

Thank you for selecting a fabric duct ventilation system. This Guide should be helpful for installing all Fabric systems manufactured for a Single Flush Track and Surface Mount Suspension Systems.

Sections of fabric will be labeled, assembled, bagged and boxed for shipping. More complicated systems will include a CAD detail of the system identifying which components are in each package. Depending on the size of a project or order, the system will be shipped by common courier in boxes. All orders including our Flush Mount - or - larger orders will shipped in crates by freight carrier.

INSTALLATION STEPS:

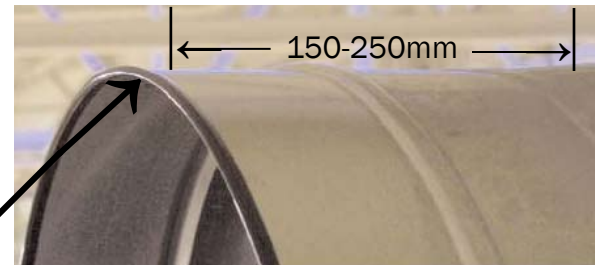
- 1: Prepare Metal Outlet Collar for Fabric Connection
- 2: Identify Cable Locations / Install Supports & Cable
- 3: Install and Assemble Components
- 4: Start Up AHU / Adjust DuctSox Fitment
- 5: Balance Airflow / Final Filter (if needed)

Step

1

METAL OUTPUT COLLAR CONNECTION

- DuctSox inlets are mfg. 13mm larger than specified to fit over metal duct.
- Collar length should be 150-250mm for secure fabric attachment.
- Edge guard (provided) should be installed on the edge of the metal collar to reduce fabric wear on metal edge.



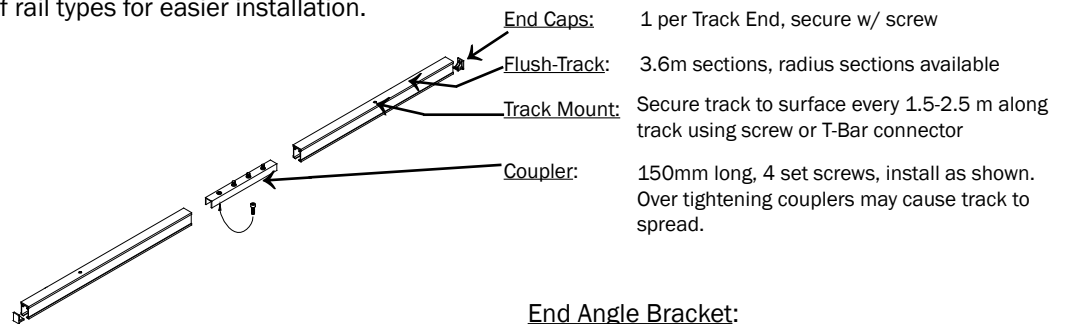
Step

2

LOCATE CABLE ANCHORS / COMPONENTS

Flush Mount Track System includes anodized aluminum track, couplers and suspension components. T-Bar fasteners available for variety of rail types for easier installation.

Coupler component available in 316 S/S for caustic applications.



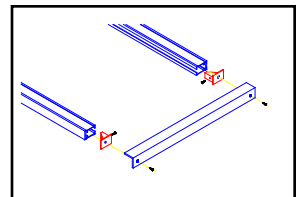
Track Stops:
1 per straight run, install at end to secure last snap on DuctSox in tension.



T-Bar Clips:
Mount Flush Track to T-Bar ceiling. Include 1 per 1.2m of track. Std. type for 250mm T-Bar rail (others available).

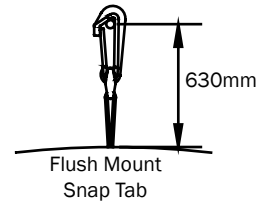
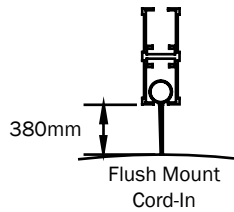
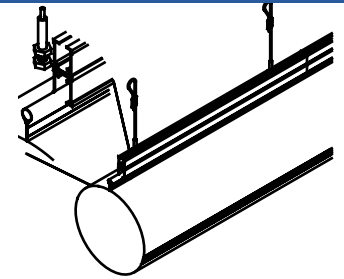
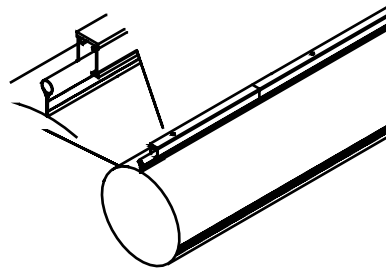
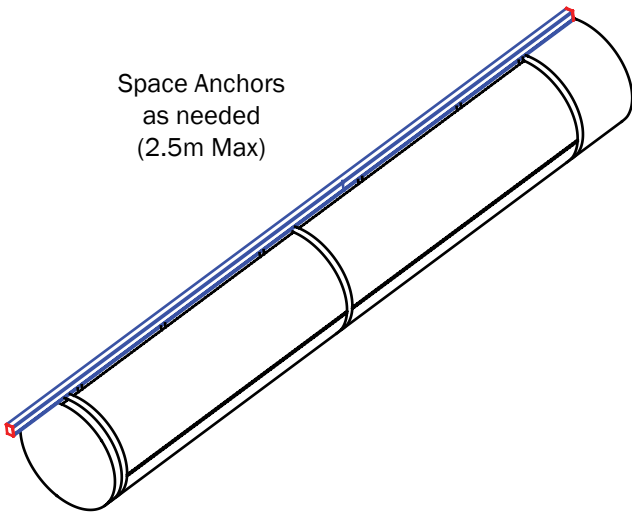


End Angle Bracket:
For Surface Mount Series DuctSox (2 Row Flush Track). Length of aluminum angle supplied to secure spacing between tracks (side mounted as shown). Include 1 per Surface Mount endcap. Drill may be required.

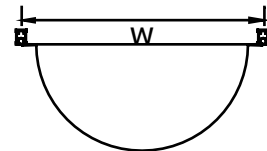
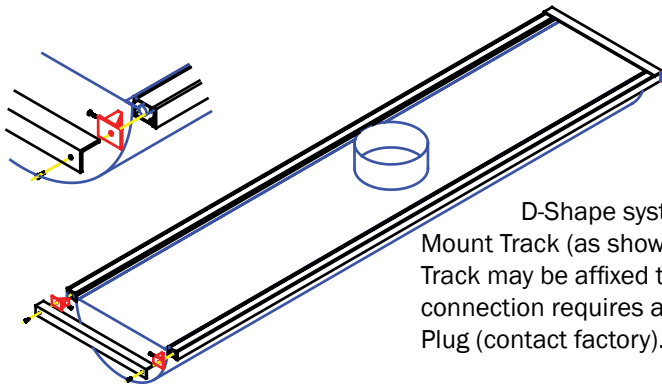


CYLINDRICAL

Space Anchors as needed (2.5m Max)



D-SHAPE

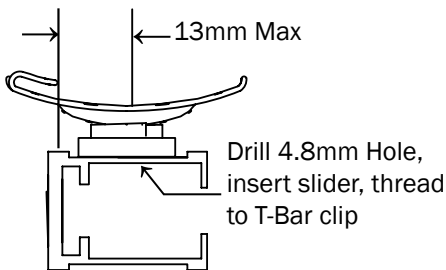


D-Shape systems require side mounted Flush Mount Track (as shown). Distance (W) between tracks as listed. Track may be affixed to surface using T-Bar clips or screws. Screw connection requires a 13mm access hole through side of track and Plug (contact factory).

Finish Angle Bracket required only on ends with endcaps - and should installed after the DuctSox system.

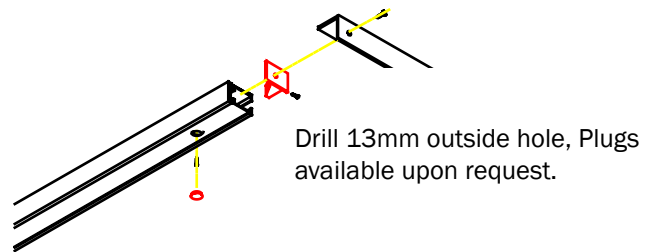
D-SHAPE	W
360mm	400mm
460 mm	510mm
560mm	610mm
660mm	710mm
760mm	810mm
860mm	910mm

T-Bar Clips



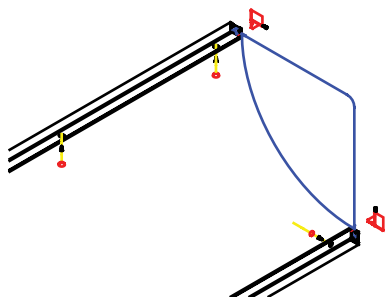
Drill 4.8mm Hole, insert slider, thread to T-Bar clip

Screws and Plugs



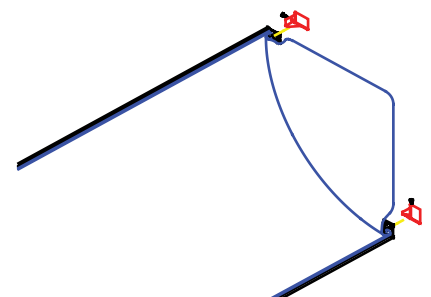
Drill 13mm outside hole, Plugs available upon request.

D-SHAPE



Quarter Round requires two Flush Tracks mounted on perpendicular surfaces.

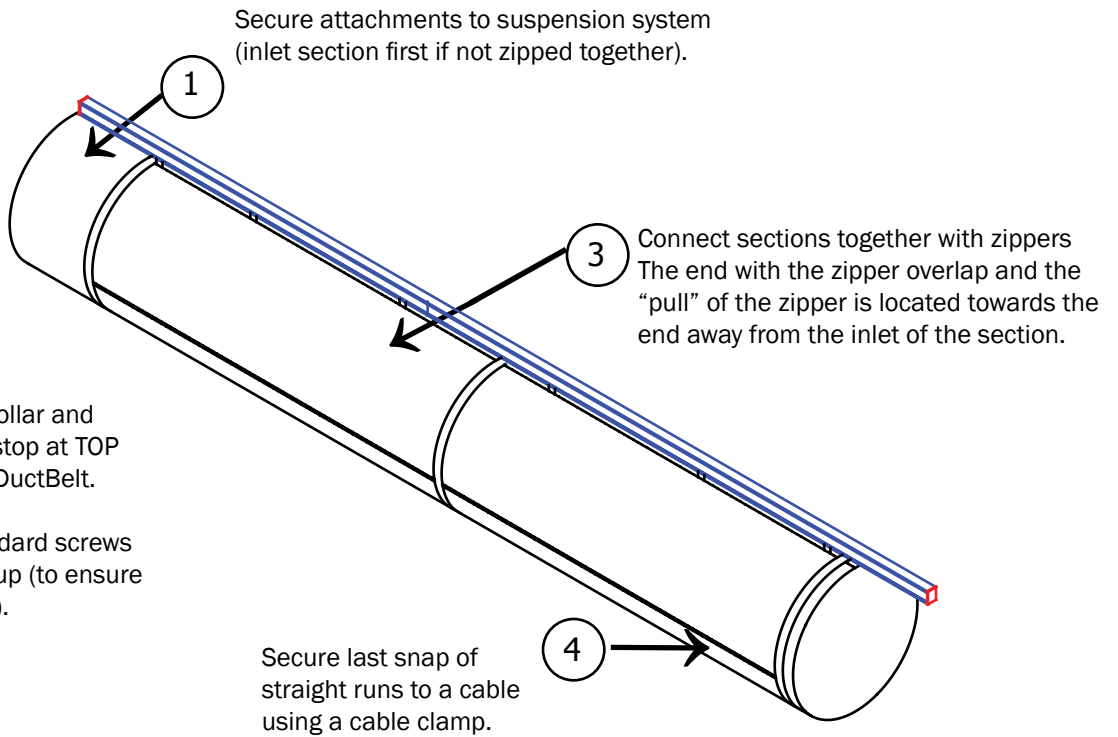
The tracks can be mounted to be exposed or concealed. Locate concealed tracks so outer edge is 13mm smaller than the radius.



3 DUCTSOX FABRIC INSTALLATION

- Do not install DuctSox system until the building construction is completed and site is clean.
- Confirm centerline dimensions before unpacking and installing the DuctSox.
- During installation, use caution in all steps to keep the DuctSox clean.

Larger systems may be packaged separately. Each package will include a CAD detail revealing which sections are included in the package. Each piece includes a label on each zipper which includes diameter, length and piece number of that particular section.



4 START UP

Turn on the AHU and inflate DuctSox System. Check all snaps and sections to ensure system is inflating properly. If required - move snaps to eliminate puckering at binding locations. If lengths do not fit properly - contact the factory to coordinate rework to ensure proper fit.

Once system is properly adjusted, deflate the system, pull the last snap in each straight section and secure tension using track lock (will reduce inflation "popping"). If the system includes elbows - secure the last snap before elbow(s).

***Track locks are provided to secure snaps.**



System must be balanced to design CFM and static pressure immediately after installation. Most DuctSox systems include a zipper at the inlet location for easy access to monitor flow.

If the fabric is fluttering after balancing, please contact the factory immediately. Solutions to the fluttering include adjusting the Adjustable Flow Device (AFD), adding AFD's or other tasks that would result in laminar airflow.

FILTRATION / DUCTSOX FINAL FILTER

If included, a DuctSox Final Filter will be provided assemble with the DuctSox system and should be positioned at the first zipper at the inlet of the DuctSox run. If the Equipment / fabric duct is going to be running during construction, a Merv 8 construction filter may be helpful in reducing build up of dust / dirt.

If the system becomes dirty/soiled during installation, please coordinate a proper cleaning prior to completion. Exterior surface dirt can - most frequently - be blown off using a combination of a brush and compressed air.

LAUNDRY INSTRUCTIONS

Sedona-Xm, TufTex, Verona, DuraTex, Microbe-X & Stat-X fabrics:

- Remove system and break down into sections
- Turn Soiled side out, soak in cold water for 30 minutes
- Wash cold gentle cycle
- Rinse thoroughly (repeat cycle if water / DuctSox still soiled)
- Drip-dry or no heat tumble dry

EkoTex fabric (cannot launder)

- Remove DuctSox, spray clean with hose / water source.

If any questions arise regarding the installation of your DuctSox system,
please do not hesitate to consult your support team at
(866) DuctSox (382-8769).

DUCTSOX[®]
Fabric Duct Ventilation Products

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