and the slip collars on slip flex connectors are available in 304 SST and 316 SST construction for an additional charge.
- Flex connectors suitable to 850°F. and aluminum construction are available for an additional charge.
- nyb** flex connectors are available down to 8" in diameter, both circular and rectangular. Flex connectors are not available on the following lines: Air Kit, Compact GI, Junior, DWDI (inlet), Plug Fan, Plenum Fan, Prop Fans, URV, HRV, CRV, FRP Tubeaxial, and Pressure Blowers with 04 and 06 inlets or outlets. In addition, flex connectors are not available on the RFE 160 and 200, and the outlets of the size 144 GI and the size 670 Series 60 Fans. Contact **nyb** for other options.