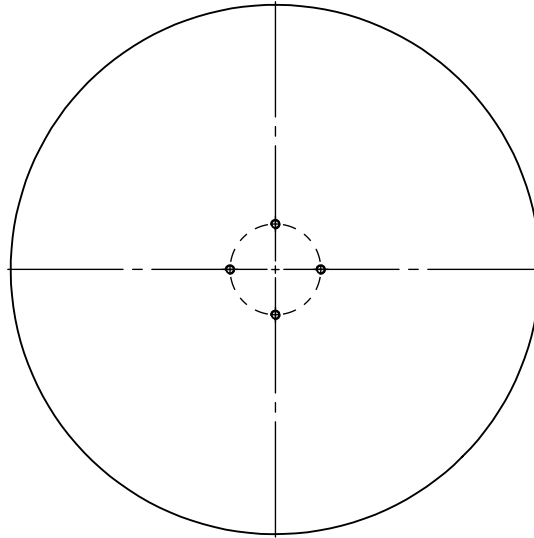
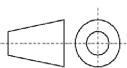
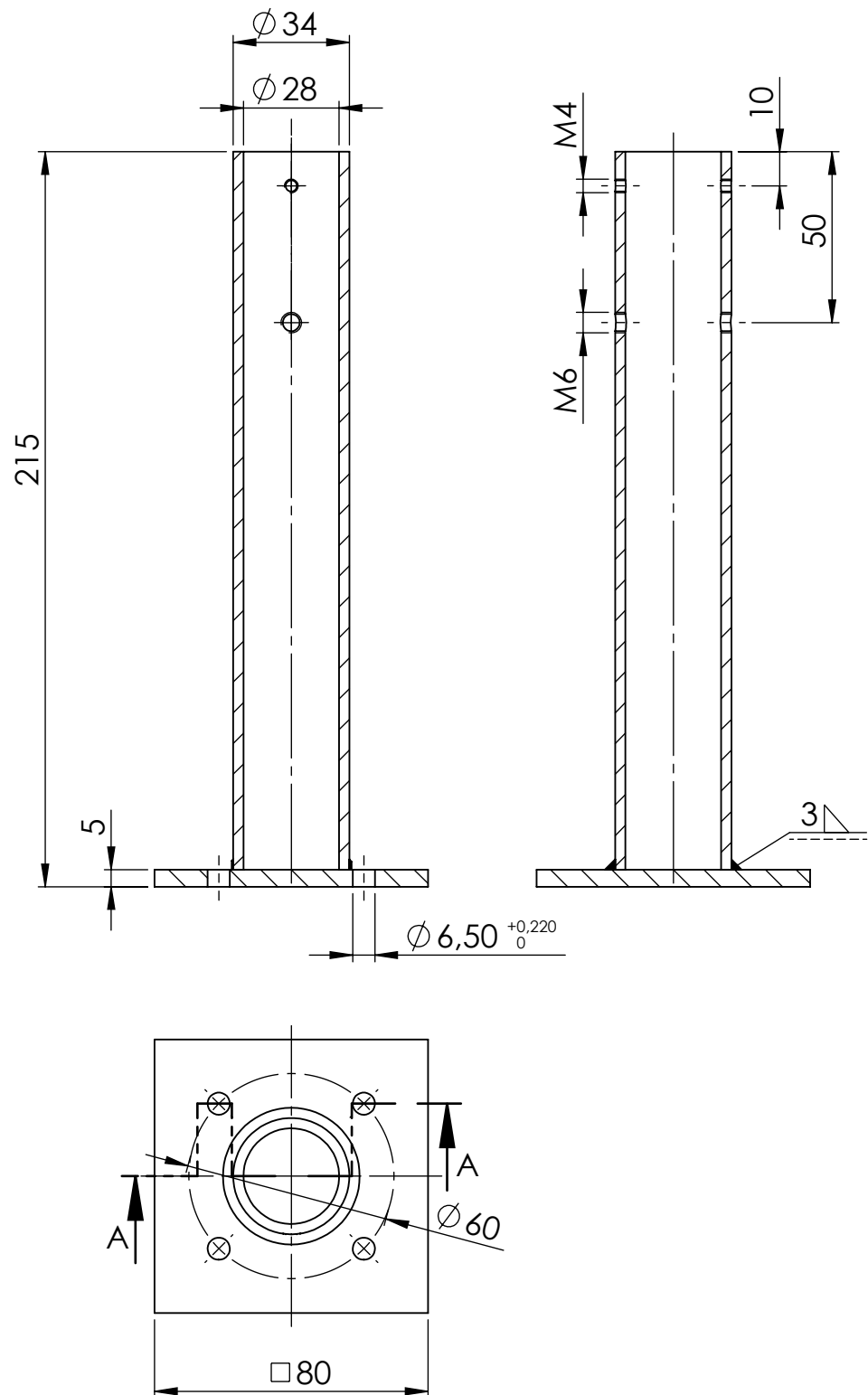
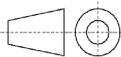
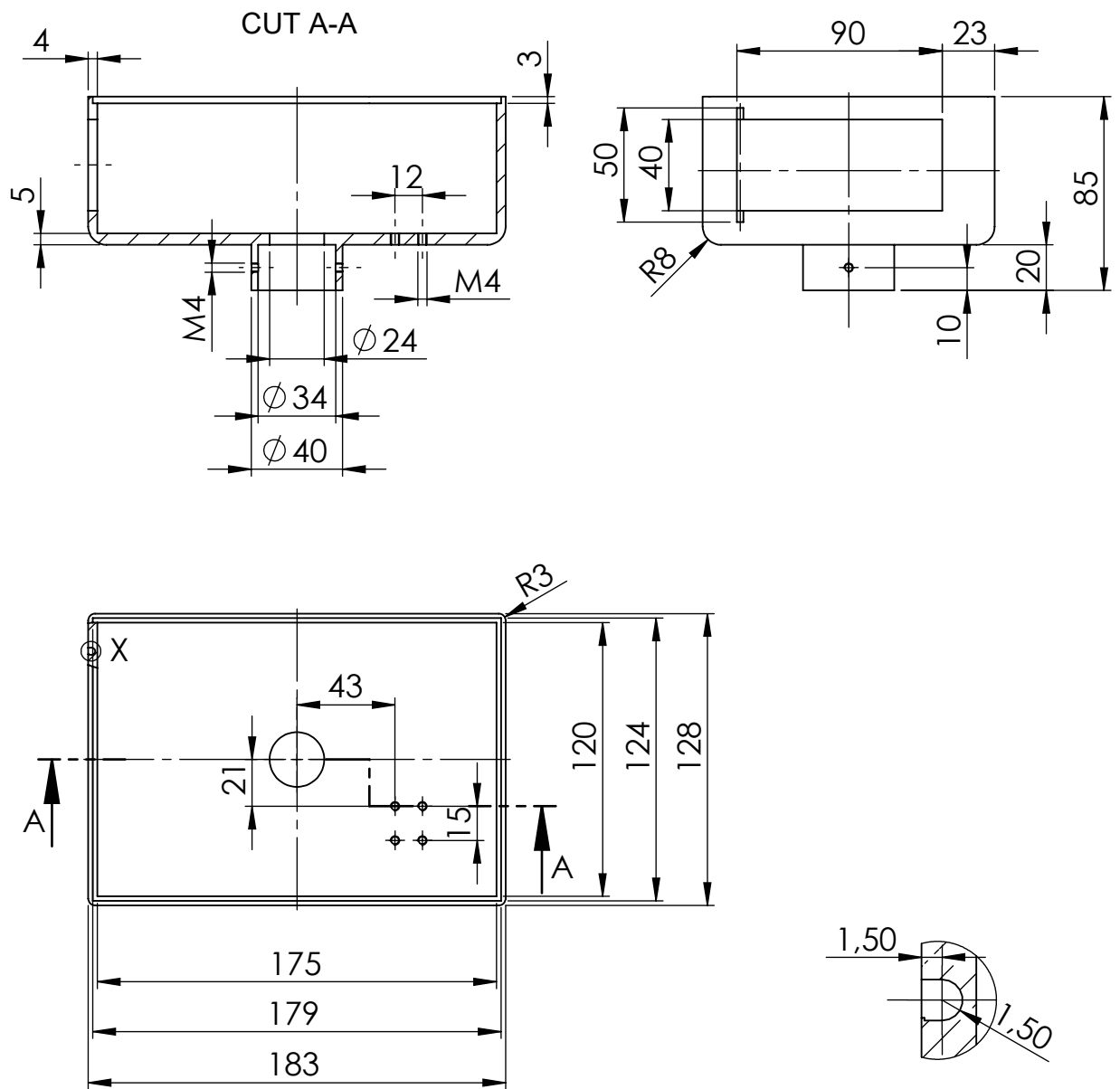


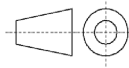
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		 Instituto Superior de Engenharia do Porto					
	Name	Date							
Drawn	EPS TEAM 3	18/06/2017							
Checked			Project's name Self-Oriented Solar Mirror (SUNO)						
Nº of sheet	T3.01.01.A								
Replace at			Sheet's name Circular base						
Replaced by									
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 1 of 26 sheets		
Material	Treatment	Surface finish							
Pine tree	Exterior varnish		490.28	A4	1:5				



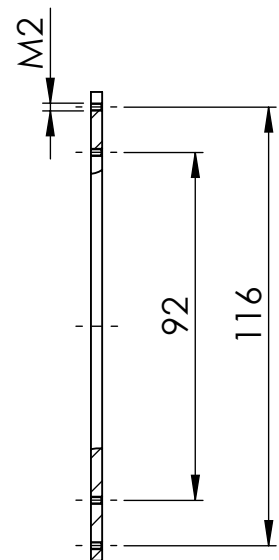
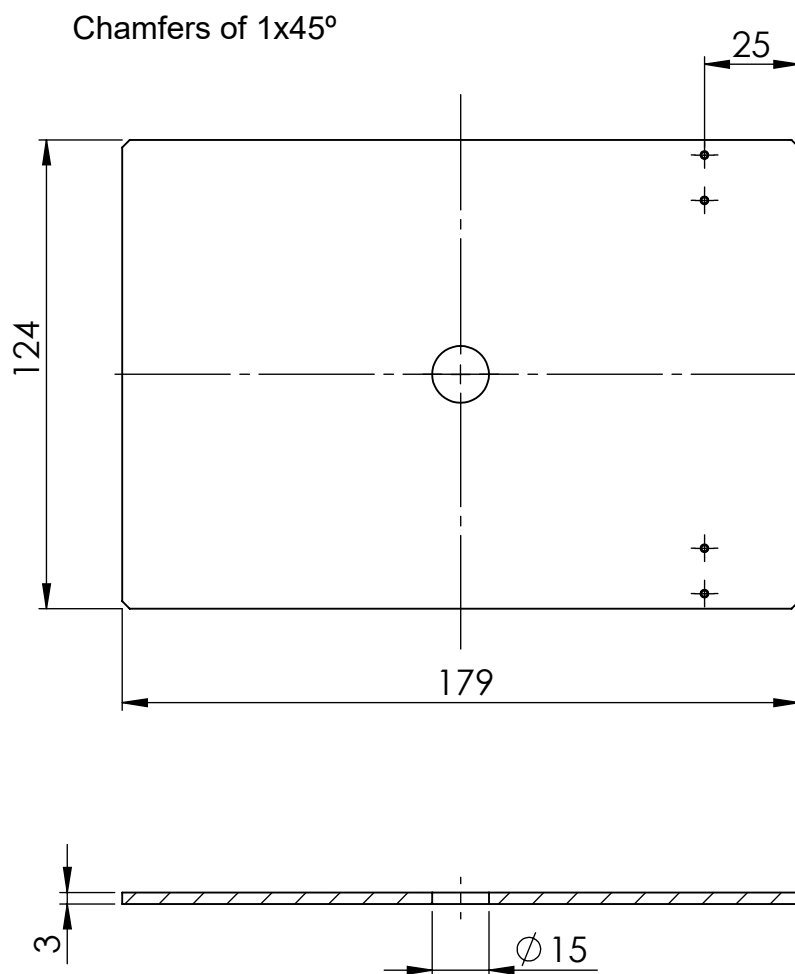
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		 Instituto Superior de Engenharia do Porto					
	Name	Date							
Drawn	EPS TEAM 3	18/06/2017							
Checked			Project's name Self-Oriented Solar Mirror (SUNO)						
Nº of sheet	T3.01.02.A								
Replace at			Sheet's name Central Post						
Replaced by									
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 2 of 26 sheets		
Material	Treatment	Surface finish							
SAE 1015	Shiny brown paint		730.29	A4	1:2				

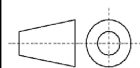
SOLIDWORKS Educational Product. For Instructional Use Only

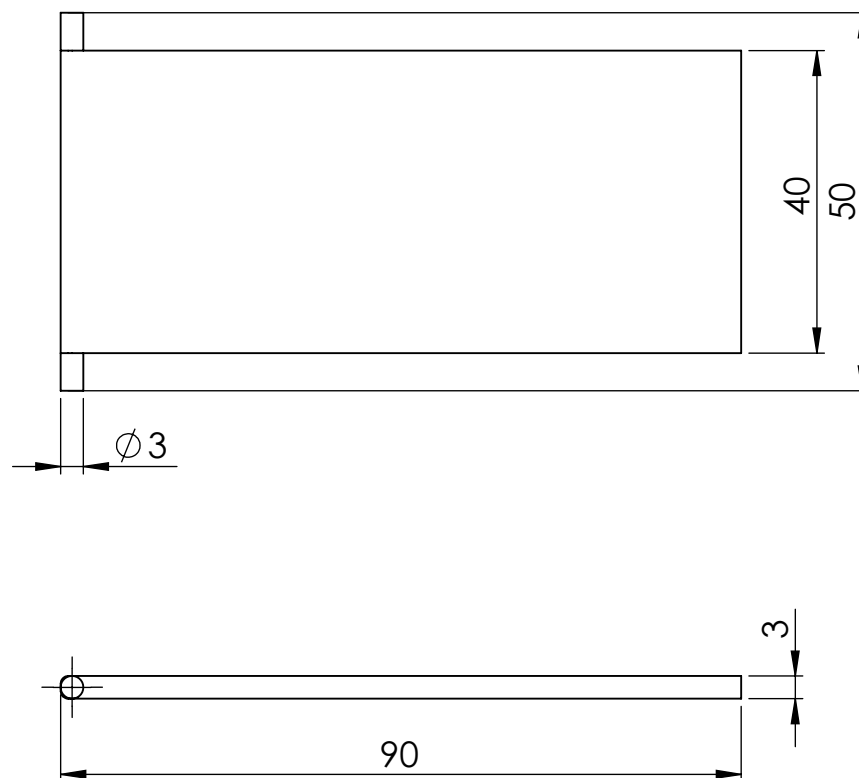


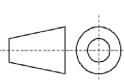
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		isep Instituto Superior de Engenharia do Porto  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.02.01.A							
Replace at				Sheet's name Box				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only								
Material	Treatment	Surface finish		Weight	Format	Scale 1:3 2:1	Sheet 3 of 26 sheets	
PP				213.73	A4			

SOLIDWORKS Educational Product. For Instructional Use Only

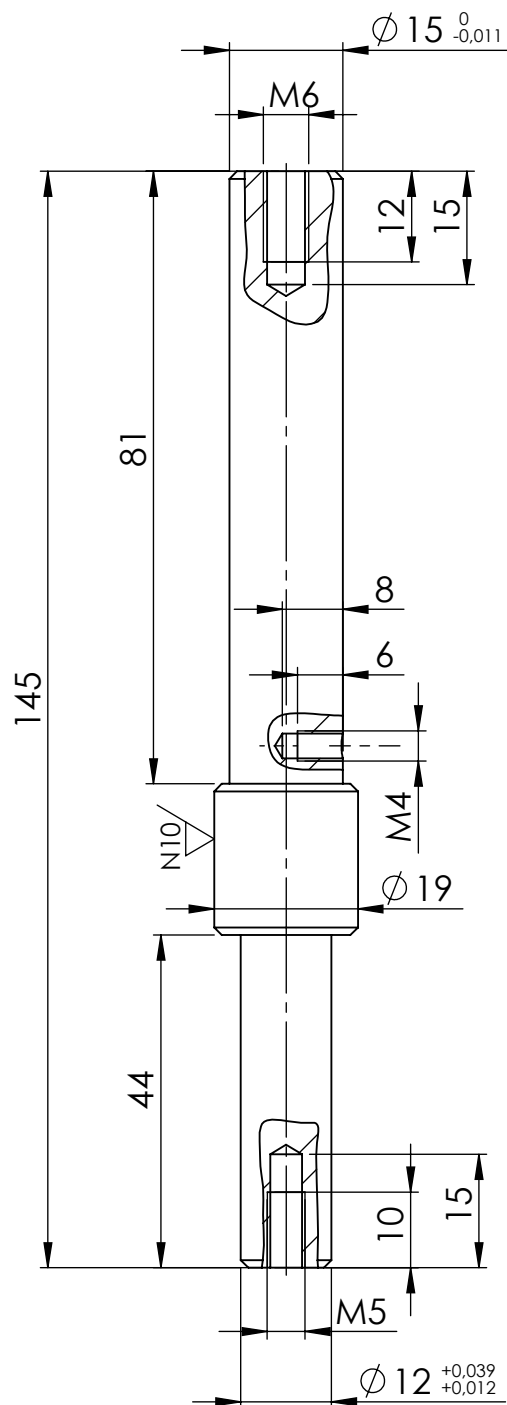


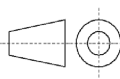
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		isep Instituto Superior de Engenharia do Porto  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.02.02.A							
Replace at				Sheet's name Box Cover				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 4 of 26 sheets	
Material	Treatment	Surface finish		61.59	A4	1:2		



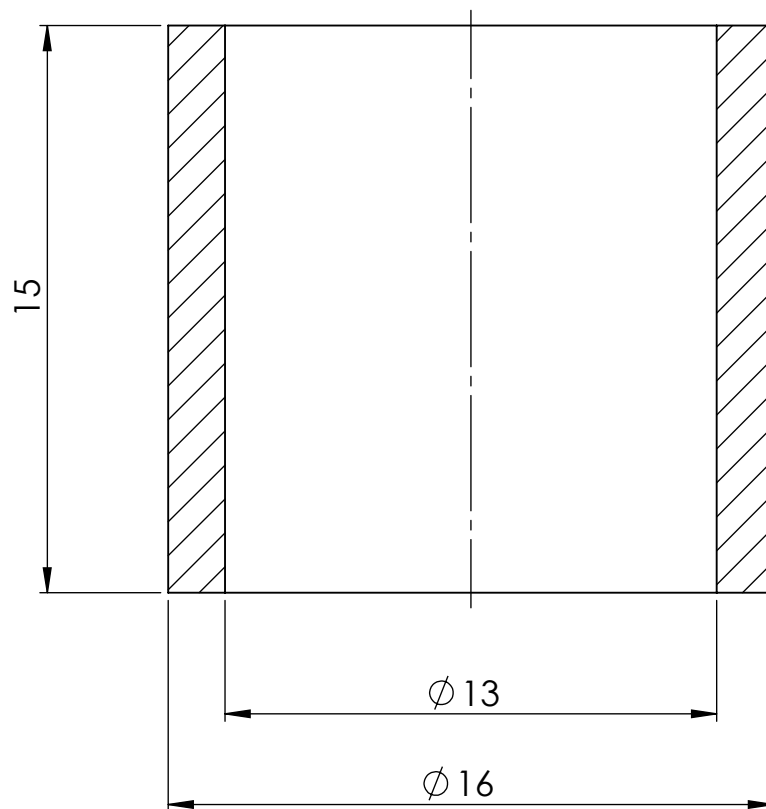
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		  			
	Name	Date					
Drawn	EPS TEAM 3	18/06/2017					
Checked			Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.02.03.A						
Replace at			Sheet's name Box door				
Replaced by							
SOLIDWORKS Educational Product. For Instructional Use Only							
Material	Treatment	Surface finish	Weight	Format	Scale	Sheet 5 of 26 sheets	
PP			9.66	A4	1:1		

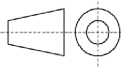
Chamfers of 1x45°

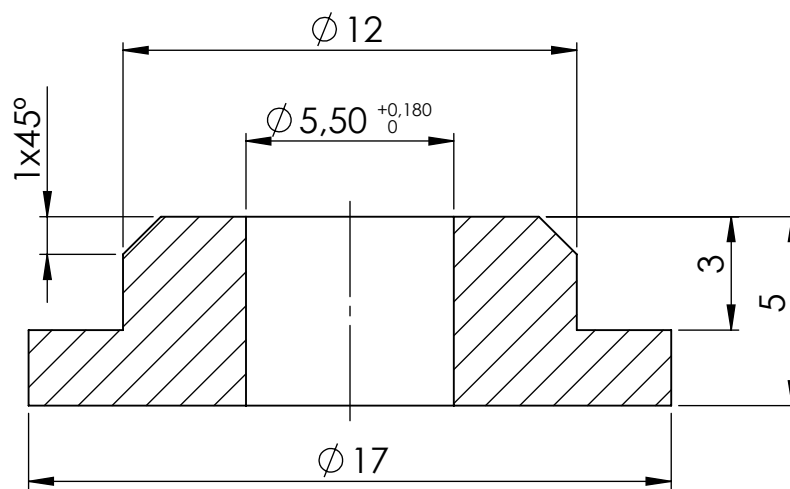


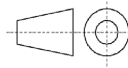
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		 Instituto Superior de Engenharia do Porto					
	Name	Date							
Drawn	EPS TEAM 3	18/06/2017							
Checked			Project's name Self-Oriented Solar Mirror (SUNO)						
Nº of sheet	T3.02.04.A								
Replace at				Sheet's name Azimuth Shaft					
Replaced by									
SOLIDWORKS Educational Product. For Instructional Use Only									
Material	Treatment	Surface finish		Weight	Format	Scale	Sheet 6 of 26 sheets		
AISI 1015		N8/ N10/ ( , )		191.04	A4	1:1			

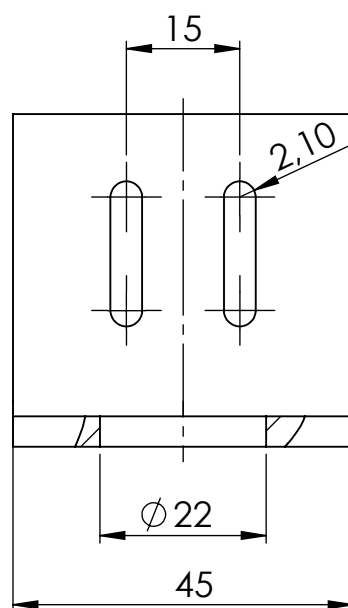
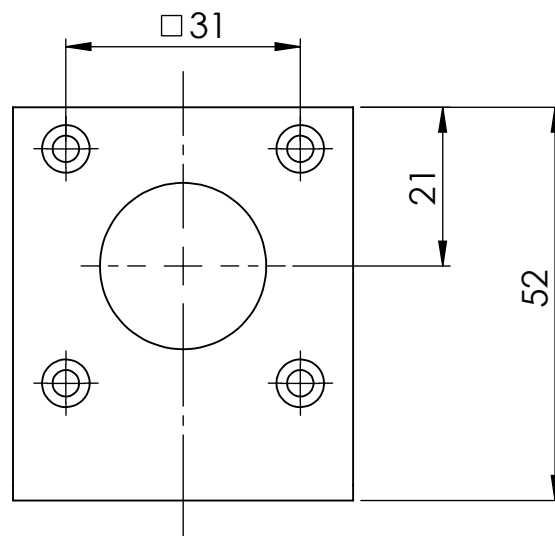
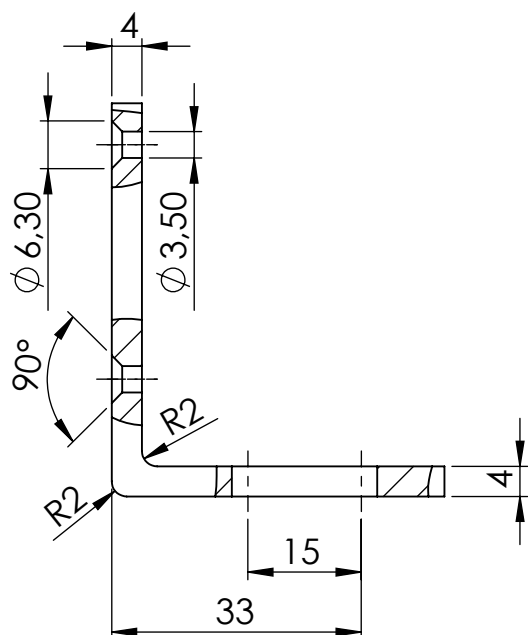
SOLIDWORKS Educational Product. For Instructional Use Only

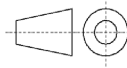


Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.02.05.A							
Replace at				Sheet's name Shaft Spacer				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 7 of 26 sheets	
Material	Treatment	Surface finish		7.58	A4	5:1		
Aluminium								



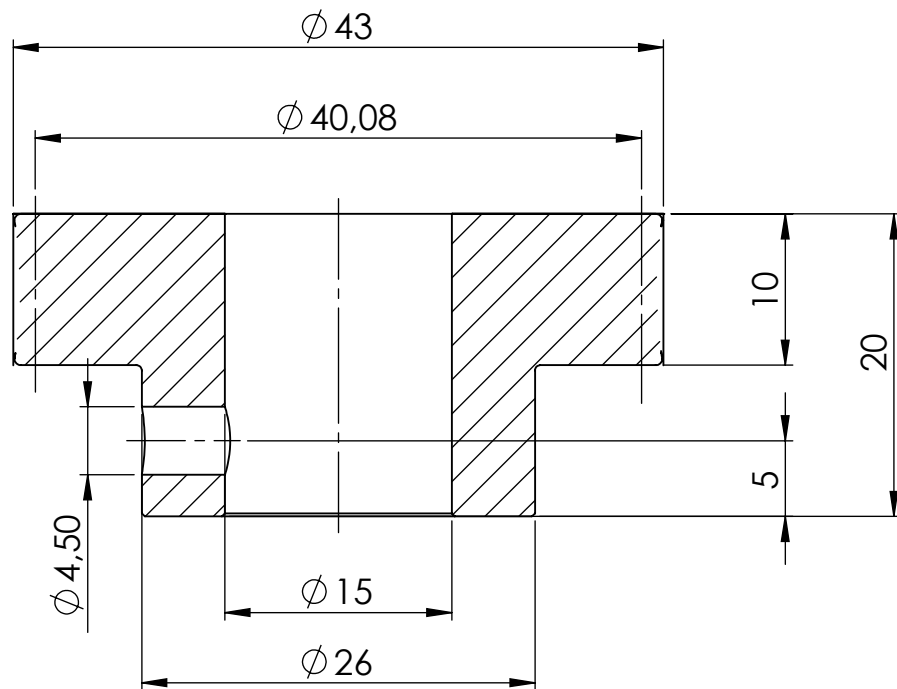
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		isep Instituto Superior de Engenharia do Porto  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.02.06.A							
Replace at				Sheet's name Shaft Holder				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only								
Material	Treatment	Surface finish		Weight	Format	Scale	Sheet 8 of 26 sheets	
PP				4.73	A4	5:1		

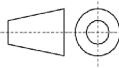


Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		 Instituto Superior de Engenharia do Porto					
	Name	Date							
Drawn	EPS TEAM 3	18/06/2017							
Checked			Project's name Self-Oriented Solar Mirror (SUNO)						
Nº of sheet	T3.02.07.A								
Replace at			Sheet's name Azimuth Motor Bracket						
Replaced by									
SOLIDWORKS Educational Product. For Instructional Use Only									
Material	Treatment	Surface finish	Weight	Format	Scale	Sheet 9 of 26 sheets			
PLA			20.19	A4	1:1				

Worm wheel information

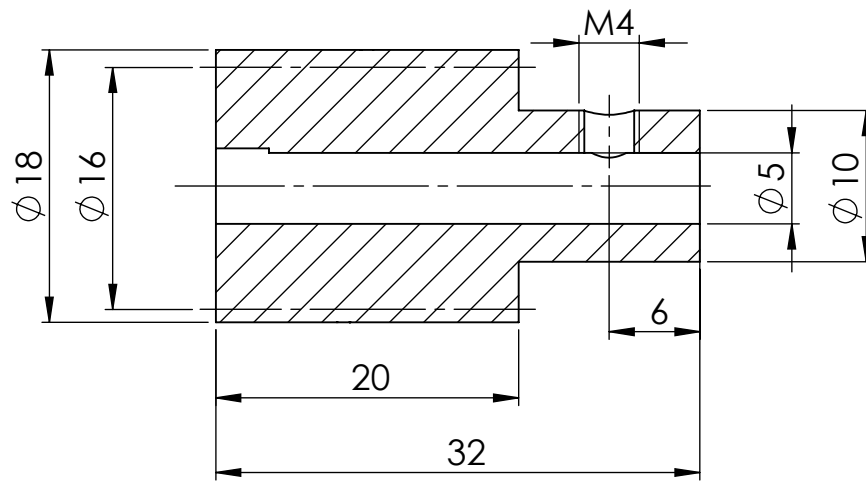
Normal module	1
Nº. of teeth	40
Helix angle	3°35'
Helix direction	Right
Pitch diameter	40.08
Outside diameter	43

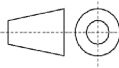


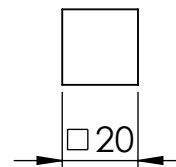
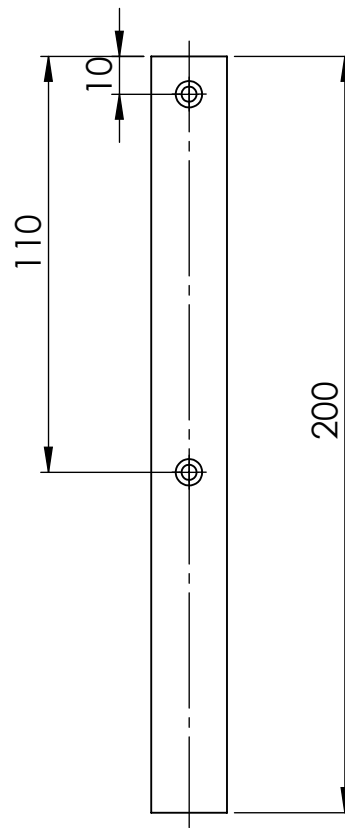
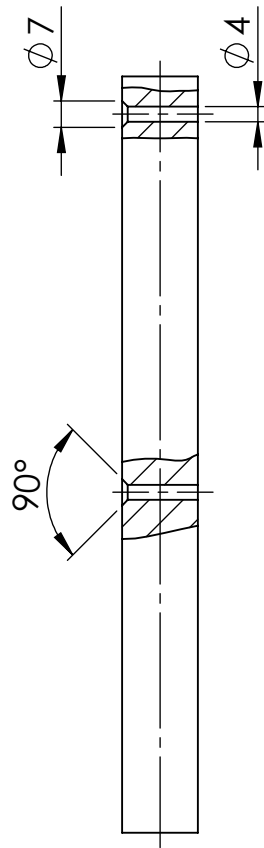
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.02.08.A							
Replace at			Sheet's name Worm Wheel					
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 10 of 26 sheets	
Material	Treatment	Surface finish	29.40	A4	2:1			
PLA								

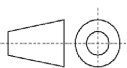
Worm gear information

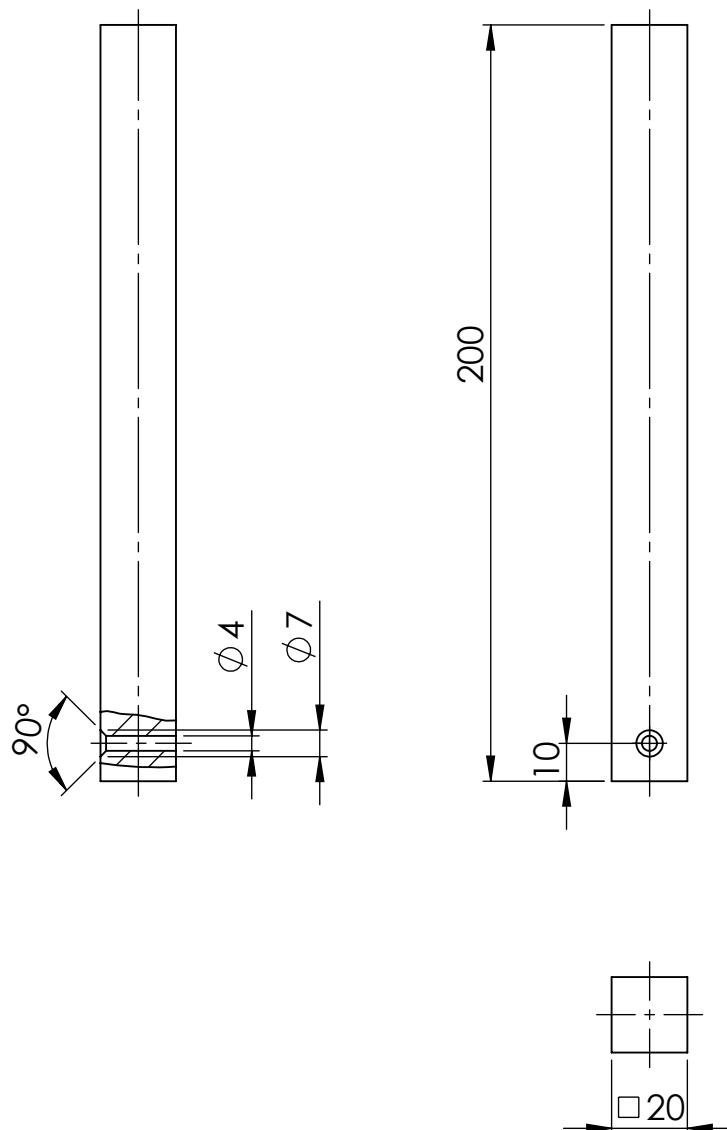
Normal module	1
Nº. of teeth	1
Helix angle	3°35'
Helix direction	Right
Pitch diameter	16
Outside diameter	18

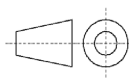


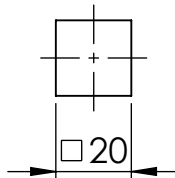
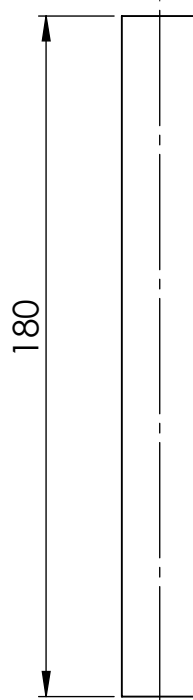
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented solar Mirror (SUNO)				
Nº of sheet	T3.02.09.A							
Replace at				Sheet's name Worm Gear				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 11 of 26 sheets	
Material	Treatment	Surface finish		5.51	A4	2:1		
PLA								

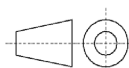


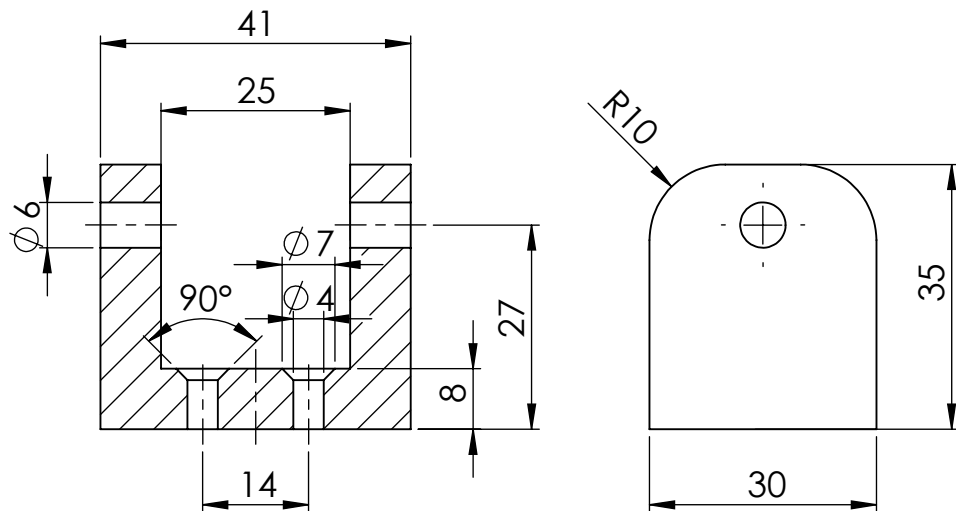
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.03.01.A							
Replace at				Sheet's name Lateral Square Profile				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 12 of 26 sheets	
Material	Treatment	Surface finish		27.02	A4	1:2		
Pine tree	Exterior varnish							

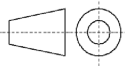


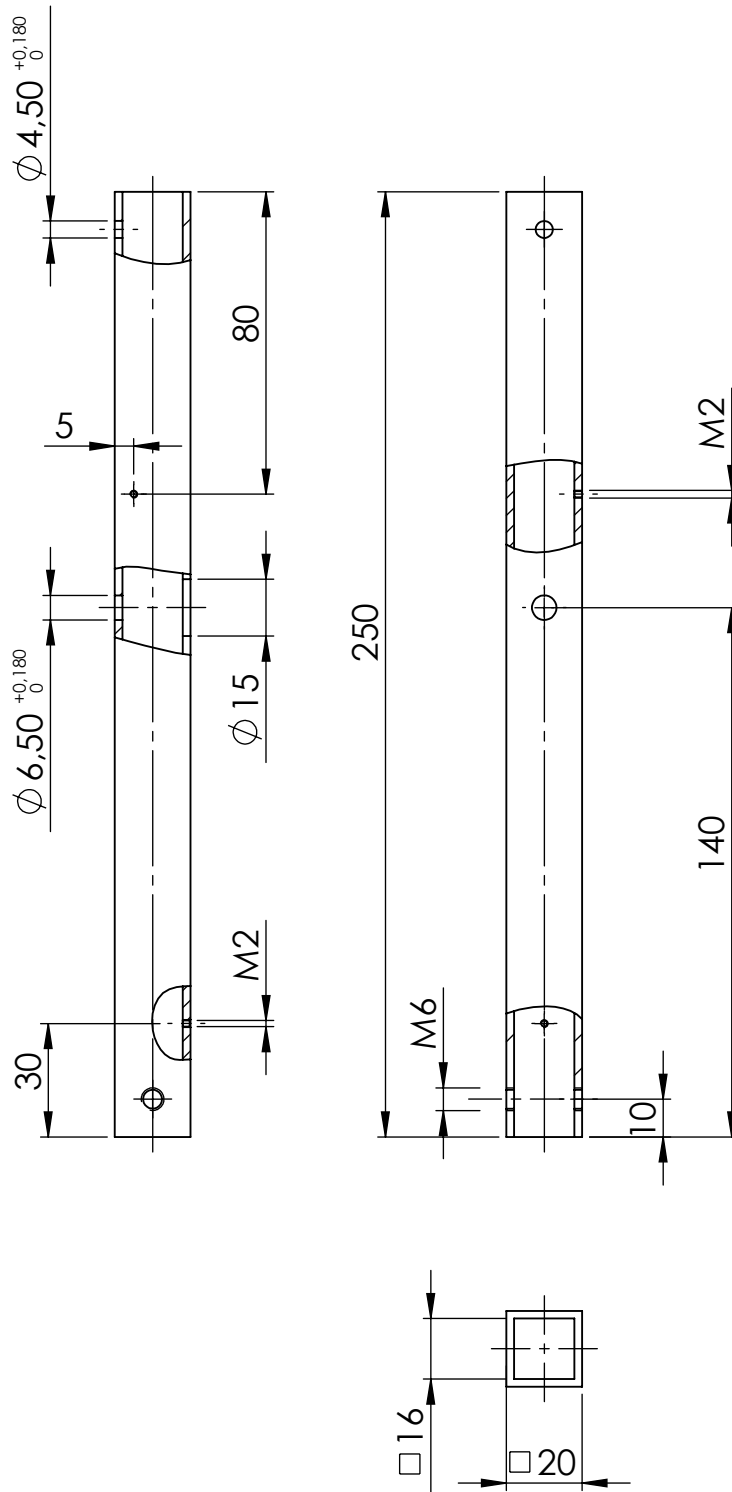
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		 Instituto Superior de Engenharia do Porto					
	Name	Date							
Drawn	EPS TEAM 3	18/06/2017							
Checked			Project's name Self-Oriented Solar Mirror (SUNO)						
Nº of sheet	T3.03.02.A								
Replace at			Sheet's name Frontal Square Profile						
Replaced by									
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 13 of 26 sheets		
Material	Treatment	Surface finish	27.11	A4	1:2				
Pine tree	Exterior varnish								

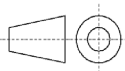


Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		 Instituto Superior de Engenharia do Porto					
	Name	Date							
Drawn	EPS TEAM 3	18/06/2017							
Checked			Project's name Self-Oriented Solar Mirror (SUNO)						
Nº of sheet	T3.03.03.A								
Replace at			Sheet's name Central Square Profile						
Replaced by									
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 14 of 26 sheets		
Material	Treatment	Surface finish	24.48	A4	1:2				
Pine tree	Exterior Varnish								

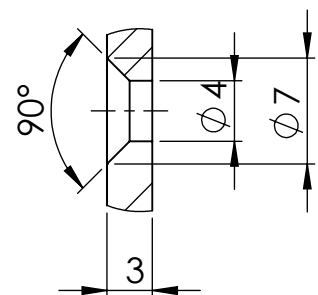
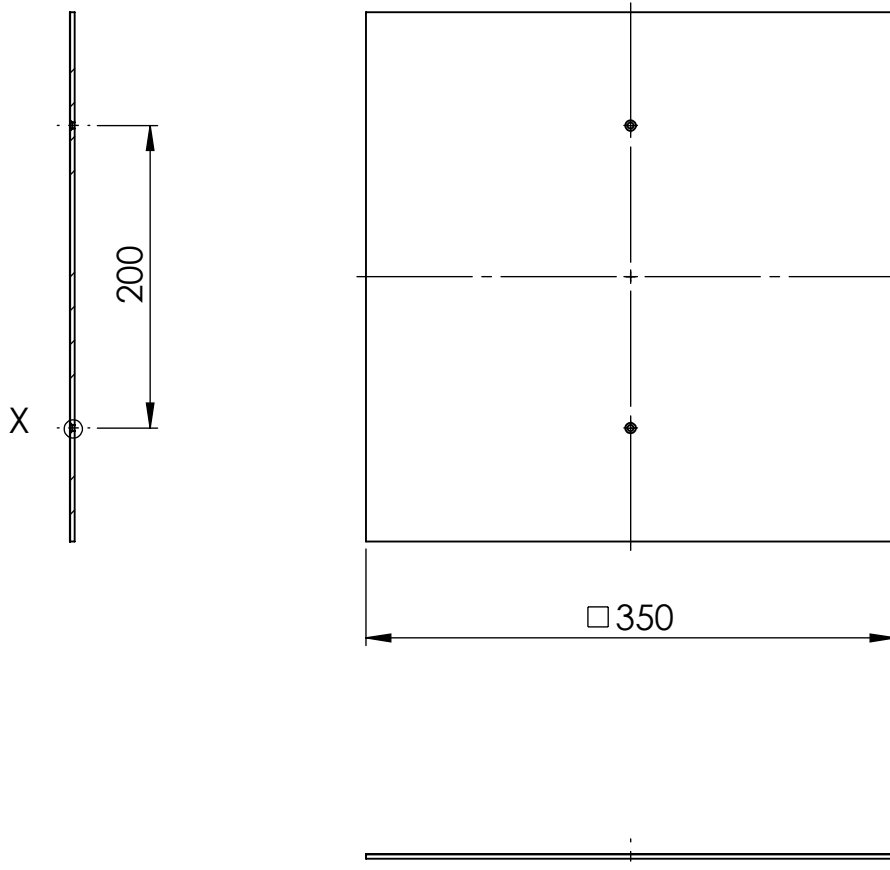


Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.03.04.A							
Replace at				Sheet's name Mirror Joint				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only								
Material	Treatment	Surface finish		Weight	Format	Scale	Sheet 15 of 26 sheets	
PLA				21.85	A4			

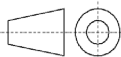


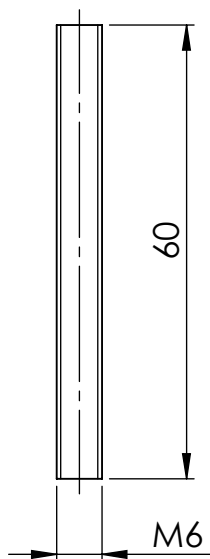
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		   				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.03.05.A							
Replace at				Sheet's name Cross Connector Square Profile				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only								
Material	Treatment	Surface finish		Weight	Format	Scale	Sheet 16 of 26 sheets	
AISI 1015	Shiny brown paint			279.08	A4	1:2		

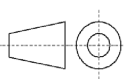
SOLIDWORKS Educational Product. For Instructional Use Only

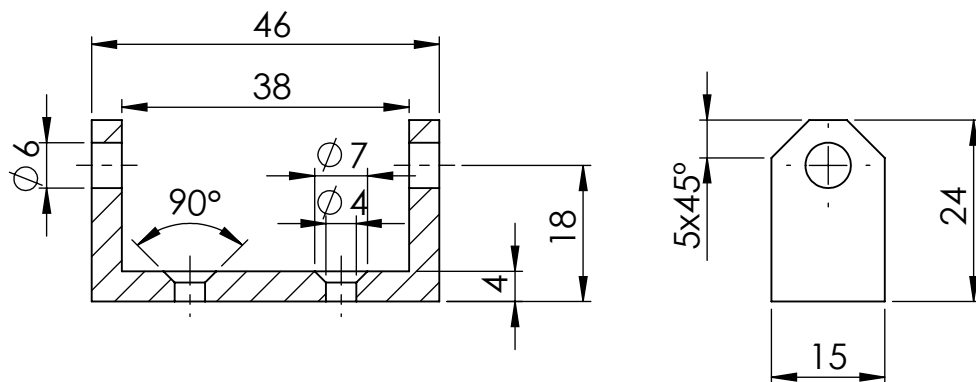


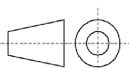
DETAIL X
SCALE 2 : 1

Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		isep Instituto Superior de Engenharia do Porto  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.03.06.A							
Replace at				Sheet's name Mirror's Surface				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only								
Material	Treatment	Surface finish		Weight	Format	Scale 1:5 2:1	Sheet 17 of 26 sheets	
LDPE				338.39	A4			

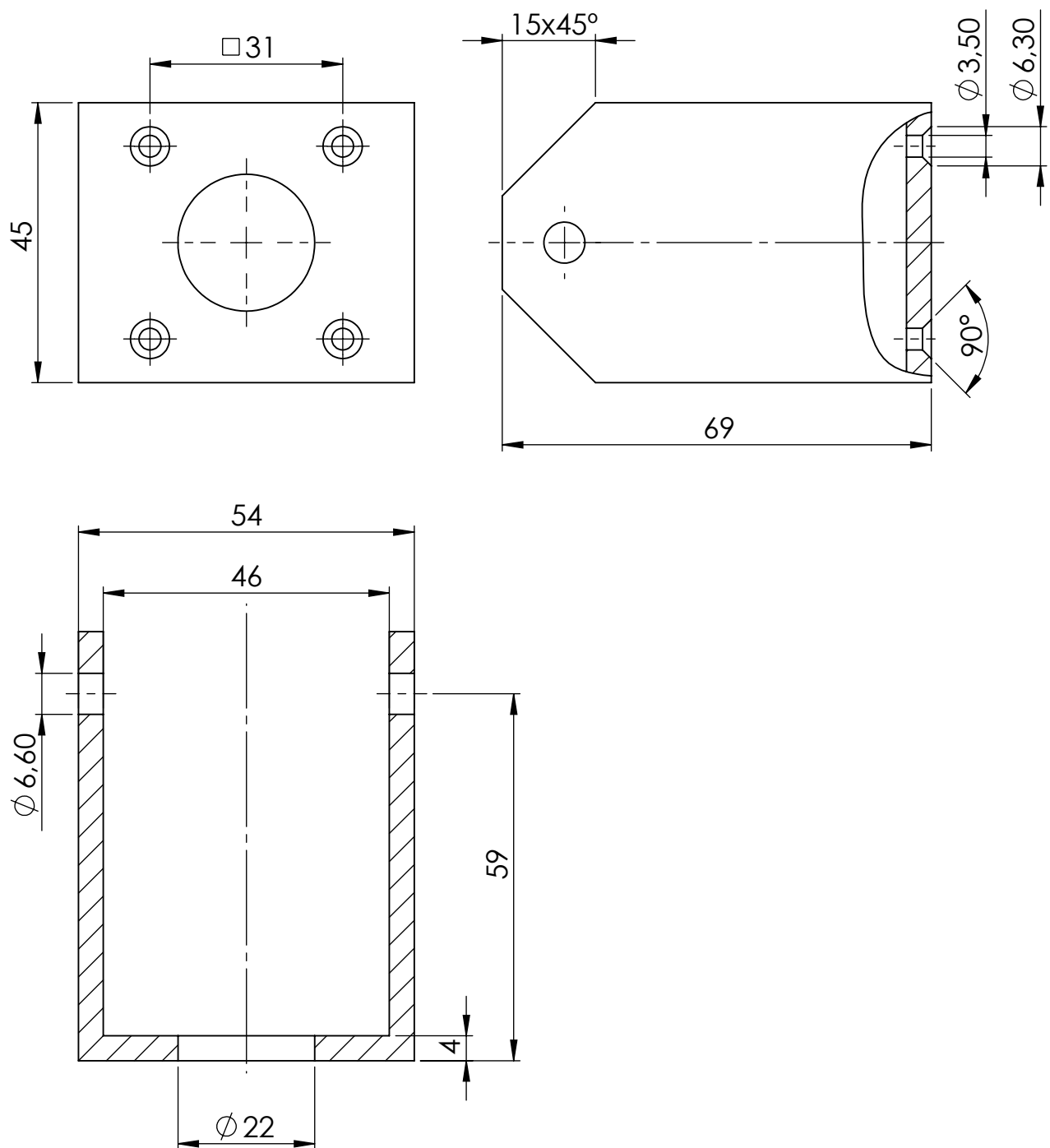


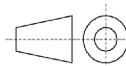
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		 Instituto Superior de Engenharia do Porto  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.03.07.A							
Replace at				Sheet's name Mirror Joint's Articulating Shaft				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 18 of 26 sheets	
Material	Treatment	Surface finish		13.33	A4	1:1		
DIN 975								

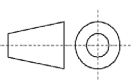


Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		isep Instituto Superior de Engenharia do Porto  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.03.08.A							
Replace at				Sheet's name Leadscrew Joint				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 19 of 26 sheets	
Material	Treatment	Surface finish		4.69	A4	1:1		
PLA								

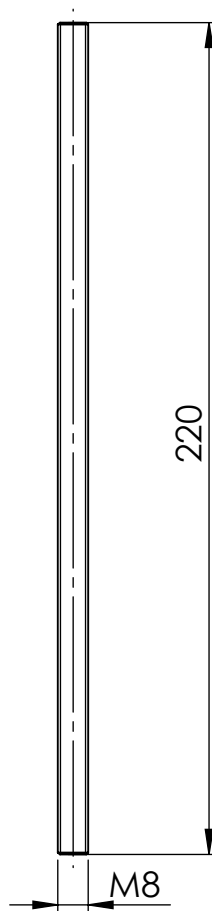
SOLIDWORKS Educational Product. For Instructional Use Only

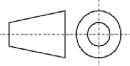


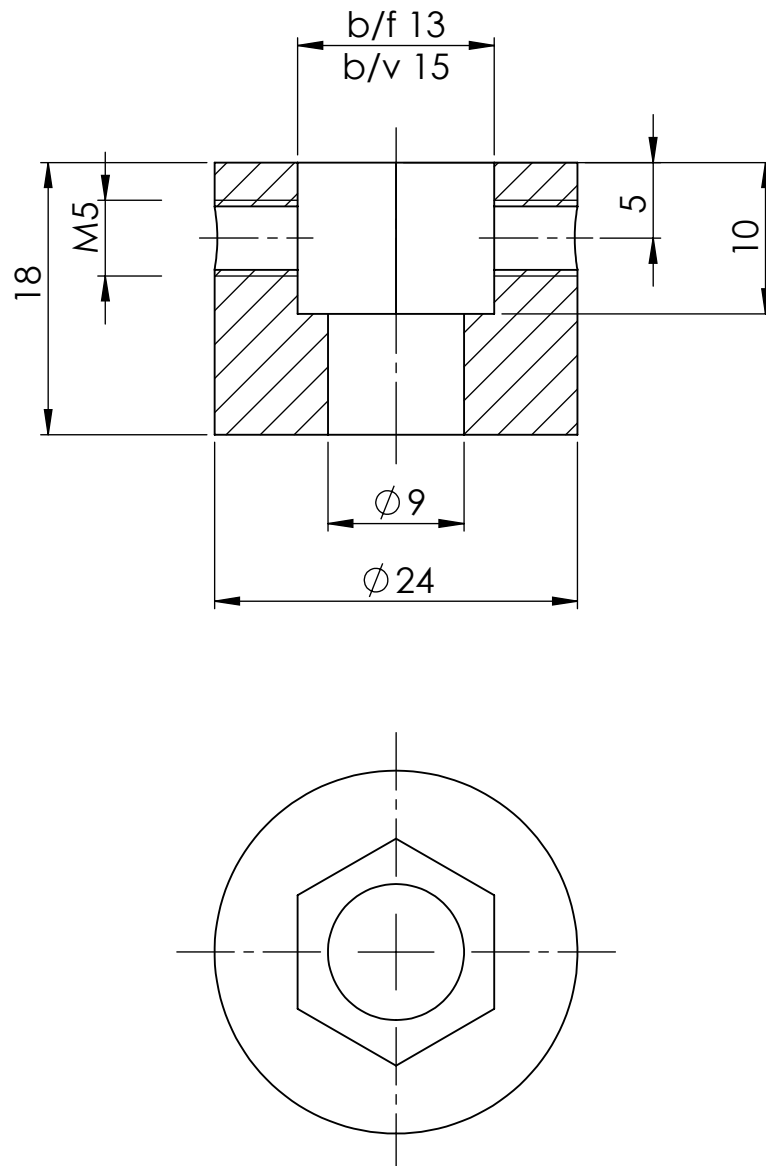
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		 Instituto Superior de Engenharia do Porto					
	Name	Date							
Drawn	EPS TEAM 3	18/06/2017		Project's name Self-Oriented Solar Mirror (SUNO)					
Checked									
Nº of sheet	T3.04.01.A			Sheet's name Leadscrew Motor Bracket					
Replace at									
Replaced by									
SOLIDWORKS Educational Product. For Instructional Use Only									
Material	Treatment	Surface finish		Weight	Format	Scale	Sheet 20 of 26 sheets		
PLA				29.90	A4				

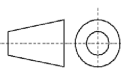




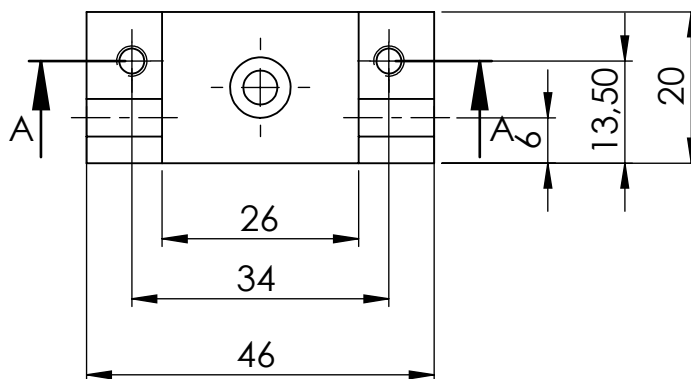
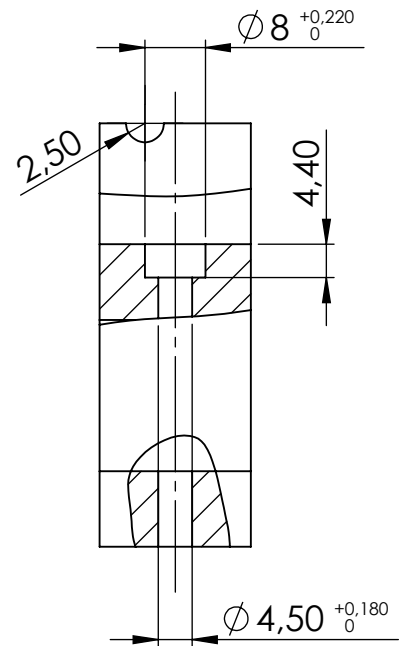
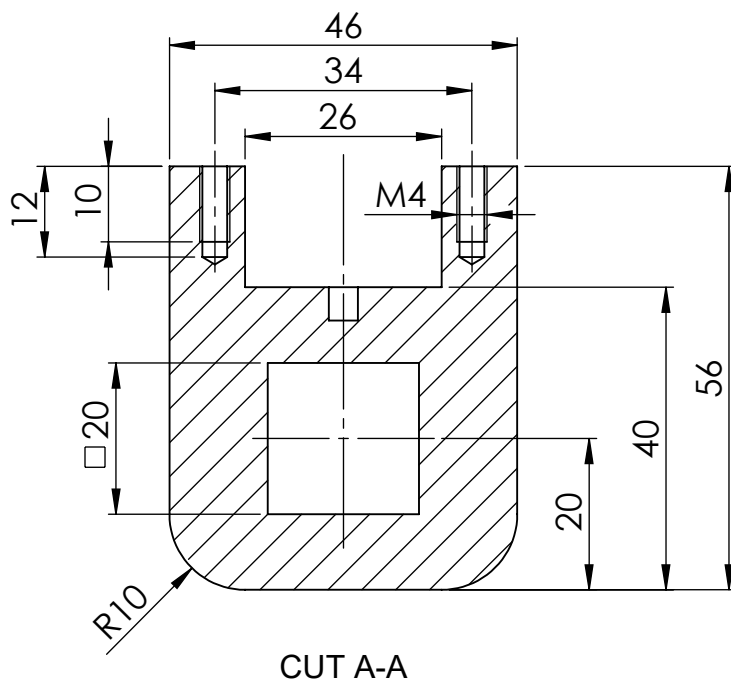


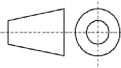
Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.04.03.A							
Replace at				Sheet's name M8 Threaded Rod				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only								
Material	Treatment	Surface finish		Weight	Format	Scale	Sheet 22 of 26 sheets	
DIN 975				86.87	A4	1:2		

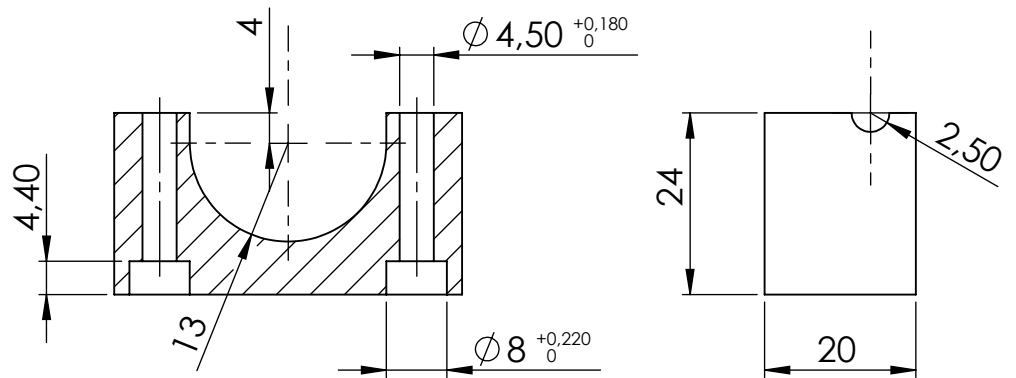


Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		 Instituto Superior de Engenharia do Porto					
	Name	Date							
Drawn	EPS TEAM 3	18/06/2017							
Checked			Project's name Self-Oriented Solar Mirror (SUNO)						
Nº of sheet	T3.04.04.A								
Replace at			Sheet's name M8 Nut Housing						
Replaced by									
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 23 of 26 sheets		
Material	Treatment	Surface finish							
PLA			6.14	A4	2:1				

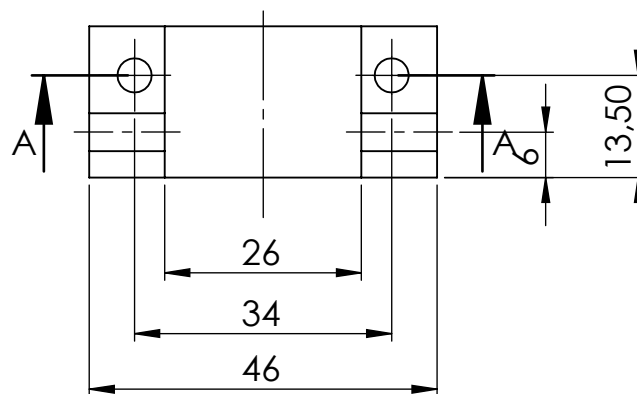
SOLIDWORKS Educational Product. For Instructional Use Only

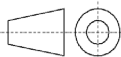


Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		isep Instituto Superior de Engenharia do Porto  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.00.01.A							
Replace at				Sheet's name M8 Housing Lower Support				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 24 of 26 sheets	
Material	Treatment	Surface finish		33.47	A4	1:1		
PLA								

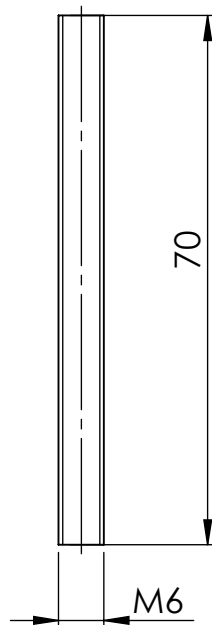


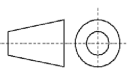
CUT A-A



Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		isep Instituto Superior de Engenharia do Porto  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.00.02.A							
Replace at				Sheet's name M8 Housing Upper Support				
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 25 of 26 sheets	
Material	Treatment	Surface finish		13.70	A4	1:1		
PLA								

SOLIDWORKS Educational Product. For Instructional Use Only



Tolerances		Est.sup.UNE 1037/Tol.gral.ISO 2778-K/Tol.geom.ISO 2778-m		isep Instituto Superior de Engenharia do Porto  				
	Name	Date						
Drawn	EPS TEAM 3	18/06/2017						
Checked				Project's name Self-Oriented Solar Mirror (SUNO)				
Nº of sheet	T3.00.03.A							
Replace at			Sheet's name Motor Joint's Articulating Shaft					
Replaced by								
SOLIDWORKS Educational Product. For Instructional Use Only				Weight	Format	Scale	Sheet 26 of 26 sheets	
Material	Treatment	Surface finish		15.56	A4	1:1		
DIN 975								