aalco®

ARCHITECTURAL
HANDRAIL
SYSTEMS

www. aalco-handrail.com

AALCO SYSTEMS

MIRROR SYSTEM

IAM DESIGN®

This range of mirror-polished products was conceived to offer a more modern design with better resistance.
The smoother surface of the components gives the stainless steel greater resistance to both the weather and microdust. As a result, the system is ideal for use in coastal areas or in town centres.

Following tests carried out in collaboration with leading research institutes, Aalco recommends the use of only mirror-polished products in
SALINE SURROUNDINGS
(areas within 12 km of the sea).

RUBBER MALLET TO BE USED

PRODUCT TO BE GLUED WITH E4054

ASSEMBLY WITH ALLEN KEY

STAINLESS STEEL TUBES

Stainless steel, mirror-polished, individually packed

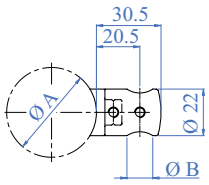
AISI304	AISI316	DIMENSIONS	WEIGHT
Mirror Polished			
X001	X4801	Ø 42.4 x 2.0 x 3000mm	6.07 kg
X001/6000	X4801/6000	Ø 42.4 x 2.0 x 6000mm	12.14 kg
–	X4803	Ø 43.0 x 1.5 x 3000mm	4.68 kg
–	X4803/6000	Ø 43.0 x 1.5 x 6000mm	9.36 kg

ROUND BARS

Stainless steel, mirror-polished, individually packed

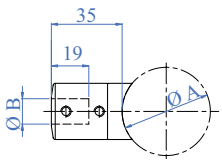
AISI316	DIMENSIONS	WEIGHT
Mirror Polished		
X4851	Ø 12 x 3000mm	2.66 kg
X4851/6000	Ø 12 x 6000mm	5.32 kg

ROUND BAR HOLDERS



2 components, complete with set screws

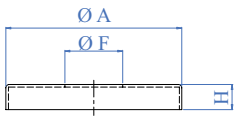
AISI304	AISI316	FOR TUBE A	HOLE B
X0069	X4042	Ø 42.4mm Ø 43.0mm	Ø 12.2mm
X006915	X4040	Ø 50.8mm	Ø 14.2mm



2 components, complete with set screws

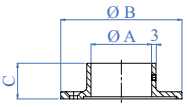
AISI304	AISI316	FOR TUBE A	ROUND BAR B
X01651	-	Ø 42.4mm	Ø 12.2mm

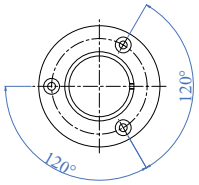
FLANGE CANOPIES



AISI316	DIMENSIONS A	HOLE F	HEIGHT H
X4072	Ø 105mm	Ø 43mm	15mm
X4072/43	Ø 105mm	Ø 43.5mm	15mm
X40731	Ø 105mm	Ø 51.50mm	15mm

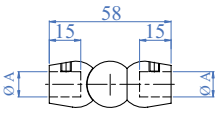
ANCHORAGE FOR HANDRAILS





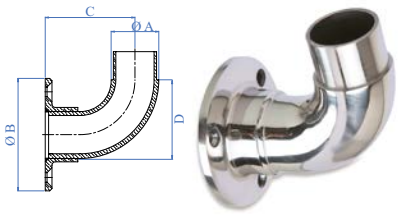
AISI316	FOR TUBE A	B	C
X456	Ø 42.4mm	Ø 84mm	25mm

PIVOTABLE ROUND BAR CONNECTOR



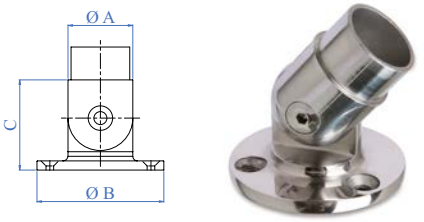
AISI316	FOR ROUND BAR B
X0070316	Ø 12mm

LATERAL



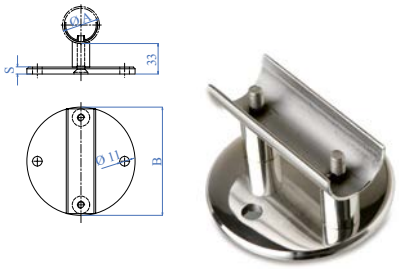
Curved elbow flange

AISI316	FOR TUBE A
X4561	Ø 42.4 x 2.0mm
X4561/43	Ø 43.0 x 1.5mm



Adjustable tube holder

AISI316	FOR TUBE A
X4483	Ø 42.4 x 2.0mm

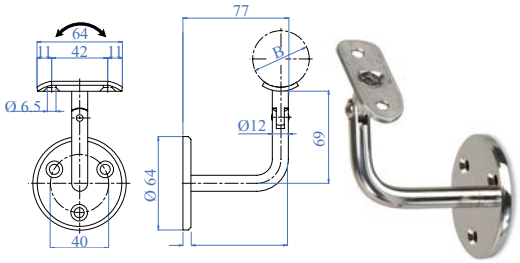


Set - comprising flange, spacers and tube plate

AISI316	FOR TUBE A	DISC
X113316	Ø 42.4 x 2.0mm	Ø 100 x 6mm
	Ø 43.0 x 1.5mm	Ø 100 x 6mm

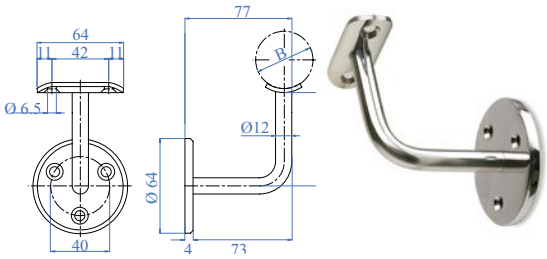
WALL HANDRAIL SUPPORT

3 pieces, complete with flange Ø 70 x 6mm and elbow 75 x 75mm, Ø 12mm

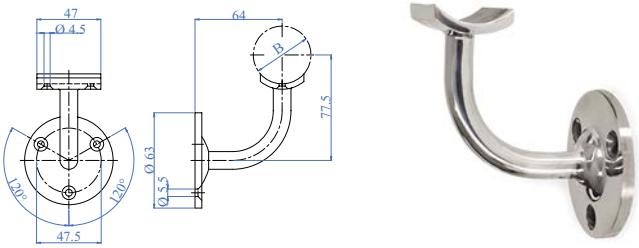


AISI316	FOR TUBE
X02231316	Ø 42.4mm Ø 43.0mm

3 pieces, complete with flange Ø 70 x 6mm and elbow 75 x 75mm, Ø 12mm

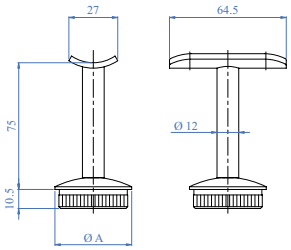


AISI316	FOR TUBE
X0223316	Ø 42.4mm Ø 43.0 mm



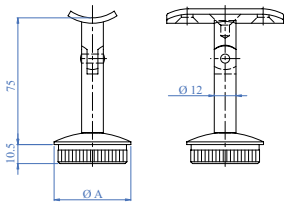
AISI316	FOR TUBE
X459	Ø 42.4mm

HANDRAIL SUPPORT



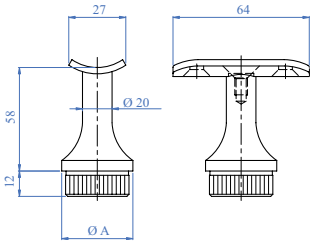
3 pieces complete with screws

AISI316	FOR TUBE A	HEIGHT
X031/S1316	Ø 42.4 x 2.0mm	75mm
X031/S1316/43	Ø 43.0 x 1.5mm	75mm



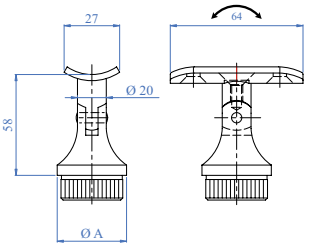
3 pieces complete with screws

AISI316	FOR TUBE A	HEIGHT
X030/S316	Ø 42.4 x 2.0mm	75mm
X030/S316/43	Ø 43.0 x 1.5mm	75mm



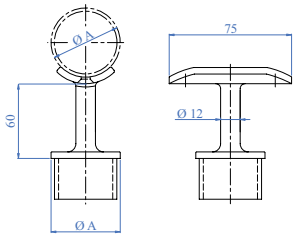
Rigid, complete with mounting plate

AISI316	FOR TUBE A	B	C
X0102316	Ø 42.4 x 2.0mm	Ø 20mm	58mm
X0102316/43	Ø 43.0 x 1.5 mm	Ø 20mm	58mm



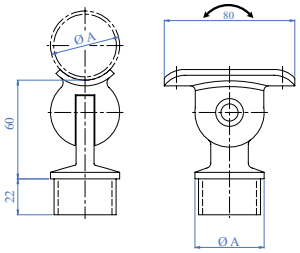
Pivotable, complete with mounting plate

AISI316	FOR TUBE A	B	C
X0104316	Ø 42.4 x 2.0mm	Ø 20mm	58mm
X0104316/43	Ø 43.0 x 1.5mm	Ø 20mm	58mm



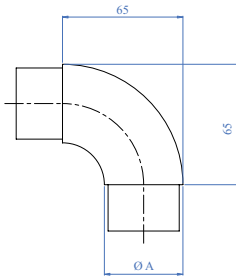
Rigid

AISI316	FOR TUBE A	HEIGHT
X458	Ø 42,4 x 2.0mm	60mm
X458/43	Ø 43.0 x 1.5mm	60mm



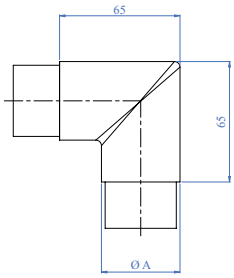
Pivotable

AISI316	FOR TUBE A	HEIGHT
X4581	Ø 42.4 x 2.0mm	60mm
X4581/43	Ø 43.0 x 1.5mm	60mm



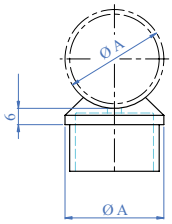
90° elbow

AISI316	FOR TUBE A	B
X450	Ø 42.4 x 2.0mm	65mm
X450/43	Ø 43.0 x 1.5mm	65mm



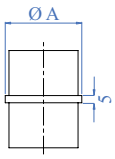
90° angle

AISI316	FOR TUBE A	B
X451	Ø 42.4 x 2.0mm	65mm
X451/43	Ø 43.0 x 1.5mm	65mm



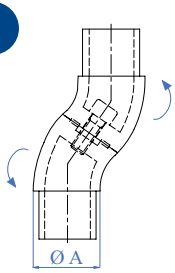
Mirror-polished adapter for tube

AISI316	FOR TUBE A	HEIGHT H
X454	Ø 42.4 x 2.0mm	6mm
-	Ø 43.0 x 1.5mm	6mm



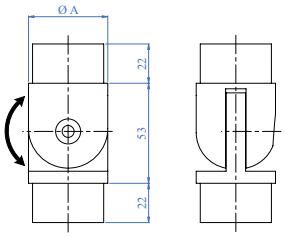
AISI316	FOR TUBE A
X455	Ø 42.4 x 2.0mm
X455/43	Ø 43.0 x 1.5mm

TUBE FITTINGS



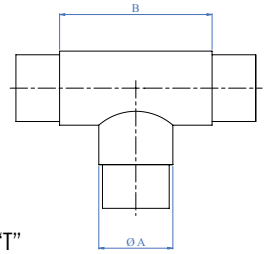
Articulated elbow

AISI316	FOR TUBE A
X4471	Ø 42.4 x 2.0mm
X4471/43	Ø 43.0 x 1.5mm



Pivotable connector

AISI316	FOR TUBE A	B	C
X446	Ø 42.4 x 2.0mm	22mm	53mm
X446/43	Ø 43.0 x 1.5mm	22mm	53mm

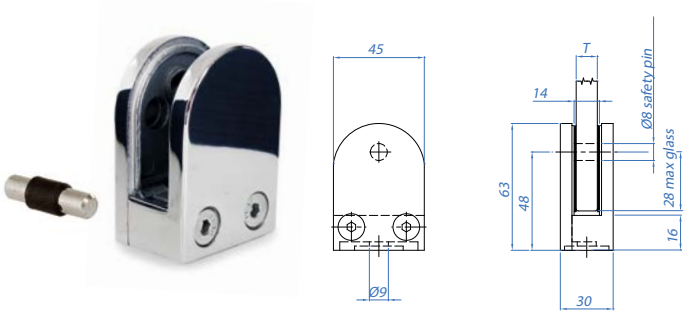


3-Way flush “T”

AISI316	FOR TUBE A	B
X453	Ø 42.4 x 2.0mm	87mm
X453/43	Ø 43.0 x 1.5mm	87mm

GLASS HOLDERS

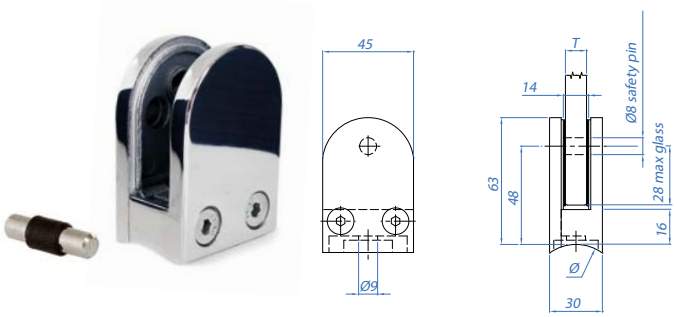
Model **14**



With locking pin

AISI316	FINISH	FOR TUBE Ø
X 2 14 000 00	Mirror	Flat surface

ZAMAC MIRROR	FINISH	FOR TUBE Ø
X 3 14 000 00	Mirror	Flat surface

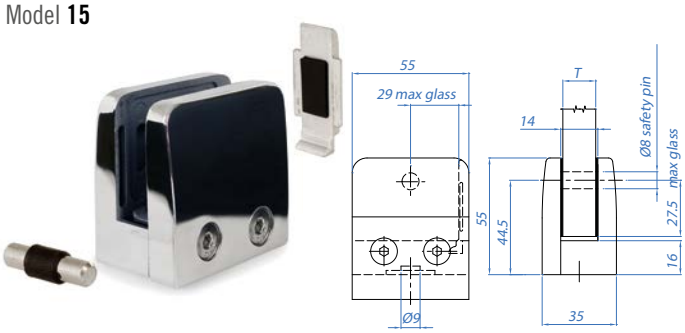


With locking pin

AISI316	FINISH	FOR TUBE Ø
X 2 14 042 00	Mirror	42.4mm

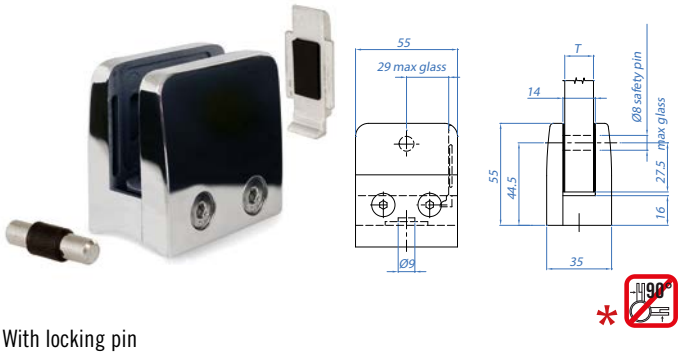
ZAMAC SATIN	FINISH	FOR TUBE Ø
X 3 14 042 00	Mirror	42.4mm

Model **15**



With locking pin

AISI316	FINISH	FOR TUBE Ø
X 2 15 000 00	Mirror	Flat surface

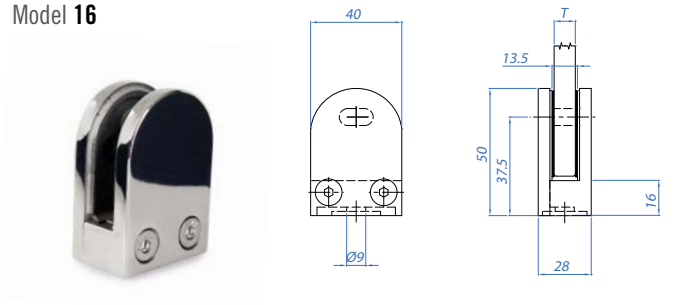


With locking pin

AISI316	FINISH	FOR TUBE Ø
X 2 15 042 *00	Mirror	42.4mm

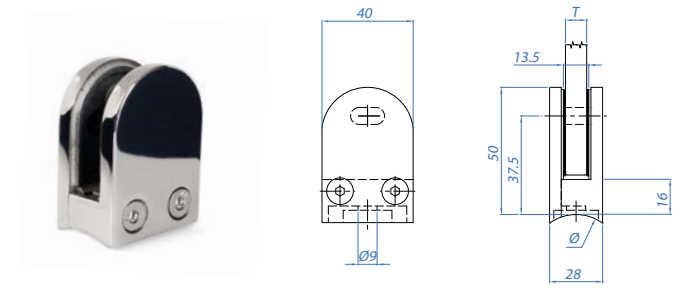
ZAMAC MIRROR	FINISH	FOR TUBE Ø
X 3 15 000 00	Mirror	Flat surface

Model **16**



AISI316	FINISH	FOR TUBE Ø
X 2 16 000 00	Mirror	Flat surface

ZAMAC MIRROR	FINISH	FOR TUBE Ø
X 3 16 000 00	Mirror	Flat surface



AISI316	FINISH	FOR TUBE Ø
X 2 16 042 00	Mirror	42.4mm

ZAMAC SATIN	FINISH	FOR TUBE Ø
X 3 16 042 00	Mirror	42.4mm

RUBBERS

Glass clamps are supplied without rubbers in boxes of 4

Rubber for Model **14**

Monolithic glass

RUBBER	MODEL	NO. SET	NO. PER SET	T
R 14 12	14	4	2 pcs	12mm

Laminated glass

RUBBER	MODEL	NO. SET	NO. PER SET	T
R 14 11	14	4	2 pcs	10.76mm
R 14 13	14	4	2 pcs	12.76mm
R 14 14	14	4	2 pcs	13.52mm

Rubber for Model **15**

Monolithic glass

RUBBER	MODEL	NO. SET	NO. PER SET	T
R 15 08	15	4	2 pcs	8mm
R 15 10	15	4	2 pcs	10mm
R 15 12	15	4	2 pcs	12mm

Laminated glass

RUBBER	MODEL	NO. SET	NO. PER SET	T
R 15 09	15	4	2 pcs	8.76mm
R 15 44	15	4	2 pcs	9.52mm
R 15 11	15	4	2 pcs	10.76mm
R 15 13	15	4	2 pcs	12.76mm

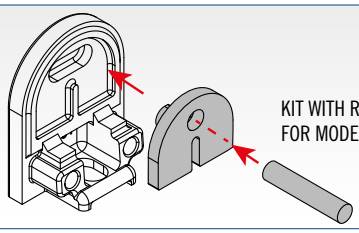
Rubber for Model **16**

Monolithic glass

RUBBER	MODEL	T	NO. SET	NO. PER SET
R 16 10	16	10mm	4	2 pcs

Laminated glass

RUBBER	MODEL	T	NO. SET	NO. PER SET
R 16 09	16	8.76mm	4	2 pcs
R 16 44	16	9.52mm	4	2 pcs
R 16 11	16	10.76mm	4	2 pcs



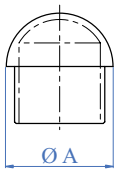
KIT WITH RUBBER AND SECURITY PIN FOR MODEL 16

Laminated glass

SAFETY KIT	MODEL	T	NO. SET	NO. PER SET
R 16 09P	16	8.76mm	4	2 pcs
R 16 11P	16	10.76mm	4	2 pcs

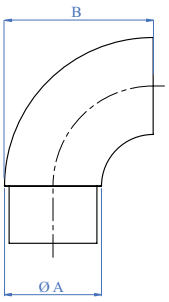
END CAPS

Hollow



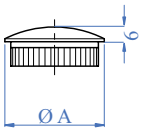
AISI316	FOR TUBE A
X465	Ø 42.4 x 2.0mm
X465/43	Ø 43.0 x 1.5mm

Bent 90°, flat



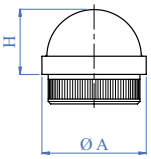
AISI316	FOR TUBE A
X452	Ø 42.4 x 2.0mm

With knurling



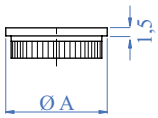
AISI316	FOR TUBE A
X0119316	Ø 42.4 x 2.0mm
X0119316/43	Ø 43.0 x 1.5mm

Solid series with knurling and smaller semisphere



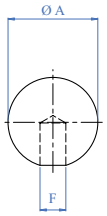
AISI316	FOR TUBE A
X011316	Ø 42.4 x 2.0mm
X011316/43	Ø 43.0 x 1.5mm
X011316/50	Ø 50.8 x 1.5mm

With knurling



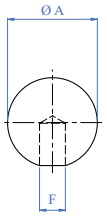
AISI316	FOR TUBE A
X01151316	Ø 42.4 x 2.0mm
X01151316/43	Ø 43.0 x 1.5mm

SPHERE FINIALS



AISI316	DIMENSION A	HOLE F
X4308	Ø 25mm blind hole	Ø 12.2mm
X4309	Ø 25mm blind hole	Ø 14.2mm
X4311	Ø 25mm hole	Ø 12.2mm

HOLLOW SPHERE FINIALS



Hollow spheres, with threaded inserts

AISI316	DIMENSION A	THREAD
E0701/HP	Ø 30mm	M6
E0702/HP	Ø 40mm	M6
E071/HP	Ø 60mm	M8
E072/HP	Ø 70mm	M8
E073/HP	Ø 80mm	M8
E074/HP	Ø 90mm	M8
E075/HP	Ø 100mm	M10
E076/HP	Ø 120mm	M10

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