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BK-System

Block Knoten (Block Node)

Structural System

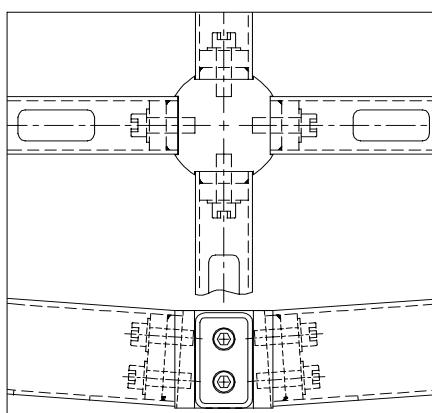
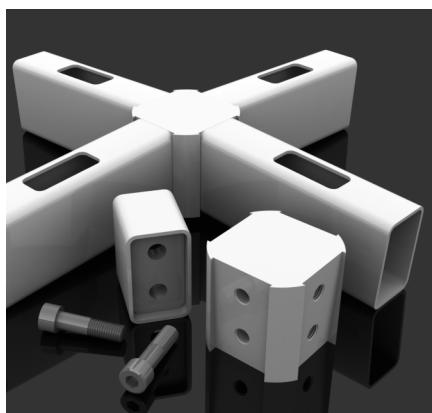
NOVUM



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System Components

01. Nodes are from C45 forged steel, plated and painted
02. Structural members are typically hollow rectangular sections A500 Gr B or equal
03. Hot dip galvanized and powder coated tubular members are standard
04. Concealed high strength steel fasteners with dacromet corrosion coating
05. Bolts are DIN 912 Grade 10.9

Applications

01. Single layer grid structures
02. Typically used for regular form non-planar geometries such as domes and vaults
03. Designed to achieve modest angular changes in surface planes
04. Used where flat cladding panels require support along their edges

System Attributes

01. Contemporary technology design aesthetic
02. Nodes are custom machined for tight tolerance and complete geometric flexibility using CNC equipment
03. Hidden fasteners
04. Semi rigid connections easily provide spans to 80' (25m) or more
05. Structural profiles are optimized using varied wall thicknesses
06. Grid sizes are determined by applied loading or cladding type
07. Requires no secondary steelwork as an interface between structure and cladding
08. Structures are designed by Novum's in-house engineers
09. Easily integrates with other Novum Systems (Kugel Knoten or Disc Clamp) to enable stiffer structures with increased spanning capability
10. Integrates fully with Novum Edge Clamped Glass, Linear Supported Glass or Point Supported Glass Systems

Options/Materials/Finishes

01. Standard member finish is hot dip galvanized inside and out after fabrication and then thermoset polyester powder coated
02. Finish options include liquid polyurethanes over hot dip galvanizing