Sleeve Coupler

Joint coupler for connecting two scaffold tubes end to end with a bolted sleeve.



Material	Q235 / 45# Carbon Steel
Surface Finish	Hot-dip galvanized 45–70 µm / Electro-zinc / Painted
Minimum Order	500 pcs
Packing	25 pcs per carton, or 50 pcs per woven bag, on steel pallets
Delivery	15–25 days after deposit and sample approval

Product Overview

Also called an end-to-end or joint coupler, the sleeve coupler wraps an open U-shaped channel around the butt joint of two tubes and clamps it with two bolts. It carries compression between stacked standards in vertical extension, and is the standard way to lengthen ledgers without cutting tube.

Core Features

End-to-End Joint	The channel bridges the butt joint of two tubes, transmitting compression directly along the axis.
Two-Bolt Clamping	Two M12 bolts pull the sleeve tight around both tubes for a rigid, non-slip joint.
Pressed or Forged	Pressed steel suits high-volume fleet orders; forged bodies are available for heavier duty.
No Tube Cutting	Extend standards and ledgers with standard tube lengths instead of special cut pieces.
Galvanized or Painted	Hot-dip galvanized for permanent sites, painted where colour coding is used.

Standard Specifications

Process	Drop-forged and pressed sheet-steel versions both available
Product Type	Sleeve coupler / joint coupler (end to end)
Manufacturing Process	Pressed steel (standard) / drop forged (heavy duty)
Material	Q235 carbon steel, 3–4 mm section
Compatible Tube	48.3 × 3.2 mm scaffold tube
Fastener	2 × M12 bolts with hex nuts

Surface Finish	Hot-dip galvanized 45–70 µm / electro-galvanized / painted
Unit Weight	Approx. 0.95 kg (pressed), 1.20 kg (forged)
Standard Reference	EN 74-1 Class B / BS 1139-2.2

Recommended Applications

Extending Standards	Joining two standards end to end where extra height is required.
Longer Ledgers	Lengthening horizontal ledgers and transoms on long elevations.
Spars & Puncheons	Building up load-bearing spars in independent and birdcage scaffolds.

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.