

aalco®

ARCHITECTURAL
HANDRAIL
SYSTEMS

CI/Sfb	(34)		
February 2021			



I A M +®
ANTIBACTERIAL
HANDRAIL SYSTEMS

CONTENTS

IAM + ANTIBACTERIAL HANDRAIL SYSTEMS	1
WHY USE?	2
KILLS MORE THAN 99.8% OF BACTERIA	2
THE PROBLEM & SOLUTION	3
PATENTED	4
HOW IT WORKS	5
BENEFITS	6
PRODUCT LINES	6
CIRCULAR SECTION HANDRAIL	7-9
SQUARE SECTION HANDRAIL	10-11
HANDRAIL KIT	12
HANDRAIL FOR GLASS BALUSTRADES	13
HANDRAILS WITH CUSTOMISABLE MESSAGES	14
TESTING & CERTIFICATION	15
WATER RESISTANT	16
AALCO LITERATURE	17



RUBBER Mallet TO BE USED



PRODUCT TO BE GLUED WITH E4054



ASSEMBLY WITH ALLEN KEY



PRODUCT TO BE WELDED



ANTI-CLIMB PRODUCT



SUPER STRONG, HIGH RESISTANT PRODUCT

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www.aalco-handrail.com



Aalco is the largest independent stockholder of multi-metals in the UK.

Working with our Italian partner IAM design, Aalco Architectural Handrail Systems has produced a new range of ANTIBACTERIAL handrail systems, **IAM+**, for commercial and residential use, featuring revolutionary technology that protects from pathogens.

Countless studies have shown that in all buildings, microorganisms are found on surfaces. This is hardly surprising, given that those surfaces can come into contact with multiple people, sometimes thousands of times a day. Consequently, the people who use those buildings are at risk. Often, the infection can be minor and the illness mild. However, for those who have underlying health conditions, the consequences can be much more serious, even fatal. Building surfaces play a fundamental role in the spread of pathogens yet this risk has, until recently, often been underestimated. The Covid-19 pandemic has brought the transmission of disease into sharp focus and, in doing so, the role that contact with infected surfaces has to play. Whether it's clinics, airports, nurseries, schools, private homes, or a whole range of other buildings, to make those buildings safer, this issue should be addressed. **IAM+** handrail systems can help to contribute to maintaining higher standards of hygiene, eliminating 99% of the pathogens present on surfaces to make them effectively ANTIBACTERIAL.



IAM+ ANTIBACTERIAL HANDRAIL SYSTEMS

aalco® | ARCHITECTURAL
HANDRAIL
SYSTEMS

IAM DESIGN®
INNOVATION ARCHITECTURAL METAL

www.aalco-handrail.com

I A M +[®] WHY USE?

Through its antibacterial properties, **IAM+** kills and eliminates 99.9% of bacteria and other pathogens.



PRIVATE HOMES

Returning home from a place of work or other public building brings with it the risk of introducing bacteria into your home. The **IAM+** accessories by IAM Design help to protect homes and loved ones.



PUBLIC PLACES

IAM+ surfaces are much safer to touch, reducing the potential for spreading disease by eliminating the bacteria with which they come into contact.



HOSPITAL AND MEDICAL CLINIC

Hospitals, by their very nature, are environments with a potentially high risk of contagion. Thanks to **IAM+** it is easier to protect not only the health of patients but also the doctors, nurses and support staff who provide the care.

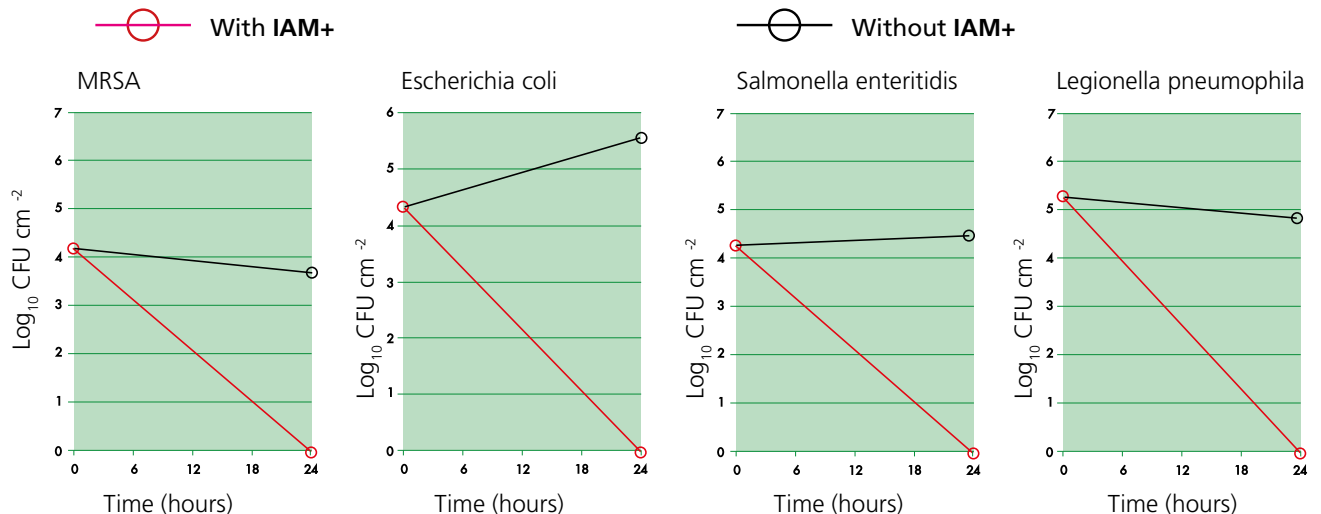
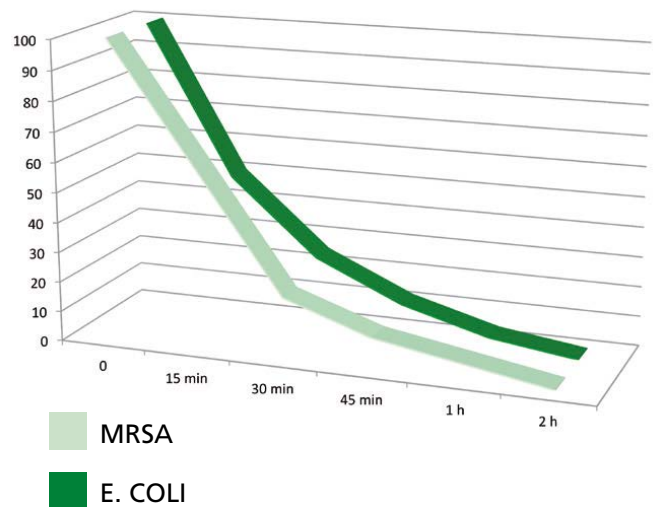


NURSERIES AND SCHOOLS

IAM+ protects young people in what are notoriously crowded environments. With young children and students not always understanding or applying the principles of hand hygiene, helping to protect the surfaces in educational facilities can be key in reducing risk.

I A M +[®] KILLS MORE THAN 99.9% OF BACTERIA

Handrails treated with **IAM+** slowly release silver ions which, in just a few minutes, kills more than 650 species of germ, including *Escherichia coli*, *Legionella pneumophila*, *Salmonella enteritidis* and others. Silver ions are completely safe for humans, targeting their attack only to bacteria by inhibiting their ability to reproduce.



I A M +[®] THE PROBLEM & SOLUTION

IAM+ technology employs the natural antibacterial properties of silver to treat the metallic surfaces commonly used in construction.

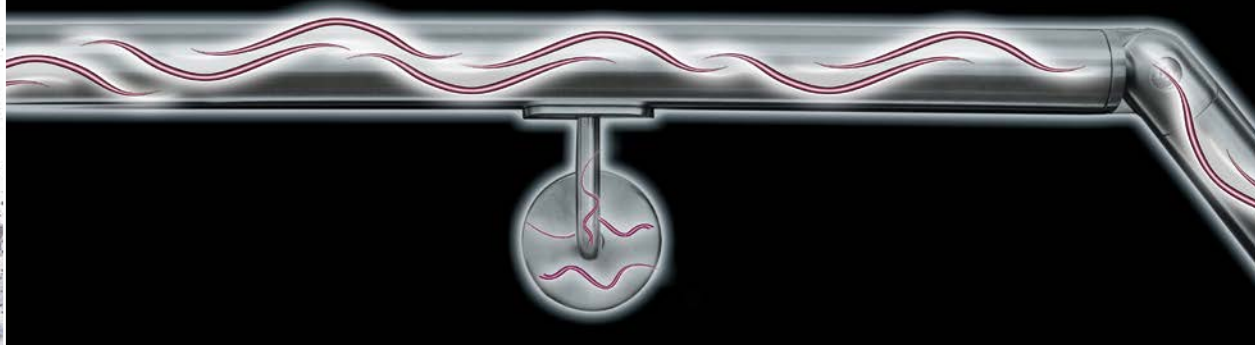
For a safe contact experience.

THE PROBLEM



THE RISK OF CONTAGION

Surfaces in public places have been shown to be one of the main contributors to the spread of viruses and bacteria.



THE SOLUTION



PROTECTED BY IAM+ ANTIBACTERIAL NANOTECHNOLOGY

The antibacterial properties of nano silver particles eliminate and kill the bacteria with which they come into contact.



I A M +[®] THE PROBLEM & SOLUTION

I A M + PATENTED

The patented silicone-based protective film evenly distributes silver salts, making the surface of IAM+ antibacterial products, lengthening and improving their protection.

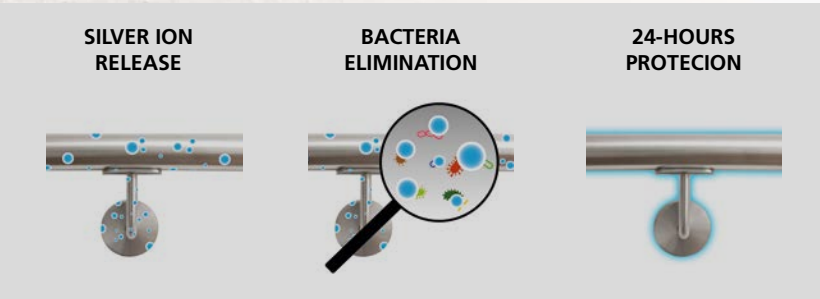


I A M + PATENTED

I A M +[®] HOW IT WORKS



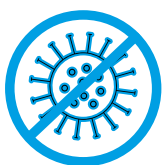
Silver ions on the surface of **IAM+** immediately attack any bacteria present, quickly inhibiting them and thereby eliminating the danger. The treatment provides constant protection 24/7.



THE BEHAVIOUR OF BACTERIA IN COMPARISON

BACTERIUM	HOURS	STANDARD HANDRAIL	IAM+
ESCHERICHIA COLI	00:00	160.000 number of bacteria at the time of infection	160.000 number of bacteria at the time of infection
ESCHERICHIA COLI	+ 24:00	99.999%	0%
STAFILOCOCCUS	00:00	350.000 number of bacteria at the time of infection	350.000 number of bacteria at the time of infection
STAFILOCOCCUS	+ 24:00	99.948%	0 %

I A M + BENEFITS



100% ANTIBACTERIAL

Thanks to a patented, silicon-based cover enriched with nano silver particles, **IAM+** is 100% antibacterial and safe for public use.



EASY TO ASSEMBLE

Ease of assembly applies to both new applications and also to retro-fitting on existing balustrade and handrail systems.



APPROVAL

IAM+ systems have passed chemical, physical and mechanical tests and have met all the requirements for ISO 22196 certification.



EASY TO CLEAN

IAM+ systems are inherently antibacterial but for those who may wish to clean them, this is easily done using cleaning solutions with neutral or acidic composition (alkaline-based products should be avoided).



CUSTOMISABLE

Systems with the antibacterial properties of **IAM+** can be customised to meet the specific requirements of a given application.

I A M + PRODUCT LINES



65

65 products from the **IAM+** range are maintained as standard stock items

+3000

The entire IAM Design range can be supplied with **IAM+** technology - over 3,000 items. A print copy of our complete catalogue is available on request from your local Service Centre. Alternatively, it can be downloaded from our website www.aalco-handrail.com




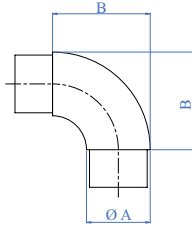
In addition to standard products, we can also produce bespoke items to specific project requirements

I A M + CIRCULAR SECTION HANDRAIL



Stainless steel, satin finish, with grain size 320, individually packed

AISI304	AISI316	Dimensions	Length	Weight
SE001	SE4801	Ø 42.4 x 2.0mm	3000mm	6.07kg
SE001/6000	SE4801/6000	Ø 42.4 x 2.0mm	6000mm	12.14kg


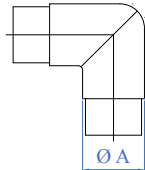
90° elbow, satin finish

AISI304	AISI316	A For tube	B
SE450/304	SE450	Ø 42.4 x 2.0mm	65mm




90° elbow, satin finish

AISI304	AISI316	A For tube	B
SE451/304	SE451	Ø 42.4 x 2.0mm	65mm



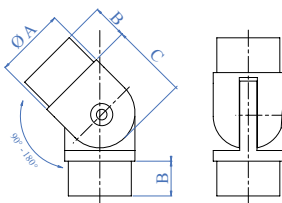



90° elbow, satin finish

AISI304	AISI316	A For tube
SE5587/304	SE5587	Ø 42.4 x 2.0mm


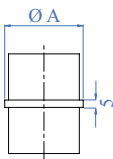


THIS ITEM KEEPS THE HANDRAIL IN POSITION THROUGH A PERFECTLY CENTRED ROTATION POINT

Pivotable connector, satin finish


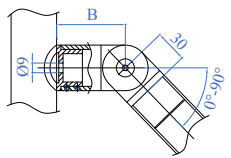
AISI304	AISI316	A For tube	B	C
SE446/304	SE446	Ø 42.4 x 2.0mm	22mm	53mm

Straight connector, satin finish

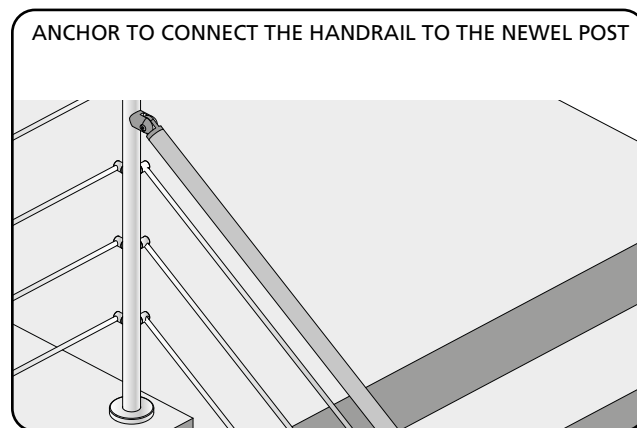

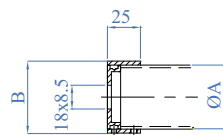
AISI304	AISI316	A For tube
SE455/304	SE455	Ø 42.4 x 2.0mm

I A M + CIRCULAR SECTION HANDRAIL


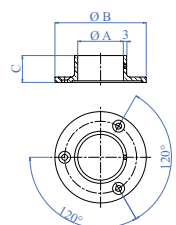
Pivotal connector, satin finish

AISI316	A For tube	B
SE1520120	Ø 42.4 x 2.0mm	64mm


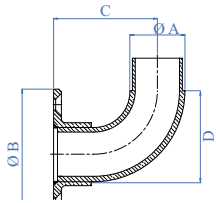
Anchorage for tube, satin finish

AISI304	AISI316	A For tube	B
SE2070/304	SE2070	Ø 42.4mm	48.6mm


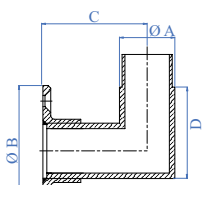
Anchorage for tube, satin finish

AISI304	AISI316	A For tube	B	C
SE456/304	SE456	Ø 42.4mm	Ø 84mm	25mm


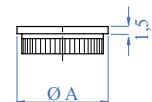
Anchorage for tube, satin finish

AISI316	A For tube	B	C	D
SE4561	Ø 42.4 x 2.0mm	Ø 84mm	84mm	65mm

Anchorage for tube, satin finish

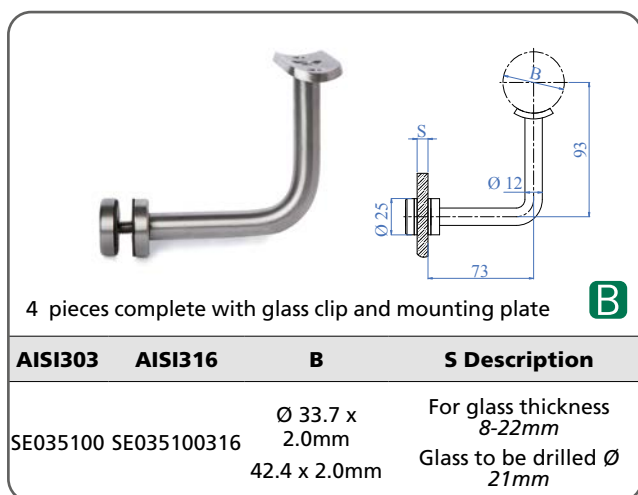
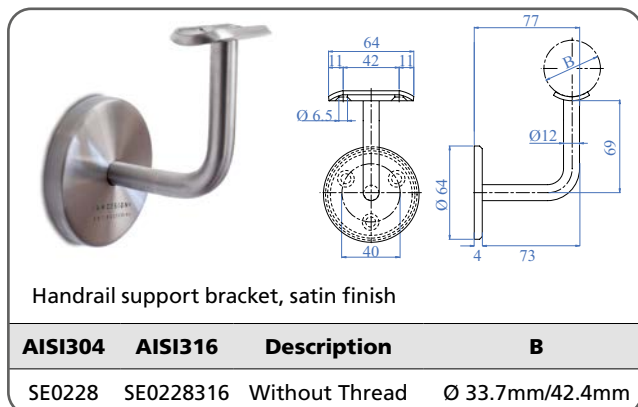
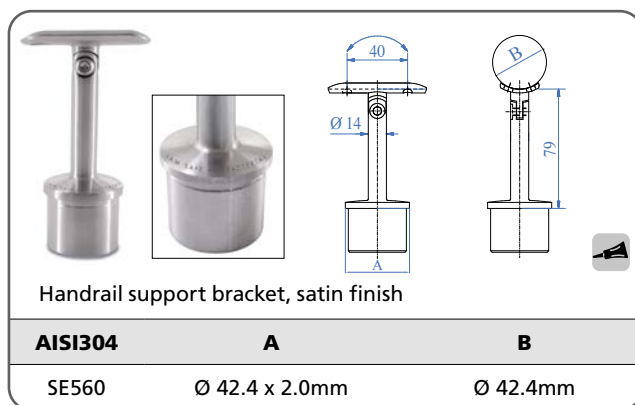
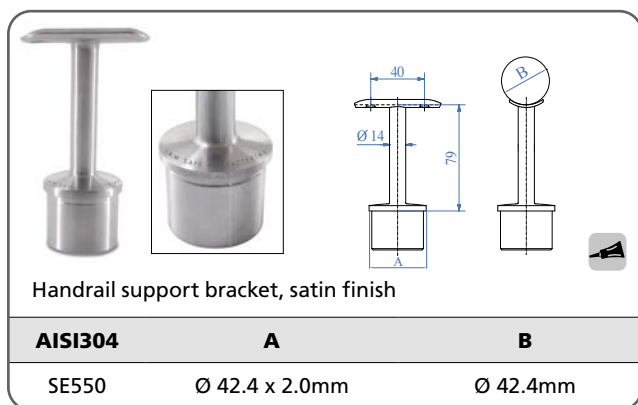
AISI316	A For tube	B	C	D
SE4566	Ø 42.4 x 2.0mm	Ø 84mm	80mm	65mm

End cap with knurling, satin finish

AISI303	AISI316	A For tube
SE01151	SE01151316	Ø 42.4 x 2.0mm

I A M +[®] CIRCULAR SECTION HANDRAIL



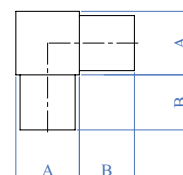
I A M +[®] CIRCULAR SECTION HANDRAIL

I A M + SQUARE SECTION HANDRAIL



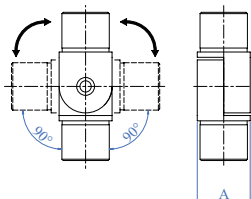
Stainless steel, satin finish,
with grain size 320, individually
packed

AISI304	AISI316	Dimensions	Length	Weight
SE00204040	SE10204040	40 x 40 x 2.0mm	3000mm	7.36kg
SE06204040	SE16204040	40 x 40 x 2.0mm	6000mm	14.72kg



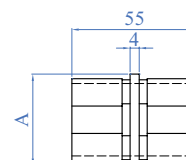
90° elbow, satin finish

AISI304	AISI316	A For tube	B
SE4713/304	SE4713	40 x 40 x 2.0mm	25mm



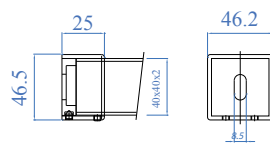
Pivotal connector, satin finish

AISI316	A For tube
SE4743	40 x 40 x 2.0mm



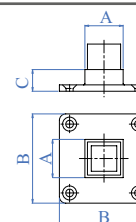
Straight connector, satin finish

AISI316	A For tube
SE4760	40 x 40 x 2.0mm



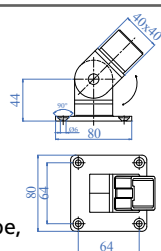
Anchorage, satin finish

AISI316	A For tube
SE4740	40 x 40mm



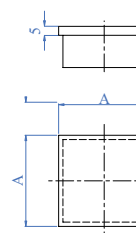
Anchorage for handrail, satin finish

AISI316	A For tube	B	C
SE4701	40 x 40 x 2.0mm	80mm	18mm



Pivotal connector for square tube,
satin finish

AISI316	A For tube
SE004720141	40 x 40 x 2.0mm



End cap, satin finish

AISI304	AISI316	A x A For tube
SE4230/304	SE4230	40 x 40 x 2.0mm



Handrail support bracket, satin finish

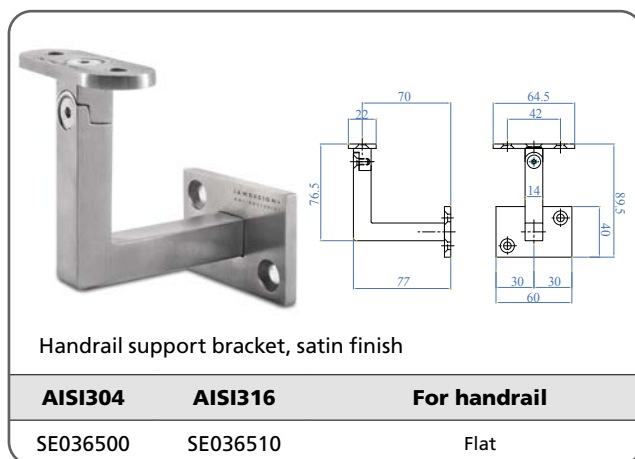
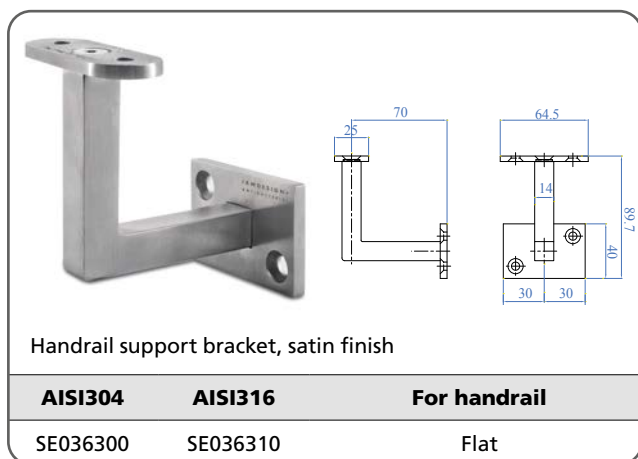
AISI316	H Height	For handrail	For square tube
SE037310	75mm	Flat	40 x 40 x 2.0mm



Handrail support bracket, satin finish

AISI316	H Height	For handrail	For square tube
SE037710	75mm	Flat	40 x 40 x 2.0mm

I A M +[®] SQUARE SECTION HANDRAIL

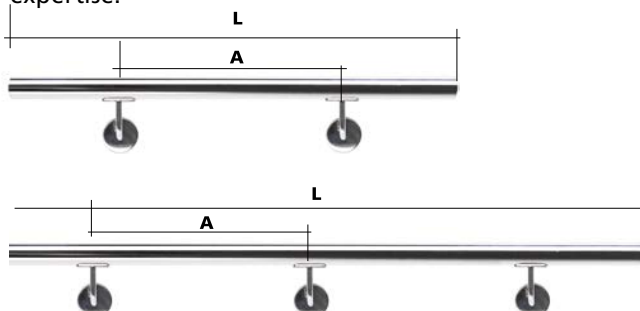


I A M +[®] SQUARE SECTION HANDRAIL

I A M + HANDRAIL KIT

READY FOR INSTALLATION

Our new series of handrail kits come in satin and mirror polished stainless steel finish, as well as wood, and are supplied ready for assembly. The kit comes complete with handrail supports and 2 or 3 metre-long tubes. Easy to install on any wall, the kits are designed for ease of installation, whatever the level of technical expertise.



AISI304	Ø Tube	L Length	A
Satin finish			
SE090	Ø 42.4 x 2.0mm	2000mm	1500mm
SE091	Ø 42.4 x 2.0mm	3000mm	1250mm



AISI316	Ø Tube	Length	A
Stainless steel satin finish			
SE119710013	Ø 42.4 x 2.0mm	2000mm	1500mm



AISI316	Ø Tube	Length	A
Stainless steel satin finish			
SE119710014	40 x 40mm	2000mm	1500mm

KIT

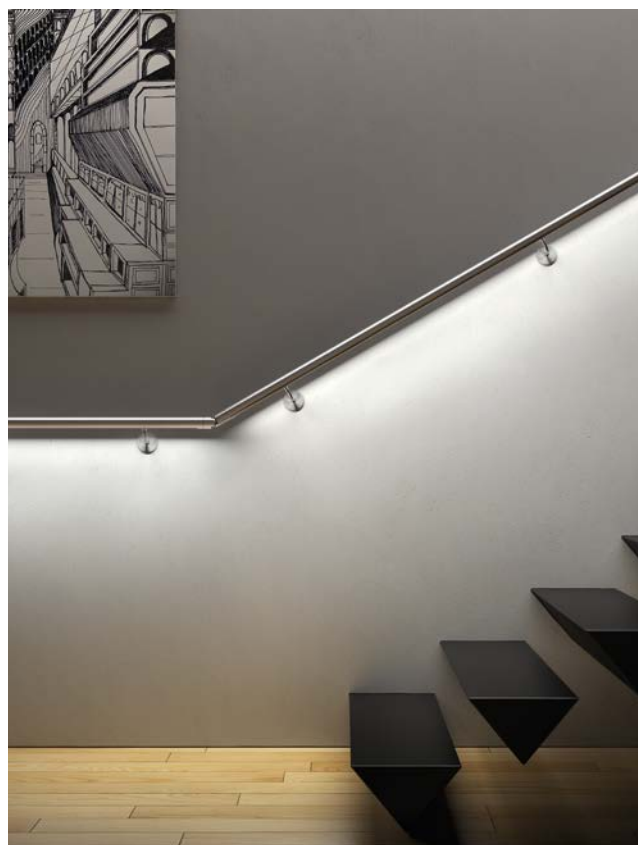


KIT COMPRISES

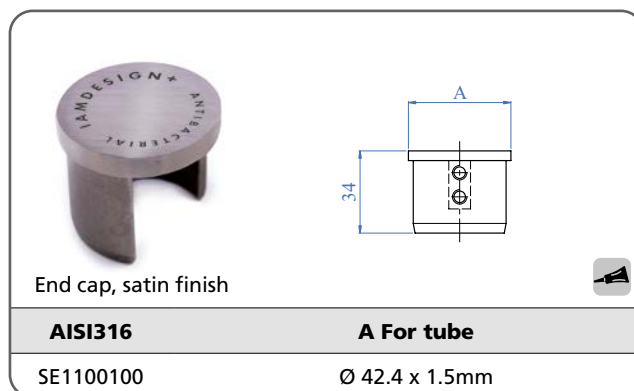
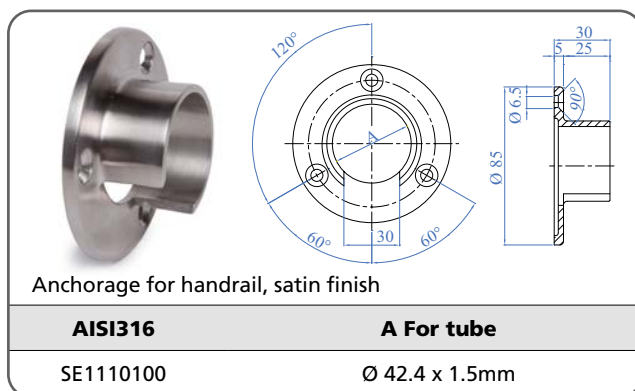
Description	N. pc. L 2000mm	N. pc. L 3000mm
Tube	1	1
Anchorage element	2	3
Flange canopies	2	3
End cap	2	2
Flat head screw	4	6



AISI304	□ Tube	L Length	A
Satin finish			
SE095	40 x 40mm	2000mm	1500mm
SE096	40 x 40mm	3000mm	1250mm



I A M[®] + HANDRAIL FOR GLASS BALUSTRADES



I A M+® HANDRAILS WITH CUSTOMISABLE MESSAGES



SAFE TO TOUCH, YOU ARE PROTECTED.

These are just examples of the messages which can be applied to IAM+ handrails on request. This can help to ensure public confidence through clear, simple and highly visible messaging.



IDEA!



IDEAL FOR PUBLIC PLACES SUCH AS AIRPORTS, HOSPITALS, MUSEUMS AND MANY OTHER ENVIRONMENTS

Contact us and we will customise the product to meet your specific needs.

I A M +[®] TESTING & CERTIFICATION

IAM+ is tested and certified by independent third parties

The **IAM+** treatment has been certified by Chemistry & Environmental laboratories, along with universities, in accordance with the ISO 22196:211 regulation.
(Testing to determine the antibacterial action).

RESISTANCE TO CORROSION

The antibacterial treatment has been tested for resistance to corrosion in saline mist in accordance with EN1970.



99.9% BACTERICIDAL



CONSTANT ACTION



**NO MAINTENANCE IS
REQUIRED**



I A M +[®] TESTING & CERTIFICATION

I A M + WATER RESISTANT



The silicon-based coverage of **IAM+** ensures that the natural ripples and micro incisions present on metal surfaces are filled and flattened to create a hard, protective film. This means that liquids, dust and other agents that might otherwise corrode the steel simply pass across the surface.

In addition to the protective qualities, this helps to create a long-lasting, aesthetic finish.

aalco[®] LITERATURE

You can easily download PDF's of our latest catalogues and brochures, just visit our website www.aalco-handrail.com or contact your local Service Centre.



PRODUCT
CATALOGUE



ABRIDGED
BROCHURE



PERSONAL
PROTECTION
SCREENS



GLASS-U P2
BROCHURE



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.

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Also available in Ireland

