

Steel Grating Platform Ball Joint Railing

Steel grating platforms are essential in various industrial and commercial settings, providing durable solutions for walkways, staircases, bridges, and offshore walkways. To further enhance safety and functionality, we offer a range of ball joint railings that perfectly complement these platforms.

Key Features of Ball Joint Railings:

1. Material and Durability:

Made from high-quality carbon steel, aluminum, or stainless steel, our railings are treated with corrosionresistant coatings such as hot-dip galvanizing or painting to ensure long-lasting performance in harsh environments.

2.Installation and Flexibility:

The ball joint design allows for easy on-site installation and adjustments without the need for welding. This not only saves time but also reduces costs, making it a practical choice for various projects.

3.Aesthetic Appeal:

With a sleek, modern design, ball joint railings enhance the overall appearance of any platform. The smooth, rounded joints provide a visually appealing and ergonomic finish, suitable for both industrial and commercial applications.

4. Versatility:

Our railings are designed to meet diverse needs, including industrial platforms, staircases, bridges, and municipal projects. They are especially ideal for environments where corrosion resistance is crucial, such as water treatment plants and marine settings.

Conclusion

Ball joint railings are an excellent choice for enhancing the safety and functionality of steel grating platforms. Their durable construction, flexible installation, and aesthetic appeal make them a versatile solution for a wide range of applications. If you're looking to upgrade your platform safety, contact us today to learn more about our ball joint railing solutions.

Technical Parameter

Material

- Mild steel most commonly used material. Available in 3.2 mm (medium duty) and 4.0 mm (heavy duty) wall thickness.
- Aluminum better corrosion resistant performance make it be used in highly corrosive areas, such as water treatment plants, costal environments and offshore platforms & walkways.
- Stainless steel the best corrosion resistant performance for highly corrosive environments.

Standard Handrails

- 32 mm NB
- 42.4 mm OD
- 3.2 mm Gauge

Standard Kneerail

- 25 mm NB
- 33.7 mm OD
- 3.2 mm Gauge

Heavy Duty Handrails

- 32 mm NB
- 42.4 mm OD
- 4.0 mm Gauge

Heavy Duty Kneerail

- 25 mm NB
- 33.7 mm OD
- 4.0 mm Gauge

Aluminum Handrail

- 46 mm OD
- 39 mm ID

Aluminum Kneerail

- 38.1 mm OD
- 34.1 mm ID

Finish

- Black for mild steel, no coating
- Galvanized for mild steel, hot dipped galvanized
- Painted for mild steel, aluminum or stainless steel, wet or dry (powder) coated to your specific colors
- Mill finish for aluminum, no coating

Heights

- Single rail: according to design
- Double rails: 1017 mm (the most popular)
- Triple rails: 1200 mm

Column spacing

- •1000 mm
- •1200 mm
- •1500 mm
- •2000 mm
- · As customers request

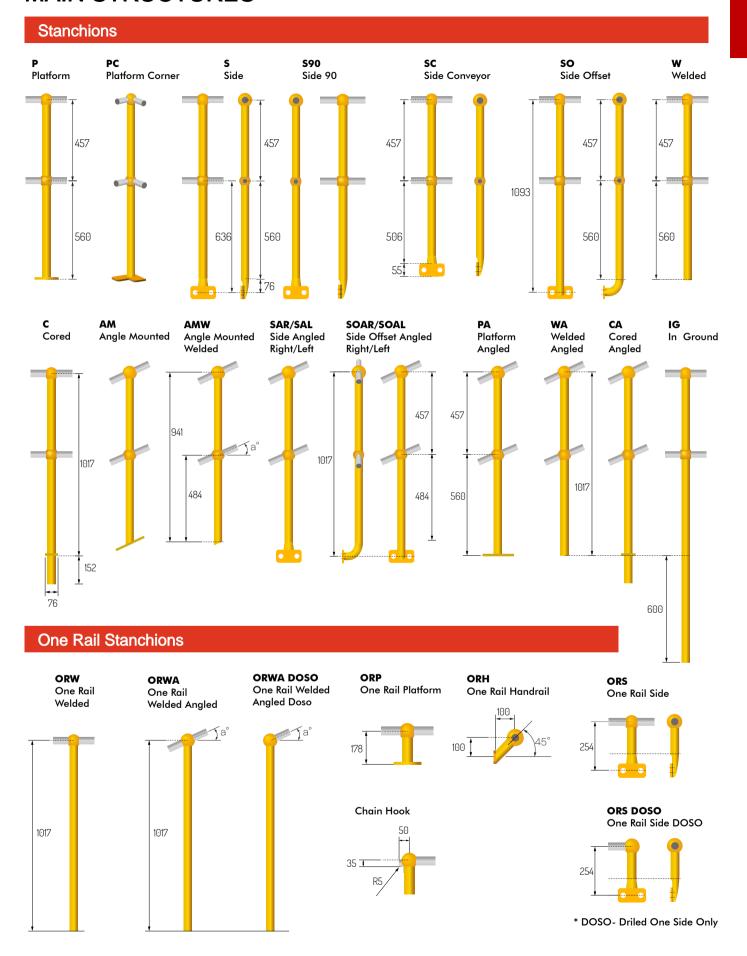
Quantity of horizontal poles

- One horizontal poles
- Two horizontal poles
- Three horizontal poles

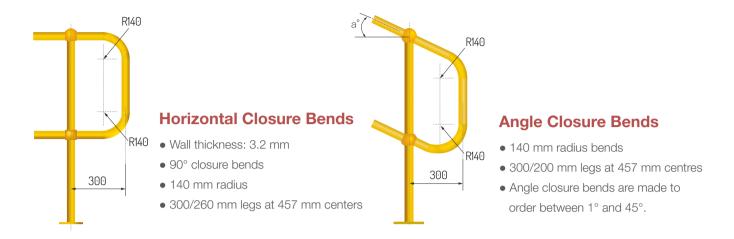
We can provide any style and size to meet your specific requirements. You may also supply details about your application environment or provide technical drawings, and our design team will deliver a tailored solution that fits your needs perfectly.

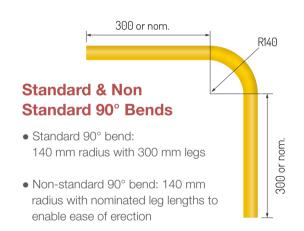
PRODUCT CODE

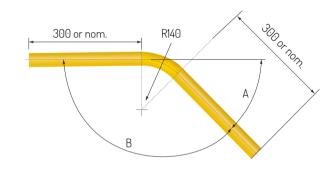
Item	Product Code	Description	
	Р	Platform	
	PA	Platform Angle	
	PC	Platform Corner	
	С	Cored	
	CA	Cored Angle	
	W	Welded	
	WA	Welded Angle	
	S	Side	
	S90	Side 90	
	SC	Side Conveyor	
	SO	Side Offset	
Ctanahiana	SAL	Side Angle Left	
Stanchions	SAR	Side Angle Right	
	SOAL	Side Offset Angle Left	
	SOAR	Side Offset Angle Right	
	IG	Inground	
	IGA	Inground Angle	
	AM	Angle Mounted	
	AMW	Angle Mounted Welded	
	ORP	One Rail Platform	
	ORS	One Rail Side	
	ORH	One Rail Handrail	
	DOSO	Left/Right Hand	
	ORS DOSO	One Rail Side Left/Right Hand	
	RB32	Rail Bend 32NB	
Develo	RB25	Rail Bend 25NB	
Bends	RB46	Rail Bend 460D	
	RB38	Rail Bend 380D	
	P32	Pipe 32NB	
j 	P25	Pipe 32NB	
Pipe	P46	Pipe 460D	
	P38	Pipe 380D	
Kick plate	K1006	Kick plate 100×6	
	HGATE	single gate no kick plate	
Gate	HGATEKP –	Single gate with kick plate	
	HGATED	Double gate (up to 3000 mm stanchion centre)	
	NW Swing	Northwest Swing	
	SW Swing	Southwest Swing	
Swing	NE Swing	Northeast Swing	
	SE Swing	Southeast Swing	



Bends







Standard & Non-Standard Bends

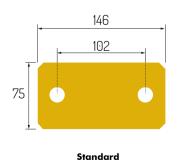
Special angles are made to suit customer's requirements. Always specify angles as shown, either A or B.

Base Plates

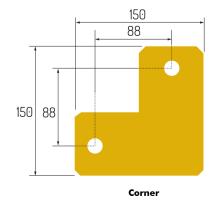
All base plates are 10 mm thickness.

Hole size is typical Ø17.5 mm

All base plates have pre-drilled drain holes



172 126 Angle Mounting Only



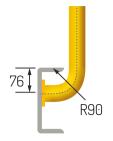
Offset

CHANNELS

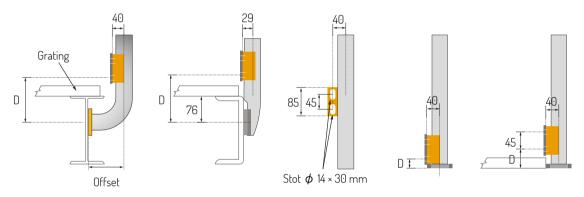
SIZE	OFFSET	
150 × 75	110 mm	
180 × 75	110 mm	
200 × 75	110 mm	
230 × 75	110 mm	
250 × 90	115 mm	
300 × 125	115 mm	
380 × 100	125 mm	

UNIVERSAL BEAMS

SIZE	OFFSET	
200 UB	110 mm	
250 UB	110 mm	
310 UB	110 mm	
360 UB	115 mm	
410 UB	125 mm	
460 UB	125 mm	
530 UB	135 mm	

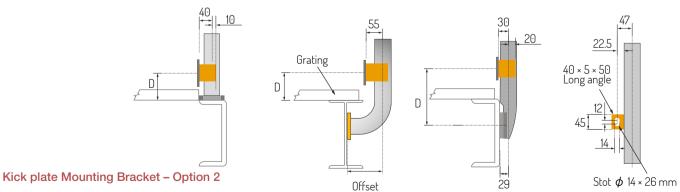


Kick Plate



Kick plate Mounting Bracket - Option 1 Dimension 'D' for various stanchion types

Grating Height (mm)	Nil	20/25/32	40/45/50	60/65
P, W, C	D=40	D=65	D=80	D=100
S & SO	D=115	D=140	D=160	D=175



Dimension 'D' for various stanchion types

Grating Height (mm)	Nil	20/25/32	40/45/50	60/65
P, W, C	D=60	D=85	D=100	D=120
S & SO	D=135	D=160	D=180	D=195

Multi Rail Applications

Standard stanchions are 2 balls, and multi ball stanchions are also available, just tell us your requirements, we will customize them for you. Please note that the minimum ball centers are 295 mm.



Balustrade

The 12 mm vertical bars at 100 mm centers are designed to prevent children from climbing or falling through the panel.

Fabricated to exact project specifications.



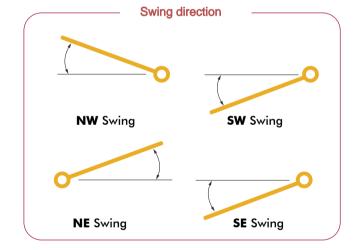
Self Closing Gates

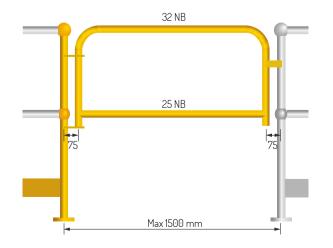
When ordering a self closing gate the following information is required:

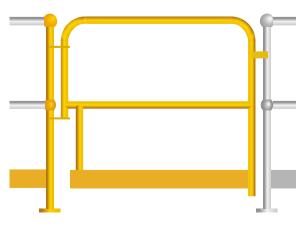
- Gate type
- Swing direction
- Stanchion type
- Stanchion centers
- Plan view of gate in-situ showing rail direction

Gate types

- HGATE single gate no kick plate
- HGATEKP single gate with kick plate
- HGATED double gate (up to 3000 mm stanchion centre)







Application of ball joint railing













Steel Grating Platform Handrail ShunBo Company



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