

PRODUCT FAMILY DATASHEET

Stanchion And Handrail

Ball joint stanchion posts and handrail tube, the edge protection that goes around the grating.



What This Family Is For

A ball joint stanchion is a post with a drilled ball welded at handrail height: the rail passes through the ball, which lets a run follow a change in level or direction without a fabricated corner at every post. It is the standard edge protection on the platforms and walkways that grating decks. ShengJingYe produces the posts, the balls and the rail as one hot-dip galvanized system, so the handrail and the grating come from the same plant and arrive together.

Products In This Family

Product	Group	Summary
Ball Joint Stanchion With Handrail	Stanchion And Handrail	Hot-dip galvanized ball joint stanchion system: 48 x 3.25 mm post, 76 x 3 mm drilled ball and 42.3 x 3.25 mm handrail tube, with a 6 mm base plate.
Ball Joint Stanchion Post	Stanchion And Handrail	The stanchion post on its own: 48 x 3.25 mm tube with a 76 x 3 mm drilled ball and a 6 mm base plate, hot-dip galvanized, supplied without rail.

Published Specification

Property	Value
Product type	Ball joint stanchion with handrail
Round tube size	48 x 3.25 mm
Rail size	42.3 x 3.25 mm
Ball size	76 x 3 mm
Bottom plate thickness	6 mm
Surface treatment	Hot-dip galvanizing
Post height and centres	TBC, confirmed against your specification
Place of production	Yantai, Shandong Province, China
Brand	ShengJingYe
Minimum order quantity	Small batch accepted
Lead time	Confirmed in writing per order, not published

Figures are reproduced from the manufacturer's published specification and may be revised. Rows reading 'not published' are figures the source specification does not publish; they are confirmed in writing rather than estimated. Confirm the current revision with your quotation.

Why Buyers Choose This Range

- Round tube post at 48 x 3.25 mm with a 76 x 3 mm drilled ball
- Handrail tube at 42.3 x 3.25 mm passing through the ball joint
- Base plate thickness 6 mm, drilled to your steelwork pattern
- Hot-dip galvanized, the same finish as the grating it protects
- Supplied with the grating order so a platform arrives complete

Problems It Solves

- Handrail fabricated on site, post by post, at site labour rates
- Rail runs that do not line up where a walkway steps or turns
- Painted handrail that needs repainting after two winters outdoors
- Platform grating and its edge protection ordered from two suppliers and arriving apart
- Base plates drilled to the wrong pattern for the steelwork underneath

Who It Is For

- Steel fabricators decking and railing access platforms
- Process plant and utilities contractors
- Contractors working to a handrail specification on an industrial site
- Anyone already buying grating who needs the edge protection with it

Application Scenarios

- Edge protection on access platforms and mezzanines
- Walkway runs that change level or direction
- Stair handrail and landing guarding
- Tank top, roof plant and pipe rack access

Materials

- Carbon steel tube, plate and ball
- Zinc coating applied by hot-dip galvanizing

Manufacturing Process

1. Drawing and 3D model
2. Cutting and stamping
3. Pressure welding or press locking
4. Framing and fabrication
5. Surface treatment
6. Inspection and packing

Customisation Options

- Post height and post centres to your specification

- Base plate pattern, edge distance and slotted holes
- Mid-rail, toe plate and infill arrangements
- Painted finish over galvanizing where a colour is required

Certification Standards

Production follows TBC, the source specification publishes no certification marks. Certificates are sent per product on request.

Questions Buyers Ask

What are the standard sizes?

Post tube 48 x 3.25 mm, handrail tube 42.3 x 3.25 mm, ball 76 x 3 mm, base plate 6 mm thick. Heights and post centres are set by the specification the project works to.

Can I order posts without the rail?

Yes. The stanchion post is a separate item from the post-and-handrail assembly.

How are the posts fixed down?

Through the drilled base plate. Send the hole pattern and edge distance from your steelwork drawing and the plates are drilled to match.

Which standard do these meet?

The source specification does not publish a handrail standard, so this is marked TBC and confirmed in writing against the standard your project is assessed on.

Are they supplied galvanized?

Yes, hot-dip galvanized, which is the same treatment as the grating.

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