Joint Pin

Expansion joint pin for connecting two vertical standards end to end inside the tube.



Material	Q235 / 45# Carbon Steel
Surface Finish	Hot-dip galvanized 45–70 μm / Electro-zinc / Painted
Minimum Order	500 pcs
Packing	100 pcs per carton, or 200 pcs per woven bag, on steel pallets
Delivery	15–25 days after deposit and sample approval

Product Overview

The joint pin (expansion pin) is dropped into the top of a lower standard and expands inside the tube to lock the upper standard in line. It is the fastest way to extend vertical standards — no bolts to tighten — which is why rental fleets and erectors keep them in bulk.

Core Features

Expansion Wedge Grip	A slotted lower section opens inside the tube and locks the pin against the bore for a rattle-free vertical joint.
Collared Shoulder	The forged collar sits on the top of the lower standard and centres the upper tube automatically.
No Tools Required	Pins are fitted by hand, dramatically reducing erection time on tall scaffolds.
Machined from Solid Bar	Turned from solid carbon steel bar so there is no weld to fail in service.
Zinc Plated or Galvanized	Electro-zinc as standard, hot-dip galvanizing available for coastal or long-life sites.

Standard Specifications

Process	Drop-forged and pressed sheet-steel versions both available
Product Type	Expansion joint pin / connecting pin
Manufacturing Process	Machined from solid carbon steel bar, expansion slot cut
Material	45# carbon steel
Compatible Tube	Internal fit for 48.3 × 3.2 mm standard (also 42.4 mm on request)
Pin Diameter	Φ38 mm body, Φ48 mm collar

Surface Finish	Electro-zinc plated / hot-dip galvanized 45–70 µm
Unit Weight	Approx. 0.35 kg
Standard Reference	EN 74 / BS 1139 compatible

Recommended Applications

Extending Standards	Vertical extension of standards in tube-and-coupler scaffolds.
Mobile Towers	Rapid assembly of aluminium and steel mobile access towers.
Rental Fleet Stock	A consumable item restocked in bulk by scaffolding hire companies.

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.