Dwell
December 2011
QuaDror
House
TOP DROR

Industrial designer Dror Benshetrit’s new building system, QuaDror, can be applied to make just about anything from architecture to table bases.

“...or sequence foam, to glue, the plastic, to dress,” picking up a QuaDror model, he sets it up right on his desk, its go, and present. The connections points form a natural hinge, and the flat sandwich falls open to create a frustrating object that is triangular on all four sides.

“It’s very strong and stable,” Benshetrit says. “The triangulations are always opposites—you have a 4 on one side and a 6 on the other—so the support is constant in tension. It’s always parallel to the ground (the 15-degree angles are self-converting), so you can stack them, and in terms of compression load, it’s almost as sturdy as a block. And you can use this L-shaped pieces, which give you a little more, or thicker ones, so it looks like a solid object.”

Though Benshetrit came up with QuaDror by accident while trying to create two interlocking squares as a frame for a chandelier, he instantly recognized its potential. “We’ve been working on this for four years, coming up with more and more applications, to show the system’s ability to become a lot of different things,” An exciting prefab architecture use of the system is in its present.

“...which you connect using glue, bolts, or screws,” picking up a QuaDror model, he sets it up right on his desk, the go, and present. The connections points form a natural hinge, and the flat sandwich falls open to create a frustrating object that is triangular on all four sides.

“It’s very strong and stable,” Benshetrit says. “The triangulations are always opposites—you have a 4 on one side and a 6 on the other—so the support is constant in tension. It’s always parallel to the ground (the 15-degree angles are self-converting), so you can stack them, and in terms of compression load, it’s almost as sturdy as a block. And you can use this L-shaped pieces, which give you a little more, or thicker ones, so it looks like a solid object.”

Though Benshetrit came up with QuaDror by accident while trying to create two interlocking squares as a frame for a chandelier, he instantly recognized its potential. “We’ve been working on this for four years, coming up with more and more applications, to show the system’s ability to become a lot of different things.” An exciting prefab architecture use of the system is in its present.

“...which you connect using glue, bolts, or screws,” picking up a QuaDror model, he sets it up right on his desk, the go, and present. The connections points form a natural hinge, and the flat sandwich falls open to create a frustrating object that is triangular on all four sides.

“It’s very strong and stable,” Benshetrit says. “The triangulations are always opposites—you have a 4 on one side and a 6 on the other—so the support is constant in tension. It’s always parallel to the ground (the 15-degree angles are self-converting), so you can stack them, and in terms of compression load, it’s almost as sturdy as a block. And you can use this L-shaped pieces, which give you a little more, or thicker ones, so it looks like a solid object.”

Though Benshetrit came up with QuaDror by accident while trying to create two interlocking squares as a frame for a chandelier, he instantly recognized its potential. “We’ve been working on this for four years, coming up with more and more applications, to show the system’s ability to become a lot of different things.” An exciting prefab architecture use of the system is in its present.

“...which you connect using glue, bolts, or screws,” picking up a QuaDror model, he sets it up right on his desk, the go, and present. The connections points form a natural hinge, and the flat sandwich falls open to create a frustrating object that is triangular on all four sides.

“It’s very strong and stable,” Benshetrit says. “The triangulations are always opposites—you have a 4 on one side and a 6 on the other—so the support is constant in tension. It’s always parallel to the ground (the 15-degree angles are self-converting), so you can stack them, and in terms of compression load, it’s almost as sturdy as a block. And you can use this L-shaped pieces, which give you a little more, or thicker ones, so it looks like a solid object.”

Though Benshetrit came up with QuaDror by accident while trying to create two interlocking squares as a frame for a chandelier, he instantly recognized its potential. “We’ve been working on this for four years, coming up with more and more applications, to show the system’s ability to become a lot of different things.” An exciting prefab architecture use of the system is in its present.

“...which you connect using glue, bolts, or screws,” picking up a QuaDror model, he sets it up right on his desk, the go, and present. The connections points form a natural hinge, and the flat sandwich falls open to create a frustrating object that is triangular on all four sides.

“It’s very strong and stable,” Benshetrit says. “The triangulations are always opposites—you have a 4 on one side and a 6 on the other—so the support is constant in tension. It’s always parallel to the ground (the 15-degree angles are self-converting), so you can stack them, and in terms of compression load, it’s almost as sturdy as a block. And you can use this L-shaped pieces, which give you a little more, or thicker ones, so it looks like a solid object.”

Though Benshetrit came up with QuaDror by accident while trying to create two interlocking squares as a frame for a chandelier, he instantly recognized its potential. “We’ve been working on this for four years, coming up with more and more applications, to show the system’s ability to become a lot of different things.” An exciting prefab architecture use of the system is in its present.
Shine a Light

Benschott's table lamp, for the lighting and furniture company M.G. by Harmonesque, is a 2-by-8-cubic-foot plywood box that can be assembled using lightweight aluminum clamps. The lamp, which arrives flat and unassembled, requires little assembly. When lit, it is manufactured using a computer-generated design. "When you buy the lamp, you get a disc with the design," Benschott says. "If you assemble it, it works."