

Toe Plate

Length 5m
Colour yellow
Product code MHTP
Weight 1.3 kg/m



The bottom edge of the toe plate rests on the edge of the stanchion base foot. This gives the required gap for water drainage and complies with the requirements of BSEN14122-3 where the gap between the edge of the toe plate and the floor should be no more than 10mm.
The toe plate is bolted to the stanchion post base foot and to the stanchion post.

3 way connection (Tee)

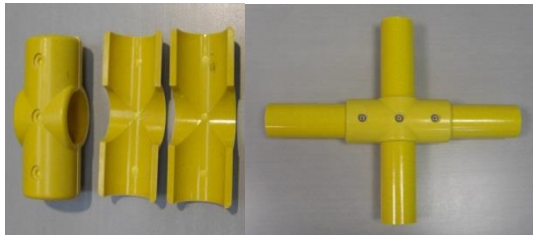
Colour yellow and grey
Product code MH3W
Weight 0.22 kg



Used to make a 90deg connection (Tee) of the handrail tube to the stanchion post.
Can also be used to join the stanchion post at the end of a run to the knee rail tube.
Two bolts are required for this fitting
It is not recommended to use this fitting to join lengths of handrail tube – use the tubular spigot joint.

4 way connection (Cross)

Colour yellow and grey
Product code MH4W
Weight 0.29 kg



Used to make a 90deg connection (Cross) of the knee rail tube to the stanchion post.
The stanchion post must be a continuous length from base to handrail. Knee rail tubes cut to length to fit between successive stanchion posts
Three bolts are required for this fitting

90 deg elbow

Colour yellow and grey
Product code MH90E
Weight 0.36 kg



Used to make a 90deg end to a handrail run joining the handrail to the stanchion post.
Also used to make a 90deg turn to a run of handrail
Two bolts are required for this fitting

Right angle bend

Colour yellow
Product code MHRABY
Weight 0.41 kg



Used to make a sharp 90deg end to a handrail run joining the handrail to the stanchion post.
Also used to make a sharp 90deg turn to a run of handrail
Two bolts are required for this fitting
This fitting is also used as the top half of the 3 way corner fitting

Universal Joint

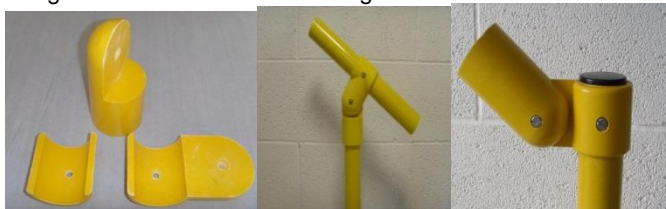
Colour yellow and grey
Product code MHUJ
Weight 0.49 kg



Used to allow a change in angle of handrail and knee rail in any plain and any angle.
The universal joint fits over the tube. The tube can be adhesive bonded in place or bolted
A bolt is required for the swivel connection.

Universal 3 Way

Colour yellow
Product code MH3WUY
Weight 0.56 kg



A very versatile fitting that is used as a variable angle connection between handrail and stanchion post for ramps and stairs at the full range of slopes. It is an alternative to the 3 way Tee when an angle other than 90deg is needed. It can also provide a variable angle for the handrail and knee rail to a termination post to a run of handrail.
The fitting is 3 parts. A universal sleeve connector and matching universal connector plus the universal connector that fits over the tube – this is half of a universal joint.
Two bolts are required to join the sleeve and universal joint connector. The universal connector can either be adhesive bonded to the tube or bolted.

Universal 4 Way

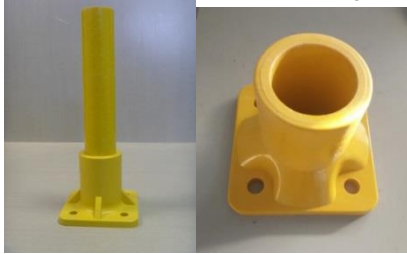
Colour yellow
Product code MH4WUY
Weight 0.98 kg



A very versatile fitting that is used as a variable angle connection between knee rail and stanchion post for ramps and stairs at the full range of slopes. It can also be use with the handrail where a change in angle is required eg stair to landing.
The fitting is 4 parts. A pair of universal connectors plus the universal joint pair.
A bolt is required to join universal joint connector to the tube. The universal connector can either be adhesive bonded to the tubes or bolted.

Base Foot

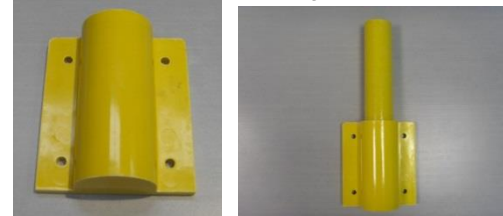
Colour yellow and grey
Product code MHBF
Weight 0.51 kg



Used as the structural base foot for stanchion posts.
Maximum recommended stanchion post spacing is 1.25m
The stanchion post fits into the base foot and should be secured using an M10 bolt with penny washer and a penny washer & nut. There are no pre-moulded indents to show where the holes are to be drilled so they can be drilled at any convenient position using an 10mm HSS drill bit.
The holes to connect the base foot to the floor are 13mm dia to take M12 bolts. The type of bolt to be used depends on the substrate to which it is to be fixed.
Please note if fixing on an uneven ground a rubber pad or rubber washer will need to be used to prevent the foot from deformation and cracking.

Side fit base

Colour yellow and grey
Product code MHSF
Weight 0.465 kg



Used as a structural base for the stanchion post when fitted to side of stairs, ramp or walkway.
The base of the fitting is closed so the tube does not pass through.
The side fit base is a pinch fit to the tube so that when clamped tight to the side it holds the tube in place. Care is needed not to over tighten the bolts which could cause the fitting to crack. Spacer washers should be used to prevent the deformation of the fitting.
The holes in the side fit base are 10mm dia. The type of bolt to be used depends on the substrate to which it is to be fixed.

3 way corner

Colour
Product code
Weight

yellow and grey
MHCORNER3W
0.55 kg



Used to make a 3 way 90deg joint between handrail and stanchion post
Three bolts are required for this fitting
The fitting is in two parts. The upper part is also used for the right angle bend (code MHRABY) and the lower part is also used in the 4 way corner joint (code MHCORNER4W)

4 way corner

Colour
Product code
Weight

yellow and grey
MHCORNER4W
0.66 kg



Used to make a 4 way 90deg joint between handrail and stanchion post. The stanchion post must be a continuous length from base to handrail. Knee rail tubes cut to length to fit between adjacent stanchion posts.

Four bolts are required for this fitting
The fitting is in two parts either of which is also used for the lower part of the 3 way corner (code MHCORNER3W)

Triangle base foot

Colour yellow
Product code MHABS
Weight 0.45 kg



Used a wall fixing plate either to terminate a run of handrail to a wall or to provide (together with a 3 way Tee connection) a run of handrail along a wall.
It can also be used as the base foot for stairs – it allows the foot to be fitted closer to the edge of the stair tread than is possible with the standard base foot.

3 way 60 deg stair

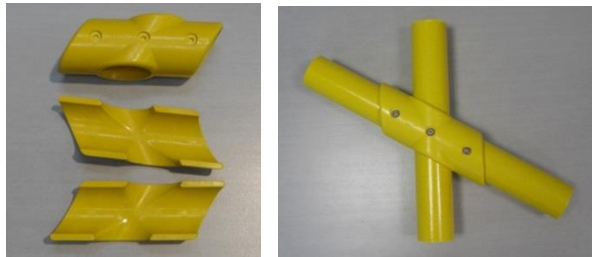
Colour yellow
Product code MHA3E
Weight 0.24 kg



Used to make a connection (Tee) of the handrail tube to the stanchion post at 30 deg – standard angle (slope) for stairs.
Can also be used to join the stanchion post at the end of stairs to the knee rail tube.
Two bolts are required for this fitting
It is not recommended to use this fitting to join lengths of handrail tube – use the tubular spigot joint.

4 way 60 deg stair

Colour yellow
Product code MHA4E
Weight 0.32 kg



Used to make a Cross connection of the knee rail tube to the stanchion post at 30 deg – standard angle (slope) for stairs.
The stanchion post must be a continuous length from base to handrail. Knee rail tubes cut to length to fit between successive stanchion posts
Three bolts are required for this fitting

120 deg elbow

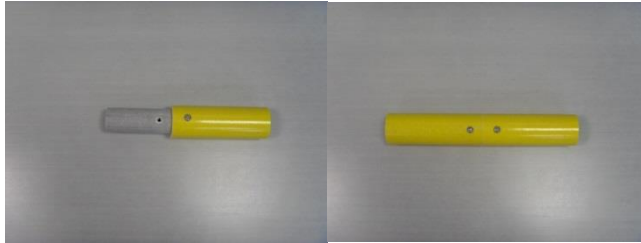
Colour yellow
Product code MHA120E
Weight 0.32 kg



Used to make an end to a stairs handrail joining the handrail to the stanchion post at 30 deg – standard angle (slope) for stairs.
Two bolts are required for this fitting

Tubular spigot joint

Colour yellow and grey
Product code MHSPIGOT
Weight 0.19 kg



A 300mm length of tube 38mm od to form a joint between lengths of handrail tube. The joint between the tubes is secured with 2 No bolts. Note that the bolts required for this fitting at 45mm long (standard bolt set is 60mm long)

Stainless steel bolt set

Product code MHBOLT
Weight 2kg/100



The bolt set utilises an M6 x60 stainless steel bolt with a button head together with a recessed nut.

The bolt set fits all the moulded fittings.

The side of the fitting taking the bolt is drilled to take the M6 bolts and the bolt head fits within the pre-moulded recess in the fitting.

The side of the fitting taking the nut requires a 10mm dia hole passing through both the fitting and the tube so that the recessed nut fits within the pre-moulded recess in the fitting. In this way both the bolt head and the nut recess into the fitting so there are no exposed edges to catch the hand of the user and nothing to snag on clothing.

Long 3 Way connection

Colour Yellow
Product Code MHL3WY
Weight 0.30kg



Used to make a 90deg connection (tee) of the handrail tube to the stanchion post. Can also be used to join the stanchion post at the end of a run to the knee rail tube.

This fitting can be used to join lengths of handrail tube instead of using a tubular spigot joint.
Three bolts are required for this fitting.