

## Insulating Assemblies

A comprehensive range of nylon insulating assemblies are available to suit those installations where there is a requirement to prevent bi-metallic corrosion between the Speedway cable ladder system and the support structure. A typical example is a stainless steel Speedway cable ladder system mounted on galvanised or painted steel supports.

The insulating assembly is based on nylon base pads, nylon bushes and nylon washers which, when used with the Speedway external flange clamp or the Speedway adaptable fixing bracket, totally encapsulate the fixings and provide electrical separation between the Speedway cable ladder system and the supporting structure.

### Insulating Assembly Components- External Flange Clamp (EFC)

Item	Part Number	Description
1	318AK\$\$	M10 Hex Head Set Screw Stainless Steel
2	315AE90	M10 Flat Washer Stainless Steel
3A	SW/EFC/SS	Speedway External Flange Clamp Stainless Steel
4A	315AN10	Nylon Pad (66.5 x 50 x 4mm)
5	315AN01-##	Nylon Bush - Length = ##
6	315AE05	M10 Flat Washer Nylon
7	315AD90	M10 Hex Nut Stainless Steel

### Insulating Assembly Components- Hold Down Bracket (HDB)

Item	Part Number	Description
1	318AK\$\$	M10 Hex Head Set Screw Stainless Steel
2	315AE90	M10 Flat Washer Stainless Steel
3B	SW/HDB/SS	Speedway Hold Down Bracket Stainless Steel
4B	315AN18	Nylon Pad (75 x 50 x 4mm)
5	315AN01-##	Nylon Bush - Length = ##
6	315AE05	M10 Flat Washer Nylon
7	315AD90	M10 Hex Nut Stainless Steel

### Insulating Assembly Components- Adaptable Fixing Bracket (AFB)

Item	Part Number	Description
1	318AK\$\$	M10 Hex Head Set Screw Stainless Steel
2	315AE90	M10 Flat Washer Stainless Steel
3C	SW/AFB/SS	Speedway Adaptable Fixing Bracket (AFB)
4C	315AN12	Nylon Pad (80 x 55 x 4mm)
5	315AN01-##	Nylon Bush - Length = ##
6	315AE05	M10 Flat Washer Nylon
7	315AD90	M10 Hex Nut Stainless Steel

\$\$ - Thread length code. See table below.  
## = Thickness of supporting steelwork in mm.

The minimum thread length for the 318AK\$\$ M10 fixing bolt is 22mm plus the thickness of the supporting steelwork. Refer to the table below for details of the fixing bolts.

### 318AK\$\$ Fixing Bolt Details

Part Number	Thread Length	Description
318AK82	25mm	M10 x 25 Hex Head Set Screw Stainless Steel
318AK83	30mm	M10 x 30 Hex Head Set Screw Stainless Steel
318AK84	35mm	M10 x 35 Hex Head Set Screw Stainless Steel
318AK85	40mm	M10 x 40 Hex Head Set Screw Stainless Steel

The length of the 315AN01-## nylon bush is the thickness of the supporting steelwork. For example, 315AN01-10 has a length of 10mm to suit 10mm thick steelwork. The nylon bush requires a 17mm diameter hole in the supporting steelwork.

Consult our Design Team for details of insulating assemblies to suit channel (BS 6946 strut type) and rolled hollow sections. ■

