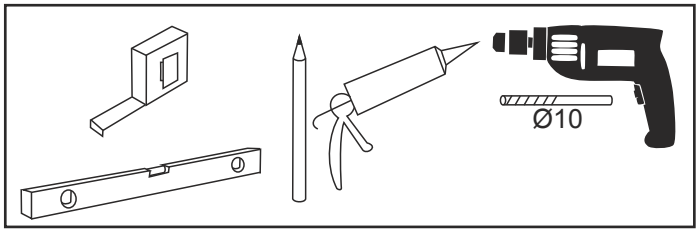
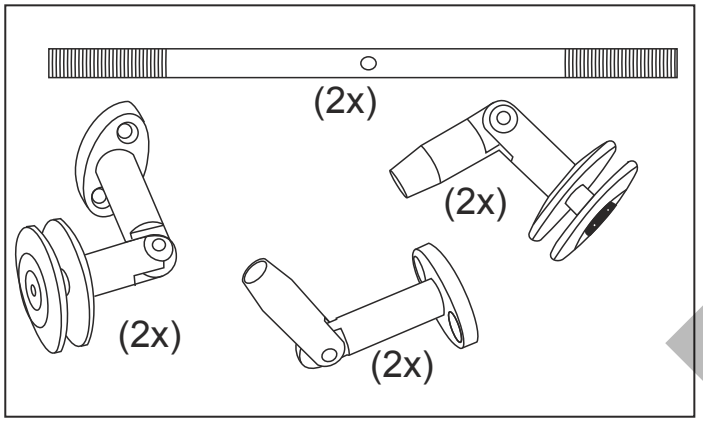
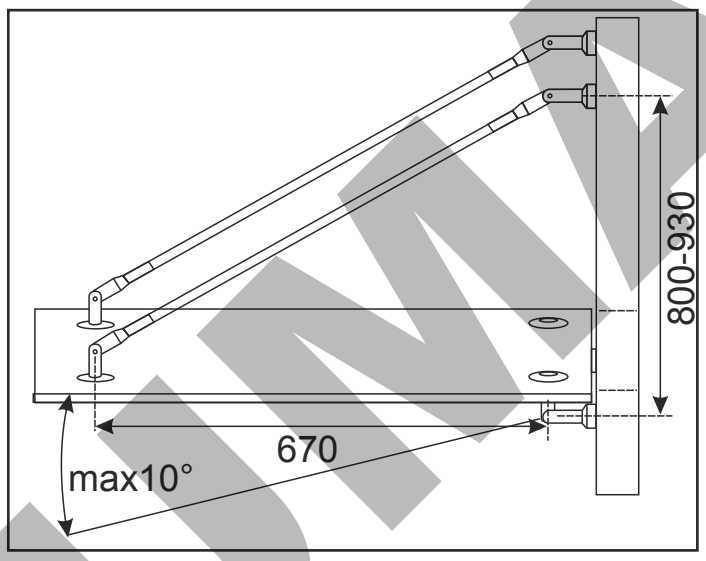
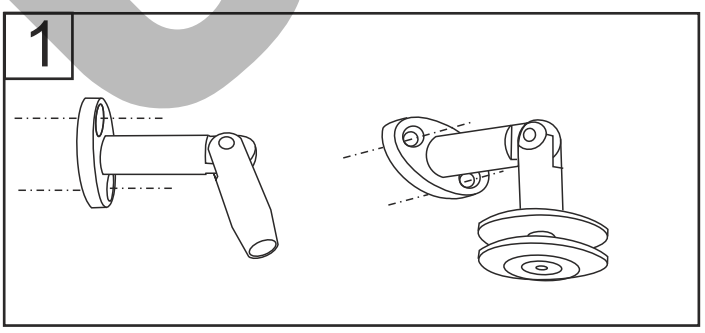
umakov®
PRODUCT/SYSTEM/DESIGN

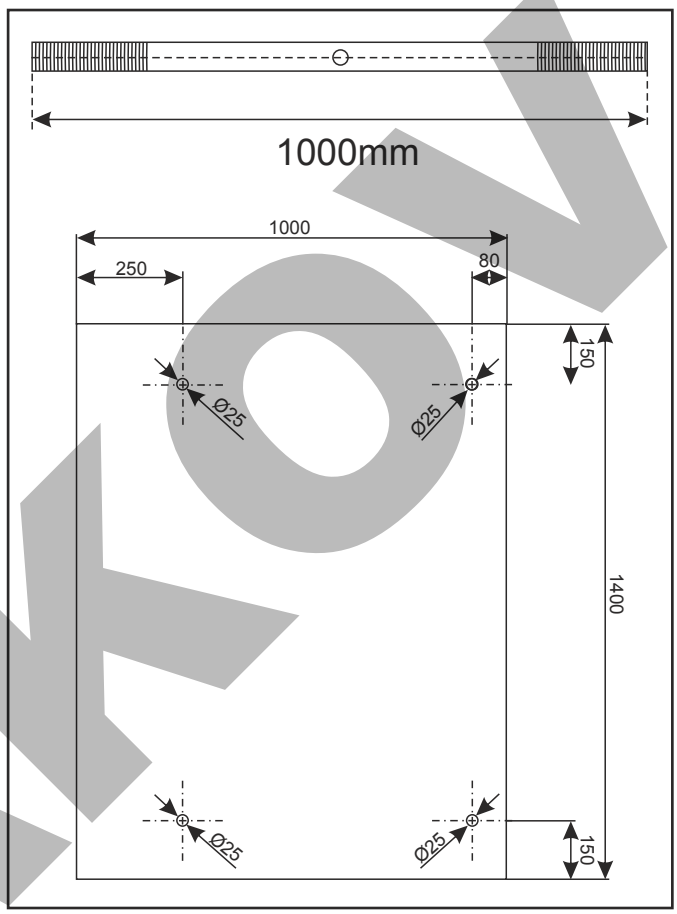
GS14/PR-R3-M12-set/glass

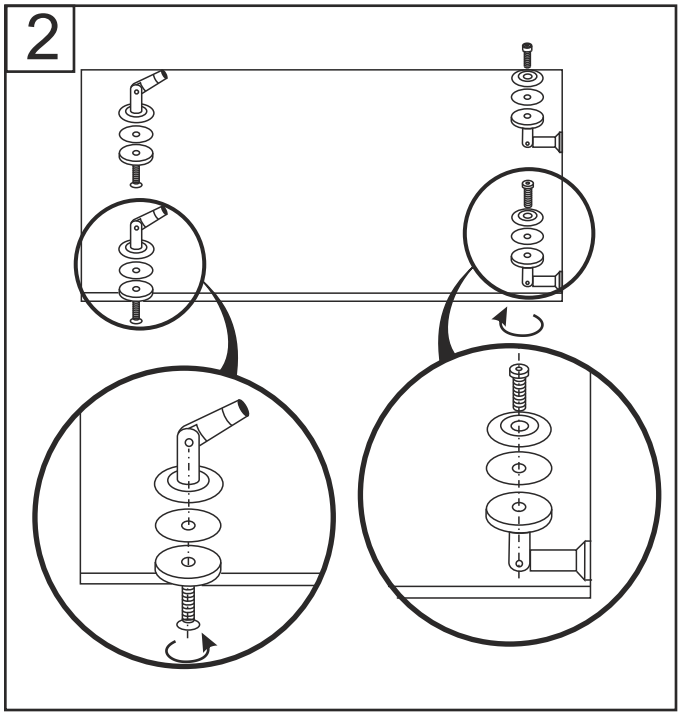






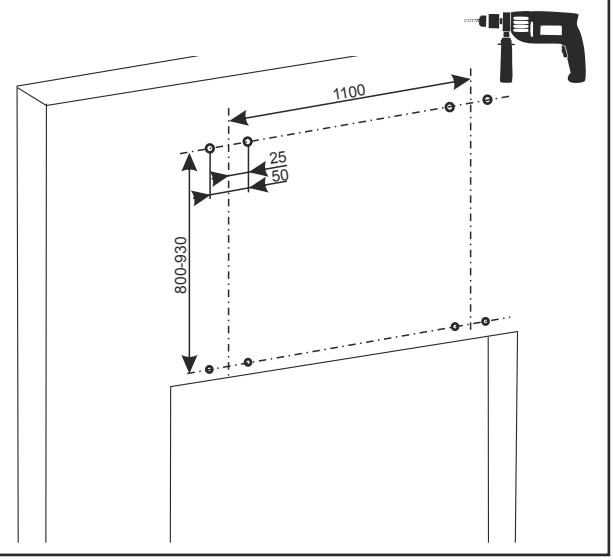




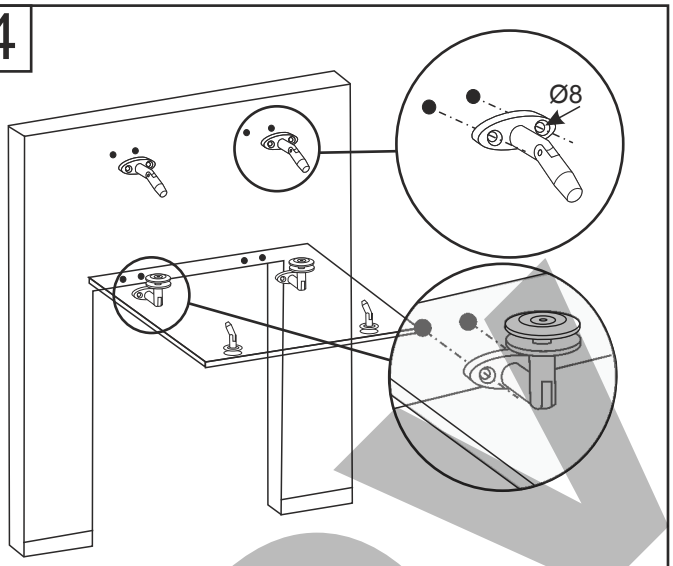


www.lyctum.com

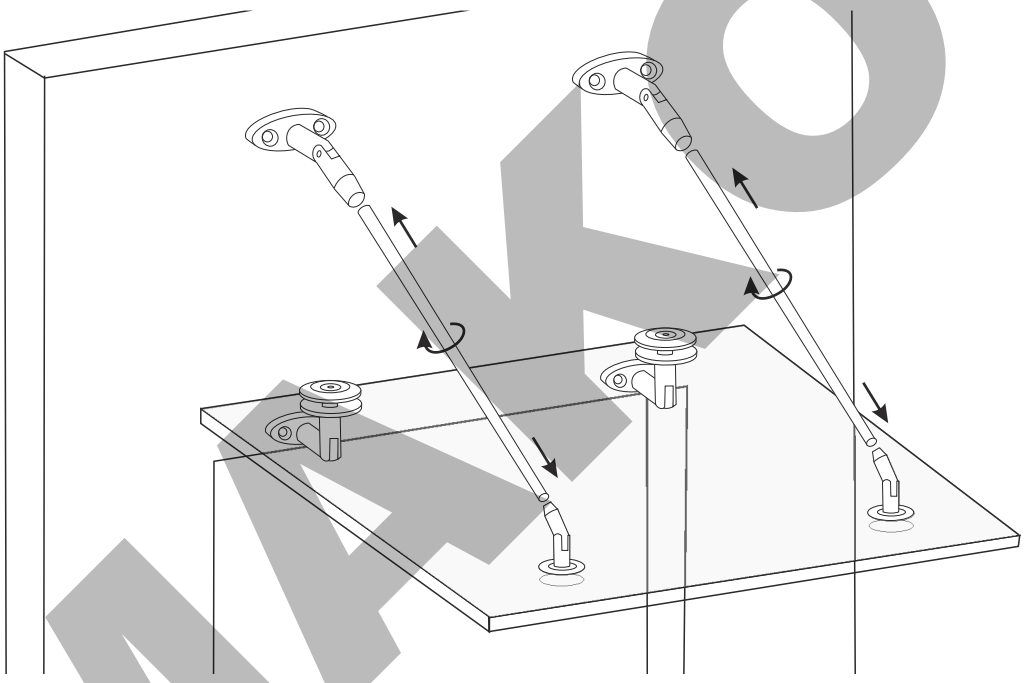
3



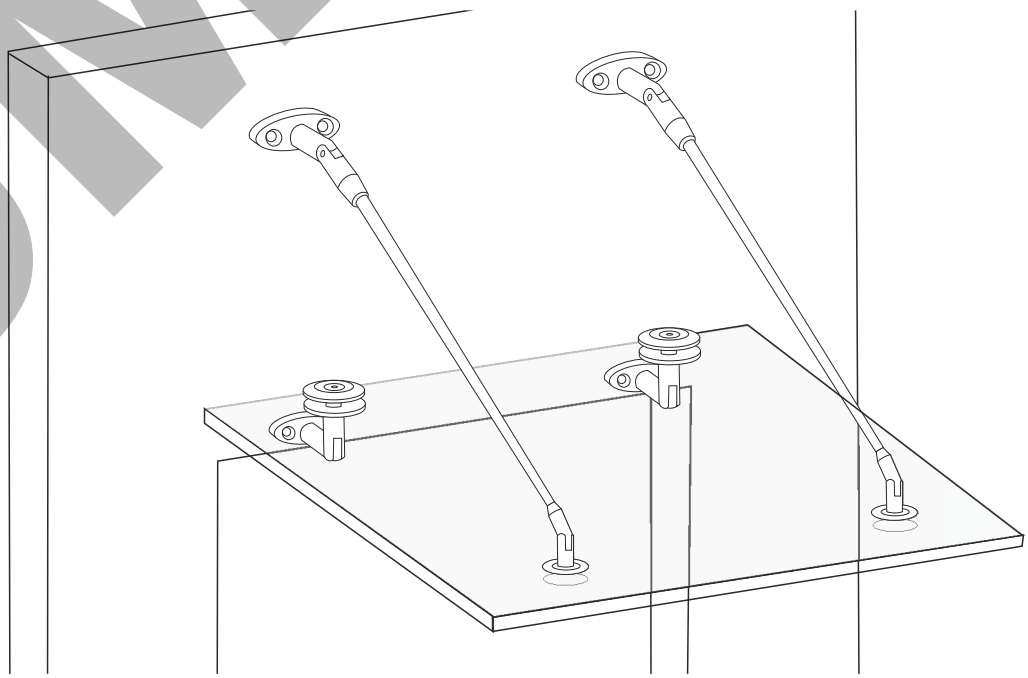
4

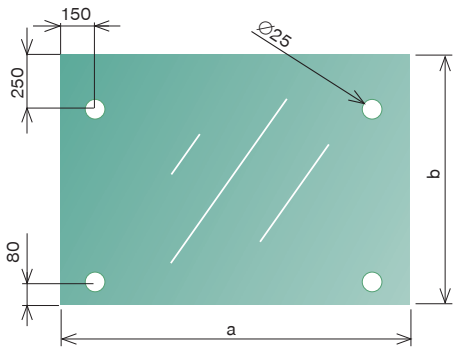


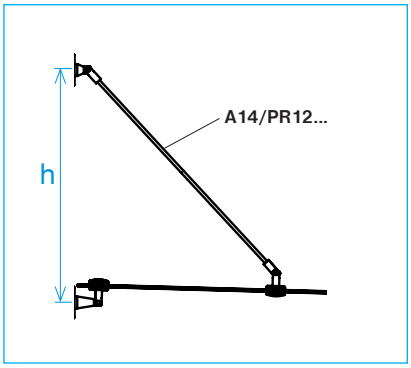
5



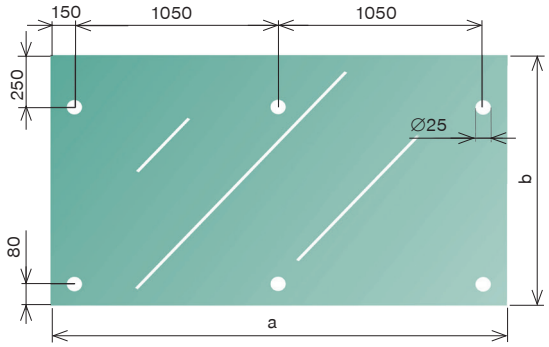
6



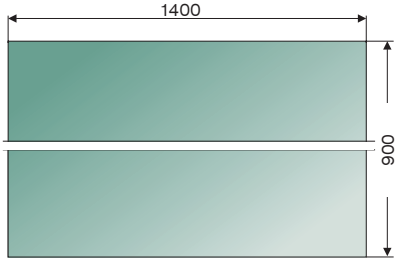




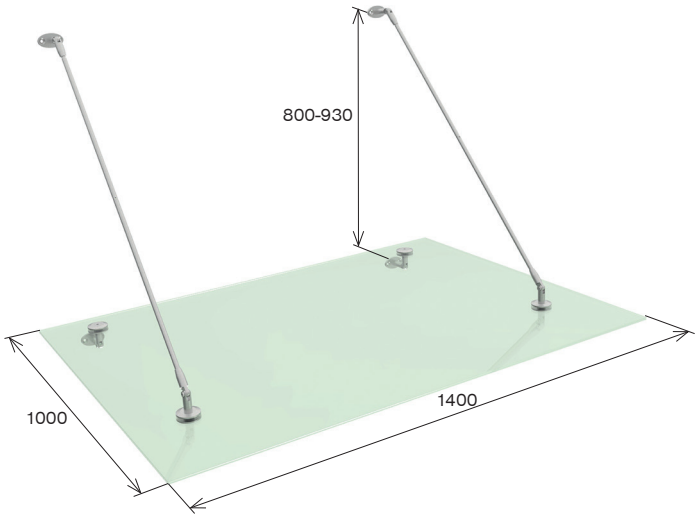
Quality	Color	art.	a	b	h	
VSG/ESG		GS/12,76-140x100-clear	1400	1000	800-930	A14/PR12-1000-M12
		GS/12,76-140x100-blue				
		GS/12,76-140x100-milk				
		GS/12,76-140x100-yellow				
		GS/12,76-180x120-clear	1800	1200	920-1080	A14/PR12-1250-M12



Quality	Color	art.	a	b	h	
VSG/ESG		GS/12,76-240x120-clear	2400	1200	920-1080	A14/PR12-1250-M12



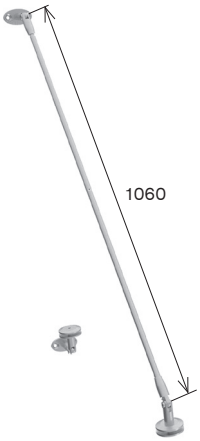
Quality	Color	art.
TVG		GS/10,76-140x90-TVG



Quality	Finish	art.	A14/PR70x40-M12	A14/PR70x40-60	A14/PR-60-M12	A14/PR12-1000-M12	GS/12,76-140x100-clear
AISI316	satin	GS14/PR-R3-M12-set/glass	2x	2x	2x	2x	1x

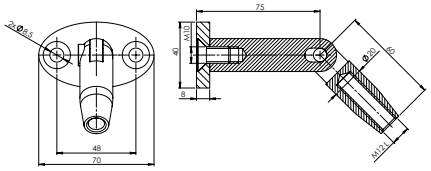
top

GS14/PR-R3-M12-set

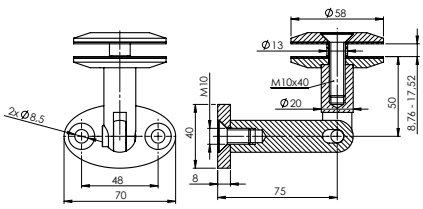


GS14/PR-R3-M12

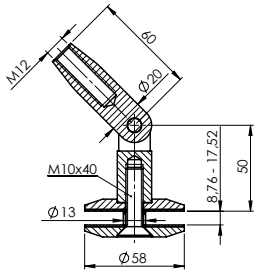
Quality	Finish	art.	A14/PR70x40-M12	A14/PR70x40-60	A14/PR-60-M12	A14/PR12-1000-M12
AISI316	satin	GS14/PR-R3-M12-set	2x	2x	2x	2x
		GS14/PR-R3-M12	1x	1x	1x	1x



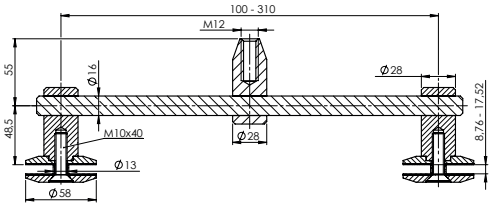
Quality	Finish	art.
AISI316	satin	A14/PR70x40-M12



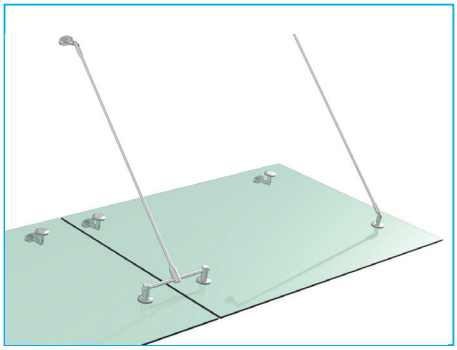
Quality	Finish	art.
AISI316	satin	A14/PR70x40-60

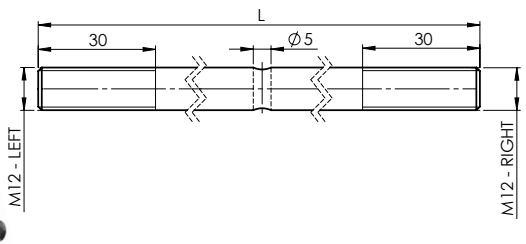


Quality	Finish	art.
AISI316	satin	A14/PR-60-M12



Quality	Finish	art.
AISI316	satin	A14/PR-2x60-M12





Quality	Finish	art.	L
AISI316	satin	A14/PR12-1000-M12	1000
		A14/PR12-1250-M12	1250
		A14/PR12-1500-M12	1500
		A14/PR12-2000-M12	2000

new

STATIC EVALUATION

SITE: **GLASS SHED "GS/PR-R3-M12-set/glass"**

LEVEL: **STATIC EVALUATION**

CUSTOMER NO.: **11-07-67/R3**

1) GENERAL INFORMATION:

The glass shed "GS/PR-R3-M12-set/glass" consists of 2 pieces of hinged supports and 2 pieces of hinged rods. Used intersections are of diameters: rod – 12 mm and hinge – 8 mm, material $R_{p0,2}$ = 190 MPa. Glass 1,0 x 1,4 m is of 2 x 6 (8) mm thickness + foil (GS/12,76 – 140 x100 – VSG/ESG). Anchoring into the walls is according to the materials used in the walls (brick, concrete) – this is dealt with on the site.

Load capacity of one hinged rod is 2,5kN (250 kg), this is the load of the hinge. Total loading capacity of the set (own weight + snow) is 4,0kN, it is 1,0 kN < 2,5 kN for one rod (support). The system of glass shed is sufficient.

2) CONCLUSION:

The system of the glass shed (support and rod) is sufficient according to the static calculation, valid norms and technical requirements. It is necessary to follow the system of anchoring and montage advised by the producer and valid regulations during realization.

Prešov, 10.2013 Ing. POLÁK Jozef

BOLTS UNDER SLIP STRESS

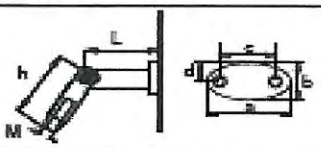
Resistance against cut: Ø8 mm

$Fv_1Rd = 0,5 . f_{ub} . A_s / \Upsilon M2$

$Fv_1Rd = 0,5 . 190 . 50,27 / 1,25$

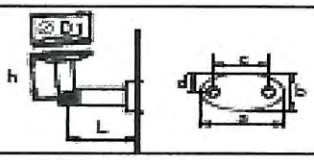
$Fv_1Rd = 3,82$ kN

- F_{ub} (measure of the material firmness)
- A_s (area of linking agent under stress of strain)
- ΥM2 (partial coefficient)

SET		GS/PR-R3-M12
		A/PR70x40-M12

AISI304	satin	Dimensions	M	L	h	a	b	c	d
		mm	12	70-78	60	70	40	40	20

+

		A/PR70x40-80
		

AISI304	satin	Dimensions	∅ D	h	L	a	b	c	d
		mm	50	80	70-78	70	40	40	20

+

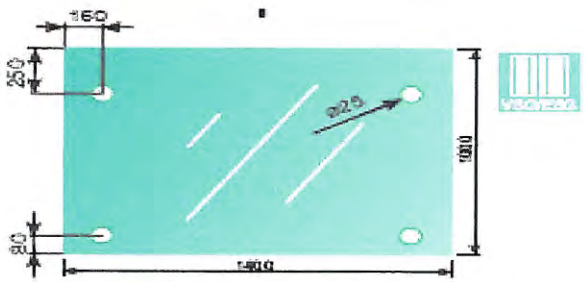
		A/PR-80-M12
		

AISI304	satin	Dimensions	∅ D1	M	h	L
		mm	80	12	50	60

+

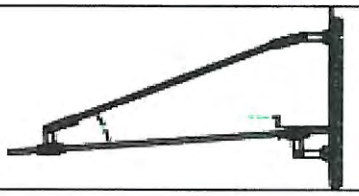
		A/PR12-1000-M12
		

AISI304	satin	Dimensions	M	L	∅ d
		mm	12	1000	12



GS/12,76-140x100-VSG/ESG

=

	GS/PR-R3-M12 -set/glass