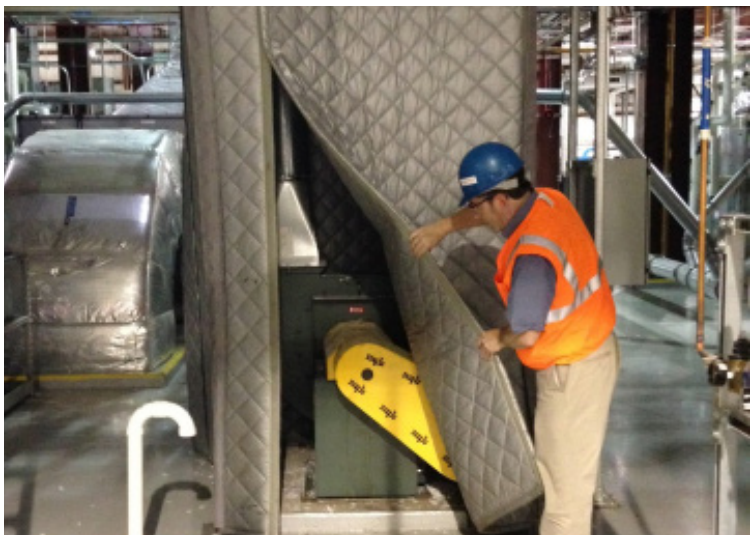
eNoise Control

SOUND CURTAINS



eNoise Control

Specializing in Acoustics,
Noise & Vibration Control

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eNoise Control Sound Curtain Systems

Sound curtain enclosures are ideal solutions for industrial noise. Noise control efforts are essential in plants and industrial facilities to comply with OSHA standards. eNoise Control has years of experience designing sound curtain systems.

Sound curtains use a combination of a noise barrier material with sound absorption. This combination is extremely effective in reducing industrial noise. The exterior facing is an industrial grade vinyl resistant to tears and stains. The diamond stitched material also maintains a professional look for any industrial facility.

Curtain systems are modular and cost effective. They easily install to any support structure with grommets and Velcro seals allow panels to be joined together to form a wall. Enclosures can be floor mounted, ceiling mounted, wall mounted, or suspended from a roof deck. Roller track systems allow for easy access to machinery. Standard components are utilized to offer custom enclosures to meet your specific applicaiton.

Industrial quilted fiberglass absorbers are soft, porous, open-celled materials used to reduce the reflection of sound waves. Lightweight and flexible with a Class A flammability rating, they can be installed as wall panels, ceiling baffles, banners, or ceiling clouds.

Full Enclosures

- Four sides with a roof
- Noise reduction exceeding 20 dB(A)
- Offers access, visibility, and ventilation

Partial Enclosures

- Two or three sides
- Four sides without a roof
- Barrier wall
- Noise reduction exceeding 15 dB(A)

Outdoor Applications

- Heavy duty, weather resistant curtains
- Short-term, temporary, or long-term
- Ideal for construction sites and HVAC systems

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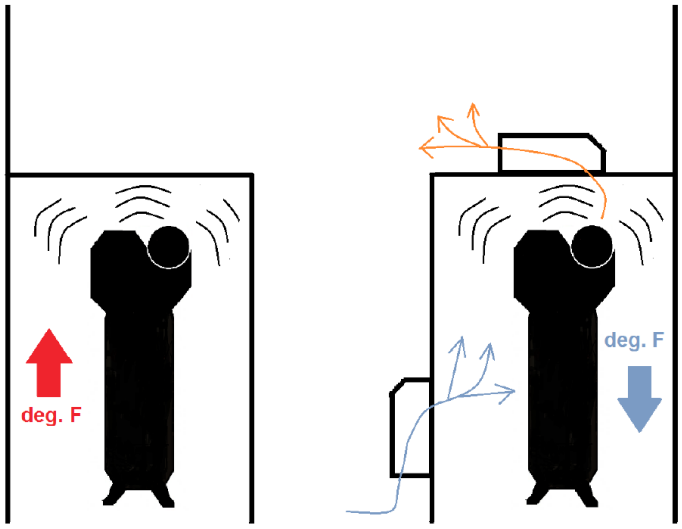
Enclosure Ventilation

Industrial in-plant enclosures with a roof may require ventilation hoods or baffles for cooling. These typically utilize passive ventilation and do not contain a forced air fan. The concept is that you can located a silenced air intake as low as possible on the side wall with a silenced air discharge on the roof. As the hot air rises and exits out of the discharge vent, it draws fresh air in through the intake vent. Each ventilation baffle is rated for approximately 700 CFM of passive airflow. For large equipment with high horsepower motors, forced air ventilation may be required.



Clear Vinyl Windows

Windows are a useful option to add to your Sound Curtain Enclosure System. The windows provide visual access to areas within the enclosure or wall to see equipment operation, gauges, controls, and personnel without the need to open the enclosure. Factory sewn into the panels, the “windows” are 1 pound per square foot sound barrier, so the acoustics of the enclosure will not be compromised.

Acoustic Data

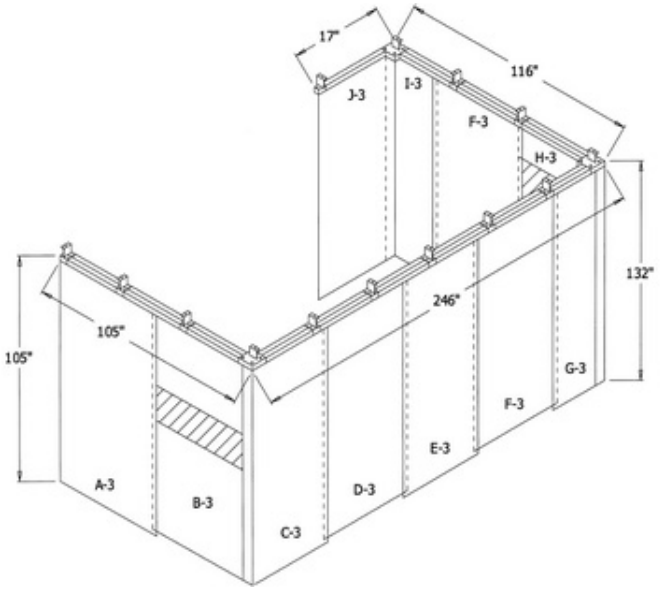
Curtain Panel Style	Barrier	Absorber	Sound Transmission Loss - dB Octave Band Center Frequency - Hz 125	250	500	1000	2000	4000	STC	NRC
Barrier/Absorber										
Model UNC-13	1 LB Vinyl	1” Quilted	17	18	23	28	35	40	28	.70
Absorber/Barrier/Absorber										
Model UNC-25	1 LB Vinyl	2” Quilted	19	20	25	30	37	42	30	.85

Sound Transmission Loss Data per ASTM E90-09 and E413-10 Lab Tests
Sound Absorption Data per ASTM C423-09a and E795-05 Lab Tests
STC = Sound Transmission Class
NRC = Noise Reduction Coefficient

Rail Track and Support Systems

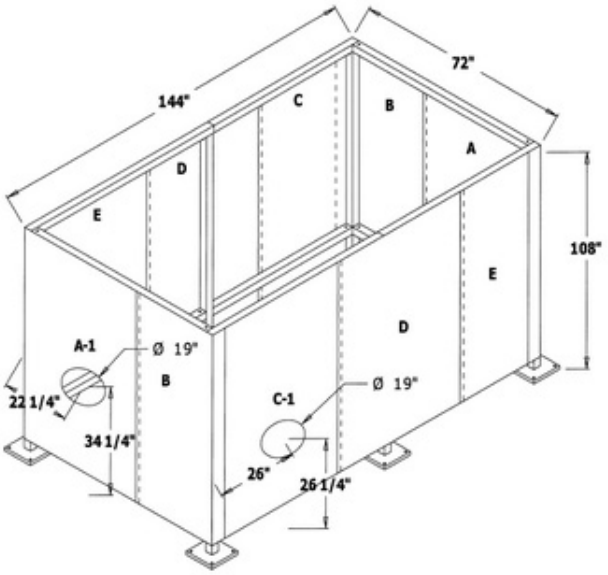
eNoise Control offers ceiling suspended and floor mounted systems for your sound curtain enclosure.

Ceiling Mounted Track



Ceiling mounted track systems allow for panels to easily slide past one another for superior access.

Floor Mounted Track



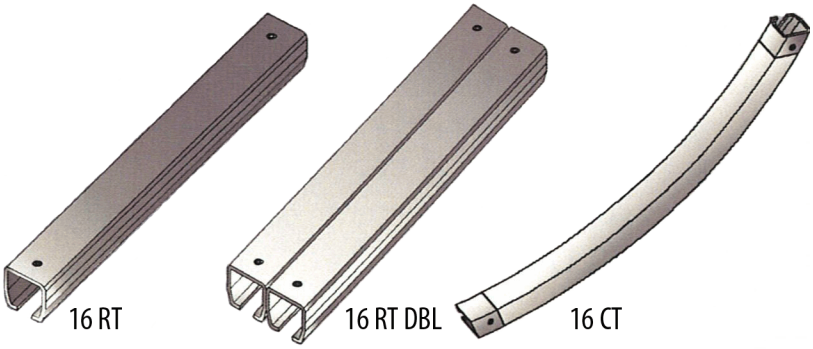
Floor mounted support systems create a free-standing curtain enclosure. These systems allow for easy set-up, reconfiguration, and relocation.

Frame Support and Hardware

eNoise Control sound curtain systems come with a variety of hardware to create a freestanding enclosure. Hardware is designed for easy setup, reconfiguration, and relocation with interchangeable universal parts.

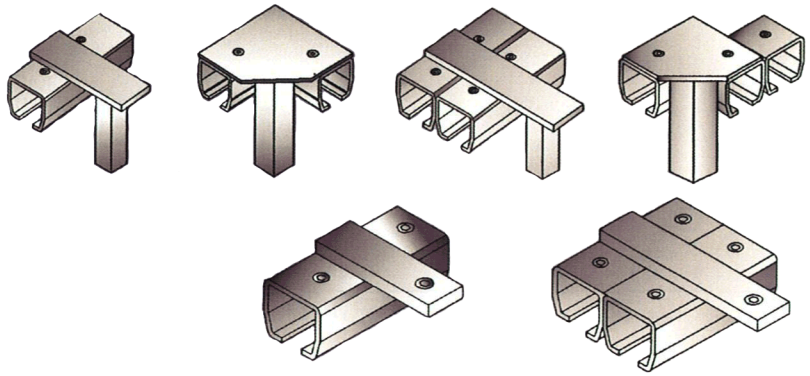
Roller Tracks

12 gauge, zinc-plated, accepts up to 1/2” diameter threaded rod. Corner, middle, and curved connectors available for single or double track systems. Utilized to attach to I-beams.



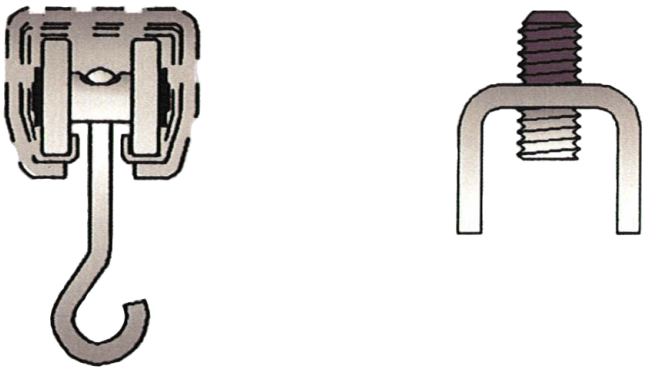
Track Connectors

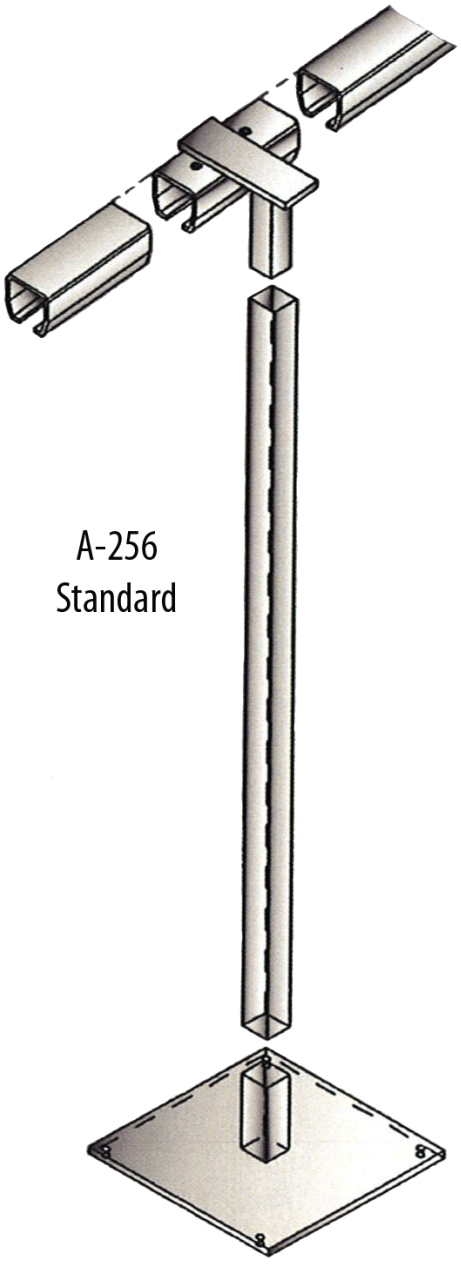
Universally fitting roller track connectors are made from 12 gauge zinc-plated steel. Available in single or double track and end, corner, and middle pieces.



Universal Track Parts

Universally fitting rollers available in 1 1/2” nylon or 1” steel. All hook and roller assemblies use two rollers.





Standard System

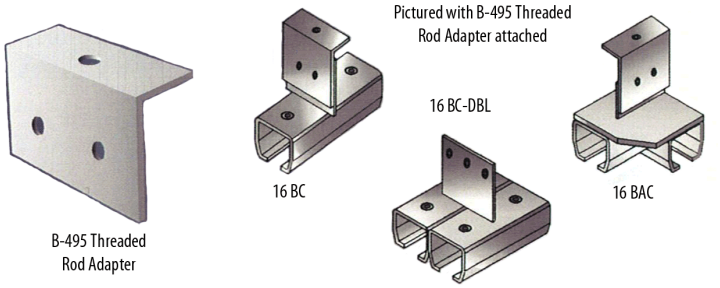
Made from 12 gauge steel, columns telescope over bases and connectors up to 12’ in height.

Two floor base options available:
12” square, 1/4” thick steel plate
6” square, 3/16” thick steel plate

Frame Support and Hardware

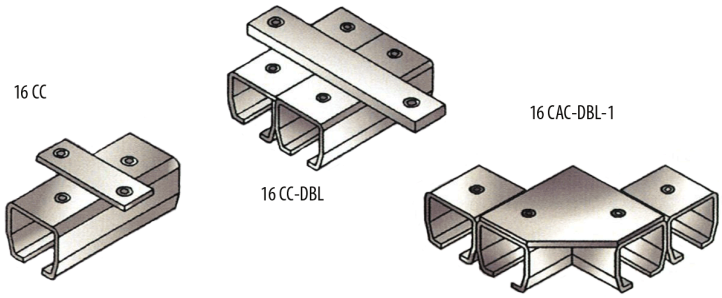
Suspended Systems

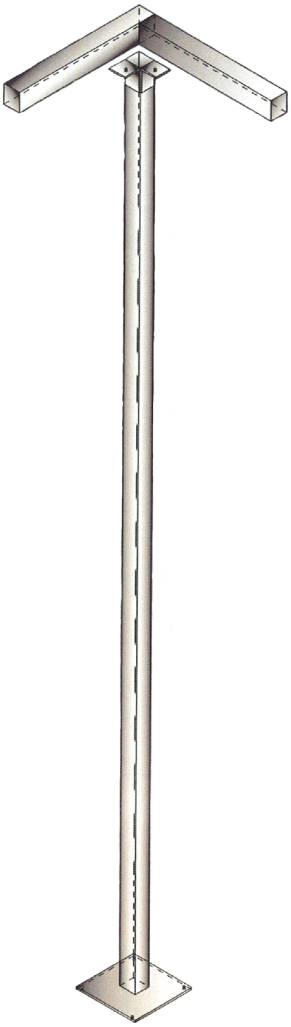
12 gauge, zinc-plated, accepts up to 1/2” diameter threaded rod. Corner, middle, and curved connectors available for single or double track systems. Utilized to attach to I-beams.



Ceiling Mount Systems

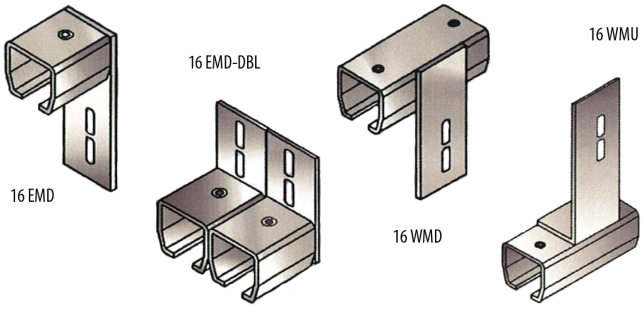
12 gauge and zinc-plated. Corner, middle, and curved connectors available for single or double track systems.





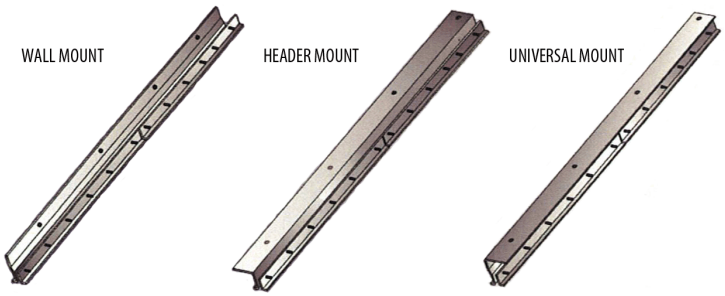
Wall Mount Systems

12 gague and zinc-plated. Corner, middle, and curved connectors available for single or double track systems.



Stationary Vinyl StripDoor Hardware

Made from galvanized steel, aluminum, or stainless steel. 8’, 10’, or custom lengths available. Includes 1” studs, spaced 2” on center, clamping plates and lock nuts. Three styles to choose from.



Heavy Duty System

Made from 2 1/2” square steel tube, 3/16” thick. Floor base, column, and cross-beam connector angle are one-piece all welded construction. HD curtain frames are painted for durability.