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The invention relates to the construction field, namely to three-dimensional bar structures and may be used for creation both unstressed and prestressed structures, made of the different material bars. The nodal joint of the three-dimensional frame includes the three-dimensional shaped member to which are attached the horizontal and inclined bars. Each pair of horizontal disposed bars is manufactured in the form of both unstressed and prestressed flexible filaments. The three-dimensional shaped member may be manufactured of two parts, and the horizontal and inclined bars may be jointed to them with the bolts, welding, glue or prestressing.

The proposed nodal joint allows to decrease considerably the labour-consumption at the manufacturing and mounting of the three-dimensional frame, diminish the mass thereof and increase the load-carrying capacity and rigidity, to create the traditional and prestressed structures, considerably increase the span of the overlapping space, connect the bars of the different materials.