



Metal Top Beam Series

·Metal Hinged Top Beam

DJB MINE TOP BEAM

Made of high-quality steel, it realizes multi-beam connection through a unique hinged structure. With high strength and good toughness, it forms a stable support system by matching with single hydraulic props. Widely used in coal mine underground mining face and roadway support, it can effectively cope with roof pressure, prevent roof fall accidents and ensure operation safety and mining smoothness.



PRODUCT PARAMETERS

Specifications	Tensile Strength	Maximum Load per Single Beam	Minimum Load per Single Beam	Hardness	Minimum Load at Hinge Joint	Maximum Load at Hinge Joint	Failure Load at Hinge Joint	Repeated Load on Hinge Joint
DJB-*** (Length) / 300 (Load)	Any two hinged beams placed on the working platform can smoothly insert pins and adjusting wedges to achieve hinged connection. The hinged top beam rotates freely up and down along the pins without significant torsion, and the wedges and pins can be removed flexibly without jamming.	Length $\geq$ 1000mm: 400kN 700 $\leq$ Length < 1000mm: 560kN 600 $\leq$ Length < 700mm: 630kN	Length $\geq$ 1000mm: 300kN 700 $\leq$ Length < 1000mm: 420kN 600 $\leq$ Length < 700mm: 470kN	Beam body HB300-350 Angle wedge HB300-350 Pin HRC40-45	170kN	250kN	No brittle fracture upon failure under a load greater than 250kN	Load 187kN, repeated 35 times, the top beam should show no damage, and the welds should not crack.