Installation Recommendations for Anchor Inserts and Anchor Bolts

Top Down Installation Method

When using the top down method with PANGUARD or other Pandrol Track Support Product, assemble the PANGUARD at the proper location on the rail, assuring that the rail is properly set for gage, cross level, line and as other specific contract details may require.

➤ Insert serrated washers, (washers should be set to middle of the slot if an adjustable serrated washer is used), and insert the bolt through the washer. If using the actual bolts, all lock and flat washers should be included at this time. (Note: If extremely long bolts are specified for the project, shorter bolts of the same thread maybe used at this point for ease of construction. The shorter bolts must be replaced with the correct bolt grade and length prior final torque application.)

➤ Next attach the shim plate supplied with the assembly. A metal shim of the same thickness can be substituted during the pouring operation to prevent the flow of concrete between the plastic shim pad and the bottom of the assembly. The substitute metal shim will need to be replaced once the concrete has cured to an acceptable level.

➤ Screw the anchor insert onto the bolt and snug all components together applying minimum torque. The insert should be firmly against the bottom of the shim pad and the pad must be tight against the bottom of the assembly. The top of the insert must be square to shim pad. The top of the insert should be at the top of the concrete level or no more than 1/8" below the concrete level.

➤ After the concrete has been poured and cured to an acceptable level, the correct anchor bolts should be torqued to the correct foot pounds as required for the bolt diameter and material. It is suggested that an agreed upon sampling plan concerning the number of anchor bolts should be followed to verify proper torque is being set and maintained by using a calibrated torque wrench. Example, if 50 bolts are used in an installation, 5 random bolts should be checked.

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