



SECTION 716

NEOPRENE BEARINGS

SECTION 716.10 PLAIN AND LAMINATED NEOPRENE BEARING PADS.

716.10.1 Description. This work shall consist of furnishing and installing complete factory-produced plain or laminated neoprene bearing pads as shown on the plans or as directed by the engineer.

716.10.2 Material. All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

Item	Section
Elastomeric Bearing Pads	1038

716.10.3 Construction Requirements. The neoprene pads shall be bonded to the bearing seat with an epoxy adhesive, in accordance with the bearing manufacturer's recommendations for bonding neoprene to concrete to prevent sliding.

716.10.4 Method of Measurement. Measurement will be made per each. The plain neoprene bearing pad, complete in place, shall include the plain neoprene bearing pad and any incidental materials needed to complete the work. The laminated neoprene bearing pad, complete in place, shall include the laminated neoprene bearing pad and any incidental material needed to complete the work.

716.10.5 Basis of Payment. The accepted quantity of plain neoprene bearing pads will be paid for at the contract unit price.

SECTION 716.20 LAMINATED NEOPRENE BEARING PAD ASSEMBLY.

716.20.1 Description. This item shall include furnishing and installing complete factory produced bearings as shown on the plans or as directed by the engineer.

716.20.2 Material. All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

Item	Section
Elastomeric Bearing Pads	1038

716.20.3 Construction Requirements. All sole plates shall be furnished with the bearings as a complete unit and directly welded to the girder or stringer as shown on the plans. The neoprene pads shall be bonded to the bearing seat with an epoxy adhesive in accordance with the bearing manufacturer's recommendations for bonding neoprene to concrete to prevent sliding.

716.20.4 Method of Measurement. Measurement will be made per each. The laminated neoprene bearing pad assembly, complete in place, shall include the steel sole plate, laminated neoprene bearing pad, anchor bolts, heavy hexagon nuts, coating and any incidental material needed to complete the work.

716.20.5 Basis of Payment. The accepted quantity of laminated neoprene bearing pad assemblies will be paid for at the contract unit price.

SECTION 716.30 TYPE “N” POLYTETRAFLUOROETHYLENE (PTFE) BEARINGS.

716.30.1 Description. This work shall consist of furnishing and installing complete factory produced Type “N” PTFE bearings as shown on the plans or as directed by the engineer.

716.30.2 Material. All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

Item	Section
Type “N” PTFE Bearings	1038

716.30.3 Construction Requirements. All sole plates shall be furnished with the bearings as a complete unit and directly welded to the girder or stringer as shown on the plans. At the time of installation, the stainless steel sliding face of the upper element and the PTFE sliding face of the lower element shall have the surface finish specified and shall be free of all dust, dirt, moisture or any other foreign matter. The neoprene pads shall be bonded to the bearing seat with an epoxy adhesive in accordance with the bearing manufacturer’s recommendations for bonding neoprene to concrete to prevent sliding. The top and bottom plates shall be properly aligned before gluing pads.

716.30.4 Method of Measurement. Measurement will be made per each. The type “N” PTFE bearing, complete in place, shall include the steel sole plate, stainless steel plates, PTFE face on the stainless steel plates, laminated neoprene bearing pad, anchor bolts, heavy hexagon nuts, coating and any incidental material needed to complete the work.

716.30.5 Basis of Payment. The accepted quantity of type “N” PTFE bearings will be paid for at the contract unit price.