Diamond Needle Corp.
EW WHITE DIAMOND
60 COMMERCE ROAD
CARLSTADT, NJ 07072
TEL: 201.507.1771 TOLL FREE 800.221.5818
FAX: 201.507.1715 TOLL FREE 800.833.3363
E-MAIL: sales@diamondneedle.com

To determine the selection of Feedrail components, you need to have a layout.

The busway comes in 10 foot lengths. The FRS-100 is the standard type.

The FRS-100 busway has the copper rods to conduct electricity inside the track shell.

A narrow open channel on the bottom of the busway lets plug-in jacks make contact with the copper inside. These plug-in jacks get locked into place as they make contact with the internal copper rods.

When the busway is intended to be used with trolleys that will make contact with the internal rods and slide along the length of the busway, you need to install the trolleys inside the busway. This means that the trolleys must be inserted into the busway when assembling the busway layout.

If you are using FRS-100 with plug-in jacks and then want to insert trollies, you must disassemble the busway to insert the trolley. If for any reason you need the remove the trolley, you must disassemble the busway again. Obviously this is impractical.

You, therefore, need FRS-101 “trap door” type busway. There is a “door” that you open to insert or remove the trolley.

The FRS-102 is more expensive than the standard FRS-100. For any length of busway assembled, you need a minimum of one FRS-101 “trap door” busway.

Examples:

1) One 10 foot length of busway for trolleys, you need the FRS-101.
2) For one length of assembled busway that may be 20 feet, 30 feet or more, you need only one FRS-101 “trap door” busway with as many FRS-100 to reach the desired length.

Choice of trolleys: One Trolley will be used to connect to one machine.

FRS-32 for Single Phase (2 poles -2 sets of rollers that make contact with internal copper rods)

FRS-12 for Three Phase (3 poles – 3 sets of rollers that make contact with internal copper rods)

How to connect the sections of busway:

You will need one (1) FRS-102 coupling to connect two lengths of busway. To connect three lengths of busway you will need two (2) FRS-102 couplings.

Each end of the set up busway will need a FRS-106 “Dead End Cap”. The end cap will prevent exposure of the energized copper rods and will prevent the trolley from coming out of the busway.

How to bring energy (electricity) to the busway:

Know where the source of electricity for the busway is located. It might be on a wall or a ceiling. Your choice of “feed” will depend where the source of electricity is located in relation to where you will install the busway.

If you bring the electricity to one end of the length of set up busway, you need FRS-106 “End-Feed” with FRS-110 box. (This set up will take the place of one FRS-106 Dead End Cap).

If you are bring electricity to the busway set-up between two lengths of busway, you will need one (1) FRS-103 “center feed” and one (1) FRS-110 Junction box.)This will take the place of one FRS-102 coupling).

How to hang the busway:

You need to determine what the ceiling will look like to determine the choice of hanger, tie rods, etc.

The FRS-105 is a standard hanger. You will need two (2) FRS-105 for each length of busway.

Please see our Feedrail brochure to see alternative hangers and accessories.

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email: sales@diamondneedle.com
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