Girder Coupler

Beam clamp for fixing a scaffold tube to the flange of a steel I-beam or girder.



Material	Q235 / 45# Carbon Steel
Surface Finish	Hot-dip galvanized 45–70 µm / Electro-zinc / Painted
Minimum Order	500 pcs
Packing	20 pcs per carton, on steel pallets
Delivery	15–25 days after deposit and sample approval

Product Overview

The girder coupler (beam clamp) grips the flange of an I-beam or steel girder and provides a scaffold tube connection point on it. It is the standard solution where a scaffold must be tied to or hung from structural steelwork — steel-frame buildings, bridges, plant and industrial sheds.

Core Features

Flange Gripping Jaw	A C-shaped forged jaw clamps the beam flange, giving a positive mechanical grip on the steelwork.
Tube Take-Off Head	The swivel head accepts a 48.3 mm scaffold tube so ledgers and ties can be attached immediately.
Adjustable for Flange Width	The bolted jaw accommodates a range of flange thicknesses and widths with one fitting.
Drop-Forged Strength	Heavy cast and forged body able to take the tie loads imposed by high winds.
Galvanized or Painted	Hot-dip galvanized as standard for outdoor structural use.

Standard Specifications

Process	Drop-forged and pressed sheet-steel versions both available
Product Type	Girder coupler / beam clamp with tube head
Manufacturing Process	Drop forged steel body
Material	Carbon steel, galvanized finish
Beam Flange Range	Suits flange thickness up to approx. 20 mm
Tube Connection	48.3 mm scaffold tube (swivel or fixed head)

Fastener	M12 / M16 bolt with hex nut
Surface Finish	Hot-dip galvanized 45–70 µm
Unit Weight	Approx. 1.60 kg

Recommended Applications

Steel-Frame Buildings	Tying facade scaffolding back to steel columns and beams.
Bridges & Viaducts	Hanging access scaffolds from bridge girders during inspection and painting.
Industrial Plant	Maintenance access structures clamped to pipe racks and structural steel.

Request a quotation — email **visitor@merforge.com** or WhatsApp **+8615920592749**. We reply within 24 hours. Dimensions follow EN 74 / BS 1139 series; custom sizes produced to drawing.