

**aalco**®

ARCHITECTURAL  
HANDRAIL  
SYSTEMS

[www.aalco-handrail.com](http://www.aalco-handrail.com)

AALCO COMPONENTS

# NEWEL POSTS



## NEWEL POSTS

We offer a wide range of pre-assembled newel posts that make installation easier and therefore more cost effective. In addition to the standard products, also available are customised newel posts in various sizes and to customer specifications. The range includes various finishes and can be powder coated to any colour in the RAL chart, offering not only aesthetic benefits but improved performance in external applications.



RUBBER Mallet TO BE USED



PRODUCT TO BE GLUED WITH E4054



ASSEMBLY WITH ALLEN KEY



PRODUCT TO BE WELDED

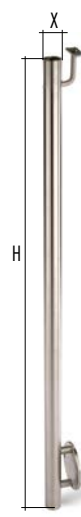


CAN BE POWDER COATED UPON REQUEST





AISI304	AISI316	IRON	X	H
Satin Finish / Galvanised Iron				
E004501	-	I00451	33.7 x 2.0mm	1200mm
E00450	E00450316	I00450	42.4 x 2.0mm	1200mm
E00451	E00451316	-	50.8 x 2.0mm	1200mm
Mirror Polished				
X00450	-	-	42.4 x 2.0mm	1200mm





AISI304	AISI316	IRON	X	H
Satin Finish / Galvanised Iron				
E0045	E0045316	-	42.4 x 2.0mm	1200mm

Complete with wall mounting plate and extendable pivot handrail support



Complete with wall flange

Art. E113

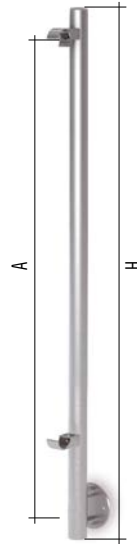
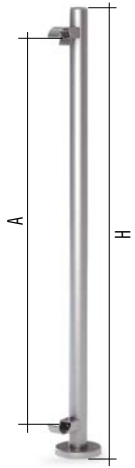
AISI316	X	H
Satin Finish		
E033610014	42.4 x 2.0mm	1000mm
E033610015	42.4 x 2.6mm	1000mm
E033610016	48.3 x 2.0mm	1000mm
E033610017	48.3 x 2.6mm	1000mm



A WIDE RANGE OF HANDRAIL SUPPORTS TO MATCH OUR POSTS WITH WHICH YOU CAN ATTAIN THE REQUIRED HEIGHT FOR THE RAILINGS DEMANDED BY BSI: BS 6180:2011



# NEWEL POSTS - ROUND



AISI304	AISI316	Ø NEWEL POST	A	H
Satin Finish				
EM2420100	EM4420100	42.4 x 2.0mm	900mm	1000mm
Mirror Polished				
XM2420100	XM4420100	42.4 x 2.0mm	900mm	1000mm

AISI304	AISI316	Ø NEWEL POST	A	H
Satin Finish				
EL2420100	EL4420100	42.4 x 2.0mm	1100mm	1200mm
Polished				
XL2420100	XL4420100	42.4 x 2.0mm	1100 mm	1200mm



Complete with 2 Easy Hold 2.0 supports, mounting plate and floor mounting plate

Art. E0696/D  
Art. I0696/D

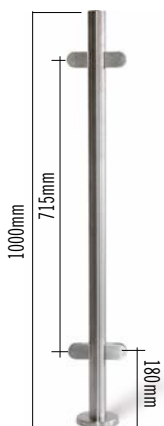


Complete with 2 Easy Hold 2.0 supports, mounting plate and floor mounting plate

Art. E113

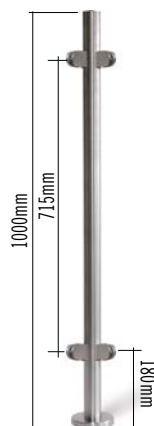
MORE ACCESSORIES CAN BE FOUND IN THE ANCHORAGE FITTINGS BROCHURE





AISI304	AISI316	Ø NEWEL POST
Satin Finish		
EC24204P	EC44204P	42.4 x 2.0mm
Mirror Polished		
-	XC44204P	42.4 x 2.0mm
-	XC44304P	43.0 x 1.5mm

Complete with 4 glass clamps, mounting plate and flange canopy



AISI304	AISI316	Ø NEWEL POST
Satin Finish		
-	EC43304P90	33.7 x 2.0mm
EC24204P90	EC44204P90	42.4 x 2.0mm
Mirror Polished		
-	XC44204P90	42.4 x 2.0mm
-	XC44304P90	43.0 x 1.5mm

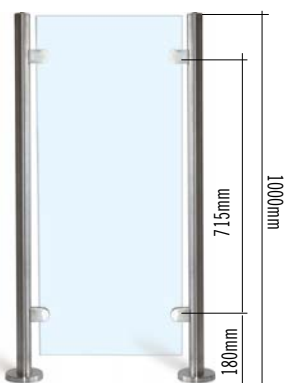
Complete with 4 90° glass clamps, mounting plate and flange canopy



THESE POSTS MOUNT 40 x 50mm CLAMPS WITH RUBBERS FOR GLASS 8.76 - 10.76mm

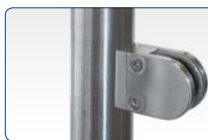


THESE POSTS MOUNT 40 x 50mm CLAMPS WITH RUBBERS FOR GLASS 8.76 - 10.76mm



AISI304	AISI316	Ø NEWEL POST
Satin Finish		
EC23302P	-	33.7 x 2.0mm
EC24202P	EC44202P	42.4 x 2.0mm
Mirror Polished		
-	XC44202P	42.4 x 2.0mm
-	XC44302P	43.0 x 1.5mm

Complete with 2 glass clamps, mounting plate and flange canopy



THESE POSTS MOUNT 40 x 50mm CLAMPS WITH RUBBERS FOR GLASS 8.76 - 10.76mm



A WIDE RANGE OF HANDRAIL SUPPORTS TO MATCH OUR POSTS WITH WHICH YOU CAN ATTAIN THE REQUIRED HEIGHT FOR THE RAILINGS DEMANDED BY BSI: BS 6180:2011



E030/S



E031/S1



E038700



E038500



E500/424



E510/424



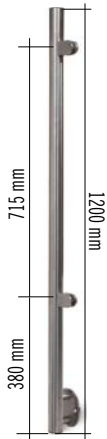
E0104



E0102

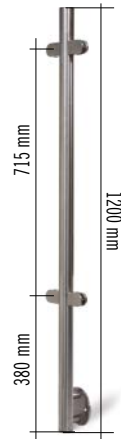


# NEWEL POSTS - ROUND



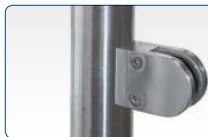
	AISI304	AISI316	Ø NEWEL POST
	Satin Finish		
Right	-	ED43302PDX	33.7 x 2.0mm
	ED24202PDX	ED44202PDX	42.4 x 2.0mm
Left	-	ED43302PSX	33.7 x 2.0mm
	ED24202PSX	ED44202PSX	42.4 x 2.0mm

Complete with 2 glass clamps, mounting plate and wall mounting plate



	AISI304	AISI316	Ø NEWEL POST
	Satin Finish		
-	ED43304P		33.7 x 2.0mm
ED24204P	ED44204P		42.4 x 2.0mm

Complete with 4 glass clamps, mounting plate and wall mounting plate



THESE POSTS MOUNT 40 x 50mm CLAMPS WITH RUBBERS FOR GLASS 8.76 - 10.76mm



THESE POSTS MOUNT 40 x 50mm CLAMPS WITH RUBBERS FOR GLASS 8.76 - 10.76mm





## Custom made newel posts - various colours

On request, Aalco can supply custom-made newel posts in a range of colours from the RAL colour chart.

All stainless steel newel posts can be powder coated. Powder coating is a covering procedure for metallic surfaces, achieved with an organic film; it is carried out for decorative purposes and protection against corrosion and strong agents. If stainless steel items are placed outside, it is recommended to have them galvanised before painting. All colours from the RAL colour chart are possible and, **in addition to our team of expert varnishers, we can also provide some special finishes.**





# NEWEL POSTS - SQUARE



AISI304	AISI316	DIMENSION	H
Satin Finish			
E0032	E0032316	□ 40mm	1000mm
E0030	E0030316	□ 40mm	1200mm

Complete with welded flange



Art. E02050

100 x 100mm

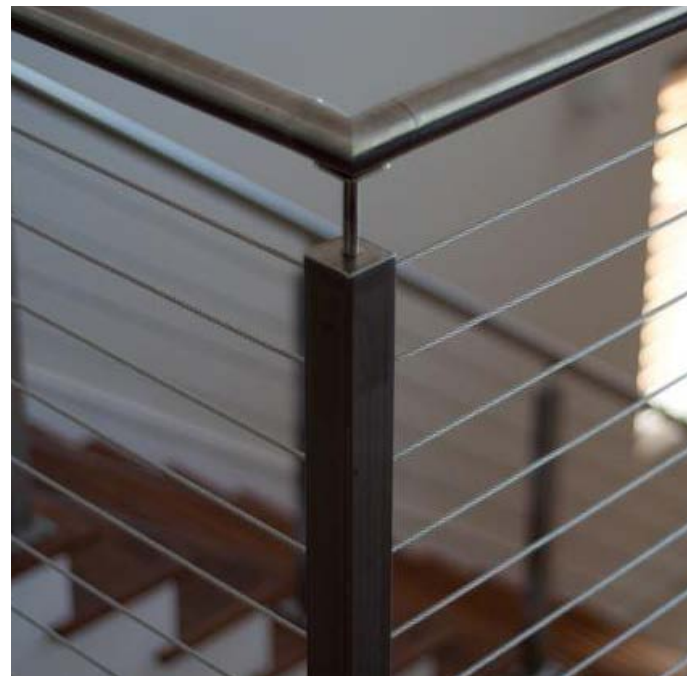
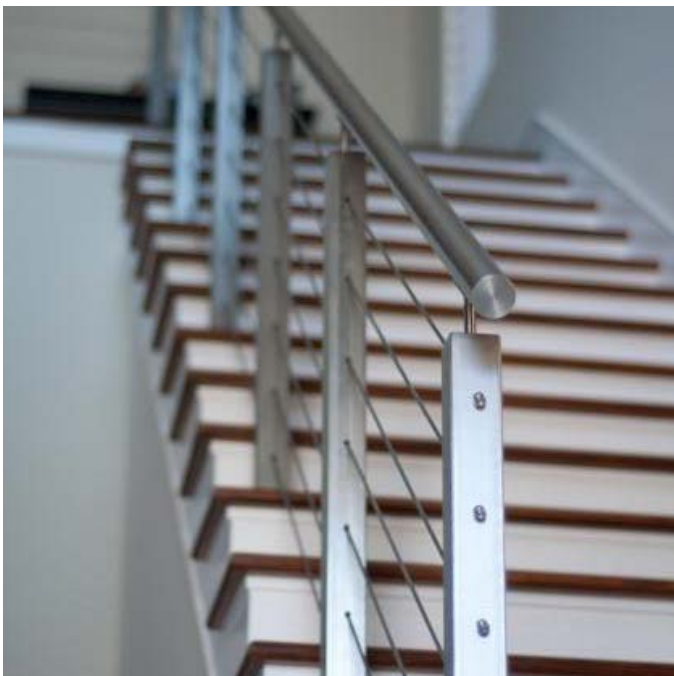


AISI304	AISI316	DIMENSION	H
Satin Finish			
E00350	E00350316	□ 40mm	1200mm

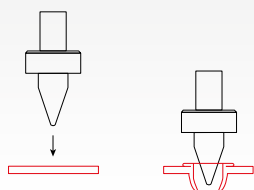
Complete with wall flange



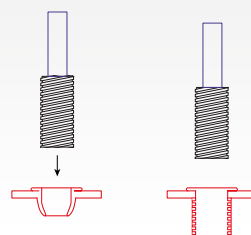
Art. E40120/304



**FOR A STRONGER GRIP OF THE FITTINGS ON OUR POSTS WE USE THE FORMDRILL TECHNOLOGY**



Deformation of the tube



The deformed part is then treated

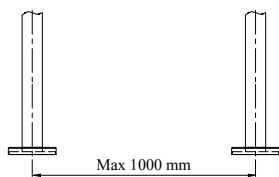




# NEWEL POSTS - RAILING INSTALLATION

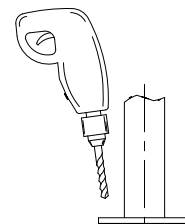
1

In order for the railing to be certified, it is absolutely necessary that the maximum distance between the posts does not exceed 1000mm (range 50mm)



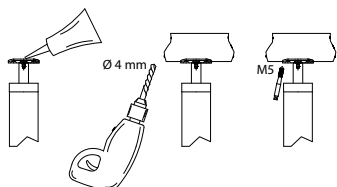
2

Drill a hole in the floor according to the holes in the flange. Use M8 screws with the most suitable screw anchor for the surface and the type of material on which the railings will be installed. Use the torque wrench settings recommended by the manufacturer of the screw anchors



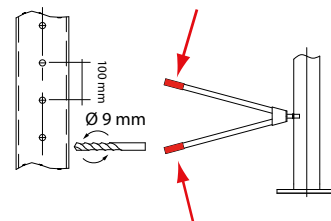
3

Spread glue on the surface of the saddle with a two-component polymer. Lay the handrail on the handrail supports. Drill 4mm diameter holes in the handrail supports. Thread them M5 and fix the tube to the saddle with M5 x 10mm screws



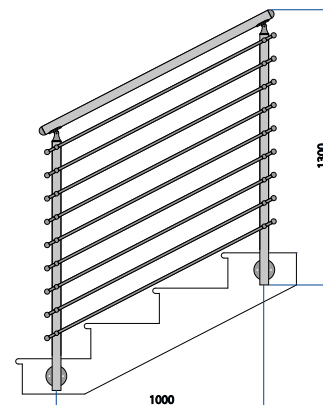
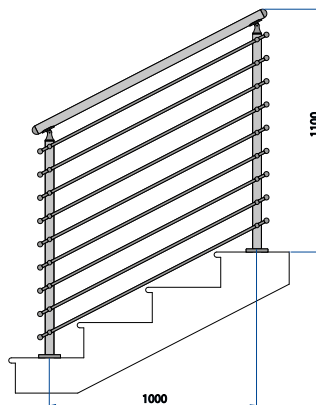
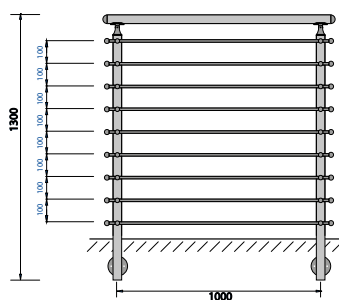
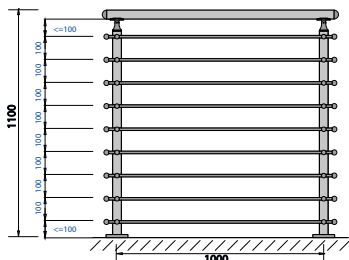
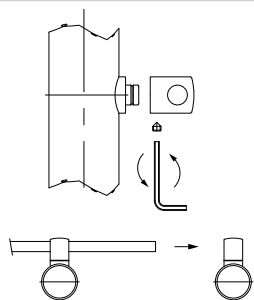
4

Drill the tube with 9 holes, each of 9mm diameter (for inside thread M6) at an equal distance apart. The gap between the holes must not exceed 100mm. Use a rivet with its proper fixing tool



5

Fix the round bar holders at the chosen threaded holes with M6 x 25mm screws. Once the correct position for the round bar holders is found, you can proceed with the tightening of the dowels with an allen key as shown in the drawing



## WARNING

Please retain this brochure, particularly the installation manual. Read the instruction manual carefully before assembling and installing the component parts. Always follow the legislation appropriate to the country of installation and for special projects please check local and national building regulations. Fit all parts as indicated in the relevant installation manual. Do not fit or use any product if you have doubts concerning its fitting. Do not use or install the products if you are missing any component pieces. In such cases, please contact your local Service Centre.

## CHECKING AND MAINTENANCE

The fitting of any installation must be carried out by skilled workers, following instructions contained in the technical sheets supplied. Regular, periodical maintenance and checking are needed in order to gain and maintain the functionality and efficiency of any installation. Again, inspection and maintenance should only be carried out by competent and skilled workers.

We therefore suggest using only installers recommended by the manufacturer. Failure to do so will result in Aalco refusing all responsibility.

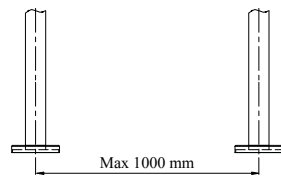
## CLEANING INSTRUCTIONS

The use of stainless steel metallic parts guarantees the resistance to different atmospheric conditions. Do not use acids, alkaline solutions, abrasives or corrosive agents to clean the railings.



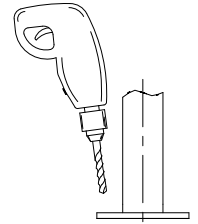
1

In order for the railing to be certified it is absolutely necessary that the maximum distance between the posts does not exceed 1000mm (range 50mm)



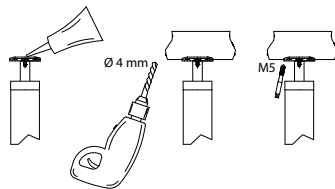
2

Drill a hole in the floor according to the holes in the flange. Use M8 screws with the most suitable screw anchor for the surface and the type of material on which the railings will be installed. Use the torque wrench settings recommended by the manufacturer of the screw anchors



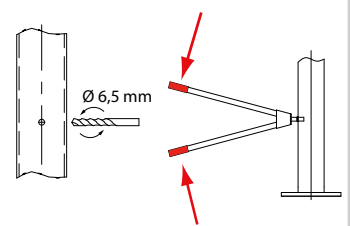
3

Spread glue on the surface of the saddle with a two-component polymer. Lay the handrail on the handrail supports. Drill 4mm diameter holes in the handrail supports. Thread them M5 and fix the tube to the saddle with M5 x 10mm screws



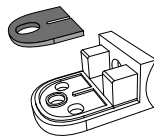
4

Drill the tube with holes of 11mm diameter (for inside thread M8) Use a rivet with its proper fixing tool.



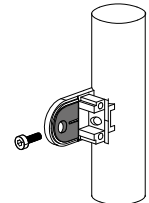
5

Insert rubbers of the required thickness into the glass clamp, in the slots



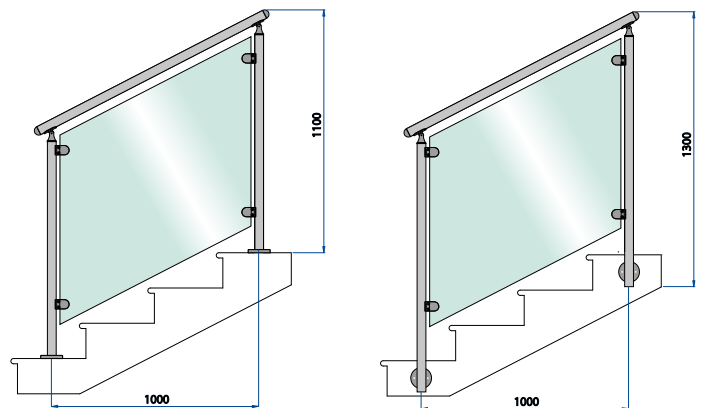
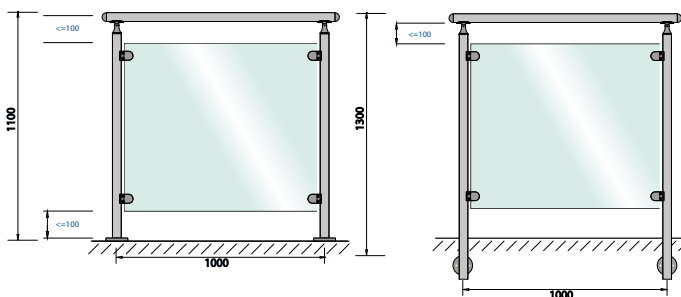
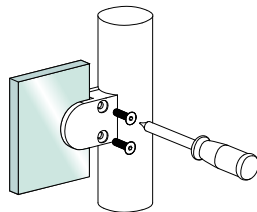
6

Fix the glass clamp support to the tube through an M8 screw (cylindrical head)



7

Fix the support to the clamp with an M6 screw



# CUSTOM NEWEL POSTS

STAINLESS STEEL	AISI304	AISI316
-----------------	---------	---------

SATIN FINISH	<input type="checkbox"/>	<input type="checkbox"/>
MIRROR POLISHED	<input type="checkbox"/>	<input type="checkbox"/>

IRON	
------	--

RAW, UNFINISHED	<input type="checkbox"/>
GALVANISED	<input type="checkbox"/>
GALVANISED AND PAINTED	<input type="checkbox"/>

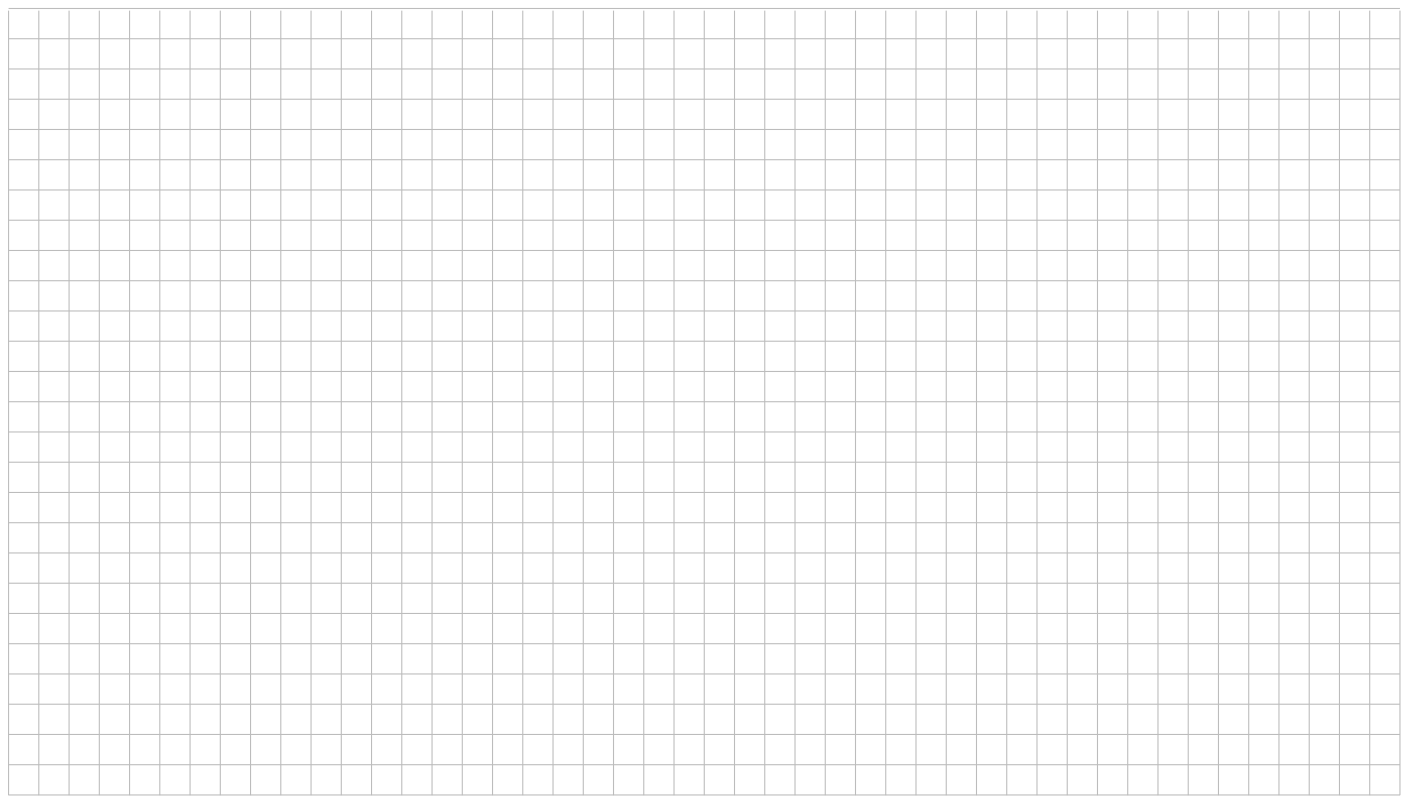
Colour \_\_\_\_\_

FOR A QUOTE, COMPLETE THIS FORM AND EMAIL TO YOUR LOCAL SERVICE CENTRE

QUOTE	<input type="checkbox"/>
ORDER	<input type="checkbox"/>

QUANTITY \_\_\_\_\_

## TECHNICAL DRAWING WITH QUOTE



NOTES:

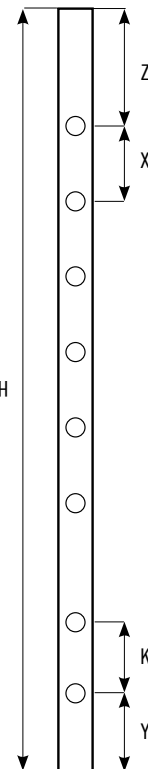
Name	Post Code
Company	Tel
Address	Fax
	Email



STAINLESS STEEL	AISI304	AISI316	DIMENSIONS	
SATIN FINISH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 33.7 x 2.0mm	<input type="checkbox"/>
MIRROR POLISHED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 42.4 x 2.0mm	<input type="checkbox"/>
			<input type="checkbox"/> 48.3 x 2.0mm	<input type="checkbox"/>
			<input type="checkbox"/> 50.8 x 2.0 mm	<input type="checkbox"/>
			<input type="checkbox"/> 40 x 40mm	<input type="checkbox"/>

FOR A QUOTE, COMPLETE THIS FORM AND EMAIL TO YOUR LOCAL SERVICE CENTRE

IRON	DIMENSIONS			
RAW, UNFINISHED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 33.7 x 2.0mm	<input type="checkbox"/>
GALVANISED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 42.4 x 2.0mm	<input type="checkbox"/>
GALVANISED AND PAINTED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 48.3 x 2.0mm	<input type="checkbox"/>
Colour RAL	_____	<input type="checkbox"/>	<input type="checkbox"/> 50.8 x 2.0mm	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/> 40 x 40mm	<input type="checkbox"/>



QUOTE	<input type="checkbox"/>
ORDER	<input type="checkbox"/>

QUANTITY \_\_\_\_\_

Number of holes	_____
H Height	_____
Z Distance from first hole	_____
X Pitch	_____
Y Distance from the last hole	_____
K Distance from the last hole	_____

<input type="checkbox"/>	<input type="checkbox"/> Hole	<input type="checkbox"/> Ø 4.2mm	<input type="checkbox"/> Ø 10.2mm
<input type="checkbox"/>		<input type="checkbox"/> Ø 5.2mm	<input type="checkbox"/> Ø 12.2mm
<input type="checkbox"/>		<input type="checkbox"/> Ø 6.2mm	<input type="checkbox"/> Ø 14.2mm
<input type="checkbox"/>		<input type="checkbox"/> Ø 8.2mm	
<input type="checkbox"/>	<input type="checkbox"/> Threaded hole	<input type="checkbox"/> M6	
		<input type="checkbox"/> M8	
		<input type="checkbox"/> M10	

NOTES:

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Post Code \_\_\_\_\_

Tel \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_



# ARCHITECTURAL HANDRAIL SYSTEMS

[www.aalco-handrail.com](http://www.aalco-handrail.com)

Aalco has 18 service centres around the country which offer a reliable and on-time delivery service anywhere in the UK. Each centre holds stock to meet the immediate needs of customers in the local area and this is backed up by bulk stocks held at a central warehouse.

**To find out more, ask for a quotation or to get advice on any product selection, please contact your local Aalco service centre.**

## ABERDEEN

Tel: 01224 854810  
Fax: 01224 871982  
[aberdeen@aalco.co.uk](mailto:aberdeen@aalco.co.uk)

## LEEDS

Tel: 0113 276 3300  
Fax: 0113 276 0382  
[leeds@aalco.co.uk](mailto:leeds@aalco.co.uk)

## AYLESBURY

Tel: 01296 461700  
Fax: 01296 339923  
[aylesbury@aalco.co.uk](mailto:aylesbury@aalco.co.uk)

## LIVERPOOL

Tel: 0151 207 3551  
Fax: 0151 207 2657  
[liverpool@aalco.co.uk](mailto:liverpool@aalco.co.uk)

## BELFAST

Tel: 028 9083 8838  
Fax: 028 9083 7837  
[belfast@aalco.co.uk](mailto:belfast@aalco.co.uk)

## MANCHESTER

Tel: 01204 863456  
Fax: 01204 863430  
[manchester@aalco.co.uk](mailto:manchester@aalco.co.uk)

## BIRMINGHAM

Tel: 0121 585 3600  
Fax: 0121 585 6864  
[birmingham@aalco.co.uk](mailto:birmingham@aalco.co.uk)

## NEWCASTLE

Tel: 0191 491 1133  
Fax: 0191 491 1177  
[newcastle@aalco.co.uk](mailto:newcastle@aalco.co.uk)

## CHEPSTOW

Tel: 01291 638638  
Fax: 01291 638600  
[chepstow@aalco.co.uk](mailto:chepstow@aalco.co.uk)

## NORWICH

Tel: 01603 787878  
Fax: 01603 789999  
[norwich@aalco.co.uk](mailto:norwich@aalco.co.uk)

## DYFED

Tel: 01269 842044  
Fax: 01269 845276  
[dyfed@aalco.co.uk](mailto:dyfed@aalco.co.uk)

## NOTTINGHAM

Tel: 0115 988 2600  
Fax: 0115 988 2636  
[nottingham@aalco.co.uk](mailto:nottingham@aalco.co.uk)

## ESSEX

Tel: 01268 884200  
Fax: 01268 884220  
[essex@aalco.co.uk](mailto:essex@aalco.co.uk)

## SOUTHAMPTON

Tel: 023 8087 5200  
Fax: 023 8087 5275  
[southampton@aalco.co.uk](mailto:southampton@aalco.co.uk)

## GLASGOW

Tel: 0141 646 3200  
Fax: 0141 646 3260  
[glasgow@aalco.co.uk](mailto:glasgow@aalco.co.uk)

## STOKE

Tel: 01782 375700  
Fax: 01782 375701  
[stoke@aalco.co.uk](mailto:stoke@aalco.co.uk)

## HULL

Tel: 01482 626262  
Fax: 01482 626263  
[hull@aalco.co.uk](mailto:hull@aalco.co.uk)

## SWANLEY

Tel: 01322 610900  
Fax: 01322 610910  
[swanley@aalco.co.uk](mailto:swanley@aalco.co.uk)

## DUBLIN

Tel: +353 (0) 1 629 8600  
Fax: +353 (0) 1 629 9200  
[dublin@amari-dublin.com](mailto:dublin@amari-dublin.com)

## CORK

Tel: +353 (0) 21 431 0520  
Fax: +353 (0) 21 431 0519  
[cork@amari-cork.com](mailto:cork@amari-cork.com)



Also available in Ireland

