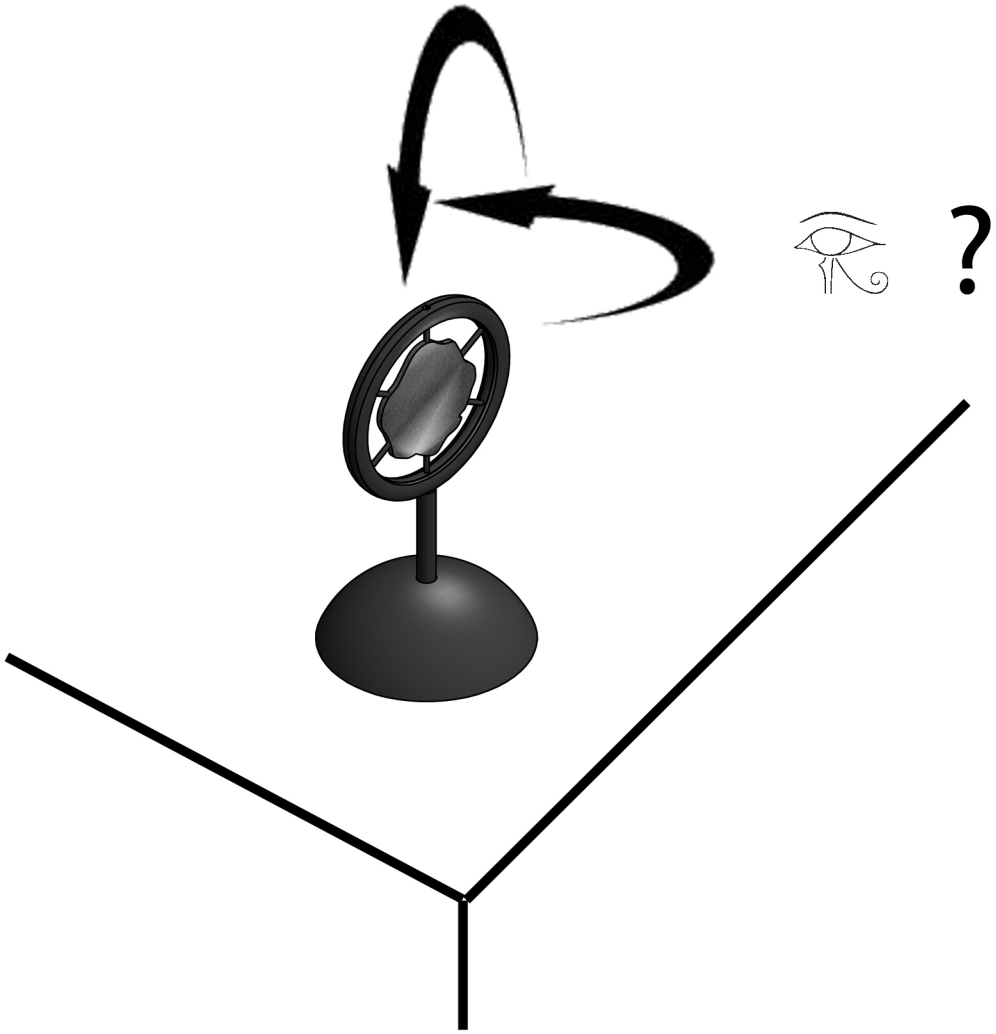
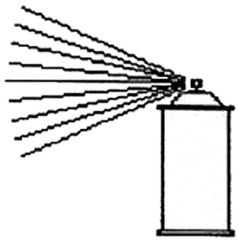
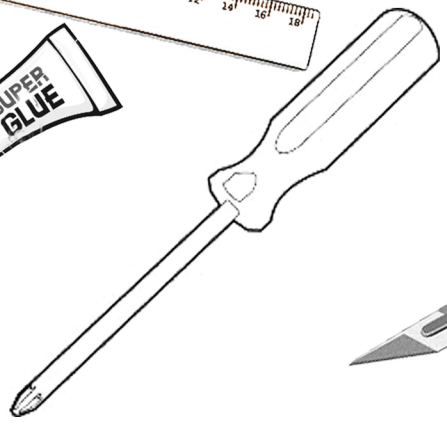
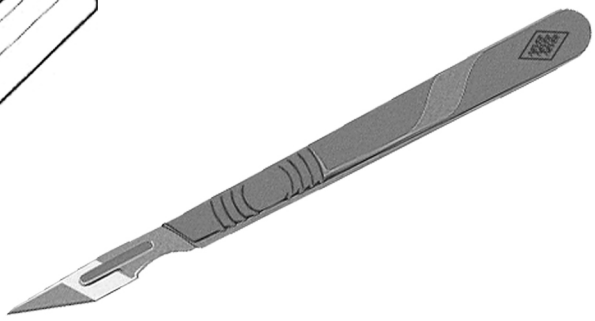
Museum Rotary Display System

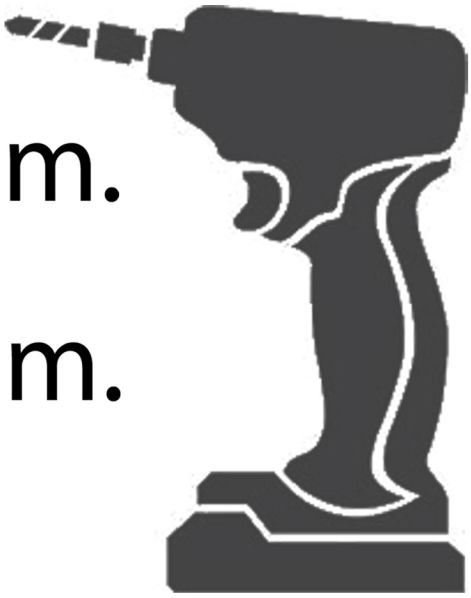


? +4122 300 1955





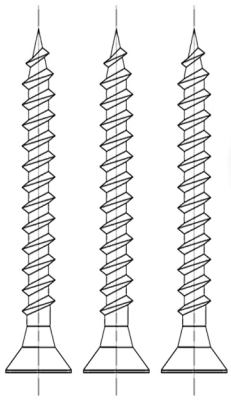


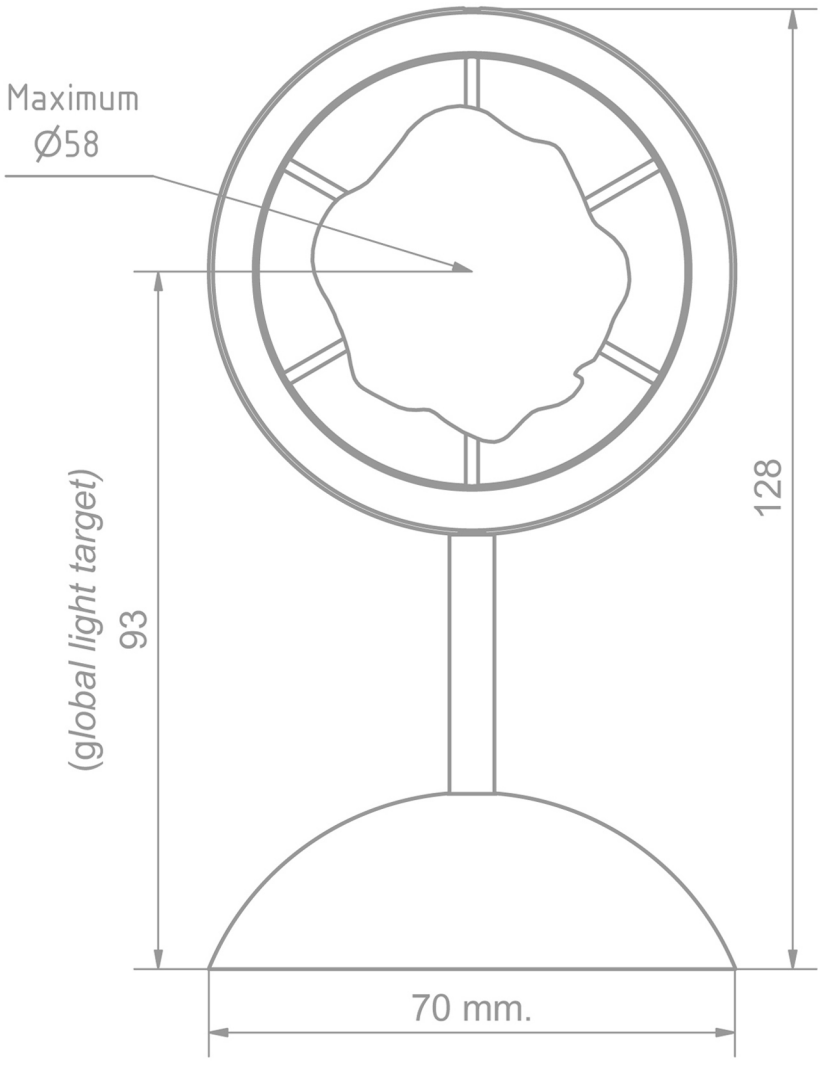


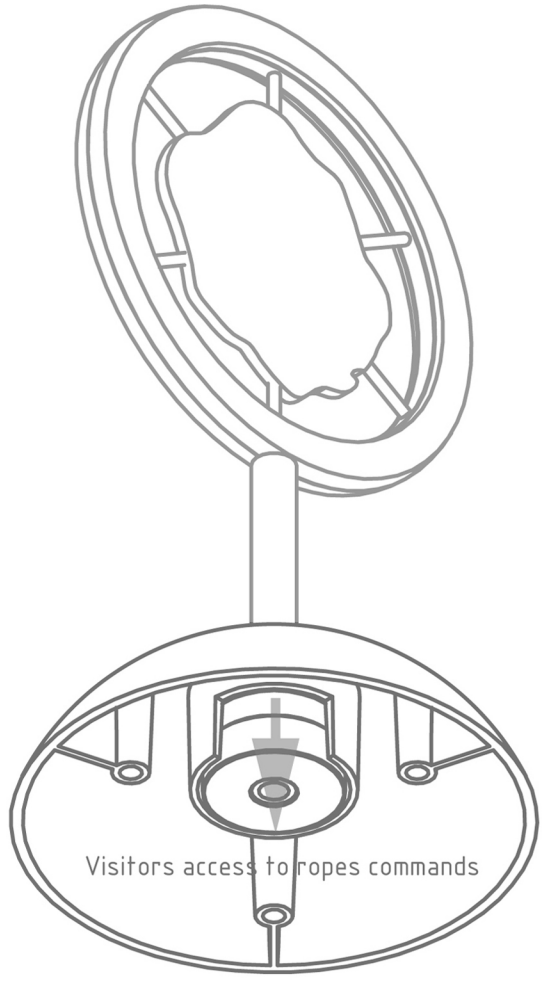
ø 3,5 mm.

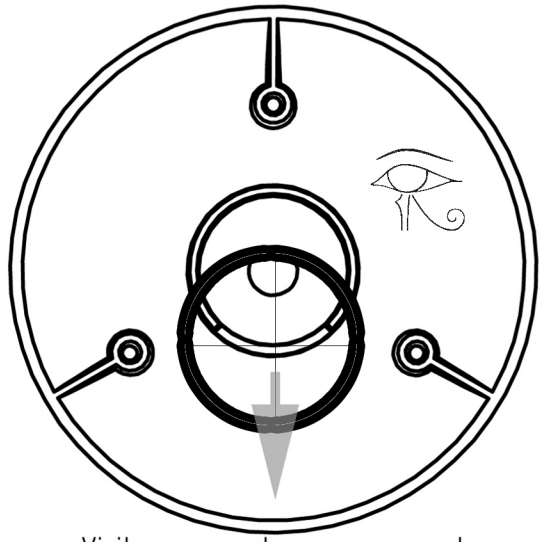
ø 2,5 mm.

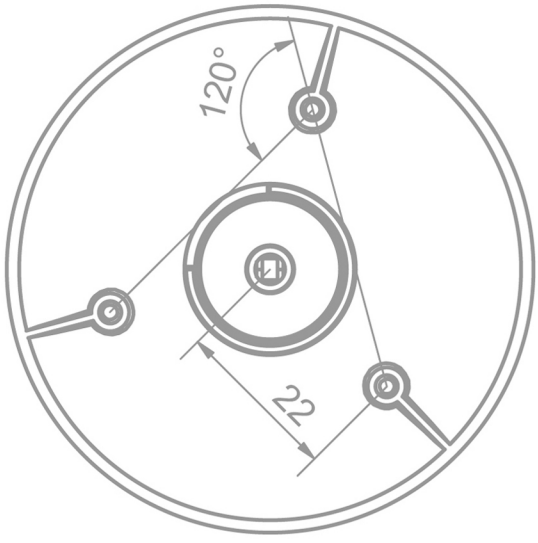
(ø 1,5 mm.)









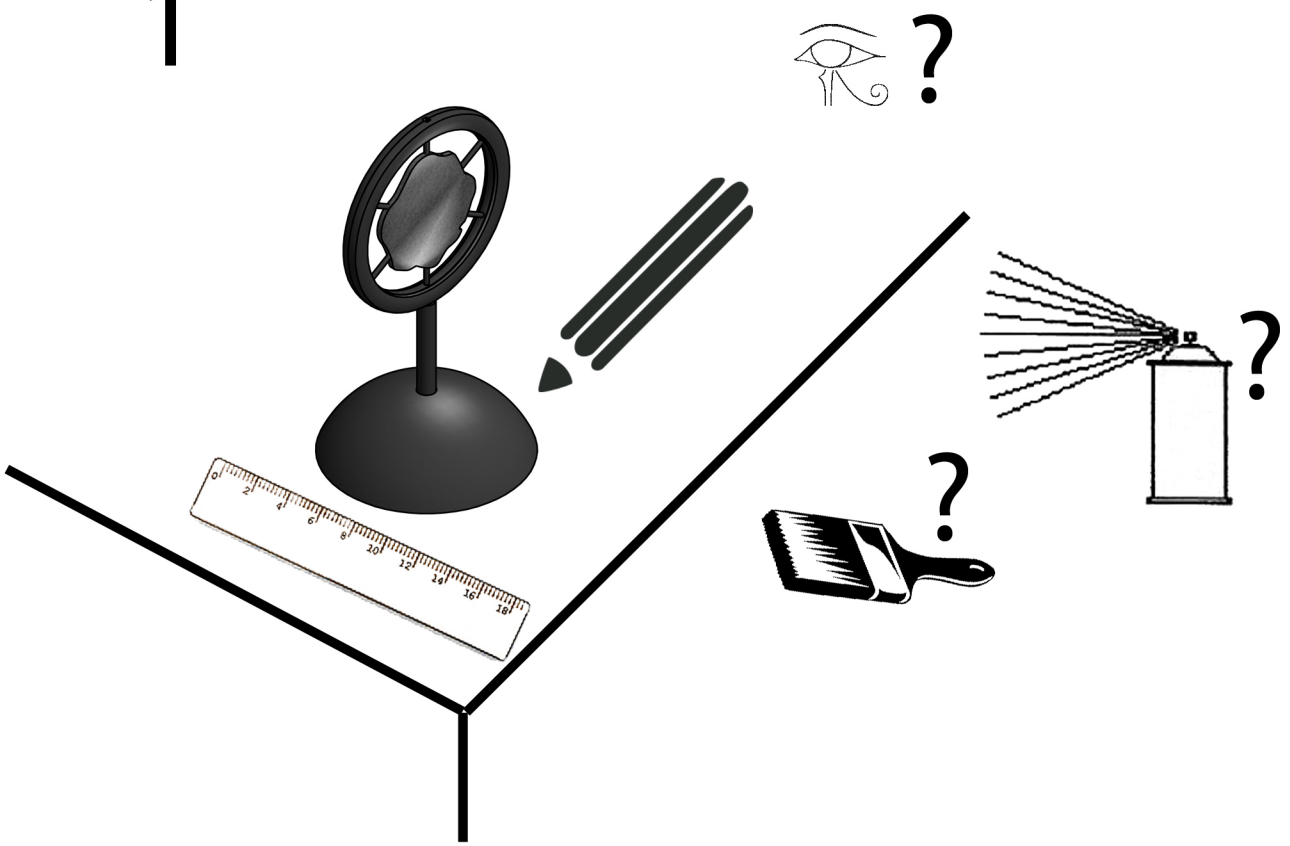


ø7mm

rotarydisplay.com

100%

1



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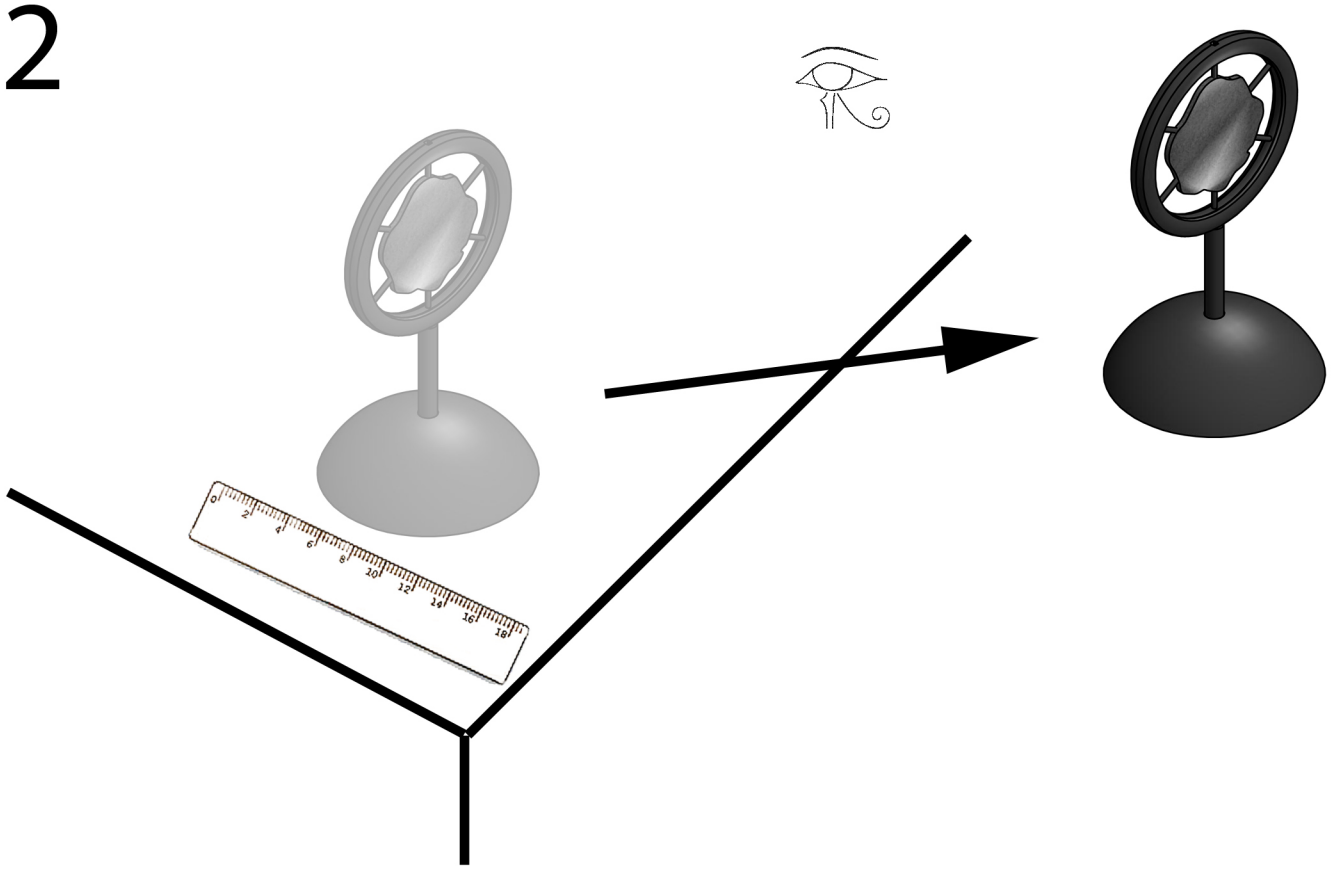

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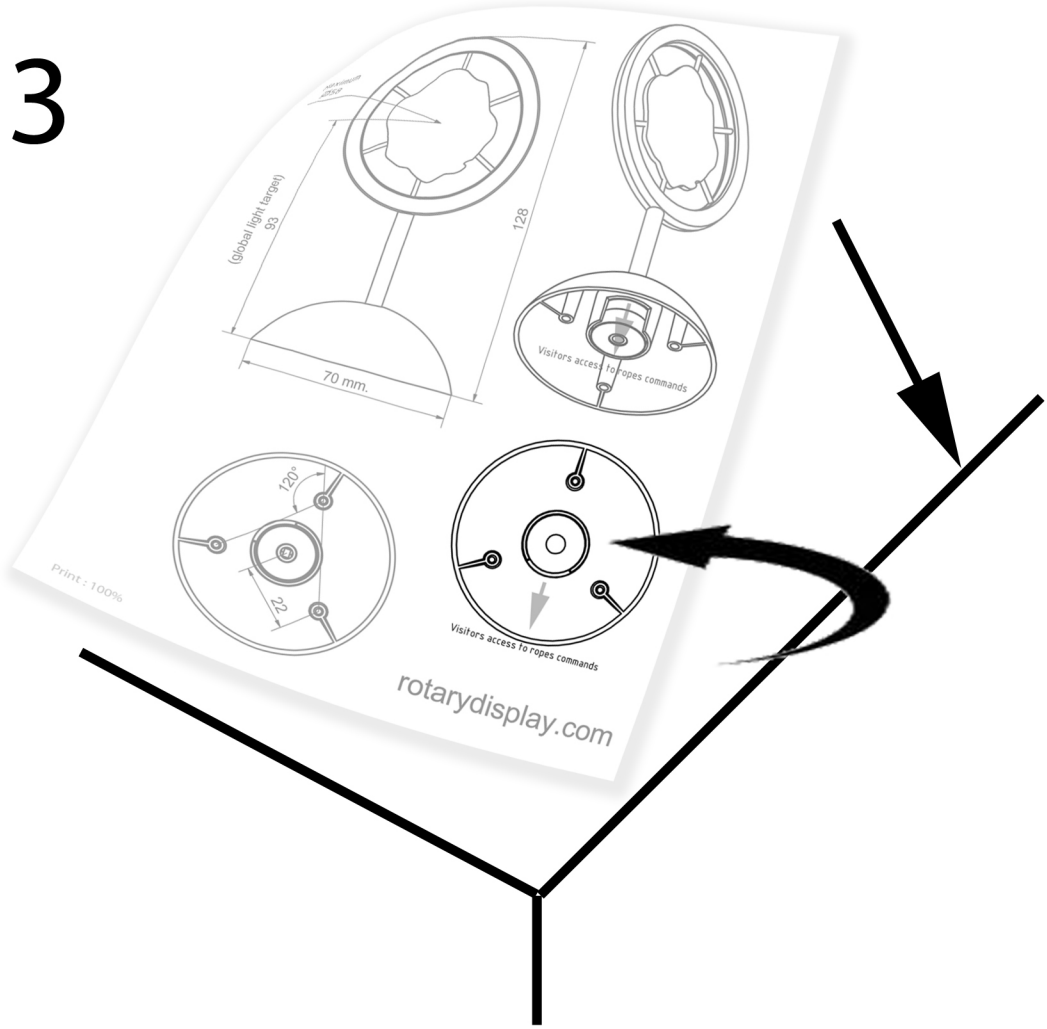

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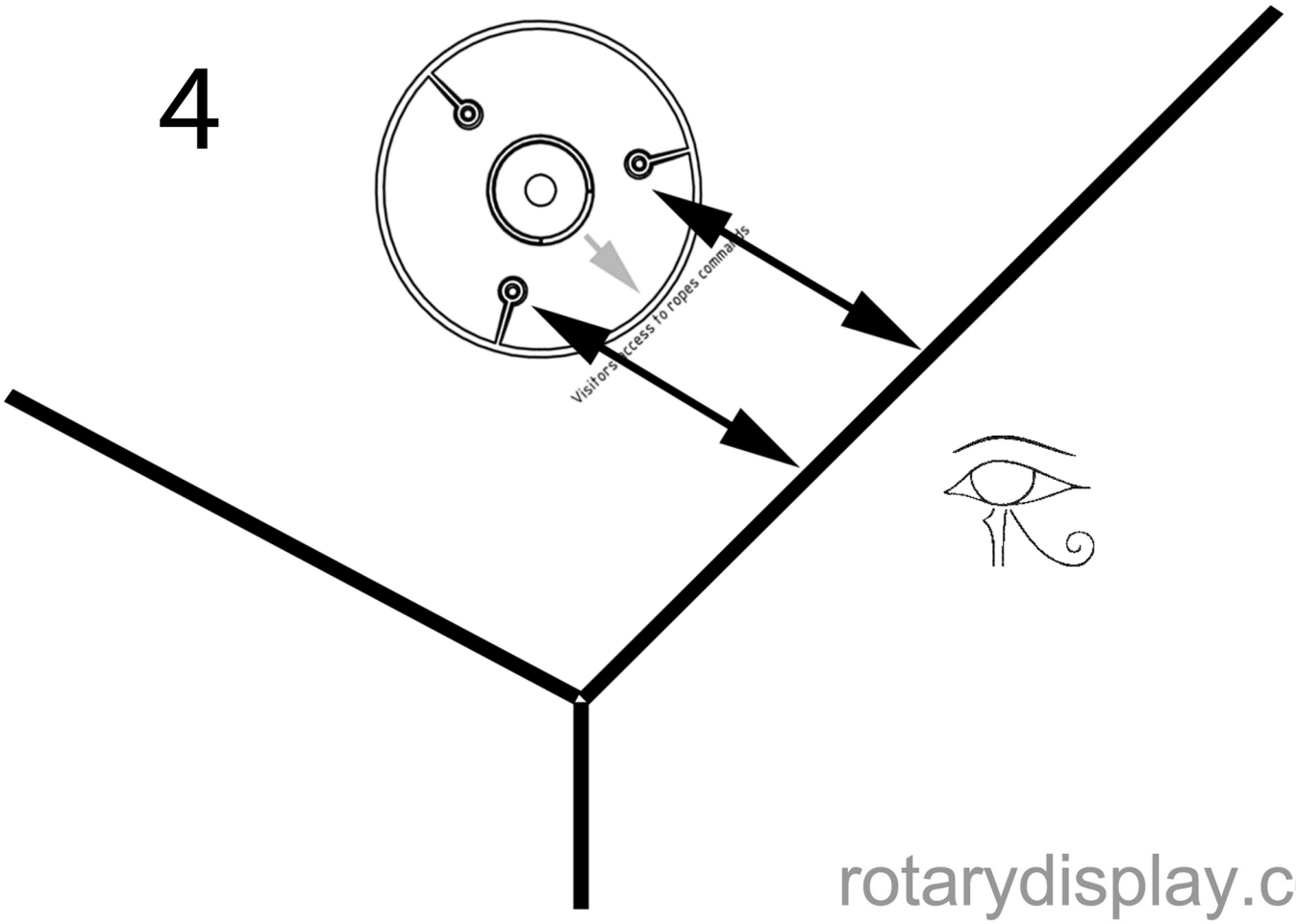
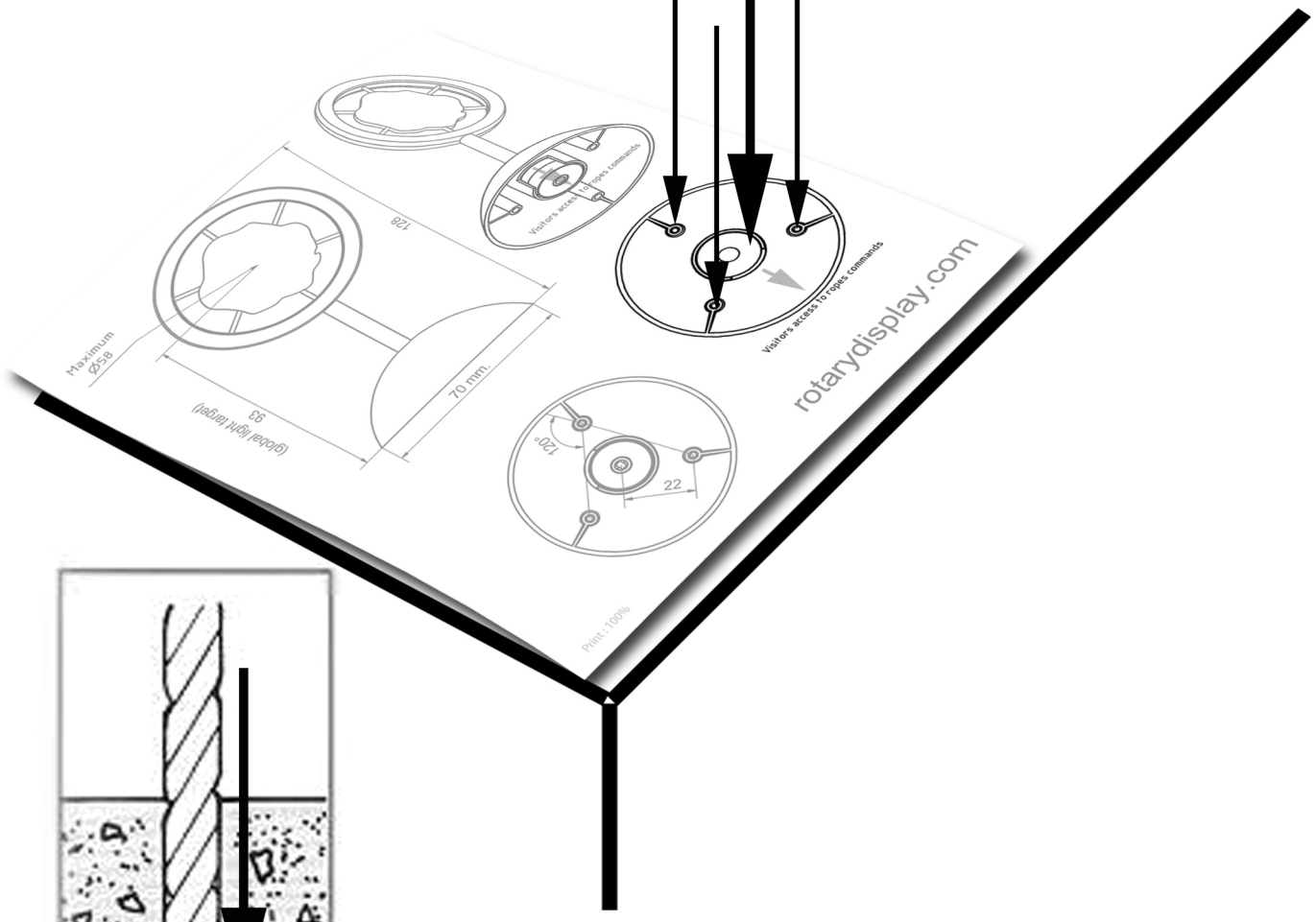


5

3x
ø3,5mm.

1x ø20mm.



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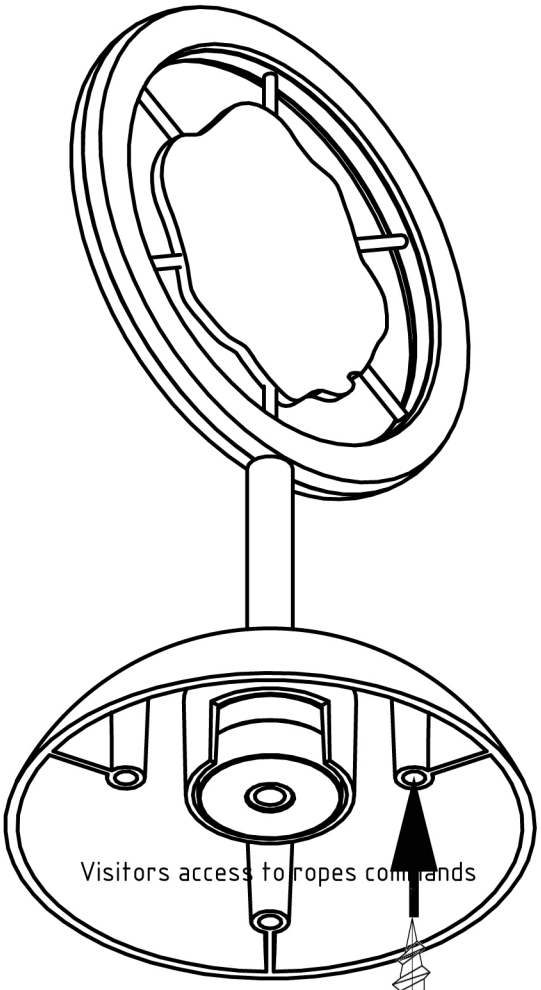

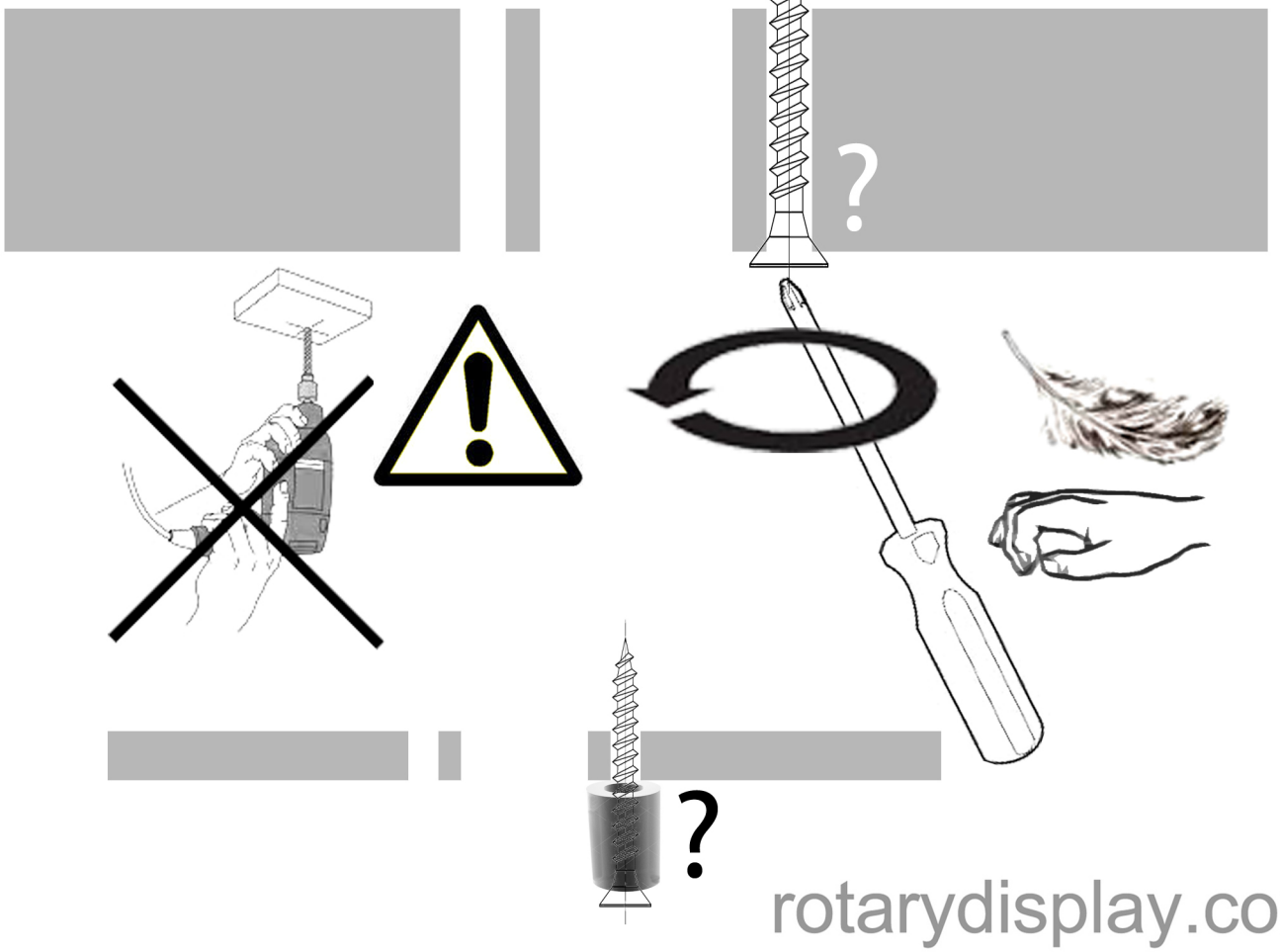

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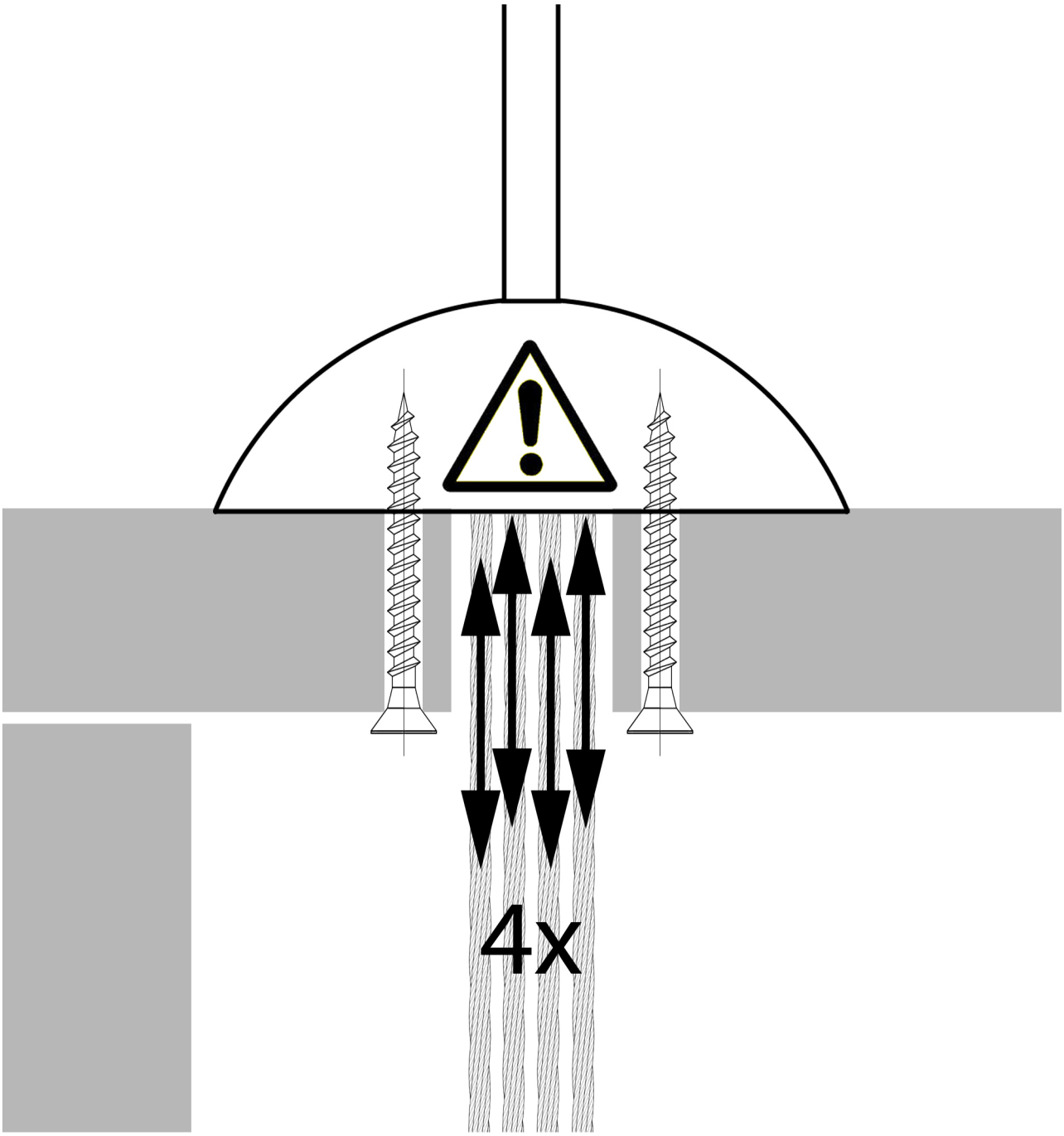

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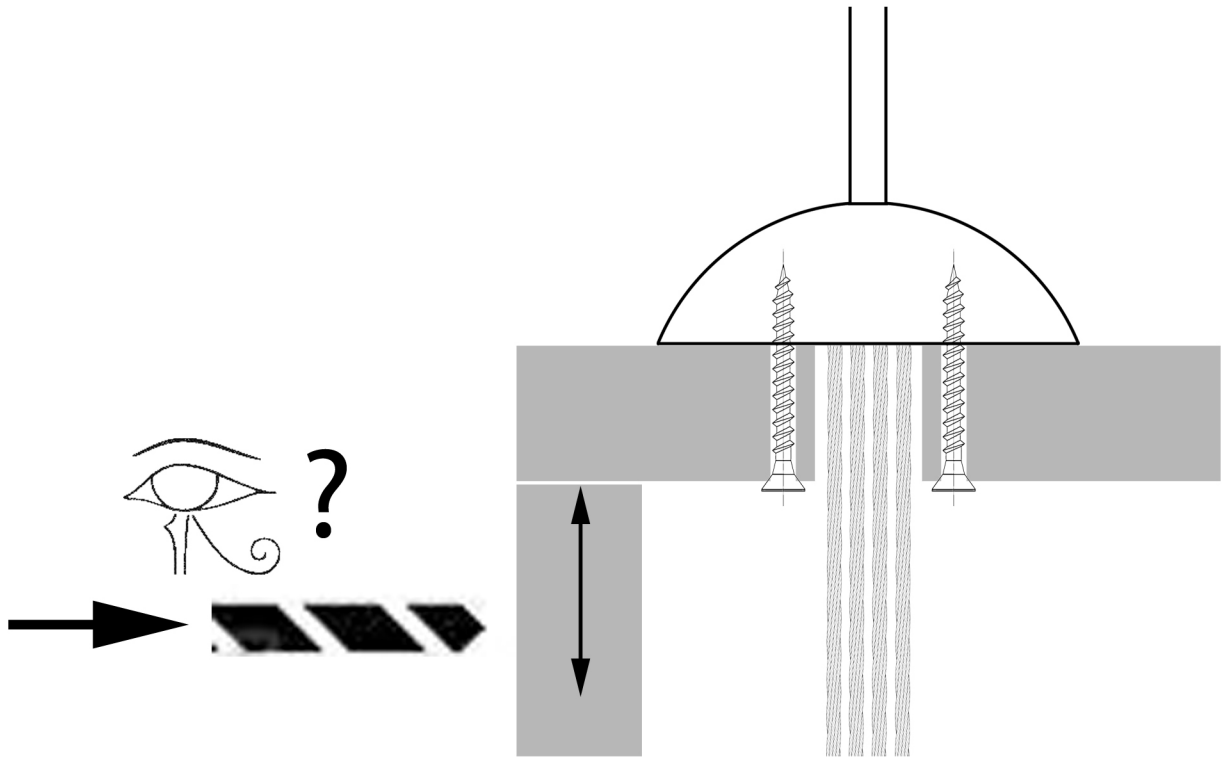
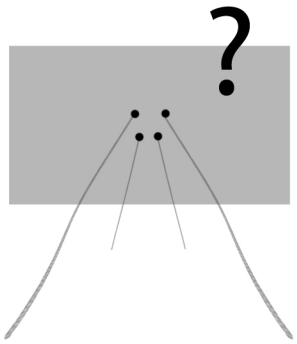
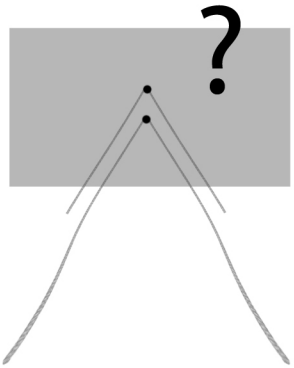
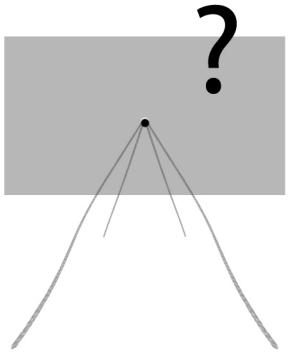


4x ≥ø1,5mm
2x ≥ø2,5mm
1x ≥ø2,5mm
?







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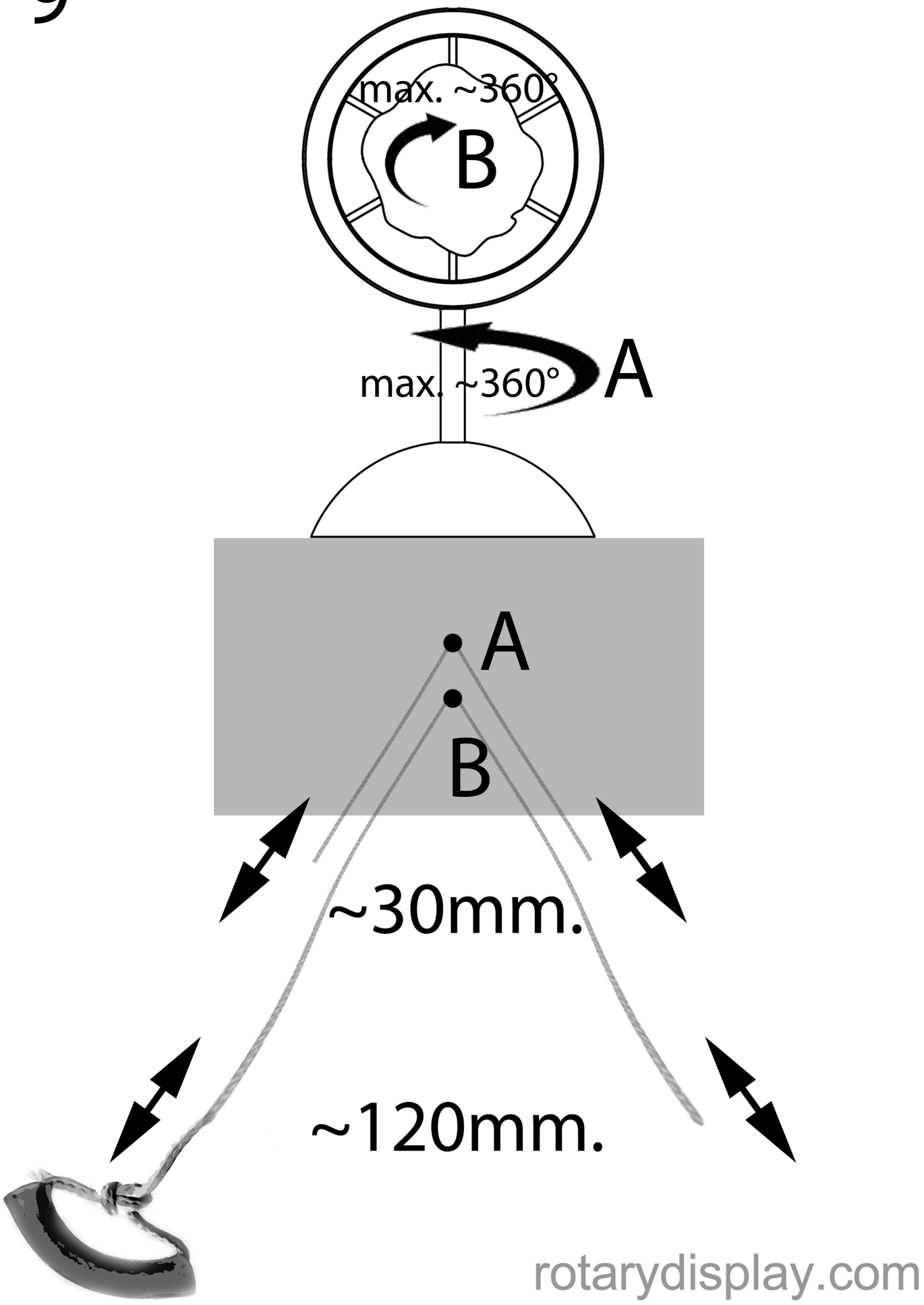

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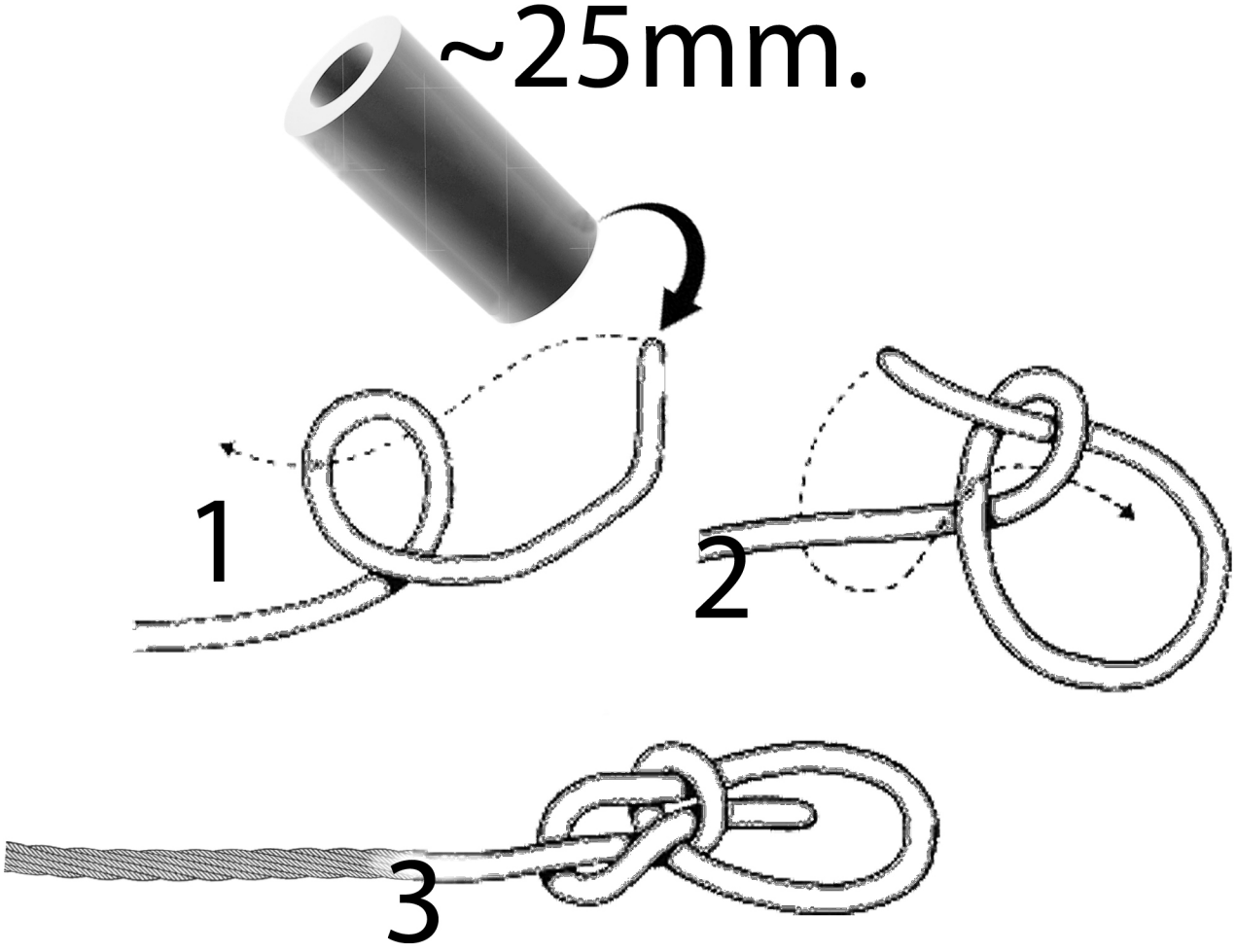
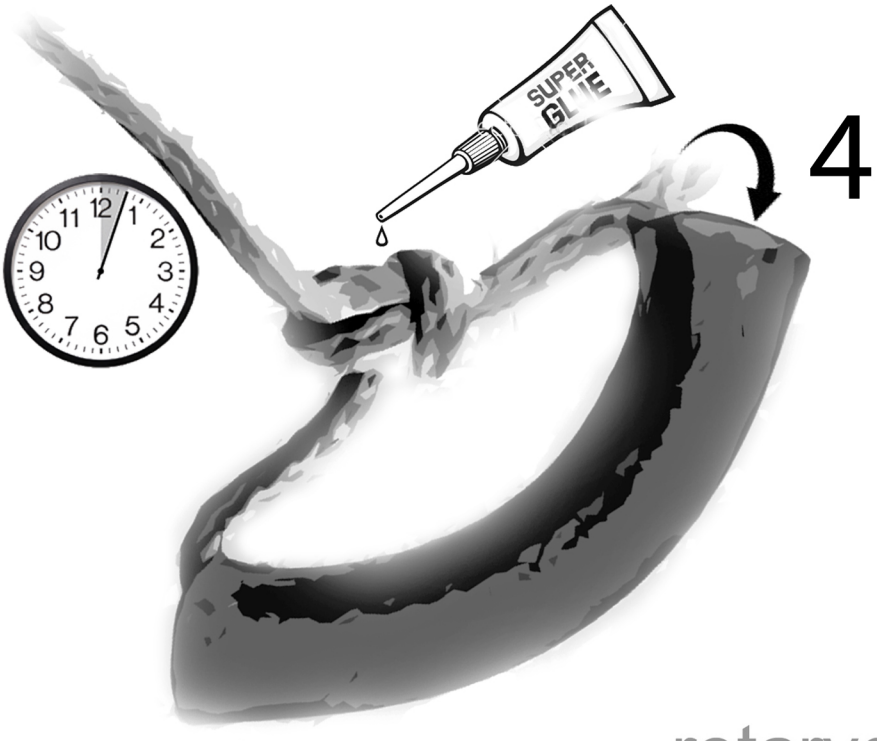
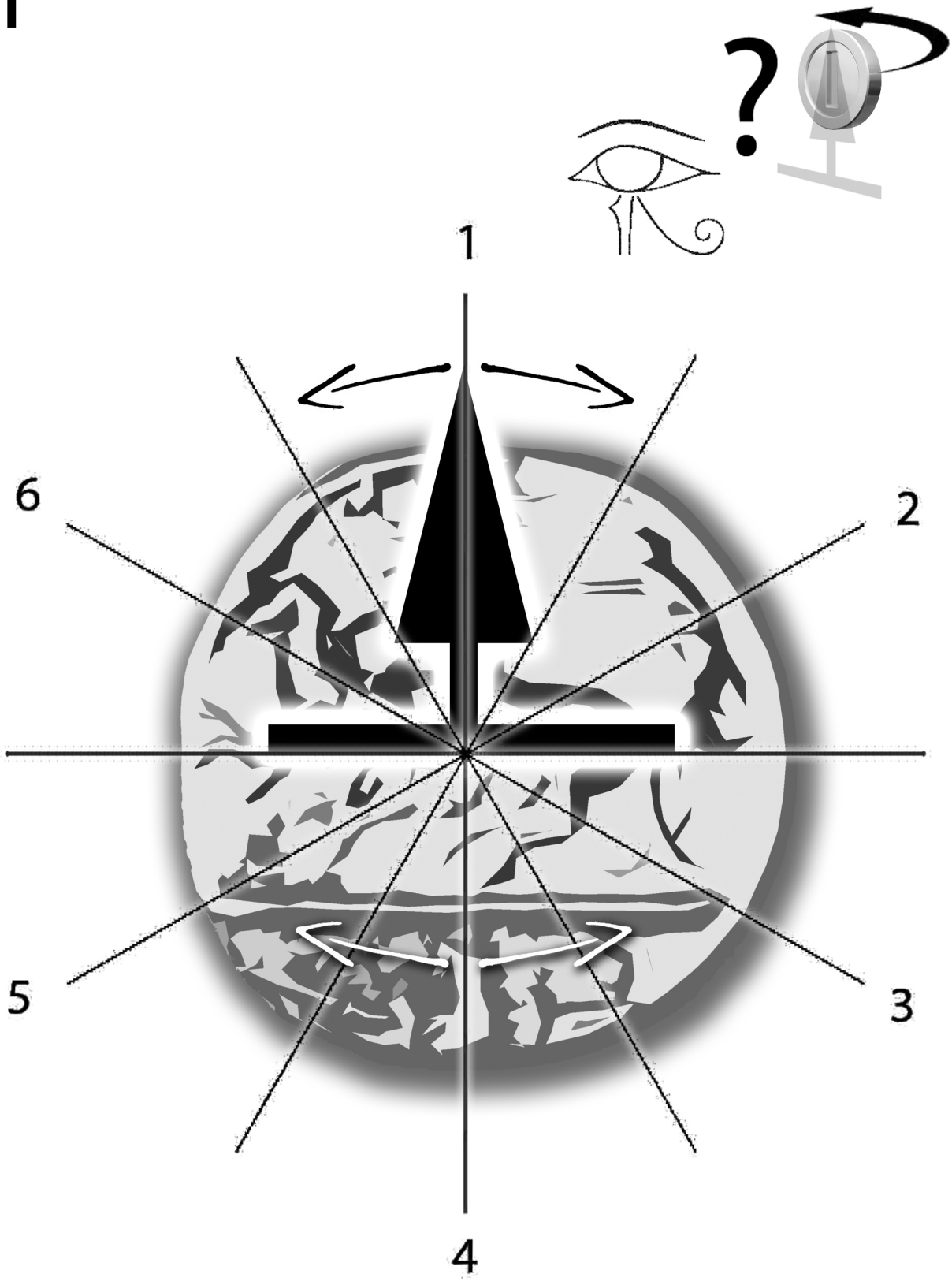




4 X

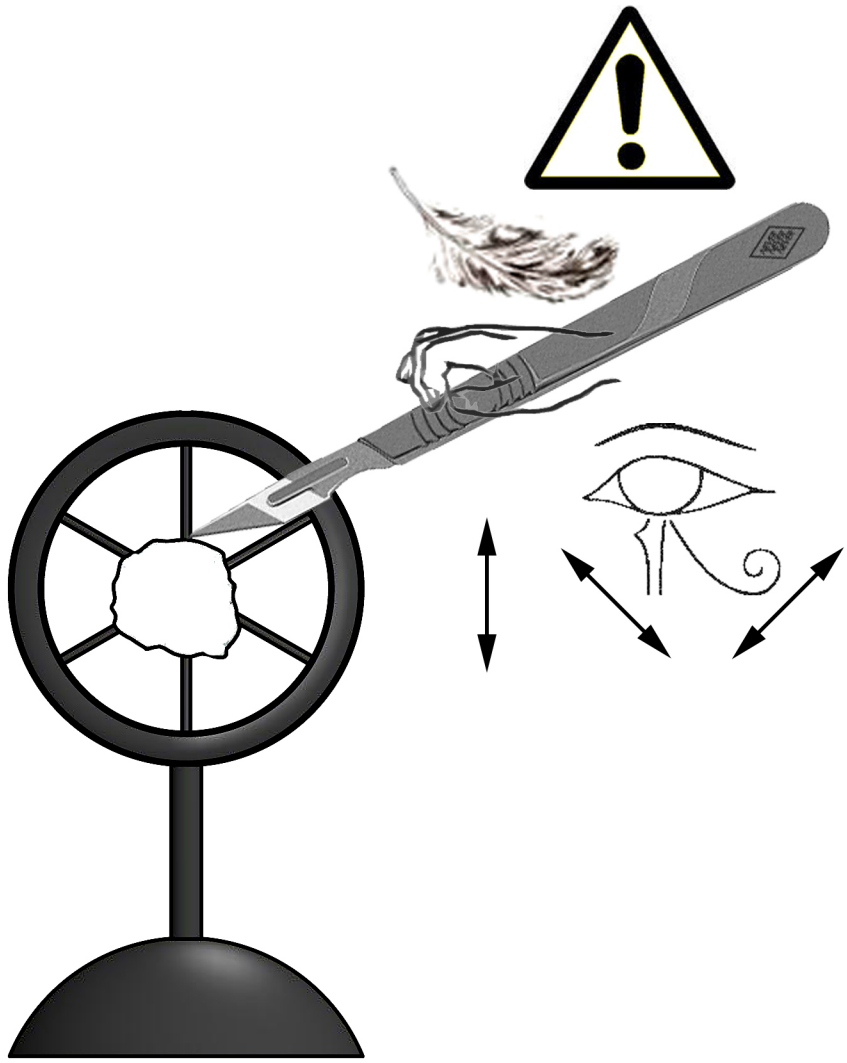
11



? +4122 300 1955

12

A



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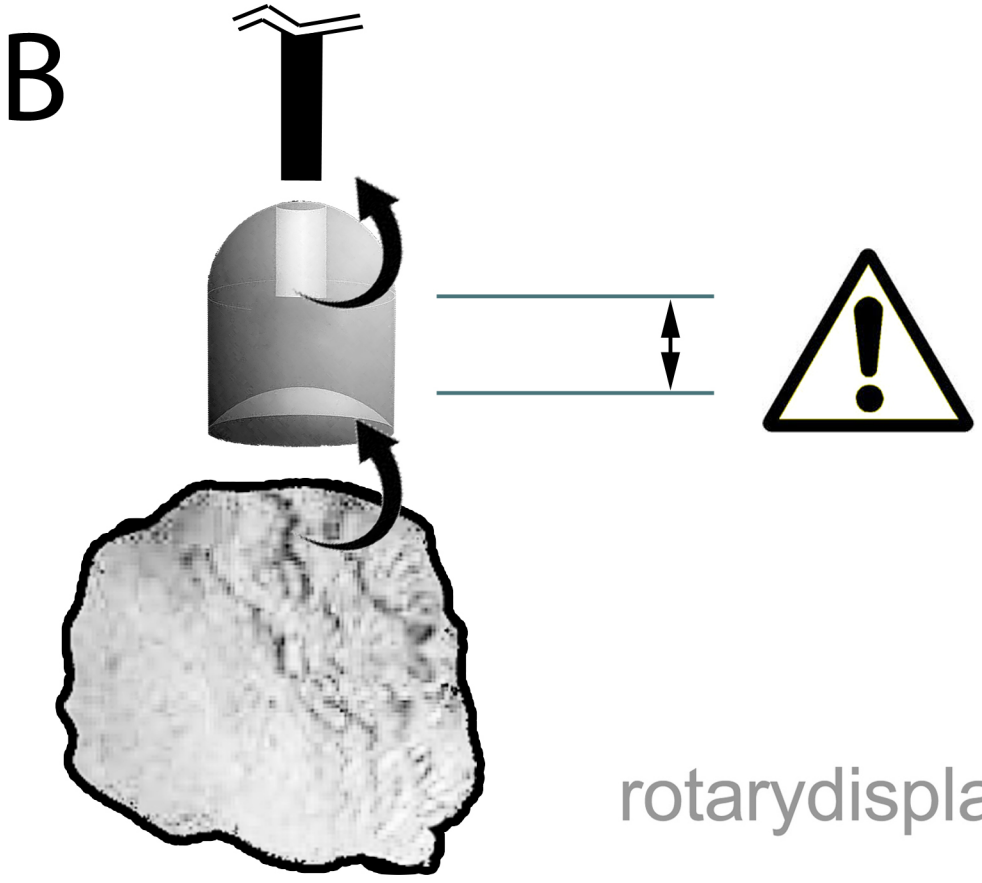

12’

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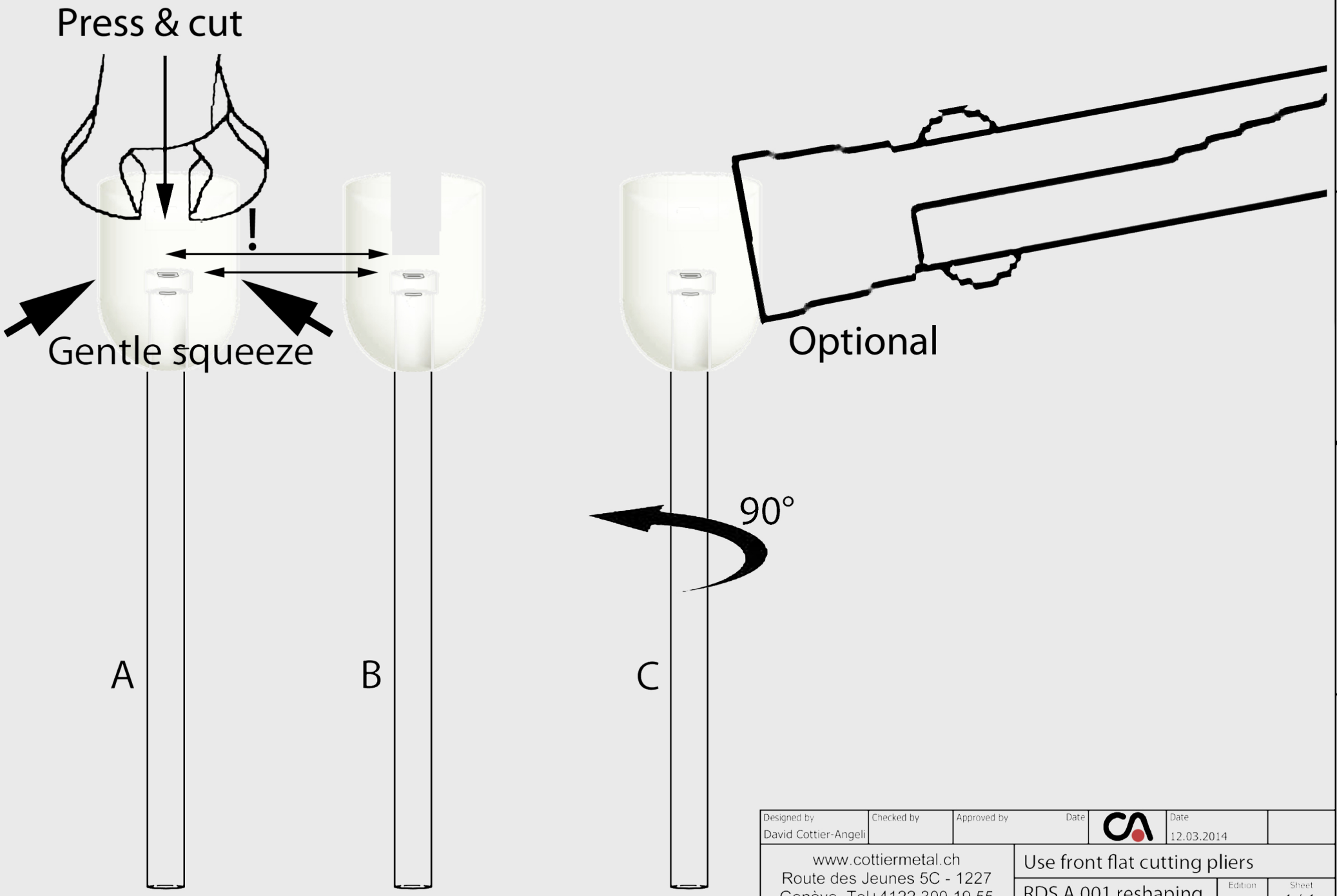

Designed by	Checked by	Approved by	Date		Date	
David Cottier-Angeli					12.03.2014	

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Genève Tel+4122 300 19 55

Use front flat cutting pliers

RDS.A.001 reshaping

Edition

Sheet 1 / 1

DAVID COTTIER-ANGELI
ALLIAGES · BIJOUX · EXPERTISES · RESTAURATION
Membre associé de la Chambre suisse des experts judiciaires techniques et scientifiques

6 X 

Product data

Property	Test method	Unit	Value
Color			Clear
Density at 23 °C	ISO 2781	[g/cm³]	0.97
Penetration (150 g hollow cone)	DIN ISO 2137	[mm/10]	300
Dielectric strength	IEC 243	[kV/mm]	23
Volume resistivity	IEC 93	[Ωcm]	10^{16}
Dielectric constant	VDE 0303 T4 / 50 Hz	[ε_r]	2.7
Dissipation factor	VDE 0303 T4 / 50 Hz	[tan δ]	10×10^{-4}
Tracking resistance	DIN IEC 112	[CTI]	> 600
Surface resistivity	DIN IEC 93	[Ω]	10^{14}
Refractive index	n_D^{25}		1.404
Cured for 30 min at 150 °C in circulating air oven.			

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty either express or implied, of the fitness or suitability of the products for a particular purpose.

Geneva, 2014

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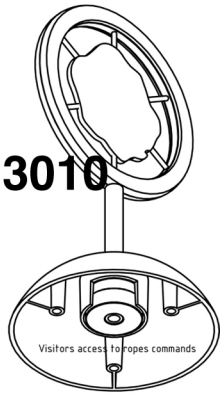

Bayblend FR3010

FR grades / Non reinforced

ISO Shortname

(PC+ABS) blend; unreinforced; flame-retardant; injection molding grade; increased heat resistance; Vicat/B 120 temperature = 110 °C; UL recognition 94 V-0 (1.5 mm); antimony-, chlorine- and bromine-free flame retardant; glow wire test (GWFI): 960 °C (2.0 mm); improved chemical resistance and stress cracking behavior; successor to FR2010.

	Property	Test Condition	Unit	Standard	Value
	Rheological properties				-
C	Melt volume-flow rate	240 °C; 5 kg	cm³/10 min	ISO 1133	15
	Molding shrinkage, parallel	150x105x3 mm; 240 °C / MT 80 °C	%	b.o. ISO 2577	0.5 - 0.7
	Molding shrinkage, normal	150x105x3 mm; 240 °C / MT 80 °C	%	b.o. ISO 2577	0.5 - 0.7
	Melt viscosity	1000 s^{-1}; 260 °C	Pa·s	b.o. ISO 11443-A	245
	Mechanical properties (23 °C/50 % r. h.)				
C	Tensile modulus	1 mm/min	MPa	ISO 527-1,-2	2700
C	Yield stress	50 mm/min	MPa	ISO 527-1,-2	60
C	Yield strain	50 mm/min	%	ISO 527-1,-2	4.0
	Stress at break	50 mm/min	MPa	ISO 527-1,-2	50
	Strain at break	50 mm/min	%	b.o. ISO 527-1,-2	> 50
	Izod impact strength	23 °C	kJ/m²	ISO 180-U	N
	Izod notched impact strength	23 °C	kJ/m²	ISO 180-A	35
	Izod notched impact strength	-30 °C	kJ/m²	ISO 180-A	10
	Thermal properties				
C	Temperature of deflection under load	1.80 MPa	°C	ISO 75-1,-2	90
C	Temperature of deflection under load	0.45 MPa	°C	ISO 75-1,-2	100
C	Vicat softening temperature	50 N; 50 °C/h	°C	ISO 306	108
	Vicat softening temperature	50 N; 120 °C/h	°C	ISO 306	110
C	Coefficient of linear thermal expansion, parallel	23 to 55 °C	10^{-4}/K	ISO 11359-1,-2	0.76
C	Coefficient of linear thermal expansion, transverse	23 to 55 °C	10^{-4}/K	ISO 11359-1,-2	0.8
C	Burning behavior UL 94 (1.5 mm) [UL recognition]	1.5 mm	Class	UL 94	V-0
C	Burning behavior UL 94-5V [UL recognition]	2.0 mm	Class	UL 94	5VB
	Burning behavior UL 94-5V [UL recognition]	3.0 mm	Class	UL 94	5VA
	Electrical properties (23 °C/50 % r. h.)				
C	Relative permittivity	100 Hz	-	IEC 60250	3.2
C	Relative permittivity	1 MHz	-	IEC 60250	3.1
C	Dissipation factor	100 Hz	10^{-4}	IEC 60250	50
C	Dissipation factor	1 MHz	10^{-4}	IEC 60250	70
C	Volume resistivity		Ohm·m	IEC 60093	1E14
C	Surface resistivity		Ohm	IEC 60093	1E16
C	Electrical strength	1 mm	kV/mm	IEC 60243-1	35
C	Comparative tracking index CTI	Solution A	Rating	IEC 60112	350
	Other properties (23 °C)				
C	Water absorption (saturation value)	Water at 23 °C	%	ISO 62	0.5
C	Water absorption (equilibrium value)	23 °C; 50 % r. h.	%	ISO 62	0.2
C	Density		kg/m³	ISO 1183-1	1180

Disclaimer

General

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee, and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent. Unless specified to the contrary, the property values given have been established on standardized test specimens at room temperature. The figures should be regarded as typical values only and not as binding limiting values. Please note that the properties can be affected by the design of the mold/die, the processing conditions and coloring. With respect to health, safety and environment precautions, the relevant Material Safety Data Sheets (MSDS) and product labels must be observed prior to working with our products.

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