

**BEST
VALUE**



BALL-FENCE Hand Rail System

Features:

- Modular handrail system that includes stanchions in a range of configurations.
- Components are assembled on site or can be partially assembled in our factory and delivered to site in sections for simple fixing. (Charges apply).
- Design flexibility.
- Components are all hot dipped galvanised.
- Complies to Australian Standard AS 1657:2013.
- Suitable for indoor and outdoor use.
- Self closing gates available.

Material: Post – 48.3mm O.D. (40mm N.B.)
Handrail – 42.4mm O.D. (32 N.B.)
Kneerail – 33.7mm O.D. (25 N.B.)

Finish: Hot dipped galvanised.

Height: Ground handrail centre 1017mm.
Ground kneerail centre 560mm.

Spacing: Max post spacing 2 metres
centre to centre.



See also Ball-Fence Gates on page 20.



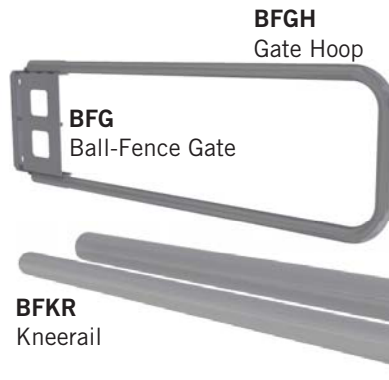
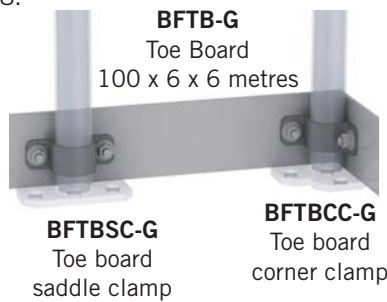
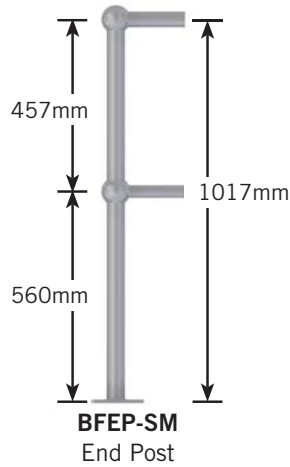
See also Ball-Fence with W-Beam on page 20.



See also Menni Asset Protection for Ball-Fence on page 21.



See also Double Rail U-Bars on page 21.



PART No.	DESCRIPTION
BFHR	Hand rail 32 N.B. x 6 metres
BFKR	Knee rail 25 N.B. x 6 metres
BFEP-SM	End post (Surface mount)
BFEP-BG	End post (Below ground)
BFTP-SM	Through post (Surface mount)
BFTP-BG	Through post (Below ground)
BFCP-SM	Corner post (Surface mount)
BFCP-BG	Corner post (Below ground)
BFG	Ball-Fence gate (complete with hoop) – Galvanised
BFG-P	Ball-Fence gate (complete with hoop) – Powder coated
BFGPWB-SM	Ball-Fence gate post – Galvanised
BFGP90SM-G	Ball-Fence freestanding gate post 90 x 1050mm – Galvanised

PART No.	DESCRIPTION
BFB32	Bend 90° x 32 N.B.
BFB25	Bend 90° x 25 N.B.
BFCB	Closure bend
BFGH	Additional 1.5 metre gate hoop
BFSJ32	Slip joint 32 N.B.
BFSJ25	Slip joint 25 N.B.
BFTP-AF	Through post adjustable foot
BFCP-AF	Corner post adjustable foot
BFTP	Taper pin
BFTB-G	Ball-Fence toe board 100 x 6 x 6 metres – Galvanised
BFTBSC-G	Toe board saddle clamp – Galvanised
BFTBCC-G	Toe board corner clamp – Galvanised



BALL-FENCE with W-Beam

Features:

- Designed to comply with AS 1657:2013 for walkways.
- Bolt Ball-Fence posts directly to W-Beam posts with supplied fixings.
- Up to 100mm of vertical adjustment.
- All components hot dipped galvanised.
- Compatible with other Ball-Fence components.

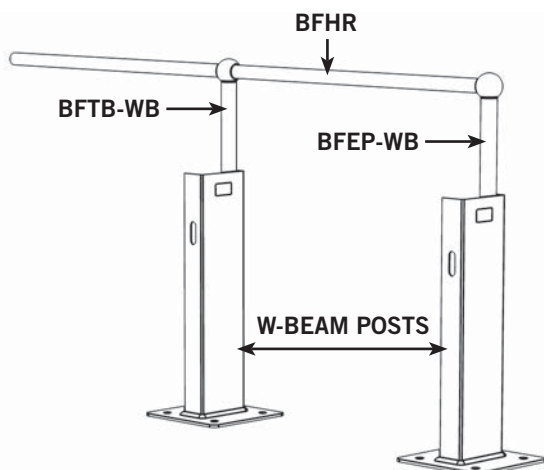
Material: Posts 48.3 O.D. (40 N.B.)
Hand Rail 42.4 O.D. (32 N.B.)

Finish: Hot dipped galvanised.

Height: Adjustment up to 45mm.

Installation: Bolt together with fixings (supplied).

Note: Ball-Fence posts should be mounted to pedestrian side of W-Beam posts.



Typical installation of Ball-Fence posts to W-Beam posts.

PART No.	DESCRIPTION
BFTB-WB	W-Beam/Ball-Fence through post – Galvanised
BFEP-WB	W-Beam/Ball-Fence end post – Galvanised
BFHR	Ball-Fence hand rail 32 N.B. x 6 metres – Galvanised



BALL-FENCE GATES

Ball-Fence Gates come complete with a standard galvanised tubular hoop (42.4mm diameter) to suit a maximum 1500mm opening for single gates or 3000mm for double gates. Hoops can be simply cut down to any length and fitted into the receiver tubes on the gate assembly.

Features:

- Gas strut self closure
- Fully adjustable hoop length.
- Built-in gate stop.
- Swing inward or outward.
- Suits openings up to 3 metres (double gates).
- Use as single or double gates.
- Can be retrofitted to existing sites.
- Both models hot dipped galvanised.
- Simple installation.

Material: Heavy steel construction.
Hoop – 42.4 O.D. (32mm N.B.) medium gauge tube.
(Optional gate posts, see below).

Weight: 18kgs – Complete assembly with 1.5 metre hoop.

Finish: Hot dipped galvanised or powder coated.

Height: Matches up to hand & knee rails on fence.

Opening: Single gates up to 1.5 metres.
Double gates up to 3 metres.

Installation: Bolts to existing square or round posts or any flat surfaces.

PART No.	DESCRIPTION
BFG	Ball-Fence gate (complete with hoop) – Galvanised
BFG-P	Ball-Fence gate (complete with hoop) – Powder coated
BFGP90SM-G	Ball-Fence gate post 90 x 1050mm – Galvanised
BFGPWB-SM	Ball-Fence gate post 48 x 1017mm – Galvanised
BFGH	Additional 1.5 metre gate hoop



More information on Menni 28

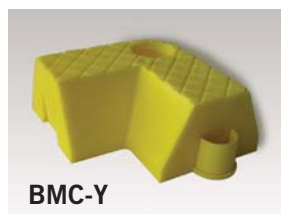
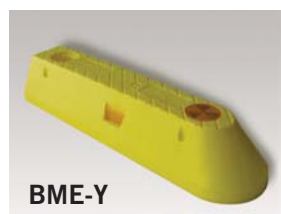
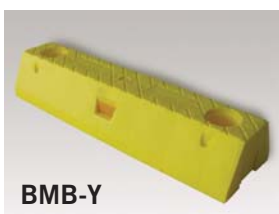
MENNI ASSET PROTECTION for Ball-Fence

Features:

- Protects Ball-Fence while preventing the intrusion of forklift tynes or pallets into pedestrian walkways.
- 'Plug & Play' asset protection.
- Solid colour, U.V. stabilised.
- Supplied with all fixings and connectors.
- Slip resistant feature moulded into top surface.
- Modular components allows modification or replacement at any time.

Ball-Fence specifications and part numbers on pages 18-19.

Material: Linear Low Density Polyethylene (LLDPE).
Finish: Solid colour – Hi-Vis Safety Yellow.
Fixings: Two per module (supplied).
Connectors/ plugs: Three per module (supplied).



PART No.	DESCRIPTION
BME-Y	Menni end module – Yellow
BMB-Y	Menni body module – Yellow
BMT-Y	Menni T-intersection module – Yellow
BMC-Y	Menni 90 degree corner module – Yellow
BMR	Optional top reflector plugs



U-BARS Double Rail

Features:

- Available in three sizes in either below ground or surface mount.
- Heavy 3mm wall, 48.3mm diameter pipe.
- Fully welded one-piece construction.
- All models are galvanised and powder coated or galvanised only.
- Ready for installation, no assembly required.

Material: Steel pipe 48.3mm diameter, 3mm wall.
Finish: Galvanised and powder coated or galvanised only.
Height: Above ground 1040mm.
 Below ground 300mm.
Width: UBD100 models 1000mm.
 UBD150 models 1500mm.
 UBD200 models 2000mm.
Weight: UBD100 models 16kgs (approx.)
 UBD150 models 19.5kgs (approx.)
 UBD200 models 23.5kgs (approx.)
Installation: Surface mount models base plate 150 x 75 x 10mm.
 Below ground models come with welded concrete starter bars.
Fixings: Supplied with surface mount models.

PART No.	DESCRIPTION
UBD100SM	U-Bar double rail 1 metre surface mount – Powder coated
UBD100SM-G	U-Bar double rail 1 metre surface mount – Galvanised
UBD100BG	U-Bar double rail 1 metre below ground – Powder coated
UBD100BG-G	U-Bar double rail 1 metre below ground – Galvanised
UBD150SM	U-Bar double rail 1.5 metre surface mount – Powder coated
UBD150SM-G	U-Bar double rail 1.5 metre surface mount – Galvanised
UBD150BG	U-Bar double rail 1.5 metre below ground – Powder coated
UBD150BG-G	U-Bar double rail 1.5 metre below ground – Galvanised
UBD200SM	U-Bar double rail 2 metre surface mount – Powder coated
UBD200SM-G	U-Bar double rail 2 metre surface mount – Galvanised
UBD200BG	U-Bar double rail 2 metre below ground – Powder coated
UBD200BG-G	U-Bar double rail 2 metre below ground – Galvanised