

Treball final de grau

Estudi: Grau en Enginyeria Mecànica

Títol: Estudi d'una suspensió amb sistema antibalanceig hidràulic

Document: Plànols

Alumne: Oriol Dachs Pérez

Tutor: Dr. Lluís Ripoll Masferrer

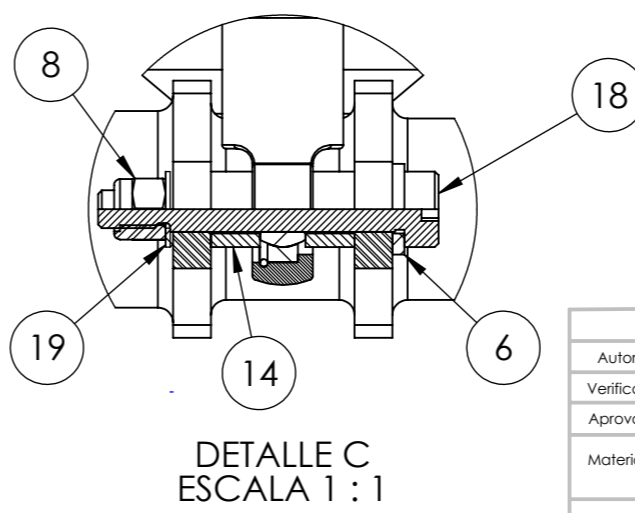
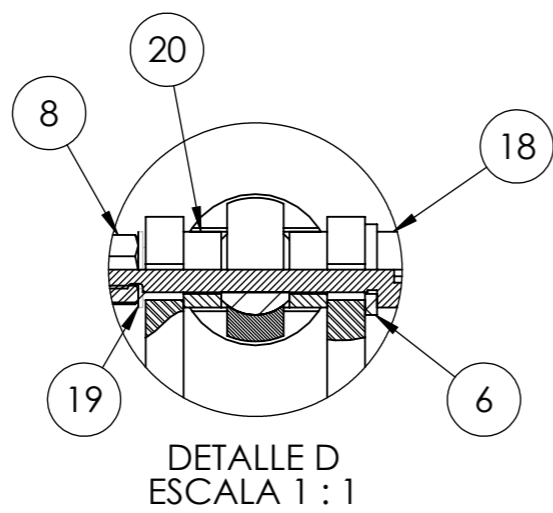
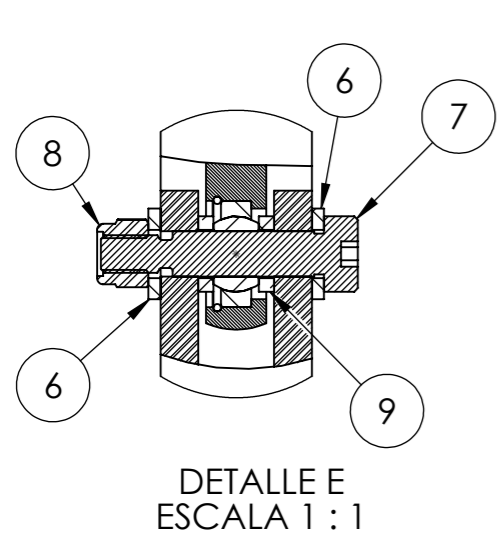
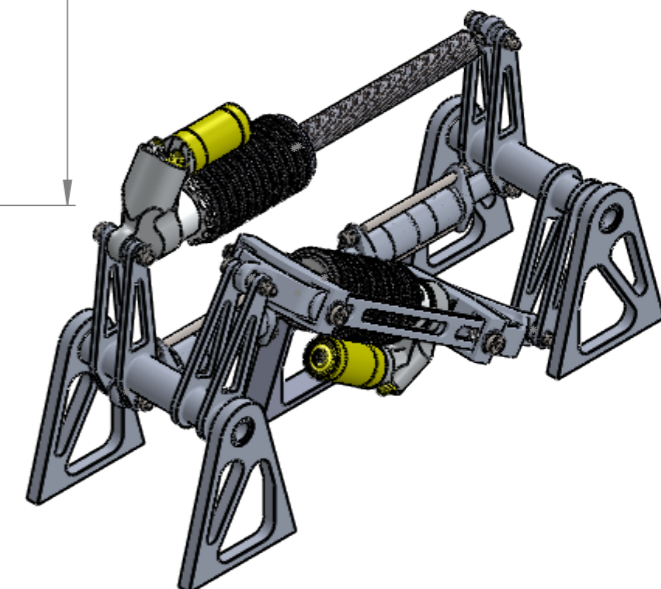
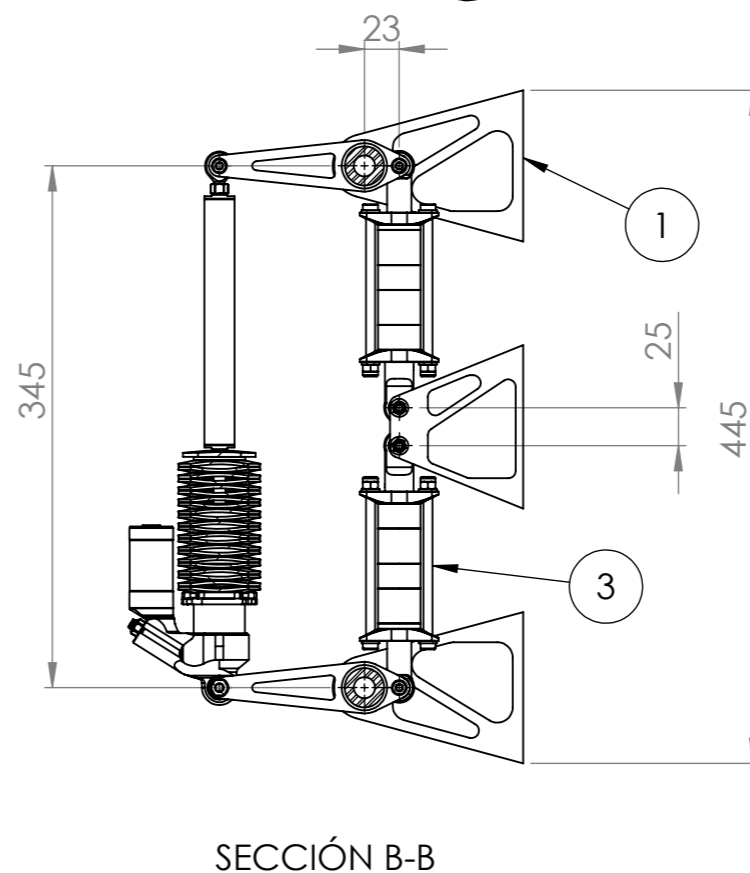
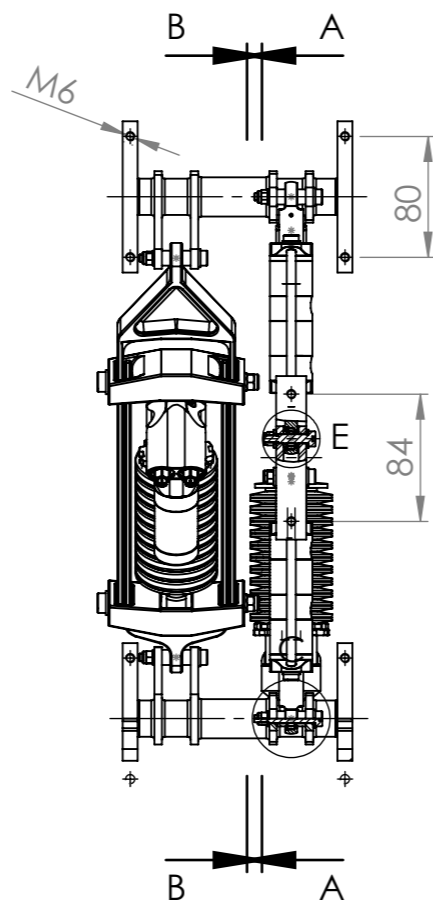
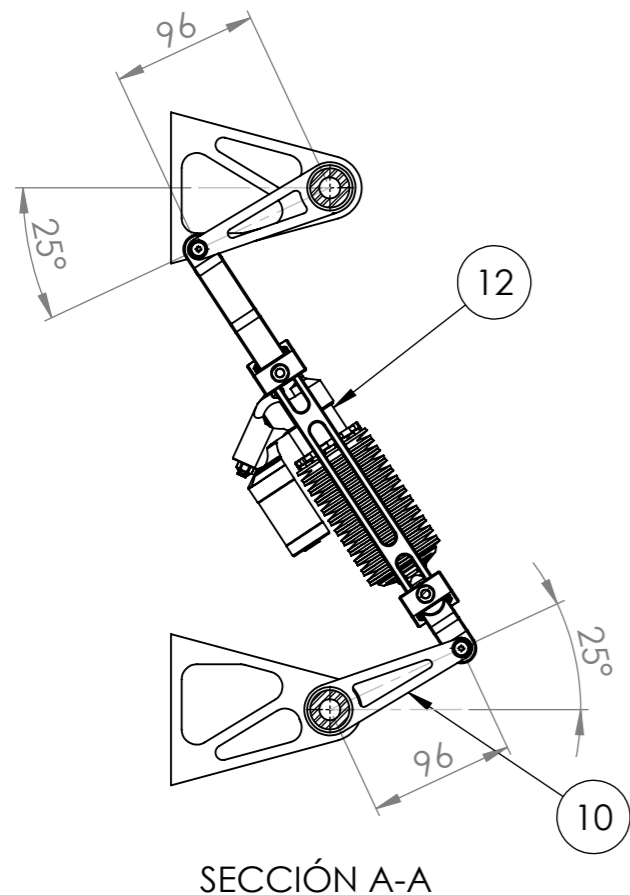
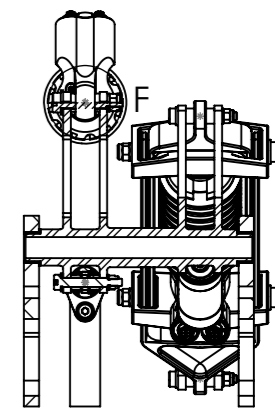
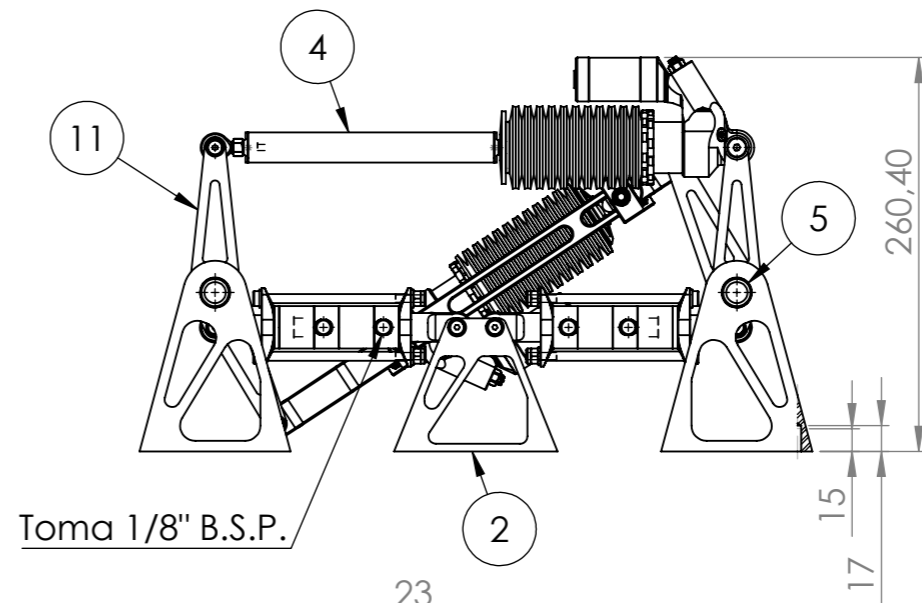
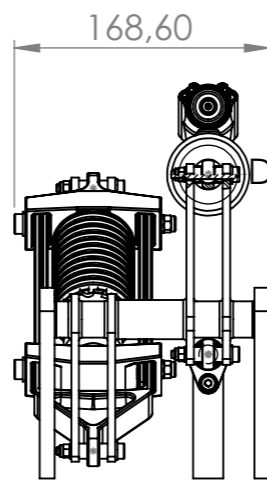
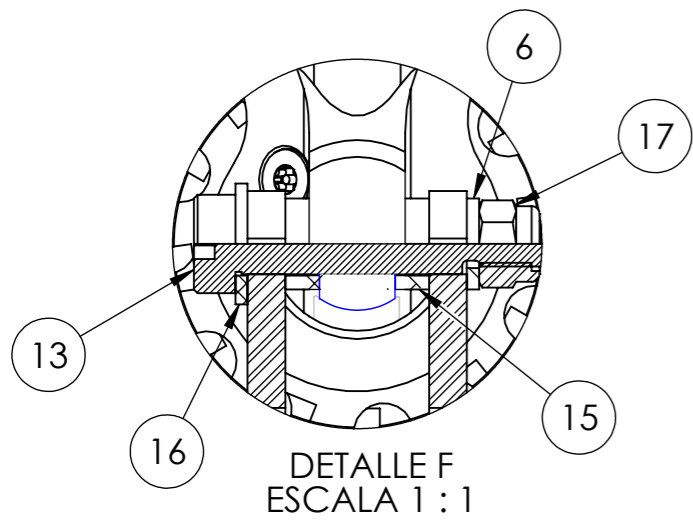
Departament: Enginyeria mecànica i de la construcció industrial

Àrea: Mecanismes i Fluids

Convocatòria (mes/any): Setembre 2019

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	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	-		

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Títol: **E001-UnitatCentralPH**


A3

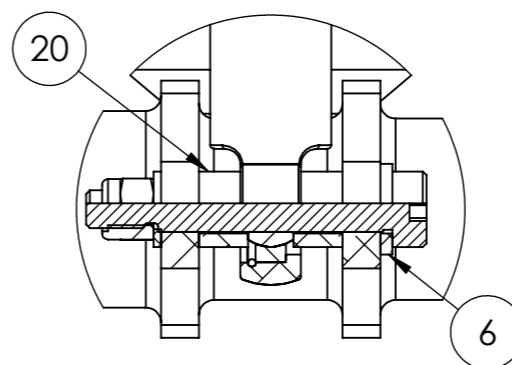
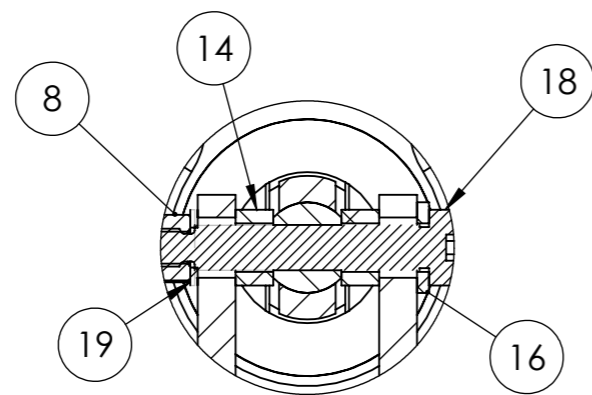
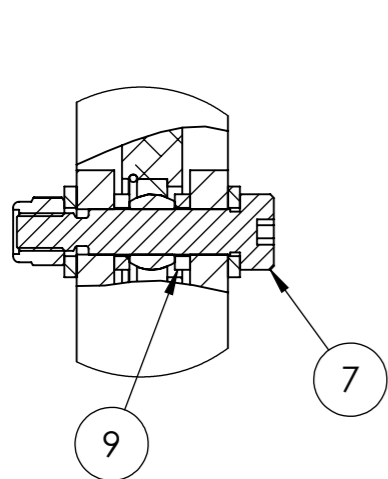
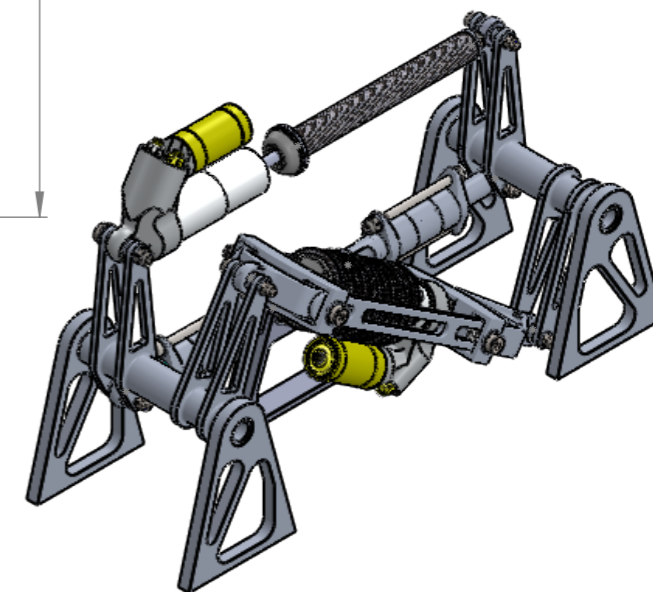
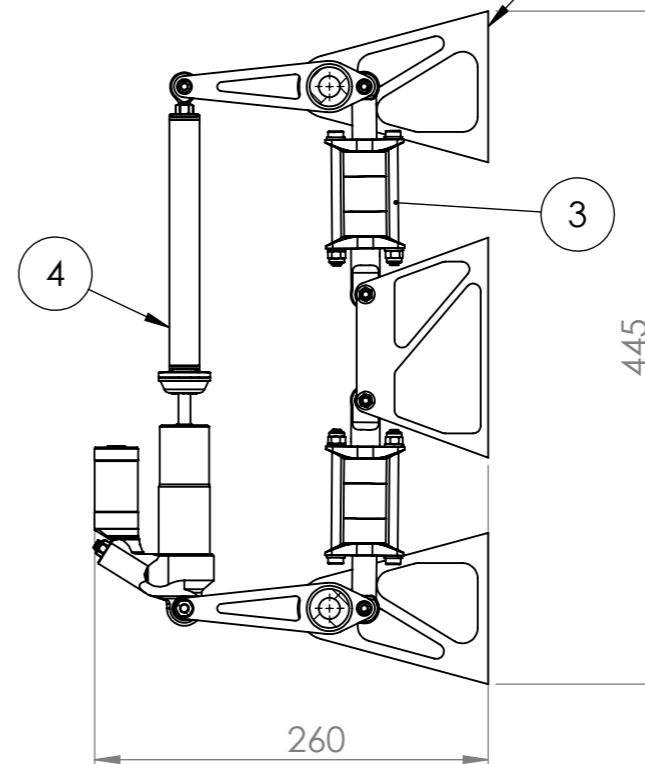
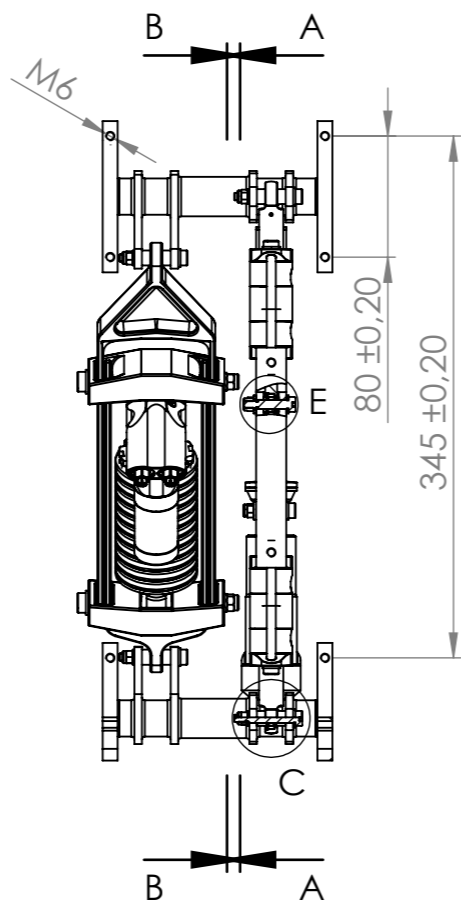
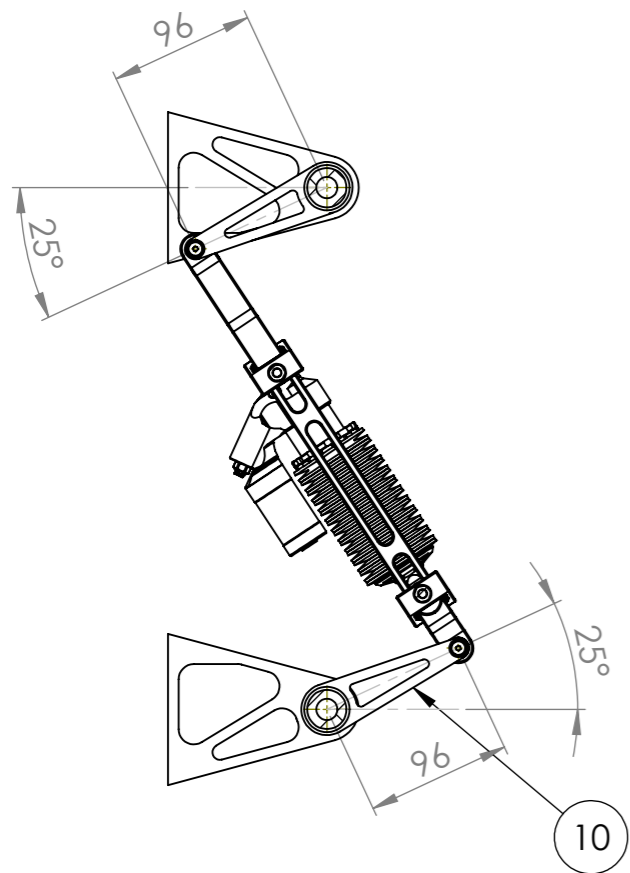
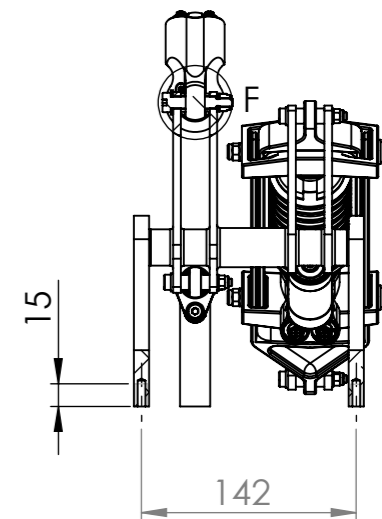
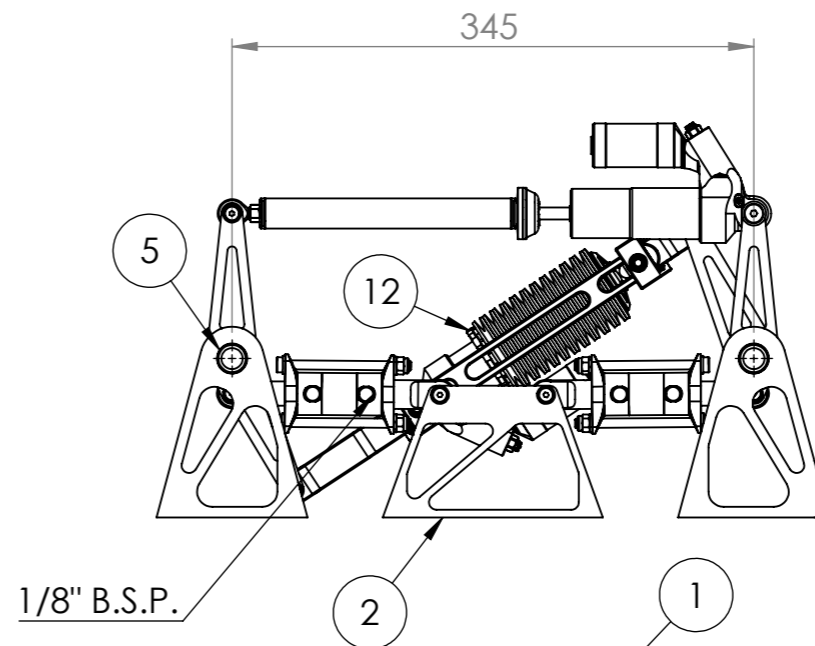
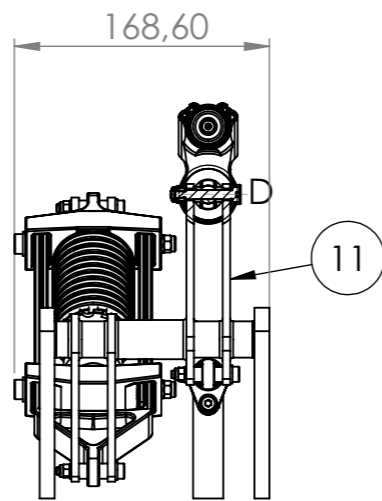
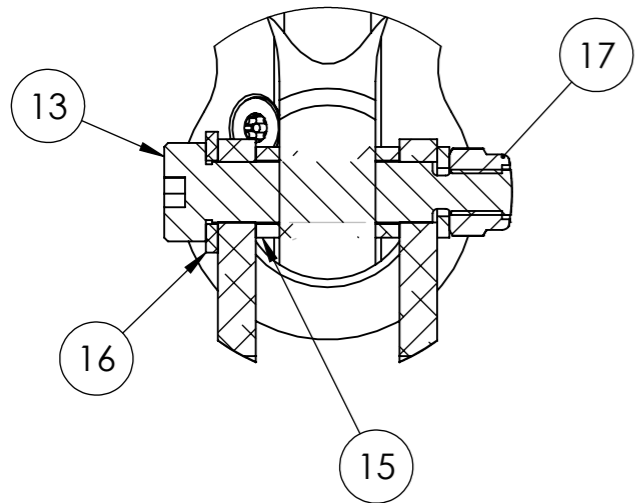
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Full 1 de 1

Eliminar aristes vives i en cas de jocs majors a 0,25mm descartar-ne les peces tractades.

N.º DE ELEMENTO	CODIGO DE PIEZA	CANTIDAD	DIMENSIONES	MATERIAL
1	P001-SuportUnitats	4	100x130x10	7075-T6
2	P002-SuportUnitatPH	1	90x110x20	7075-T6
3	E003-PistóSimpleEfecteX2	2	30x180x60	-
4	E004-EsmorteidorHeave	1	350x70x50	-
5	C01-IGUS_2022-08	4	Ø20x08	-
6	C02-DIN9125_M6	10	M6	6061-T6
7	C10-DIN7379_06X20	2	Ø06x20(M5)	Ti6Al4V
8	C08-ISO7040-M5-C	7	M5	Ti6Al4V
9	C05-SeparadorALU_06x2	4	Ø6x2	6061-T6
10	P005-TrapeziEsquerra	1	185x100x25	7075-T6
11	P004-TrapeziDret	1	185x180x25	7075-T6
12	E005-EsmorteidorRollPitch	1	350x70x50	-
13	C11-DIN7379_8x30	1	Ø08x30(M6)	Ti6Al4V
14	C07-SeparadorALU_06x6	8	Ø06x06	6061-T6
15	C15-SeparadorALU_08x5.5	2	Ø08x5.5	6061-T6
16	C04-DIN9125_M8	1	M8	6061-T6
17	C09-ISO-7040-M6-C	1	M6	Ti6Al4V
18	C12-DIN7379_06X30	5	Ø06x30(M5)	Ti6Al4V
19	C03-DIN9125_M5	5	M5	6061-T6
20	C06-SeparadorALU_06x5	2	Ø06x05	6061-T6

	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	E001-UnitatCentralPH	A4
			Escala:1:5	Full 1 de 1	

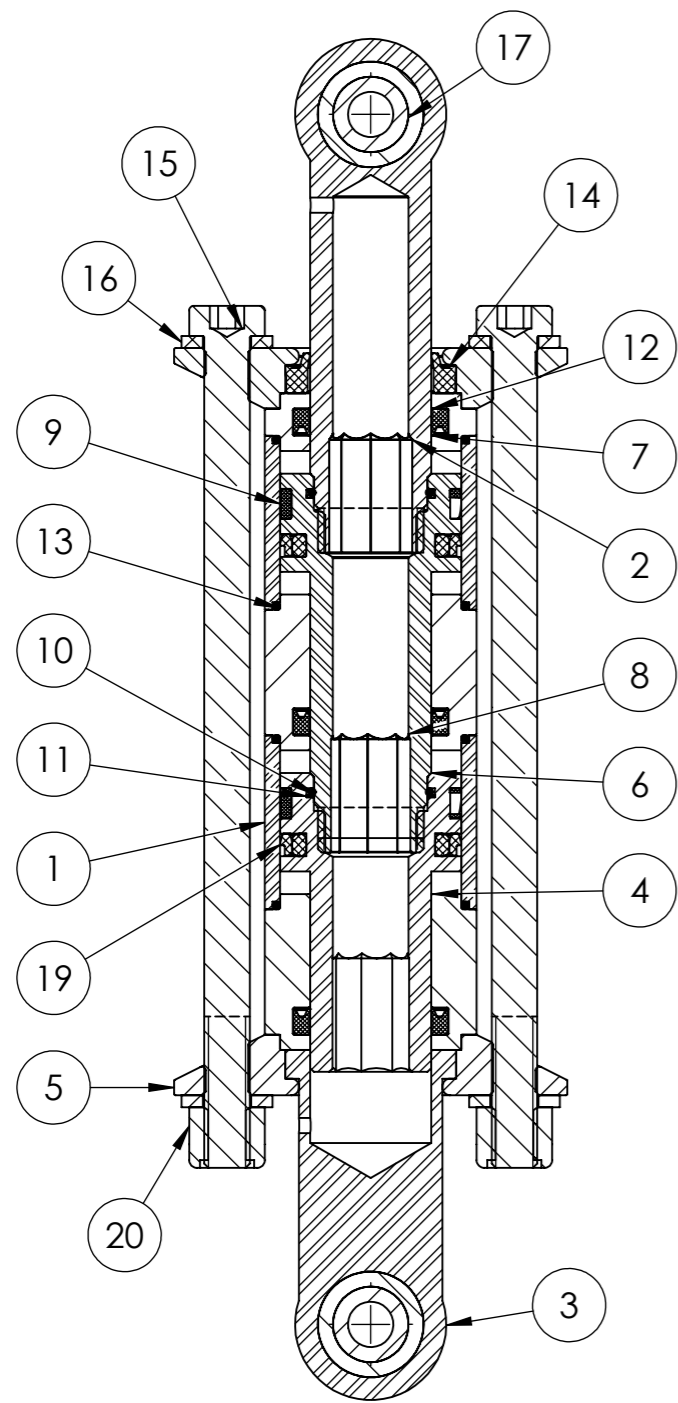


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Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	-		
Eliminar arestes vives i en cas de jocs majors a 0,25mm descartar-ne les peces tractades.			

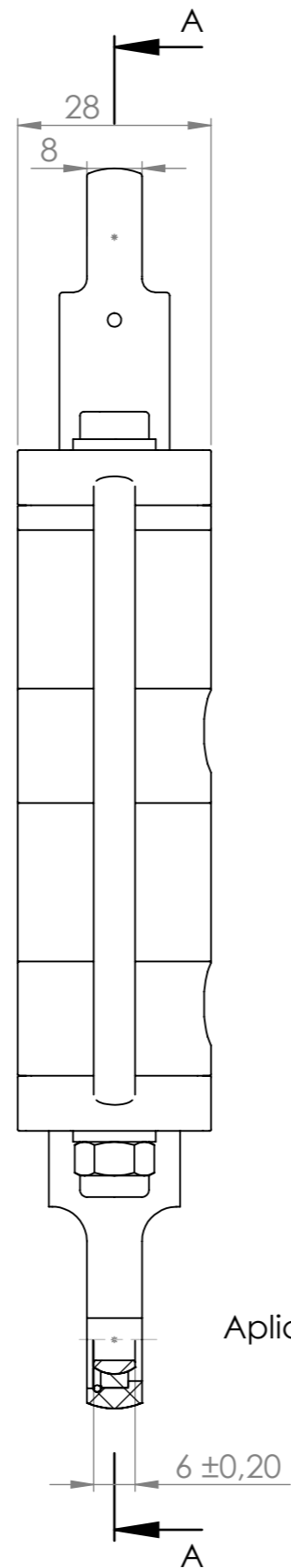
Universitat de Girona	
Títol	
E002-UnitatCentralRW	
A3	
Escala: 1:5	Full 1 de 1

N.º DE ELEMENTO	CODIGO DE PIEZA	CANTIDAD	DIMENSIONES	MATERIAL
1	P001-SuportUnitats	4	100x130x10	7075-T6
2	P002-SuportUnitatPH	1	90x110x20	7075-T6
3	E003-PistóDobleEfecteX2	2	30x180x60	-
4	E004-EsmorteidorWarp	1	350x70x50	-
5	C01-IGUS_2022-08	4	Ø20x08	-
6	C02-DIN9125_M6	10	M6	6061-T6
7	C10-DIN7379_06X20	2	Ø06x20(M5)	Ti6Al4V
8	C08-ISO7040-M5-C	7	M5	Ti6Al4V
9	C05-SeparadorALU_06x2	4	Ø6x2	6061-T6
10	P005-TrapeziEsquerra	1	185x100x25	7075-T6
11	P004-TrapeziDret	1	185x180x25	7075-T6
12	E005-EsmorteidorRollPitch	1	350x70x50	-
13	C11-DIN7379_8x30	1	Ø08x30(M6)	Ti6Al4V
14	C07-SeparadorALU_06x6	8	Ø06x06	6061-T6
15	C15-SeparadorALU_08x5.5	2	Ø08x5.5	6061-T6
16	C04-DIN9125_M8	1	M8	6061-T6
17	C09-ISO-7040-M6-C	1	M6	Ti6Al4V
18	C12-DIN7379_06X30	5	Ø06x30(M5)	Ti6Al4V
19	C03-DIN9125_M5	5	M5	6061-T6
20	C06-SeparadorALU_06x5	2	Ø06x05	6061-T6

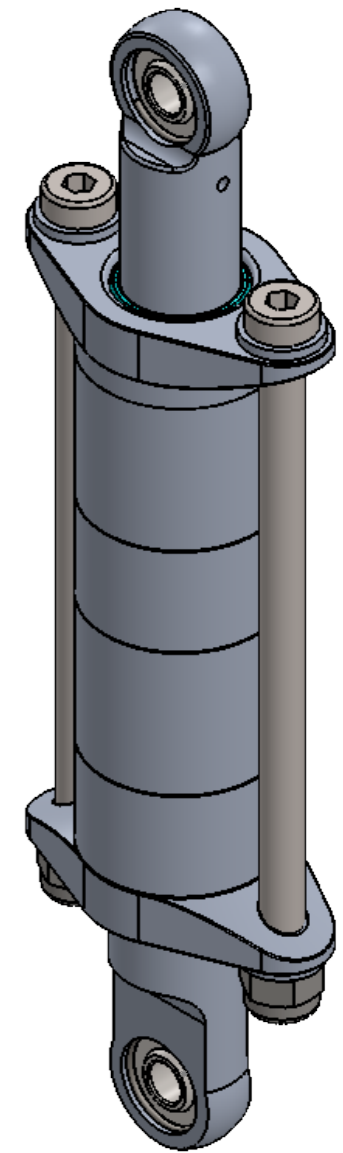
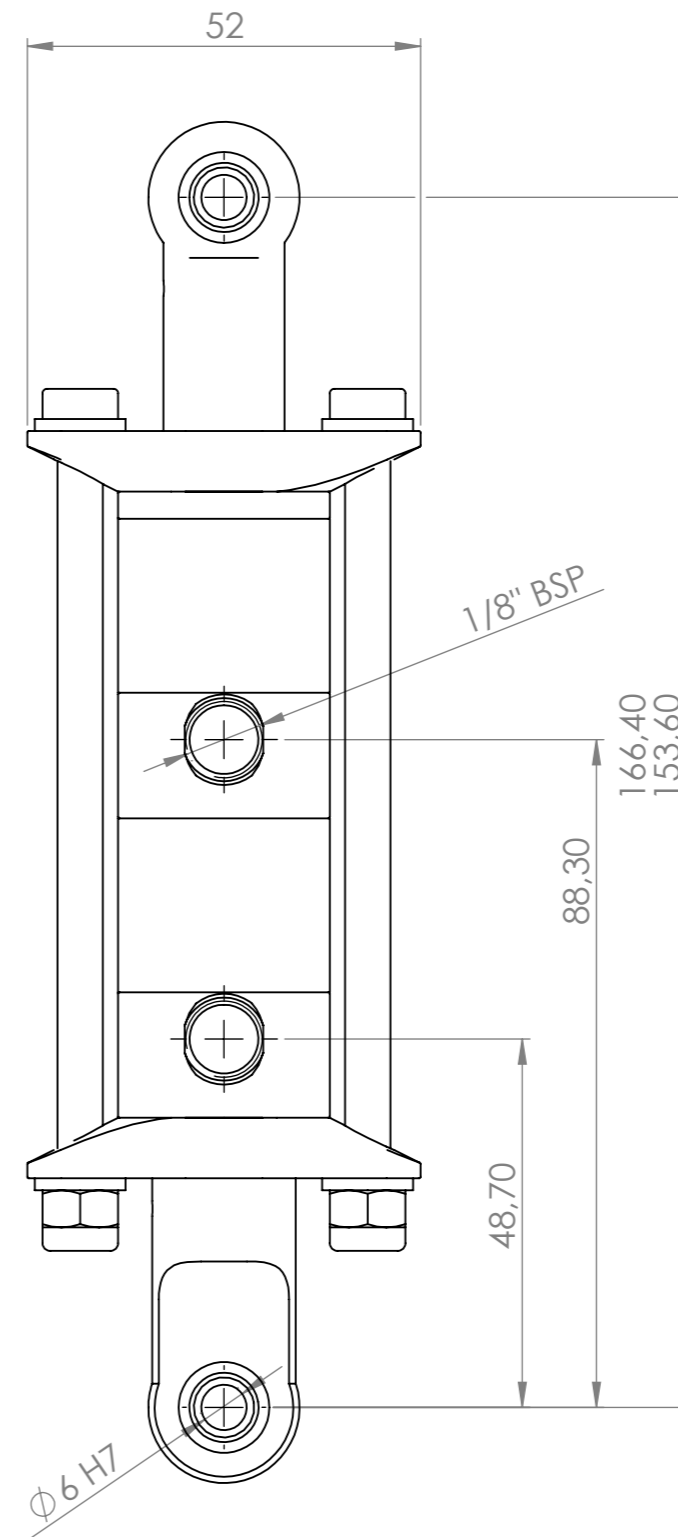
	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	E002-UnitatCentralRW	A4
			Escala:1:5	Full 1 de 1	



SECCIÓN A-A



Aplicar parell de 17Nm



El pistó ha de desplaçar-se ± 6.4 mm en cas que el desplaçament estigui fora de la tolerància indicada desmuntar-lo i revisar-el.


	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprobat	-	-	-
Material	7075-T6	Títol	

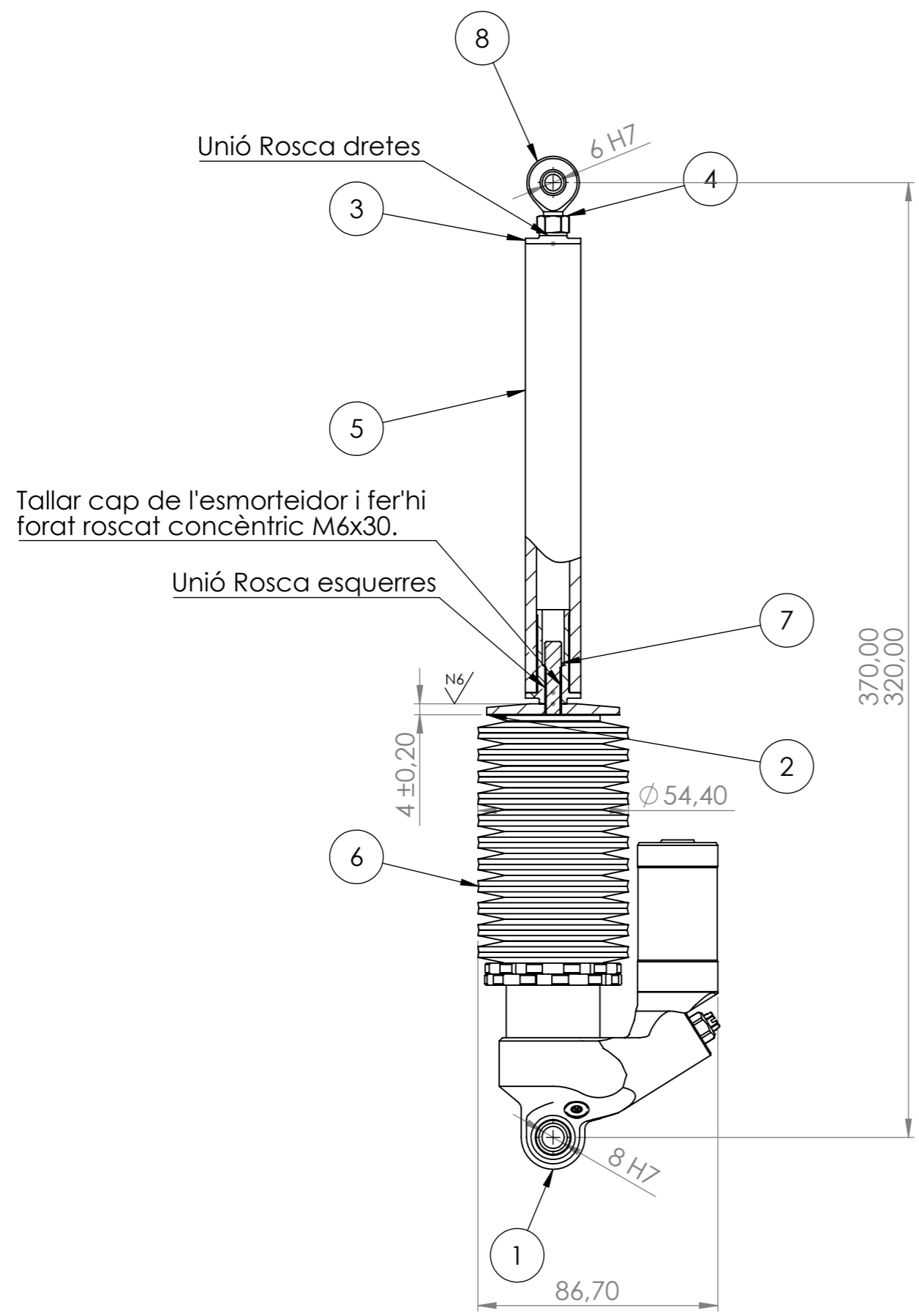
Universitat de Girona

E003-PistóSimpleEfecteX2

A3


N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	P009-CamisaDobleEfecte	2
2	P016-ÈmbolSimplEfecteP1	1
3	P011-UnióPistó	1
4	P012-EntradaPistóSimpleEfecte	2
5	P013-AbrasaderaPistó	2
6	P014-ÈmbolDobleEfecteP2	1
7	015-SuportRetenCamisa	1
8	017-ÈmbolSimpleEfecteX4	1
9	C16-trelleborg_gp4300240-hm061	2
10	C17-trelleborg_OR1001400-E70	2
11	C18-trelleborg_AER1001400-E70	2
12	C19-trelleborg_ru9000160-z20	3
13	C20-trelleborg_OR1002400-E70	4
14	C21-trelleborg_wne000160-z201	1
15	C14-DIN7984_M6x1-125	2
16	C02-DIN9125_M6	4
17	C22-SKF_GE_6_C	2
18		2
19	C017-trelleborg_psk100240-m12n	2
20	C09-ISO-7040-M6-C	2

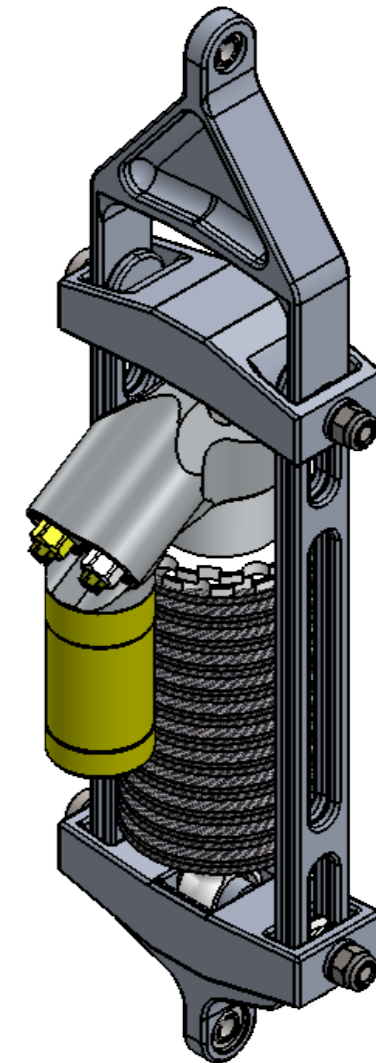
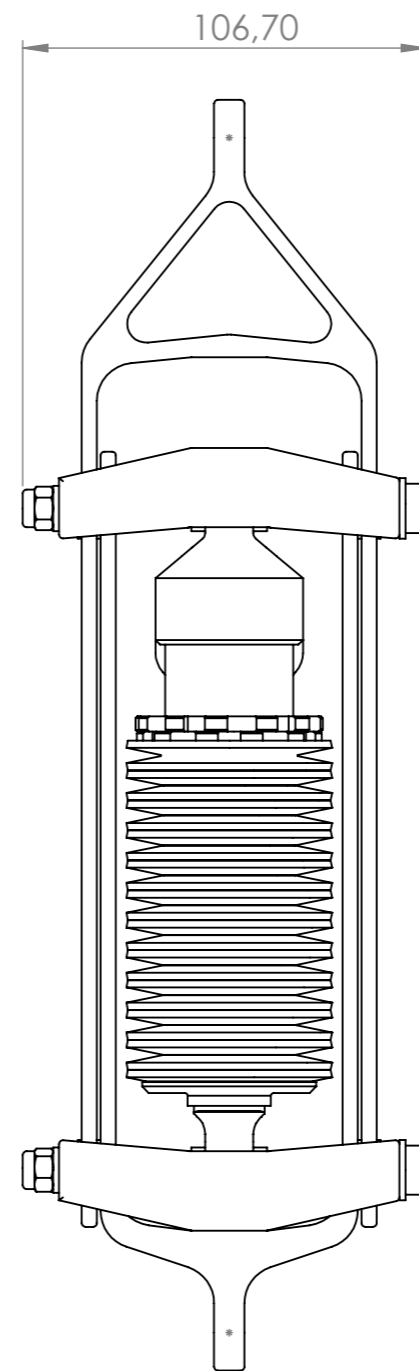
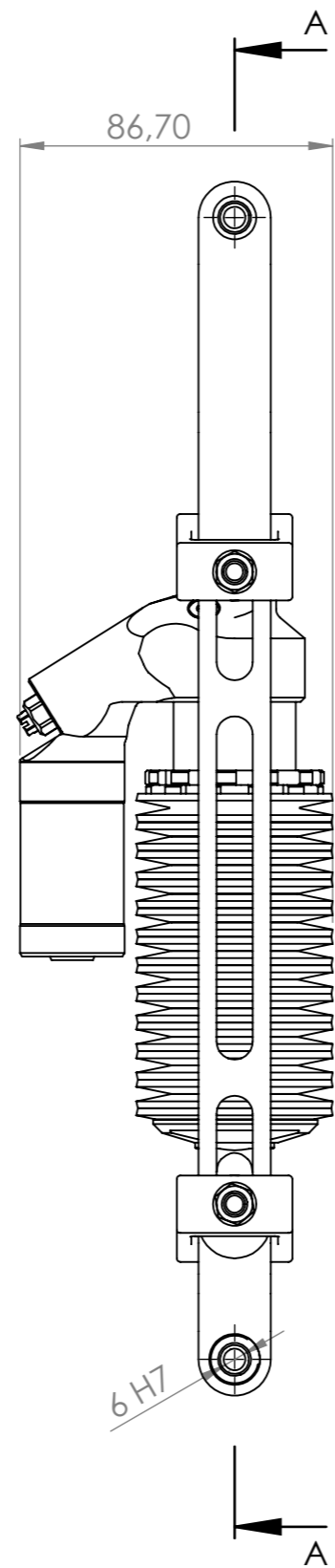
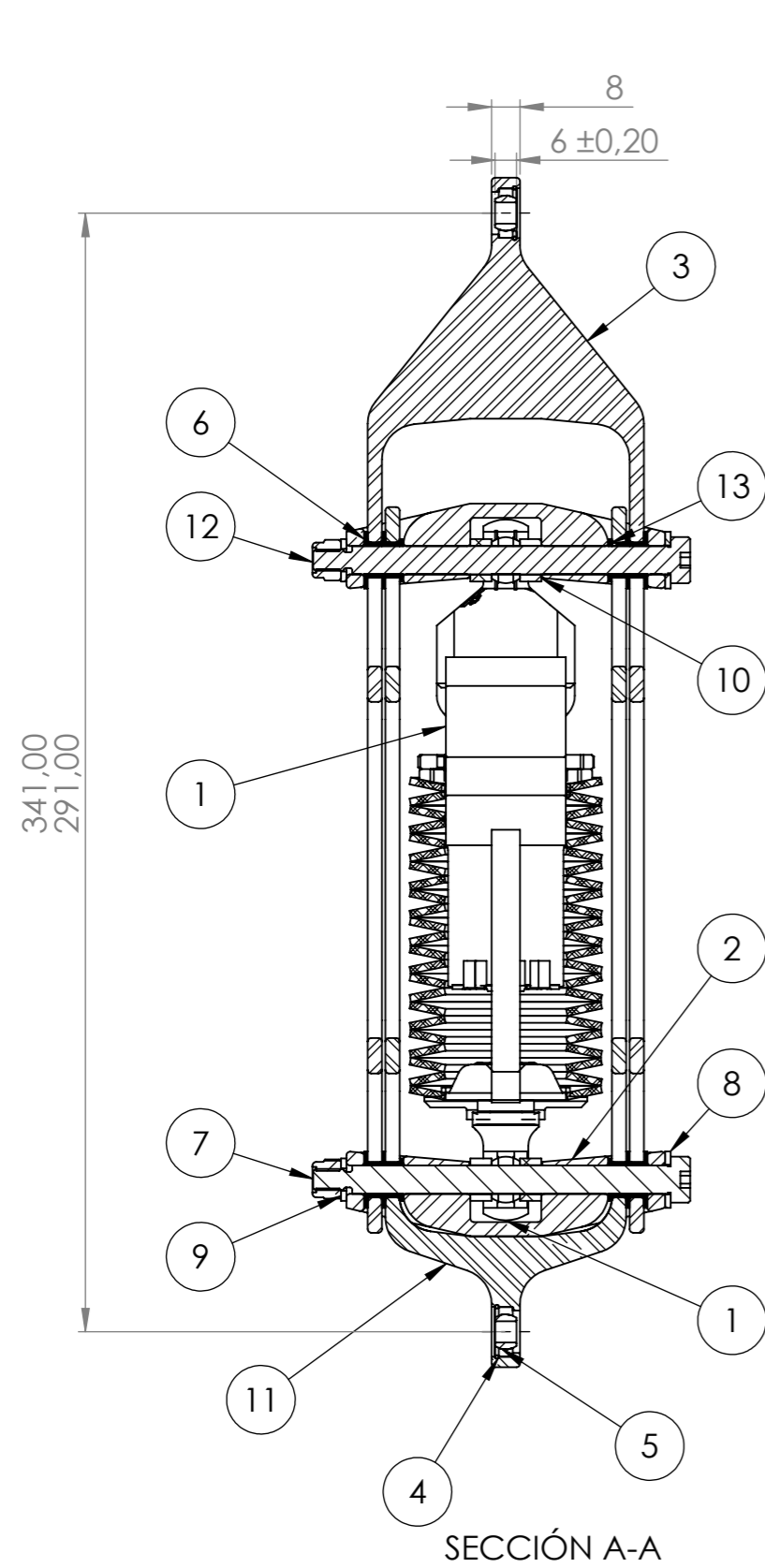
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Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	E003-PistóSimpleEfecteX2	A4
			Escala:1:2	Full 1 de 1	



	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-	-	Títol	E004-EsmorteidorHeave	A3
			Escala: 1:2	Full 1 de 1	


N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	C25.3-DB-FSAE Body'	1
2	DB-FSAE Piston Side (Modificat)	1
3	P015-InsertsM6	2
4	C33-HexagonNutISO4034-M6-C	1
5	C26.1-Tub20-12	1
6	C28-ABBSA-CCCBS_50_25	22
7	C27-EspàrrecM6x45	1
8	C39-SKF_SAKAC6M	1

	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E004-EsmorteidorHeave	A4
			Escala:1:2	Full 1 de 1	



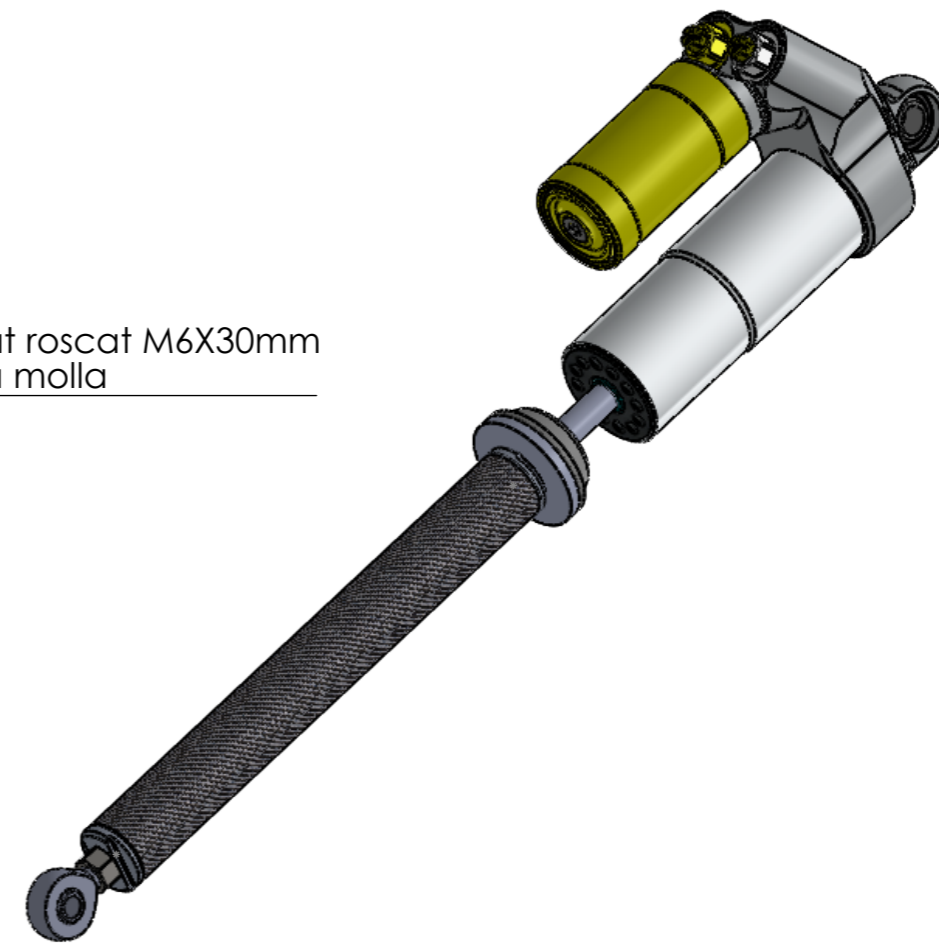
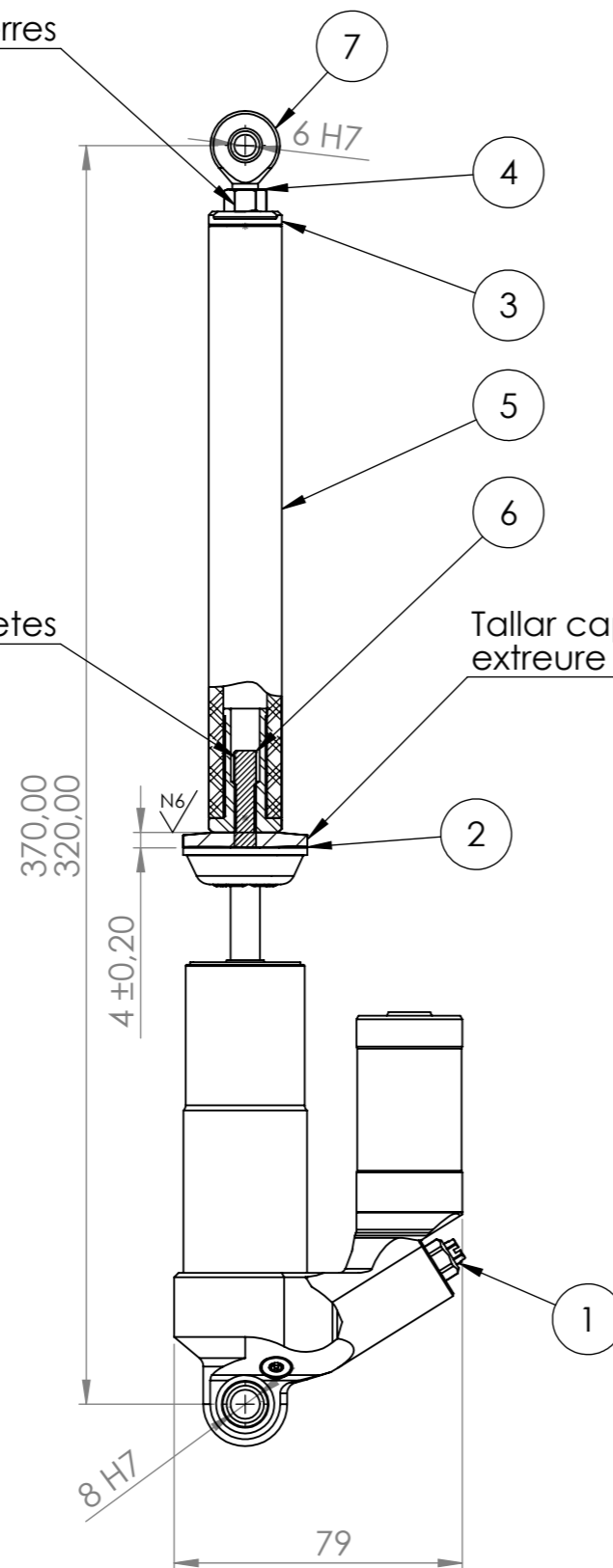
	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-	-	Títol	E005-EsmorteidorRollPitch	A3
			Escala:1:2	Full 1 de 1	

N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	C024-Ohlins TTX25 Shock	1
2	P008-UnióEntreGuiés	2
3	P007-GuiaExterior	1
4		2
5	C22-SKF_GE_6_C	2
6	C00-IGUS_0812-04	8
7	C29-DIN7379_8x90	2
8	C04-DIN9125_M8	2
9	C02-DIN9125_M6	2
10	C07-SeparadorALU_08x5	4
11	P006-GuiaInterior	1
12	C09-ISO-7040-M6-C	2
13	C035-IGUS35588158P	4

	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E005-EsmorteidorRollPitch	A4
			Escala:1:2	Full 1 de 1	


Unió de rosca esquerres

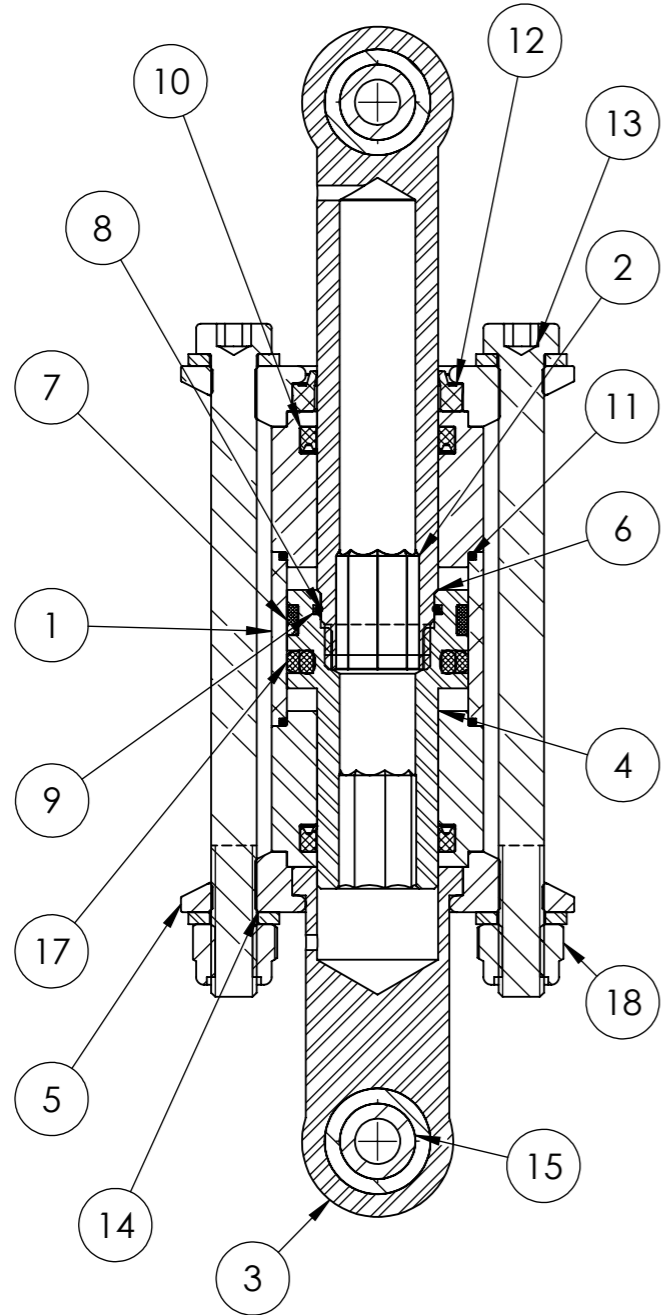
Unió de rosca dretes



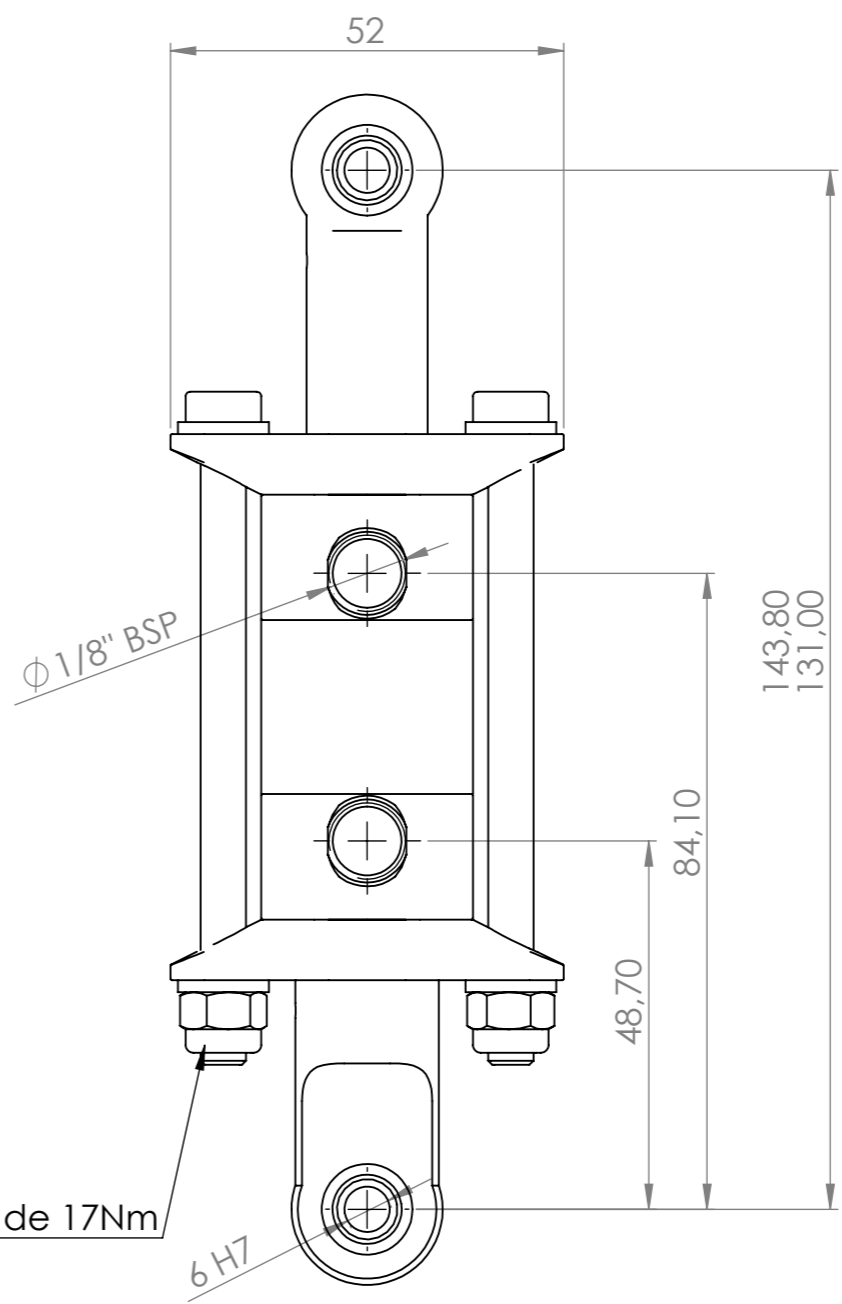
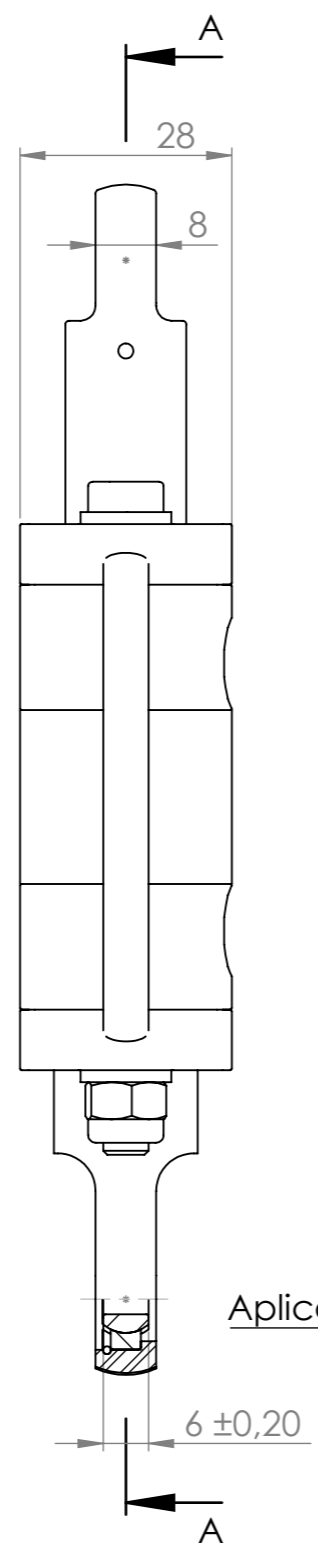
	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E006-EsmorteidorWarp	A3
			Escala: 1:2	Full 1 de 1	

N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	C25.1-DB-FSAE Body	1
2	C25.2DB-FSAE Piston Side	1
3	P015-InsertsM6	2
4	C33-HexagonNutISO4034-M6-C	1
5	C26.1-Tub20-12	1
6	C27-EspàrrecM6x45	1
7	C39-SKF_SAKAC6M	1

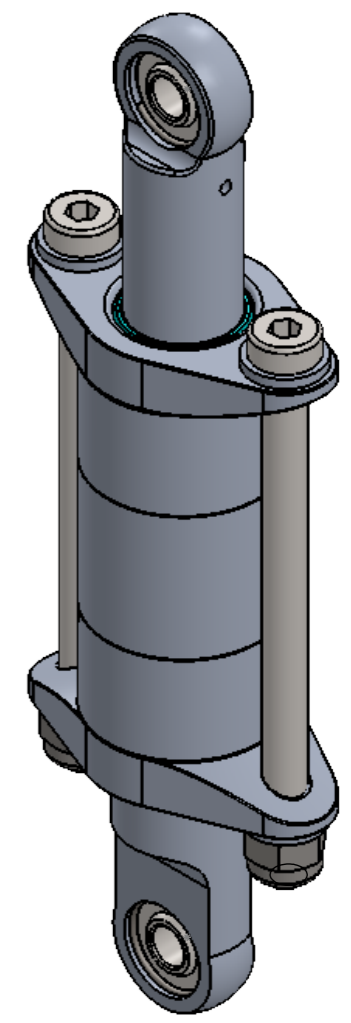
	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	E006-EsmorteidorWarp	A4
			Escala:1:2	Full 1 de 1	



SECCIÓN A-A



Aplicar parell de 17Nm



El pistó ha de desplaçar-se $\pm 6,4$ mm en cas que el desplaçament estigui fora de la tolerància indicada desmontar-lo i revisar-el.

	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	-	-	Títol

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E007-PistóDobleEfecteX2

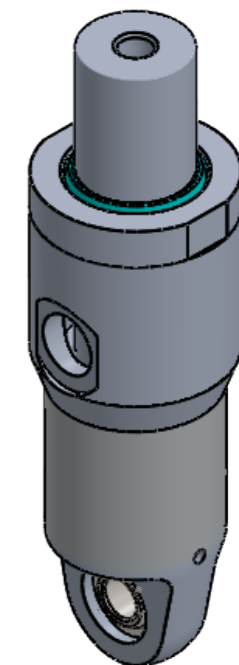
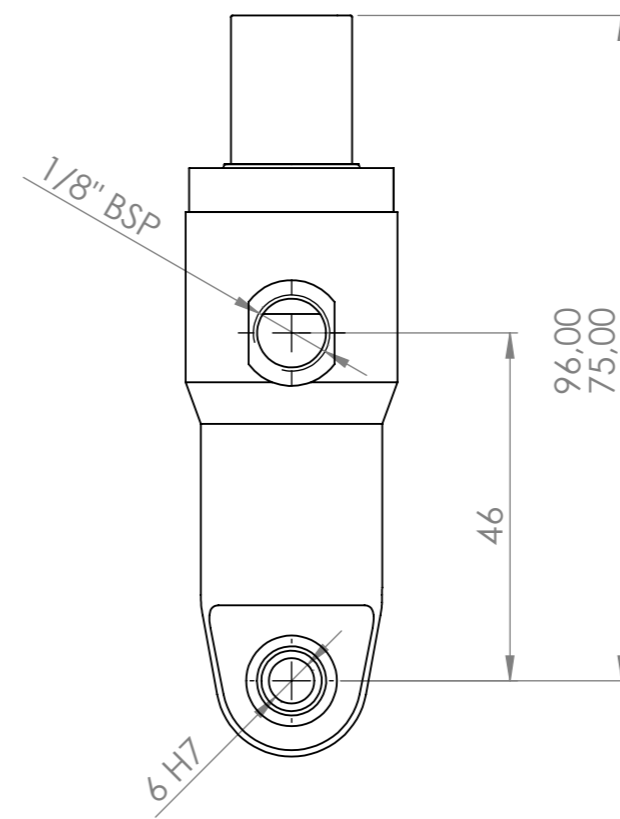
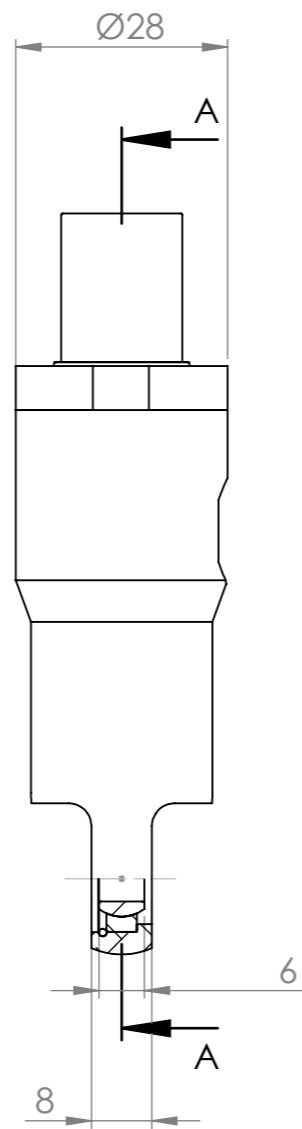
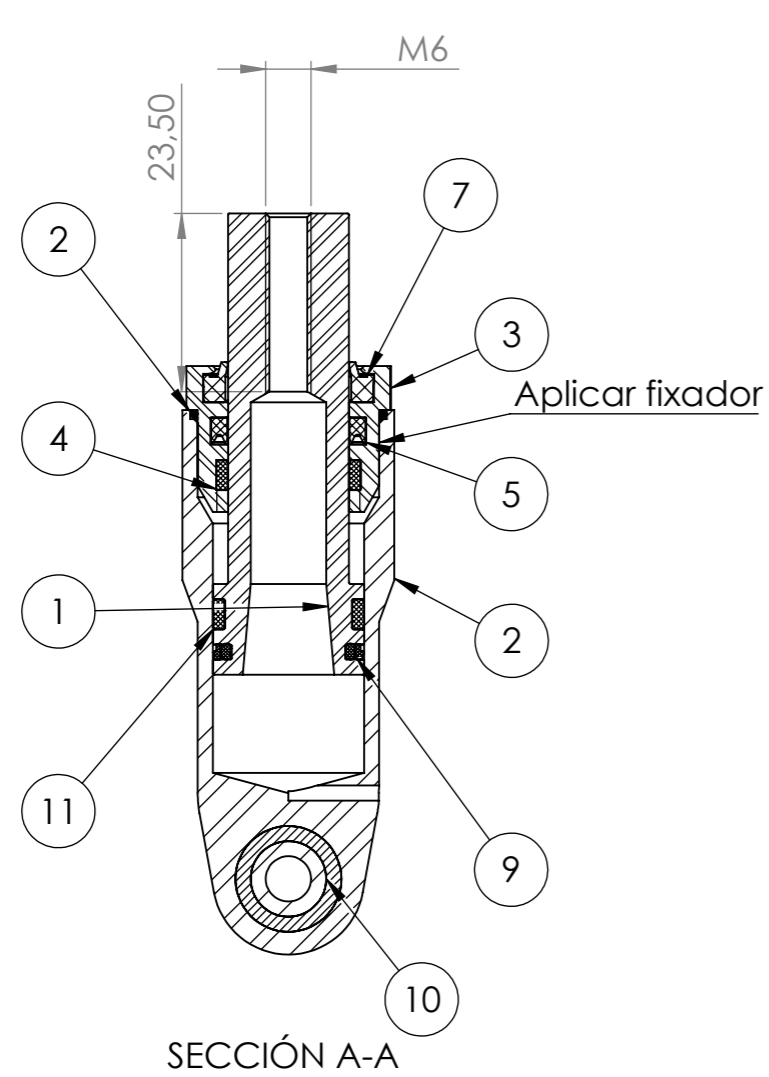
A3

Escala:1:1

Full 1 de 1

N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	P009-CamisaDobleEfecte	1
2	P010-ÈmbolDobleEfecteP1	1
3	P011-UnióPistó	1
4	P012-EntradaPistóSimpleEfecte	2
5	P013-AbrasaderaPistó	2
6	P014-ÈmbolDobleEfecteP2	1
7	C16-trelleborg_gp4300240-hm061	1
8	C17-trelleborg_OR1001400-E70	1
9	C18-trelleborg_AER1001400-E70	1
10	C19-trelleborg_ru9000160-z20	2
11	C20-trelleborg_OR1002400-E70	2
12	C21-trelleborg_wne000160-z201	1
13	C13-DIN7984_M6x1-85	2
14	C02-DIN9125_M6	4
15	C22-SKF_GE_6_C	2
16		2
17	C24-trelleborg_pt0100240-m12n	1
18	C09-ISO-7040-M6-C	2


	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E007-PistóDobleEfecteX2	A4
			Escala:1:1	Full 1 de 1	



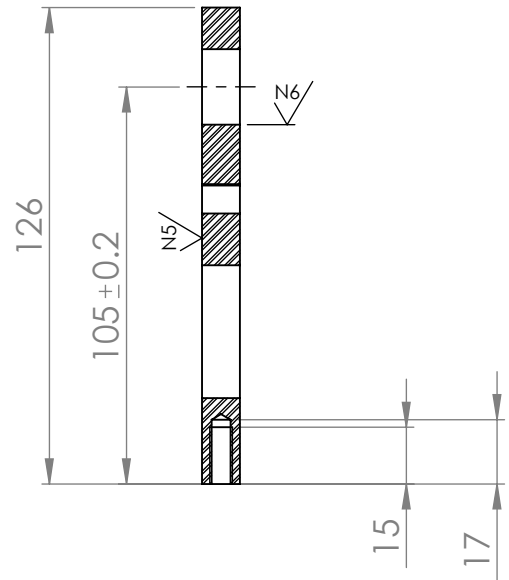
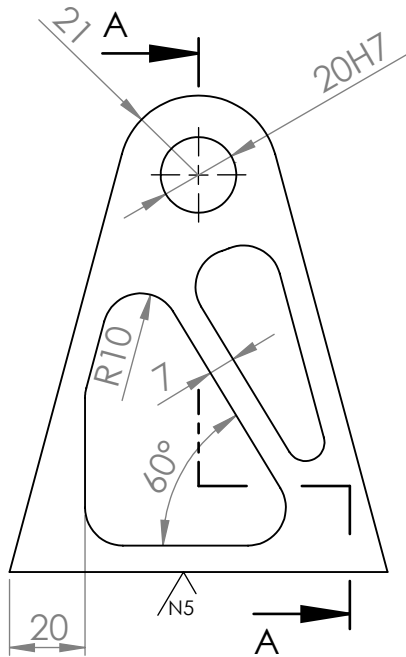
El pistó ha de extendres 12 mm deixant un marge de 10 mm amb el centre de la toma en cas que el desplaçament estigui fora de la tolerància indicada desmontar-lo i revisar-el.

	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E010-PistóSimpleEfecte	A3
			Escala:1:1	Full 1 de 1	

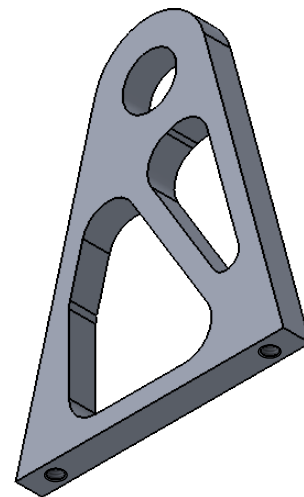
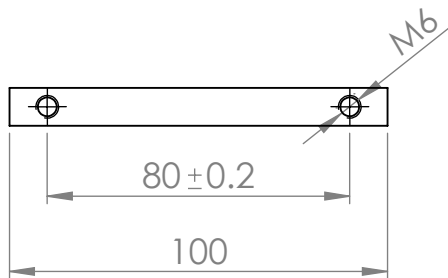
N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	P017-ÈmbolSimpleEfecteP2	1
2	P018-CamisaSimpleEfecte	1
3	P019-CapSimpleEfecte	1
4	C34-trelleborg_gr4300160-t47	1
5	C19-trelleborg_ru9000160-z20	1
6	C36-trelleborg_OR1002400-E70	1
7	C21-trelleborg_wne000160-z201	1
8		1
9	C37-trelleborg_psk000200-m12n	1
10	C22-SKF_GE_6_C	1
11	C35-trelleborg_GP4300200-HM061	1

	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E010-PistóSimpleEfecte	A4
			Escala:1:1	Full 1 de 1	

Trempat i revingut

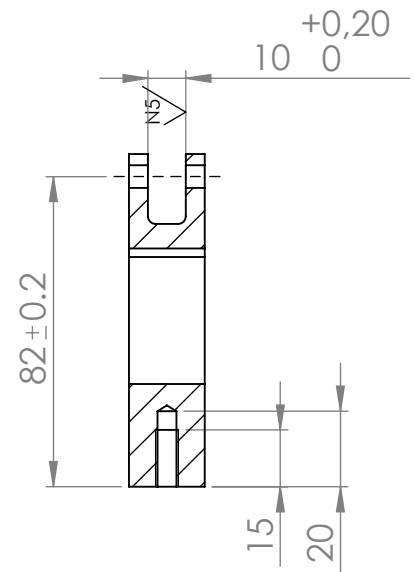
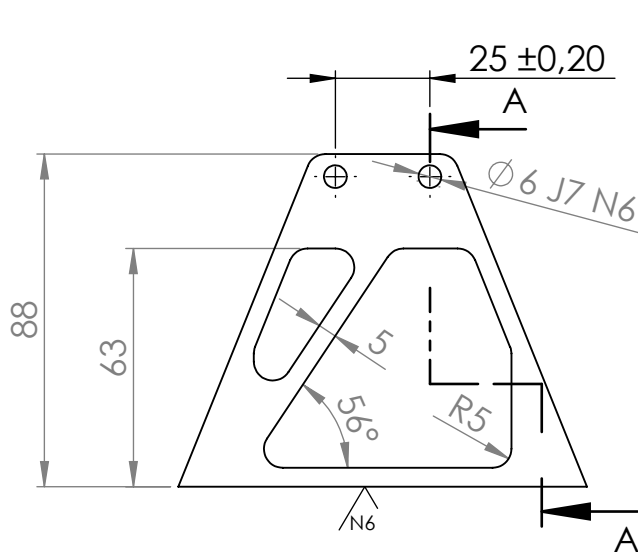


SECCIÓN A-A

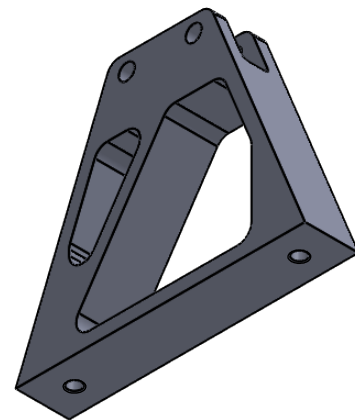
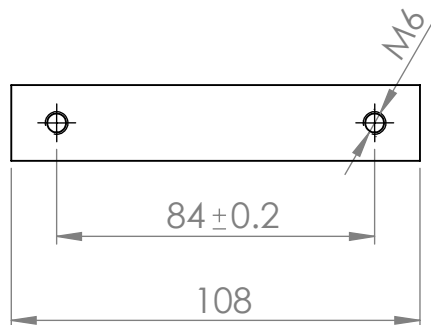



	Nom	Firma	Data	<p>Universitat de Girona</p>	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprobat	-	-	-		
Material	7075-T6		Títol	P001-SuportUnitats	A4
			Escala:1:2	Full 1 de 1	

Trempat i revingut
 N7
 (N5, N6)

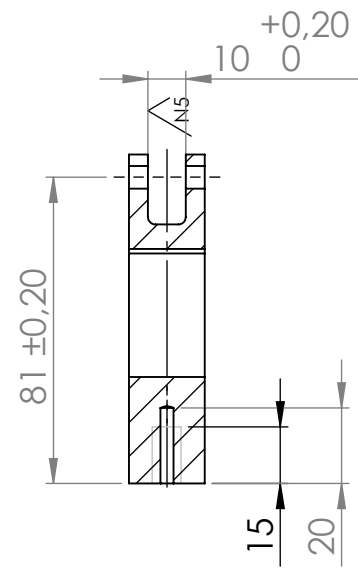
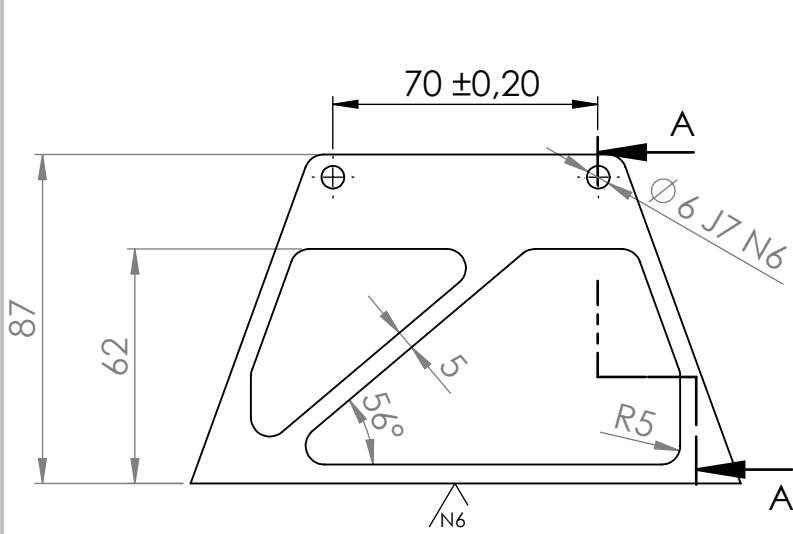


SECCIÓN A-A

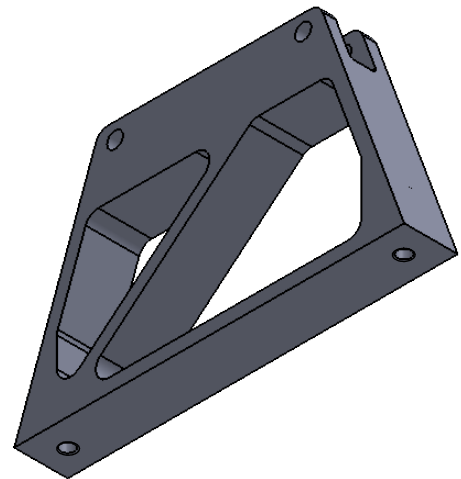
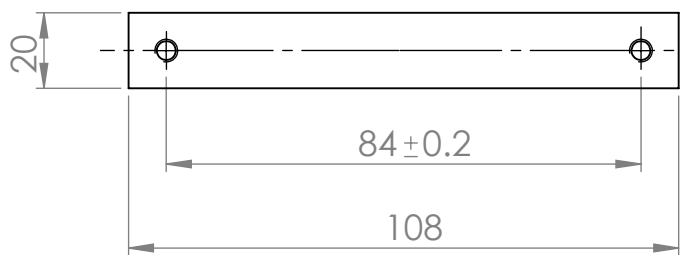



	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprobat	-	-	-		
Material	7075-T6		Títol	P002-SuportUnitatPH	A4
			Escala:1:2	Full 1 de 1	

Trempat i revingut
 N7
 (N5, N6)



SECCIÓN A-A

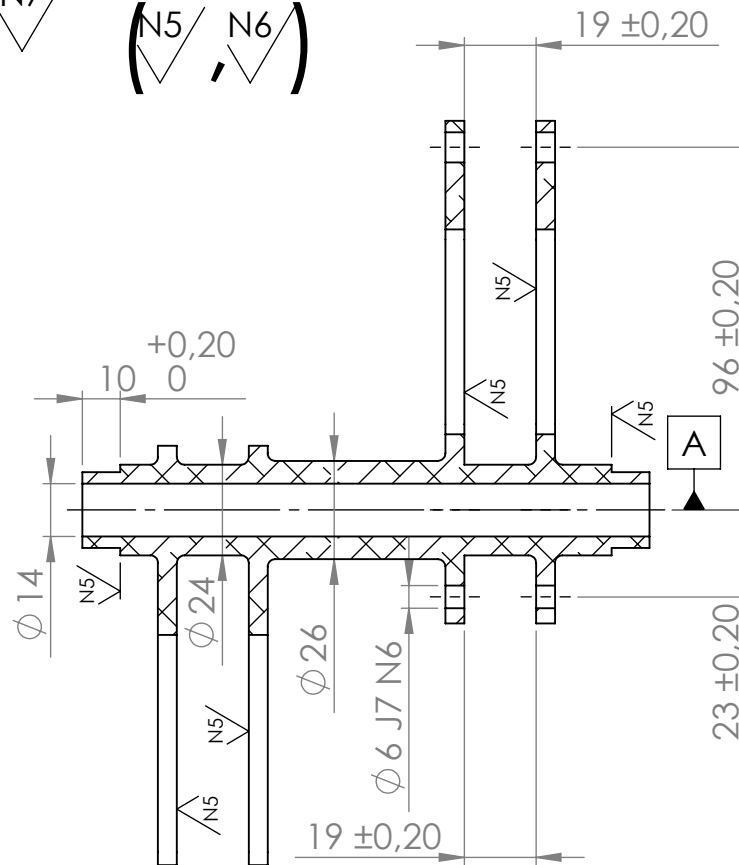


	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P003-SuportUnitatRW	A4
			Escala:1:2	Full 1 de 1	

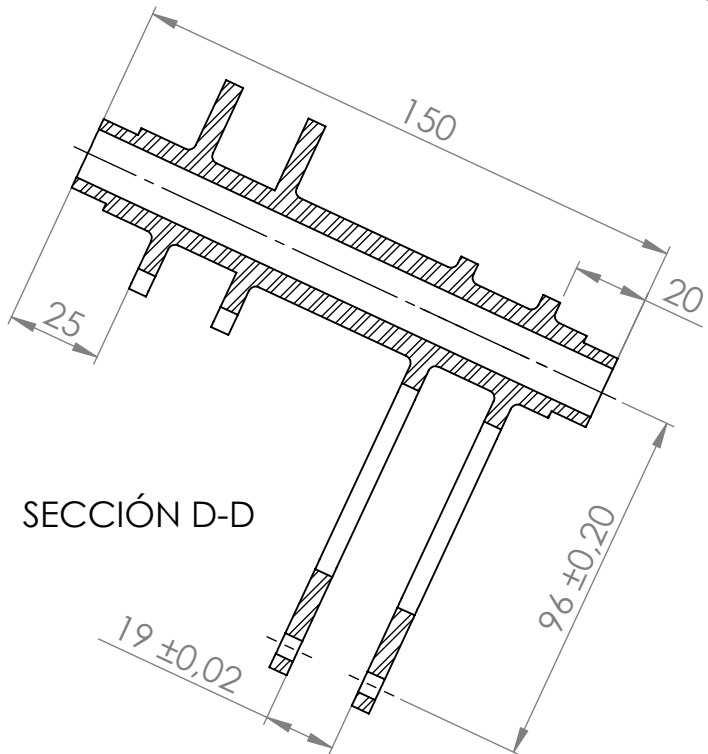
Trempat i revingut

N7

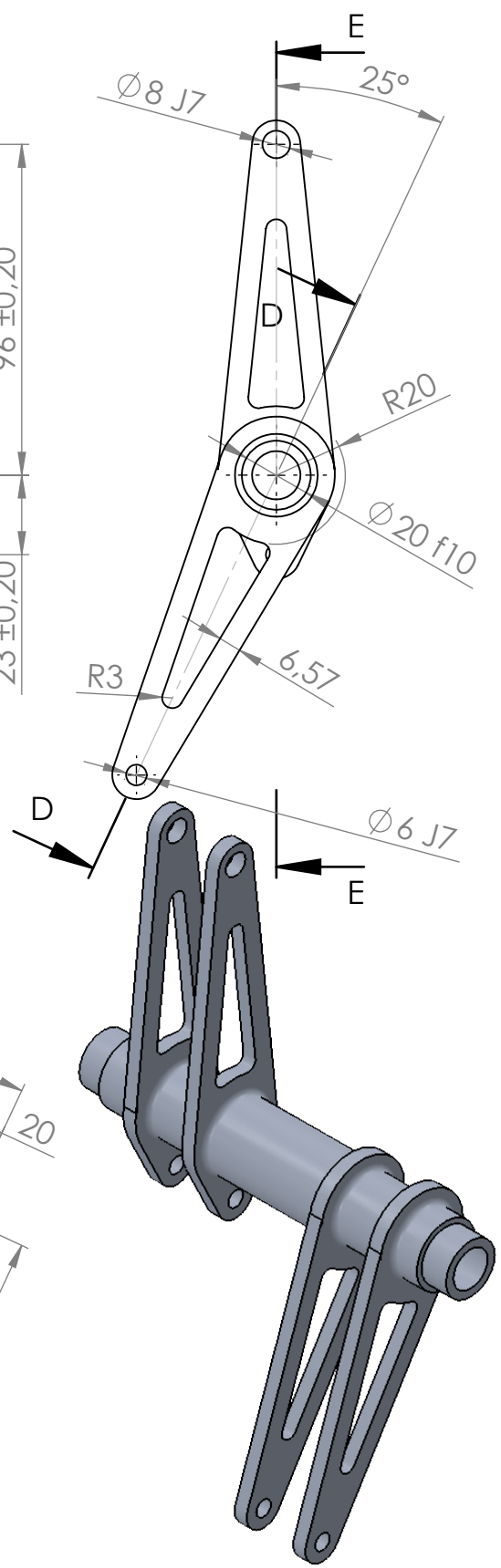
(N5 / N6)



SECCIÓ E-E



SECCIÓ D-D



	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	7075-T6		Títol

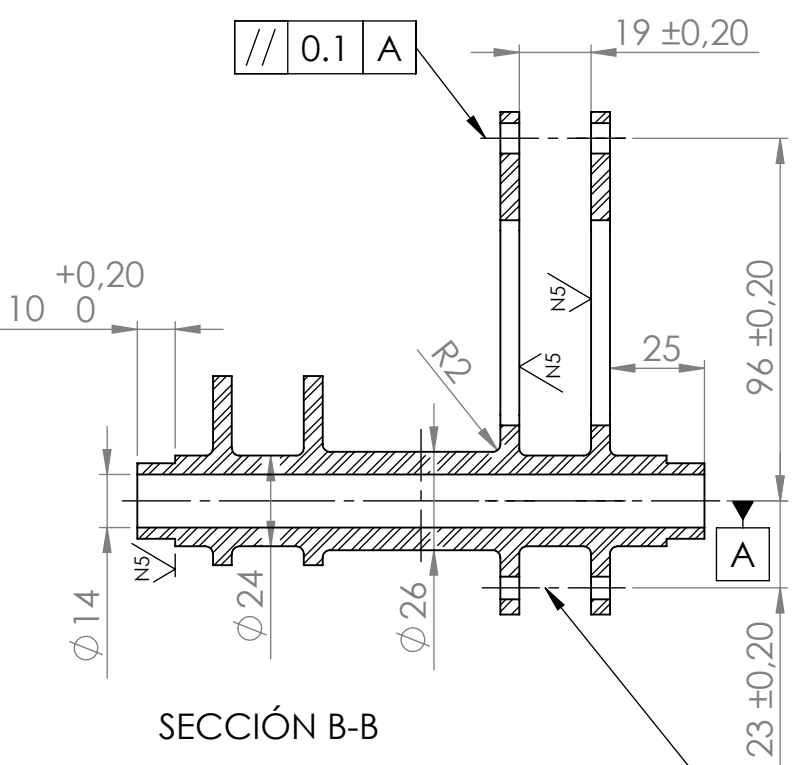
Universitat de Girona

P004-TrapeziDret

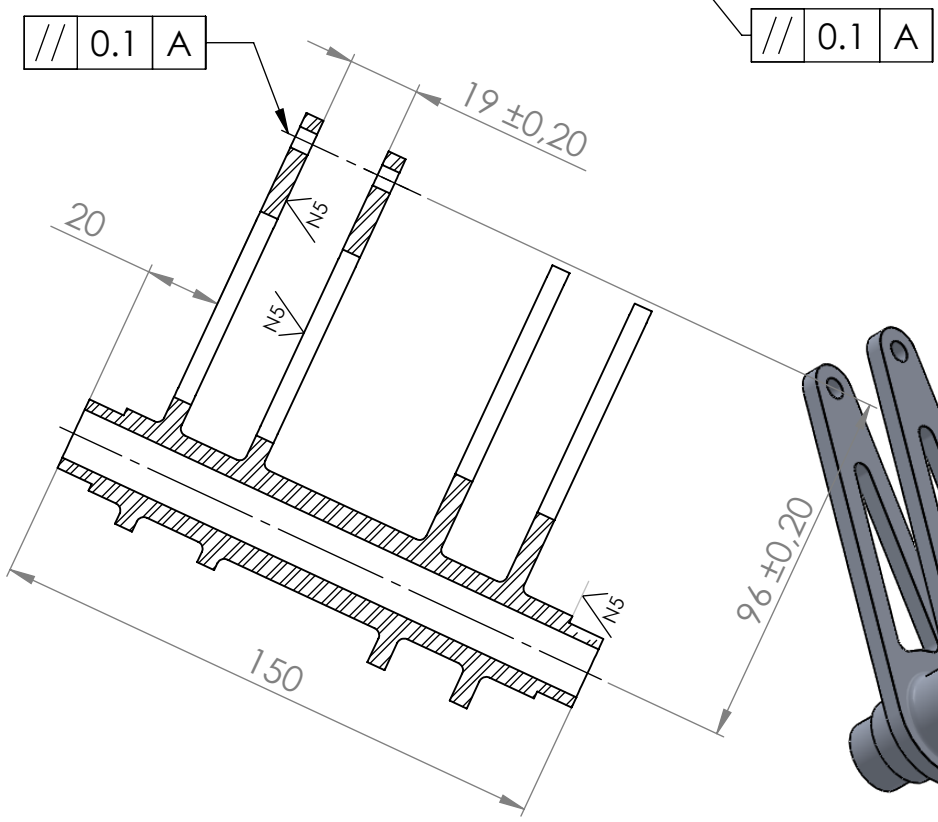
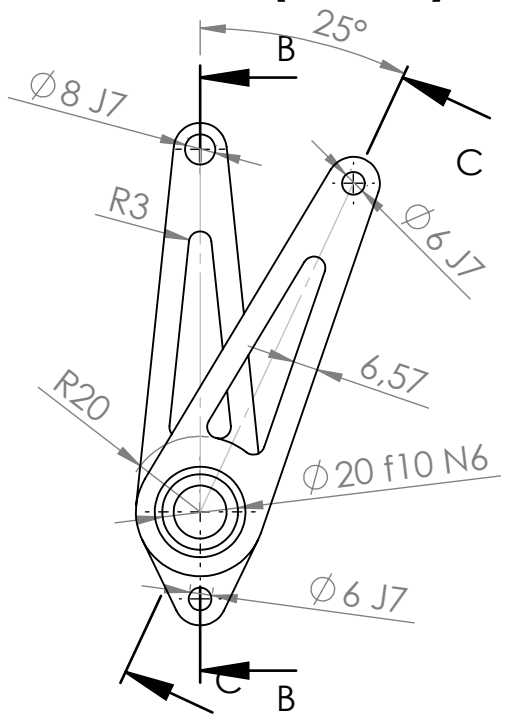
A4

Trempat i revingut

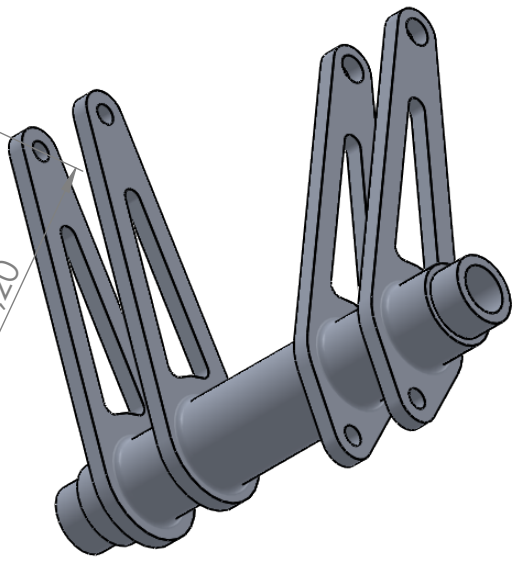
N7
(N5, N6)



SECCIÓ B-B



SECCIÓ C-C



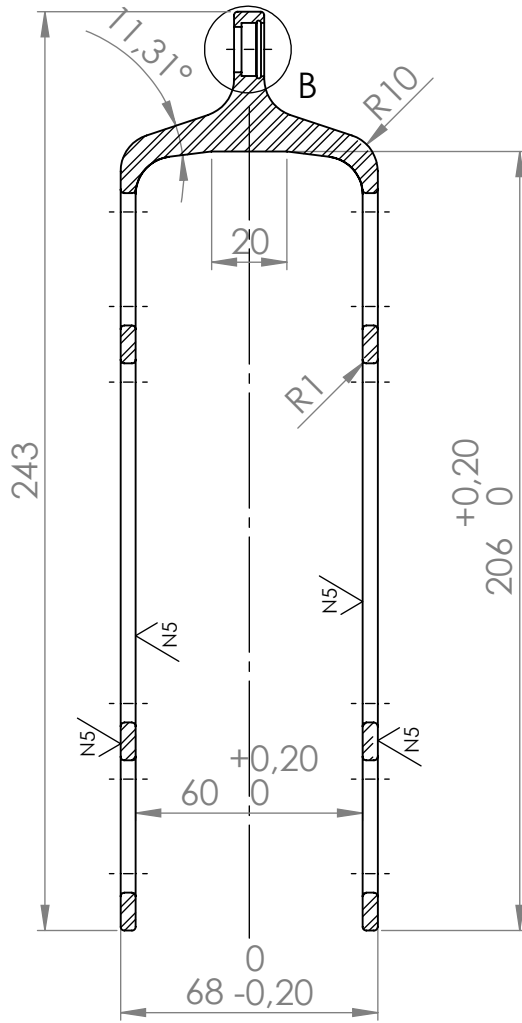
	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	7075-T6		Títol

Universitat de Girona

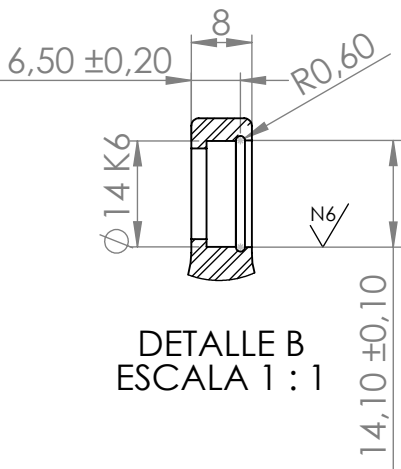
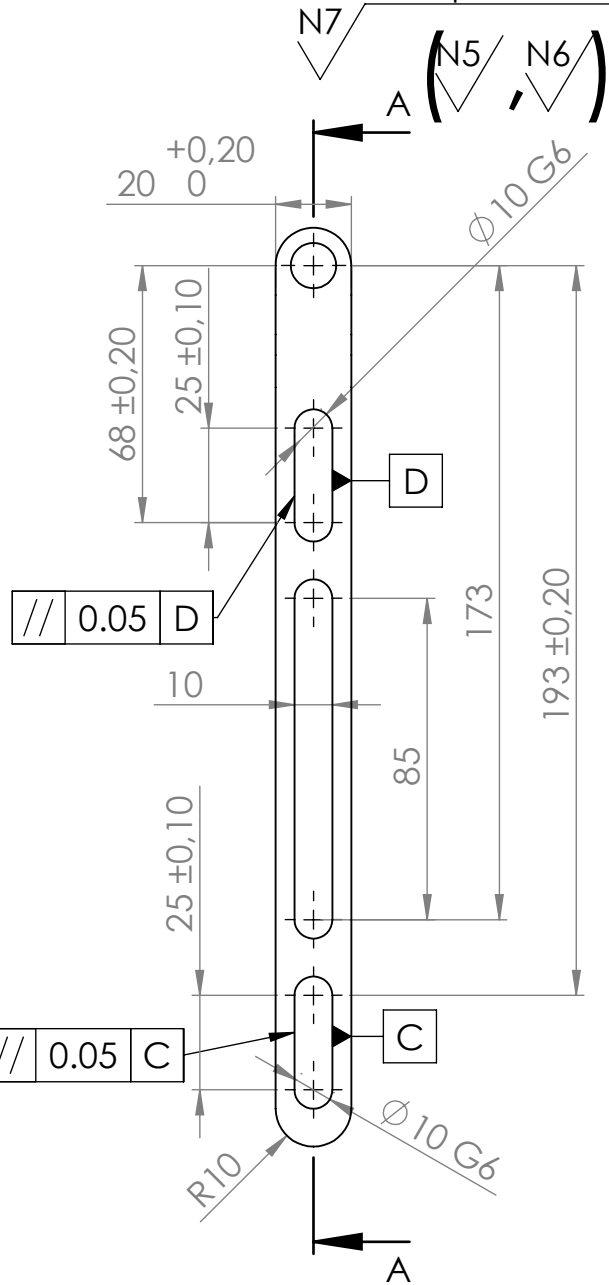
P005-TrapeziEsquerra

A4

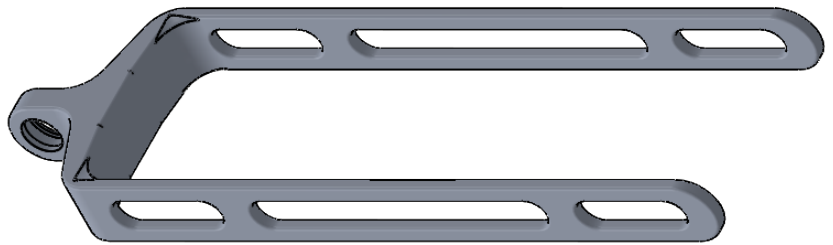
Trempat i revingut



SECCIÓN A-A



DETALLE B
ESCALA 1 : 1



	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	7075-T6		Títol

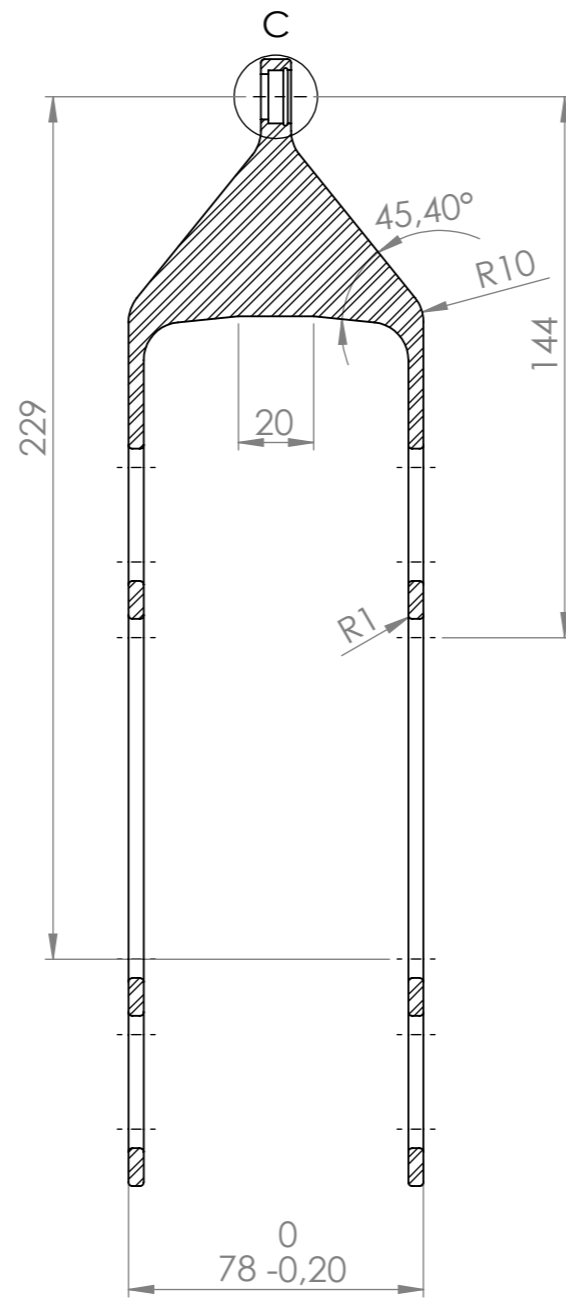
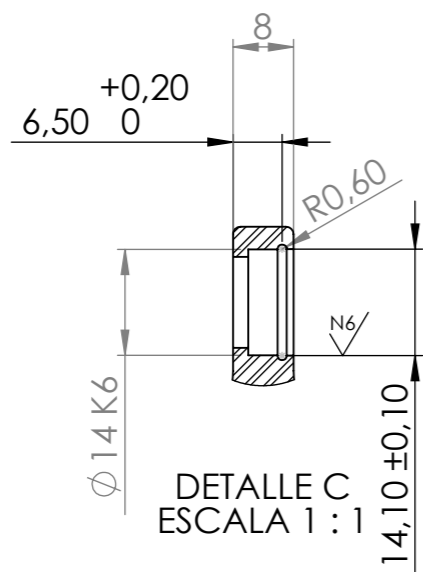
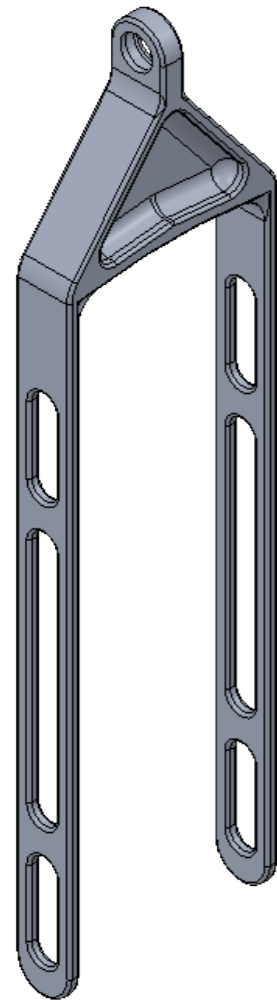
Universitat de Girona

P006-GuiaInterior

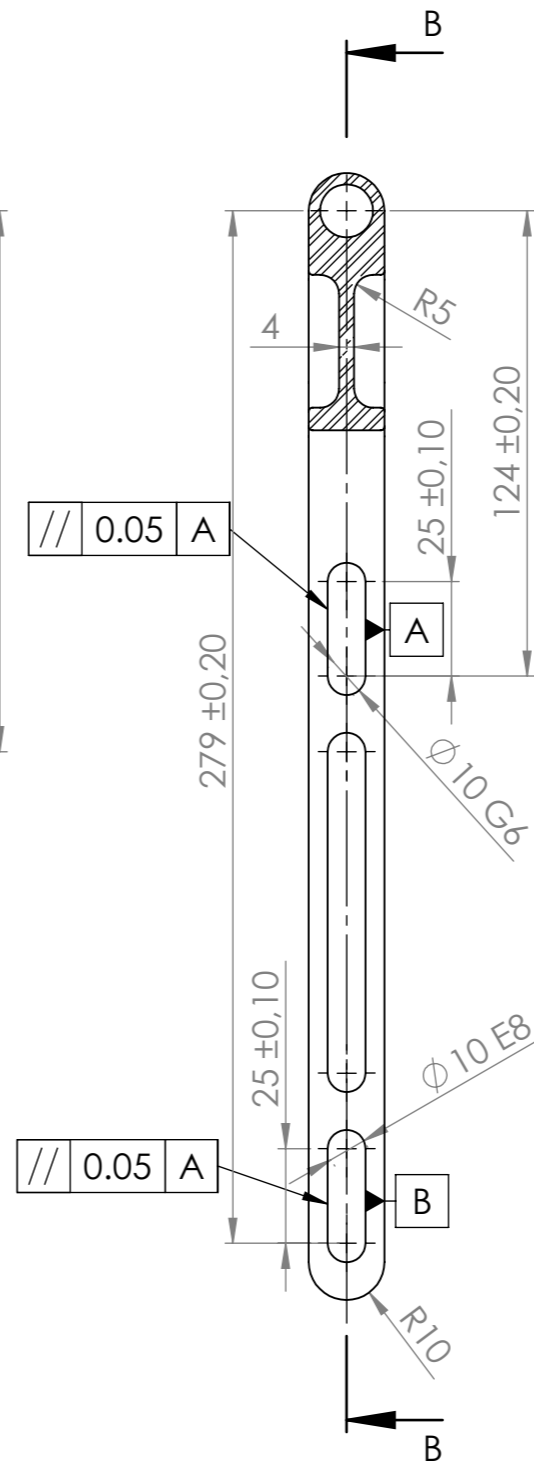
A4

Trempat i revingut

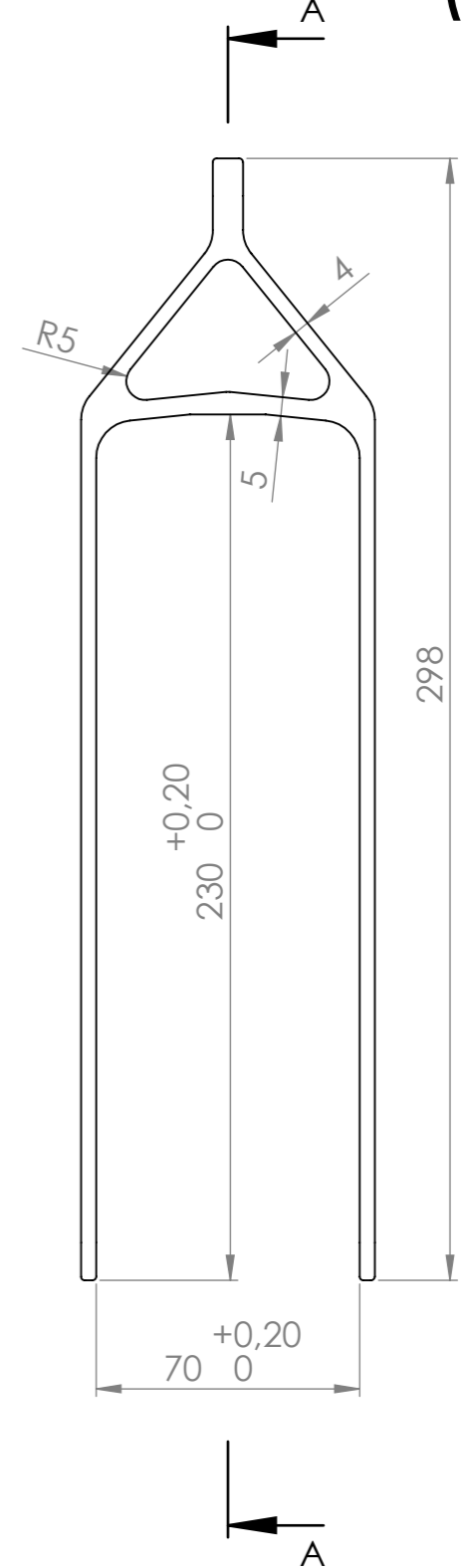
N7
(N5, N6)



SECCIÓN B-B



SECCIÓN A-A



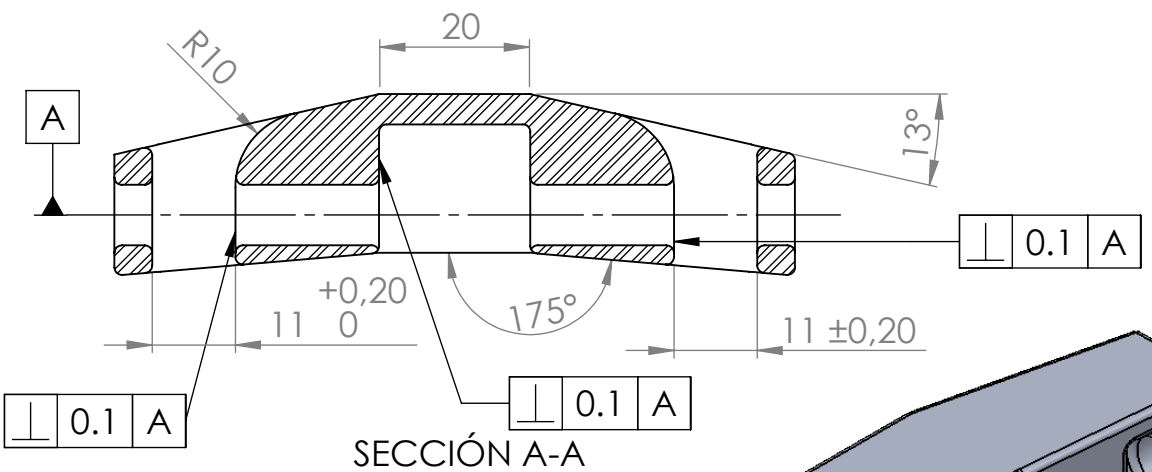
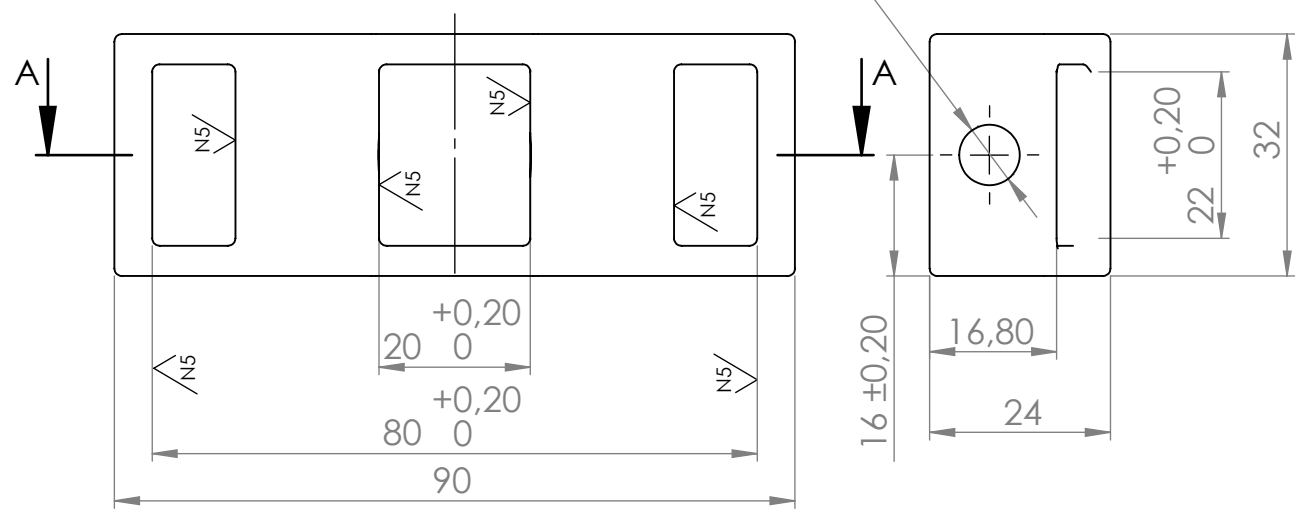
	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	7075-T6		Títol

Universitat de Girona

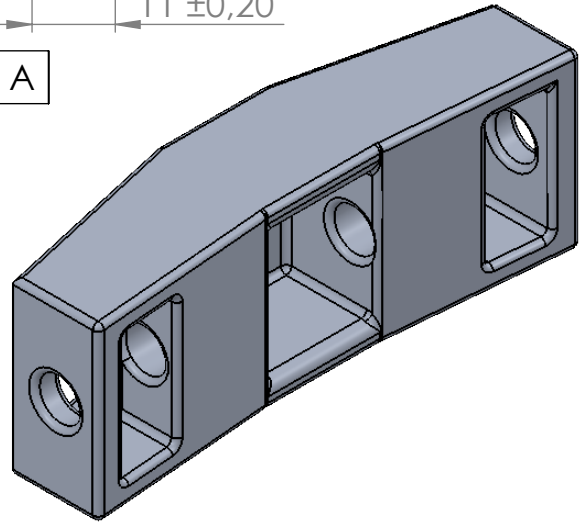
P007-GuiaExterior

A3

Trempat i revingut

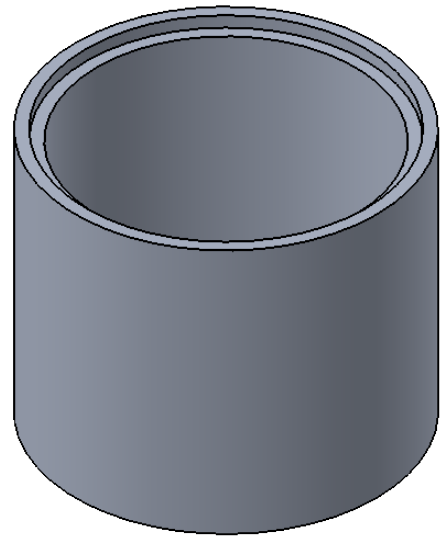
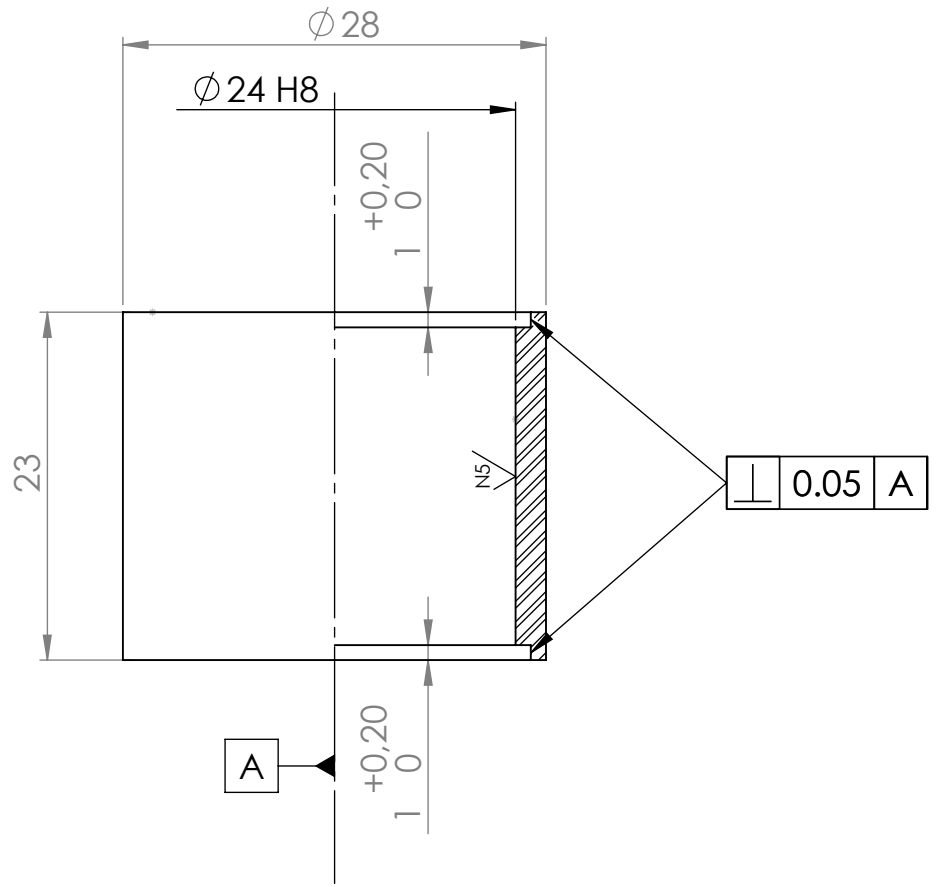



SECCIÓ A-A



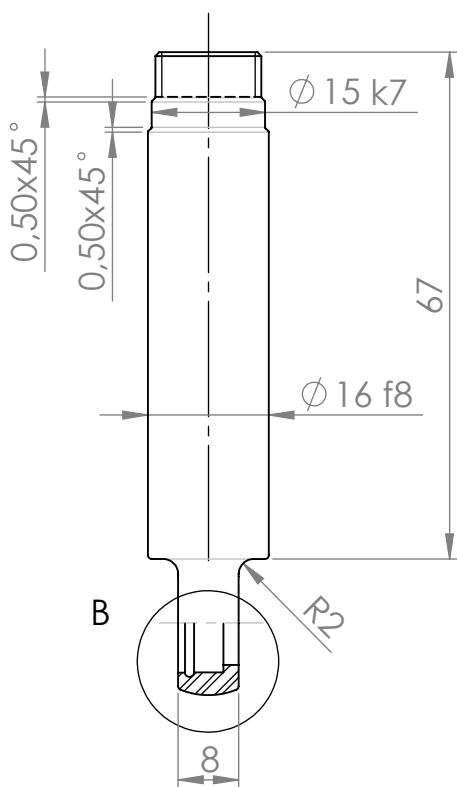
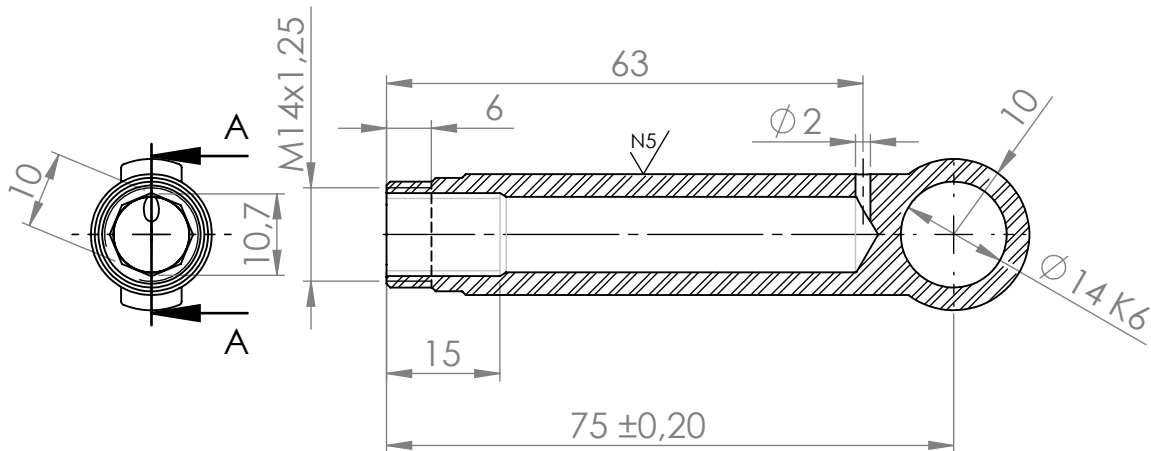
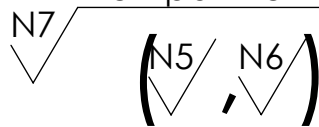
	Nom	Firma	Data	<p>Universitat de Girona</p>	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P008-UnióEntreGuies	A4
			Escala:1:1	Full 1 de 1	

Trempat i revingut
 N7 N5

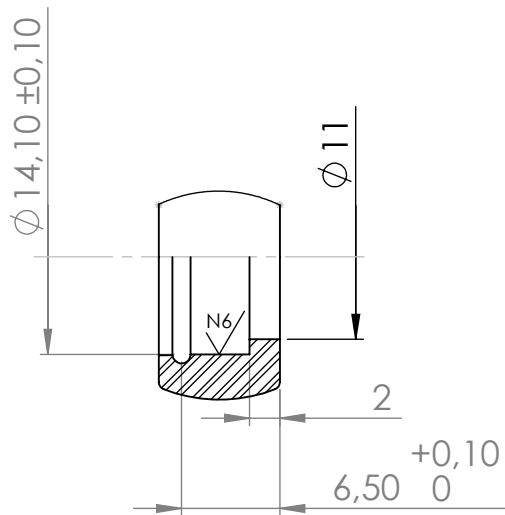


	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprobat	-	-	-		
Material	7075-T6		Títol	P009-CamisaDobleEfecte	A4
			Escala:2:1	Full 1 de 1	

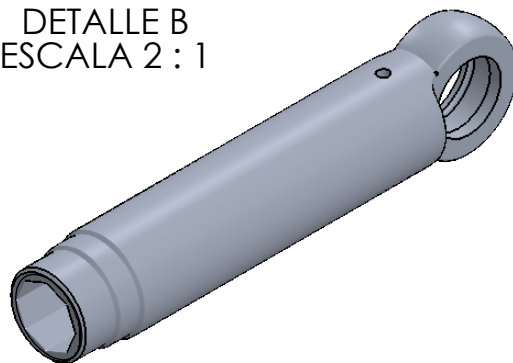
Trempat i revingut



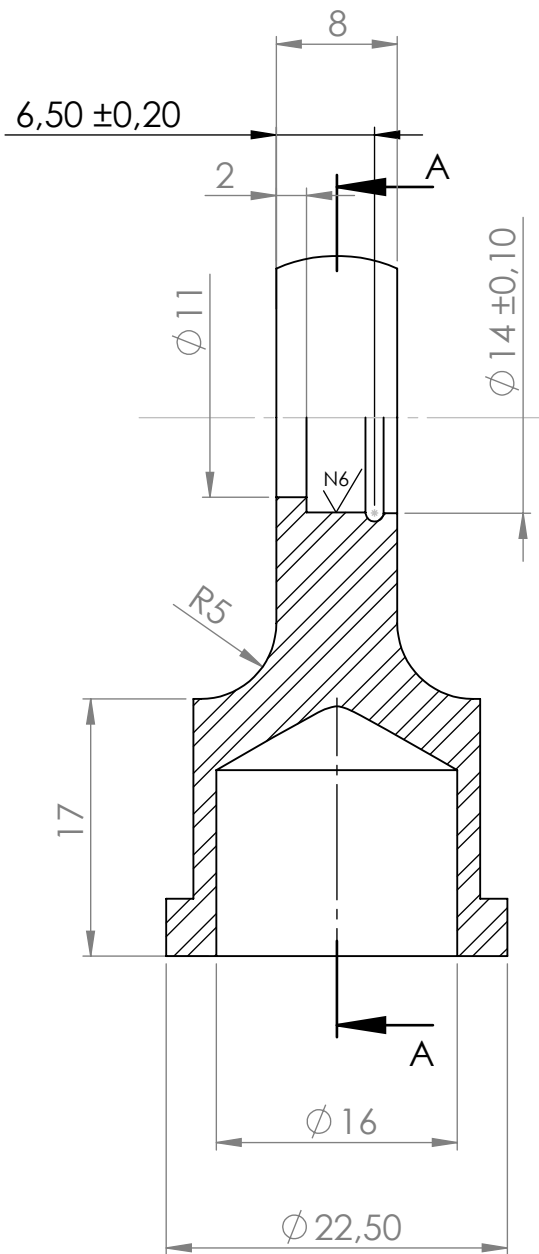
SECCIÓN A-A



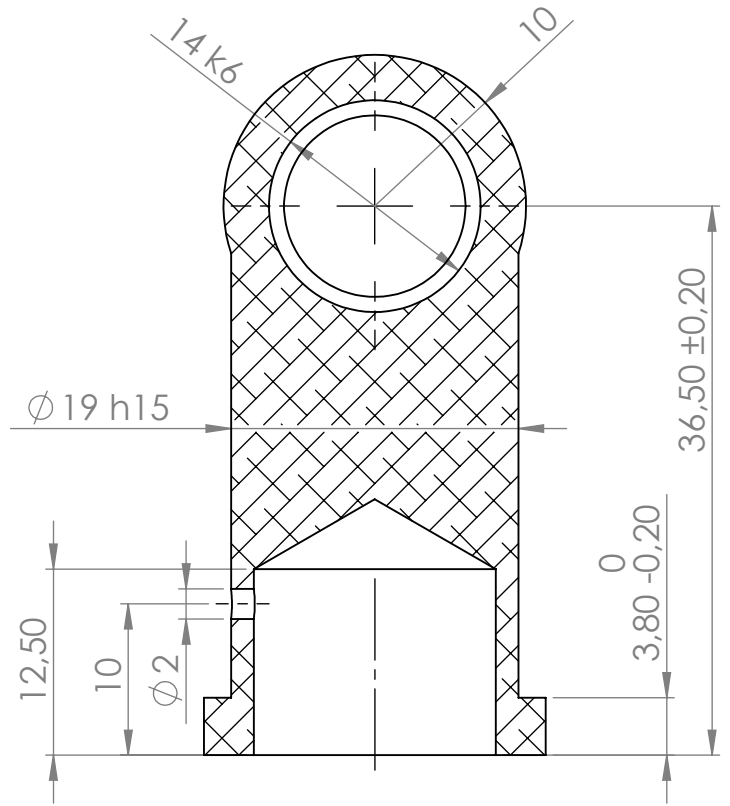
DETALLE B
ESCALA 2 : 1



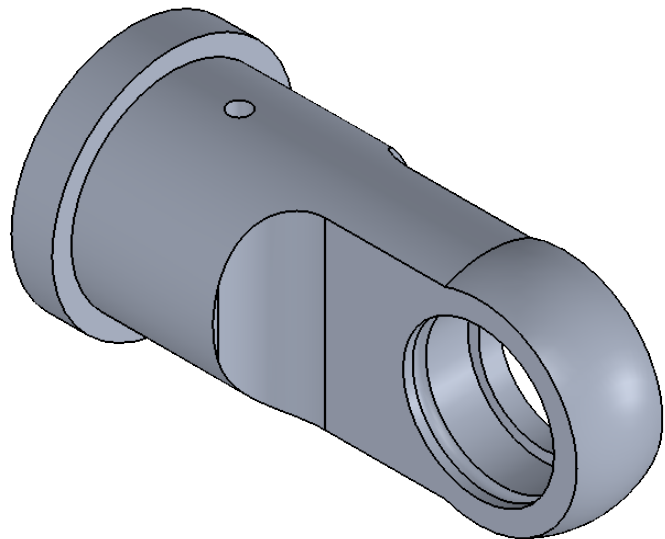
	Nom	Firma	Data	<p>Universitat de Girona</p>	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P010-ÈmbolDobleEfecteP1	A4
			Escala:1:1	Full 1 de 1	




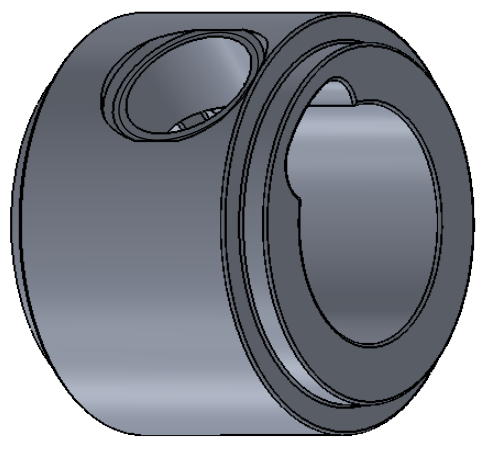
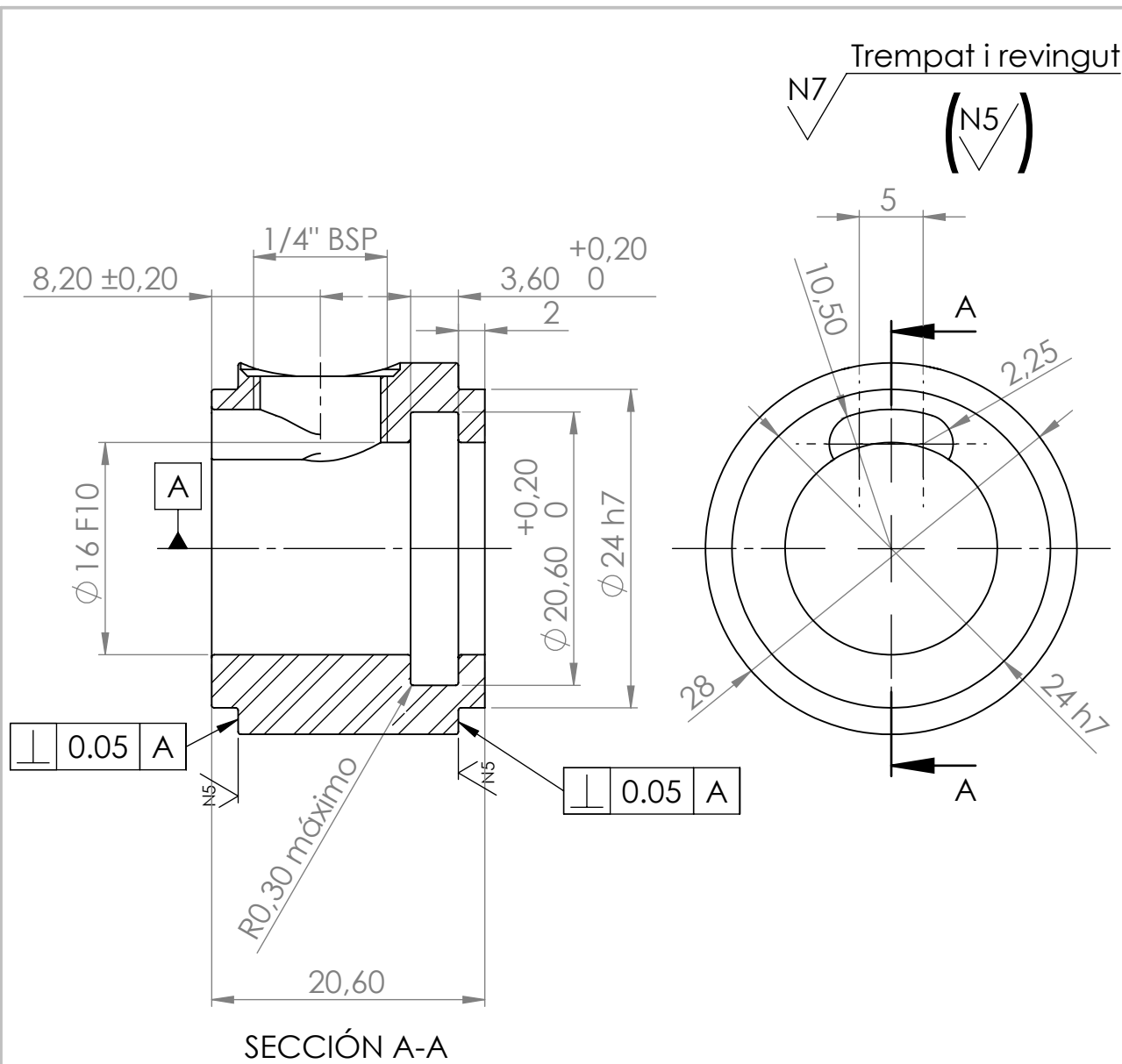
Trempat i revingut
 N7 (N6)



SECCIÓN A-A



	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P011-UnióPistó	A4
			Escala:2:1	Full 1 de 1	

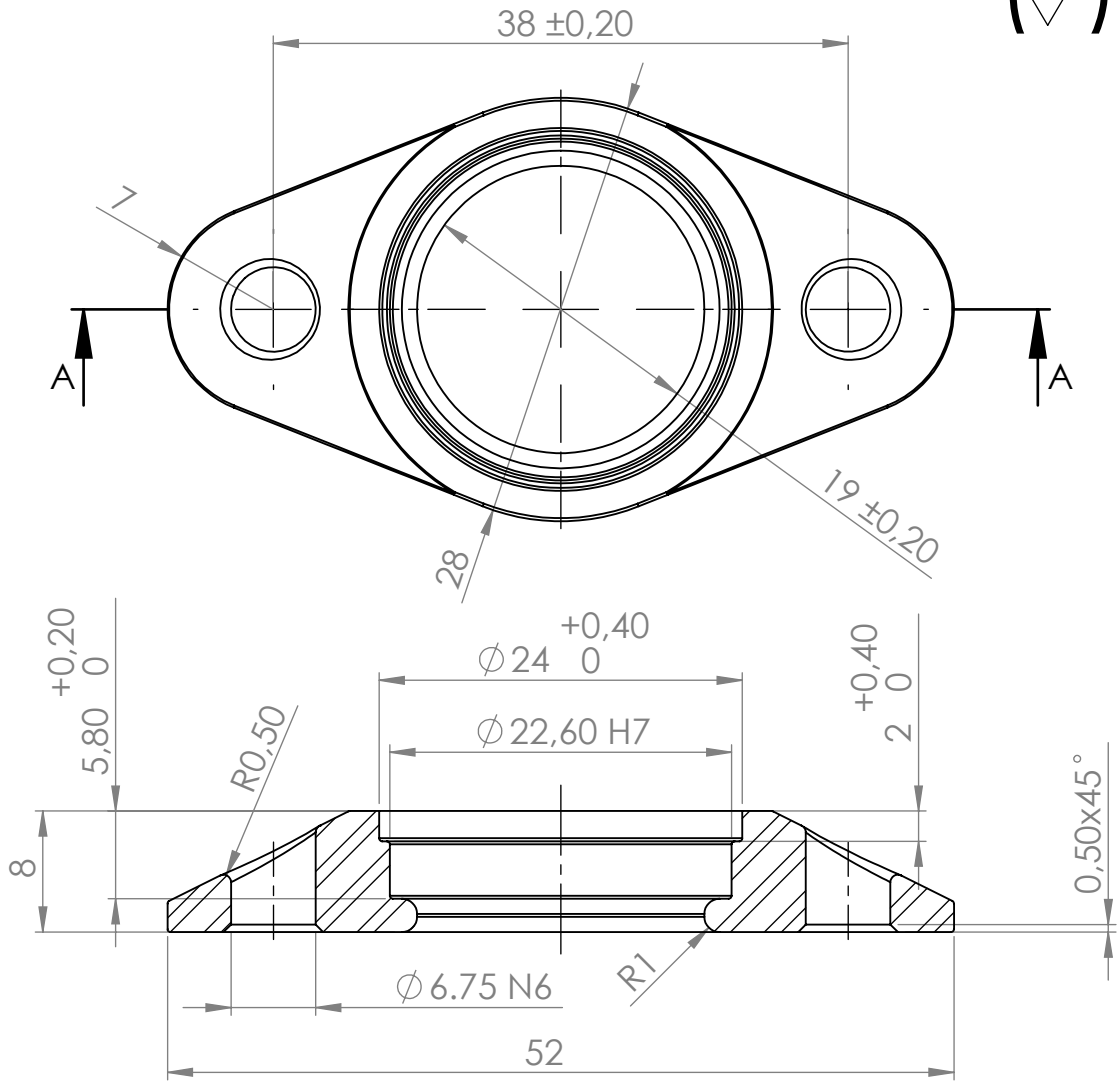


	Nom	Firma	Data	<p>Universitat de Girona</p>	<p>P012-EntradaPistóSimpleEfecte</p>	<p>A4</p>
Autor	Oriol Dachs	O.Dachs	25/08/19			
Verificat	-	-	-			
Aprovat	-	-	-			
Material	7075-T6		Títol			
			Escala:2:1	Full 1 de 1		

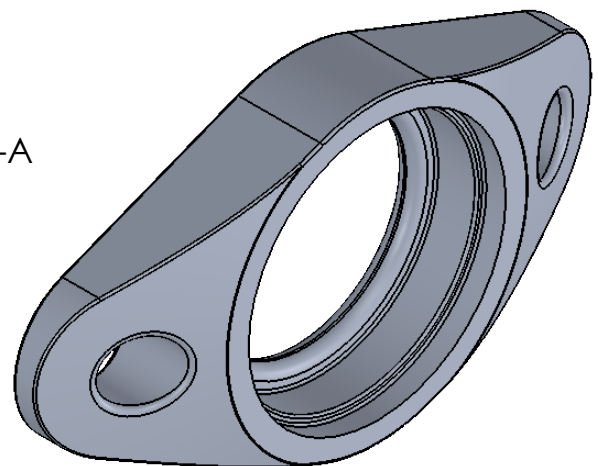
Trempat i revingut

N7

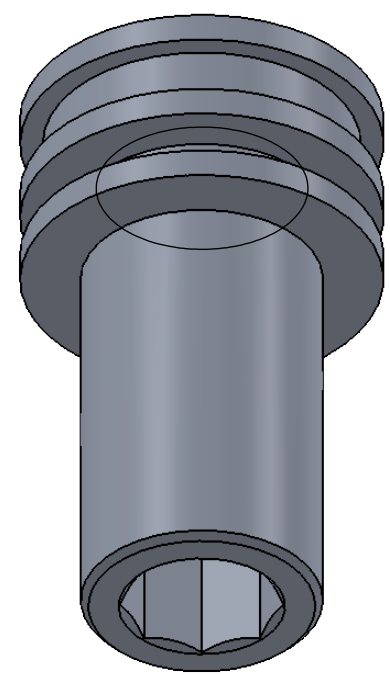
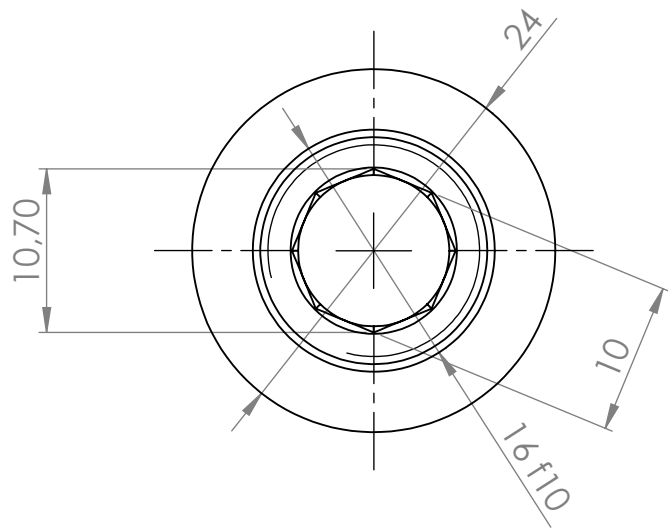
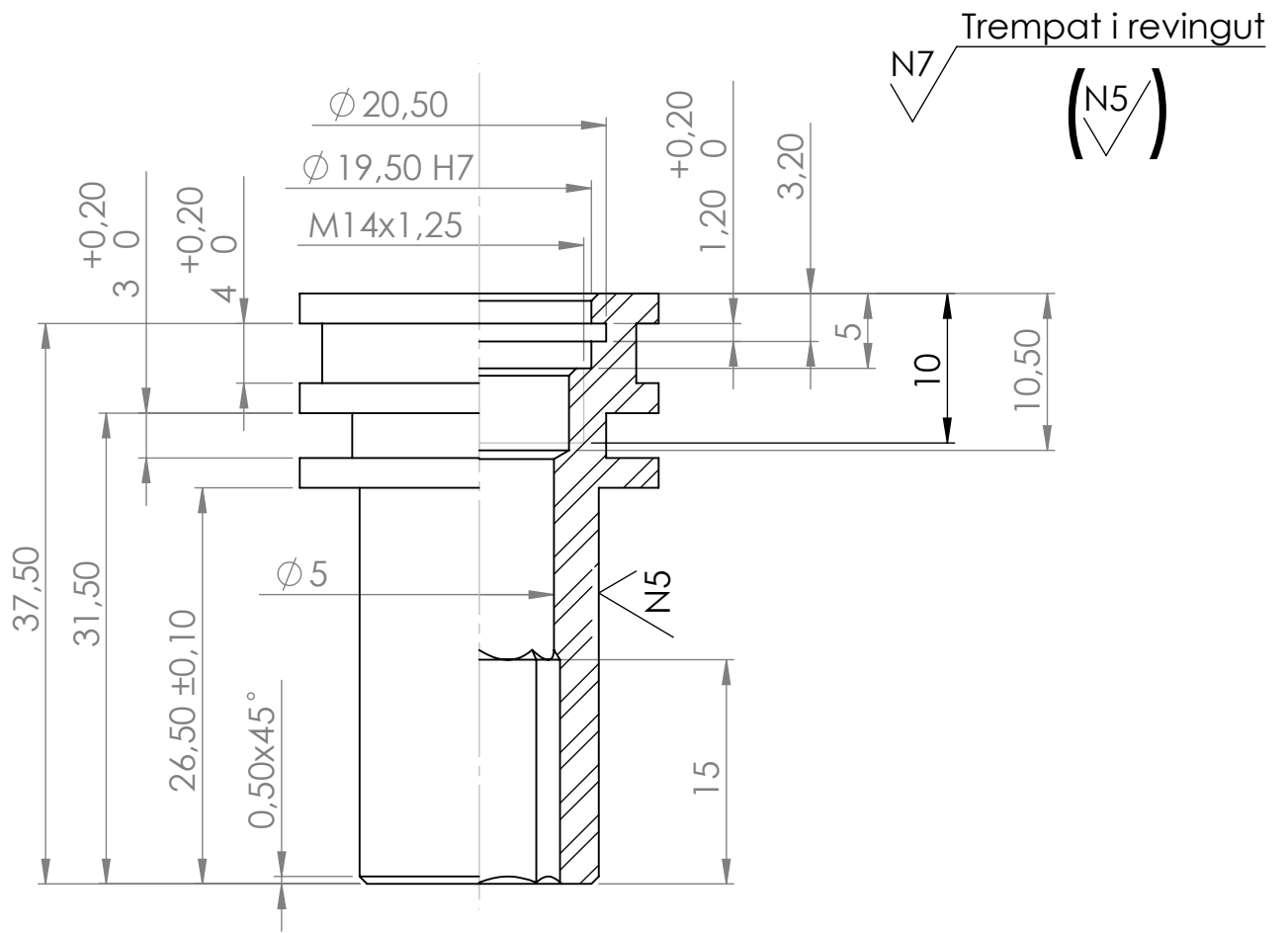
(N6)




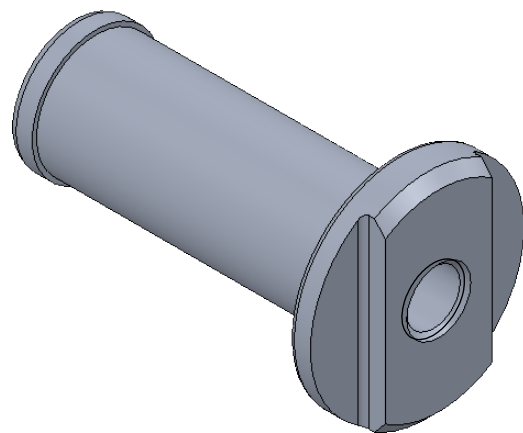
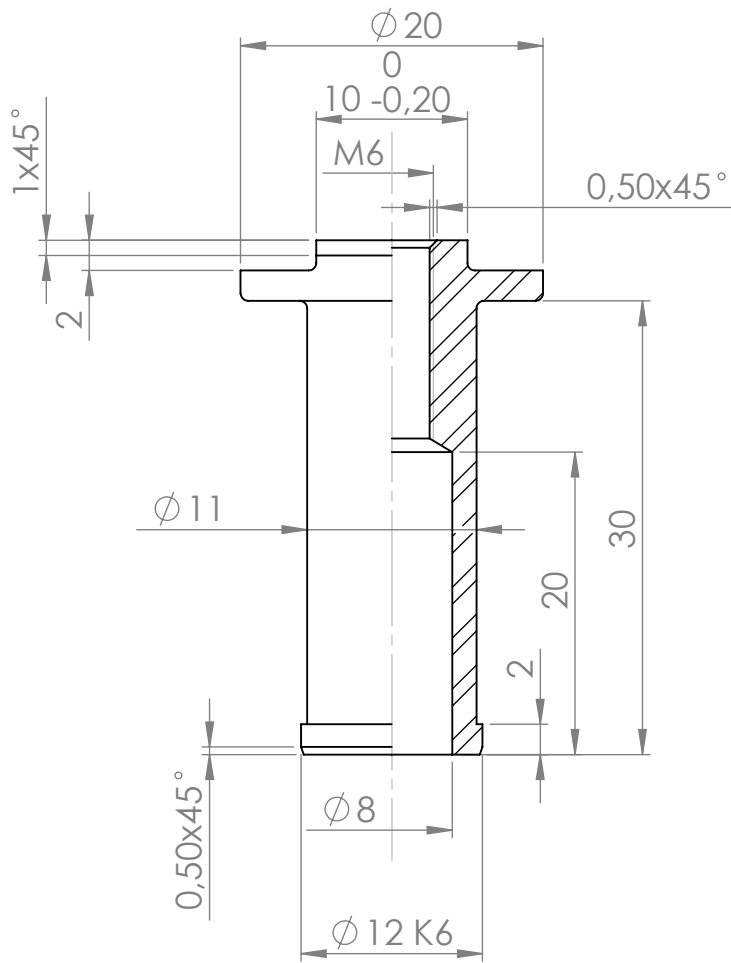
SECCIÓN A-A




	Nom	Firma	Data	<p>Universitat de Girona</p>	<p>P013-AbrasaderaPistó</p>	<p>A4</p>
Autor	Oriol Dachs	O.Dachs	25/08/19			
Verificat	-	-	-			
Aprovat	-	-	-			
Material	7075-T6		Títol	P013-AbrasaderaPistó		A4
			Escala:2:1	Full 1 de 1		



	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P014-ÈmbolDobleEfecteP2	A4
			Escala:2:1	Full 1 de 1	



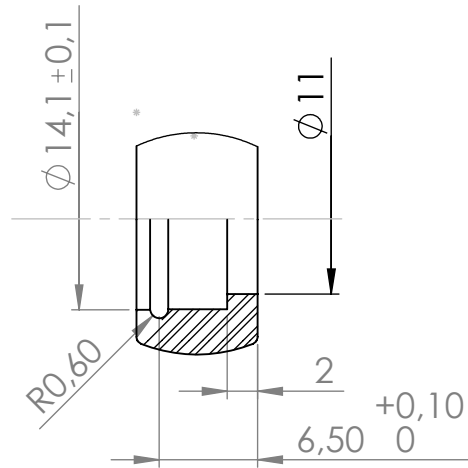
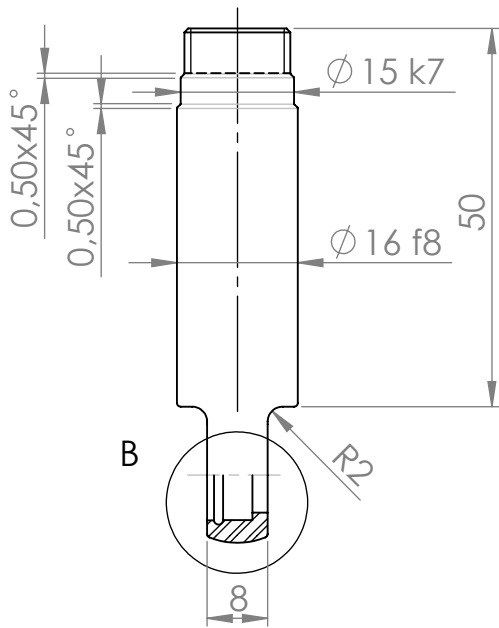
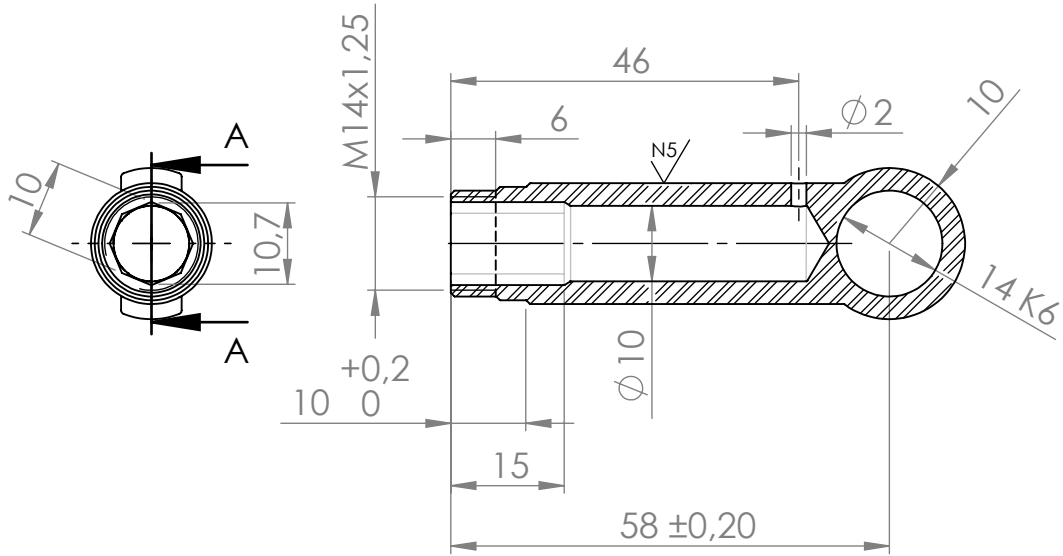
	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P015-InsertsM6	A4
			Escala:2:1	Full 1 de 1	

Trempat i revingut

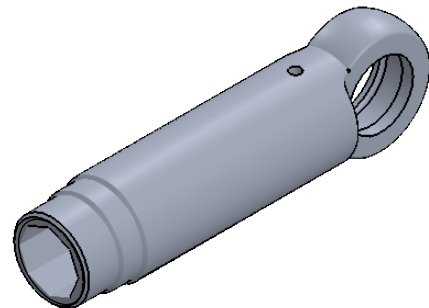
N7


(N5)

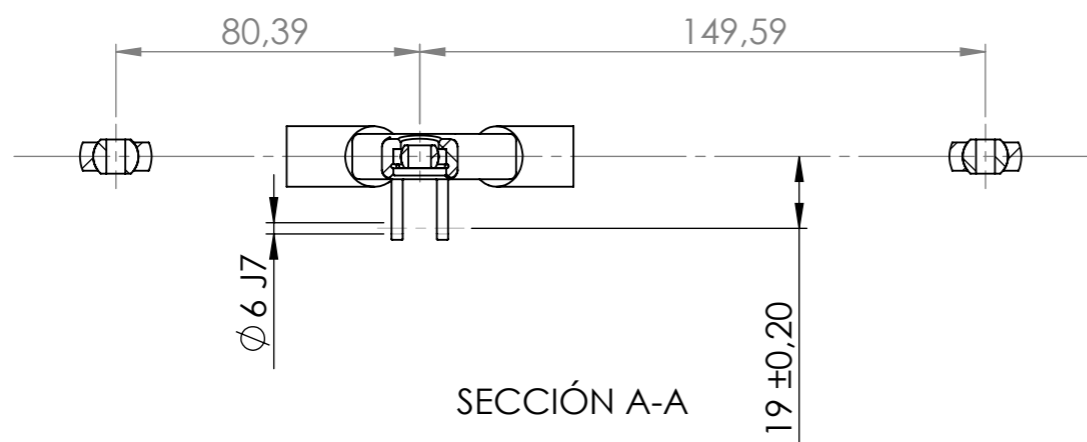
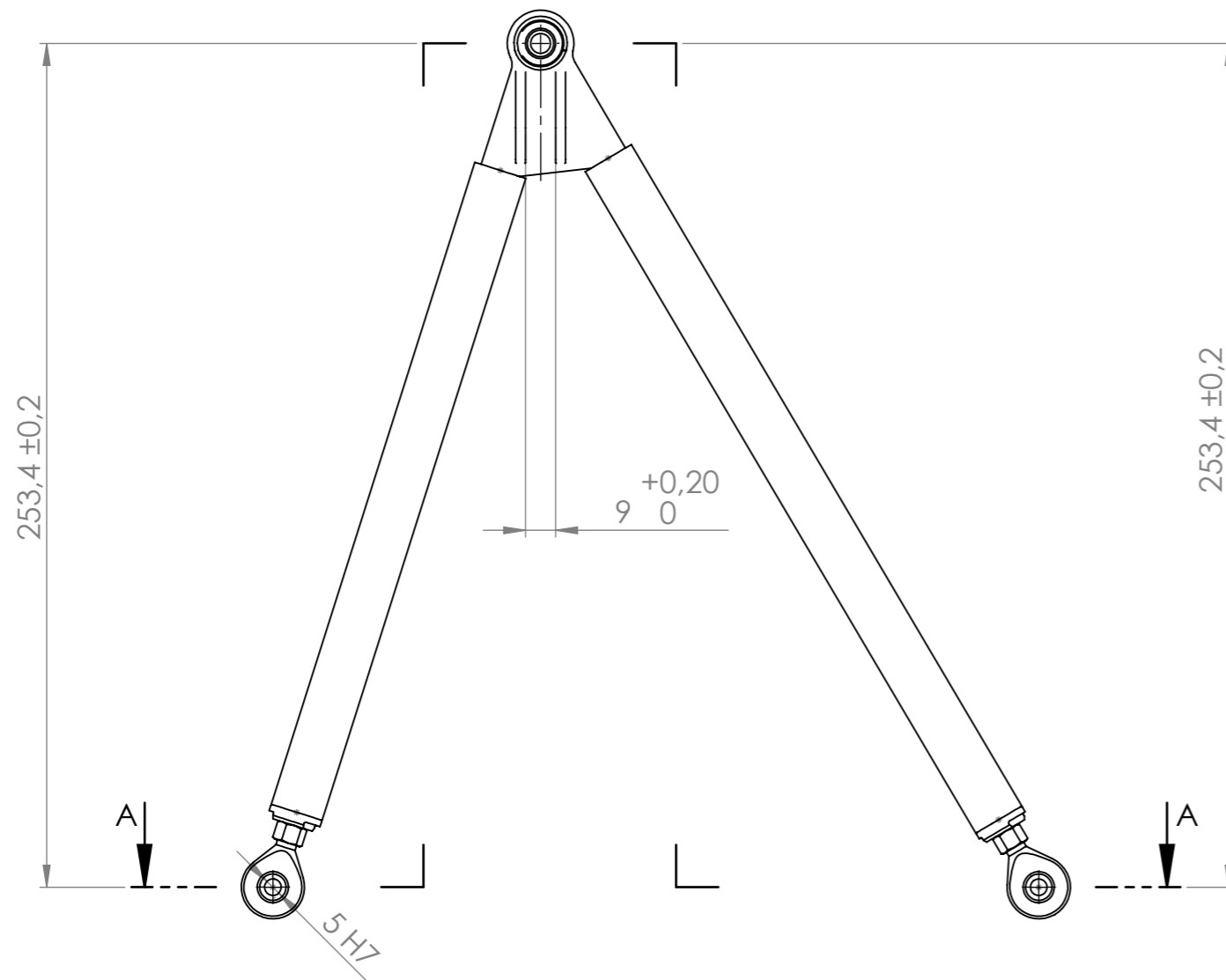
SECCIÓ A-A




DETALLE B
ESCALA 2 : 1




	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprobat	-	-	-		
Material	7075-T6		Títol	P016-ÈmbolDobleEfecteP1	A4
			Escales:1:1	Full 1 de 1	

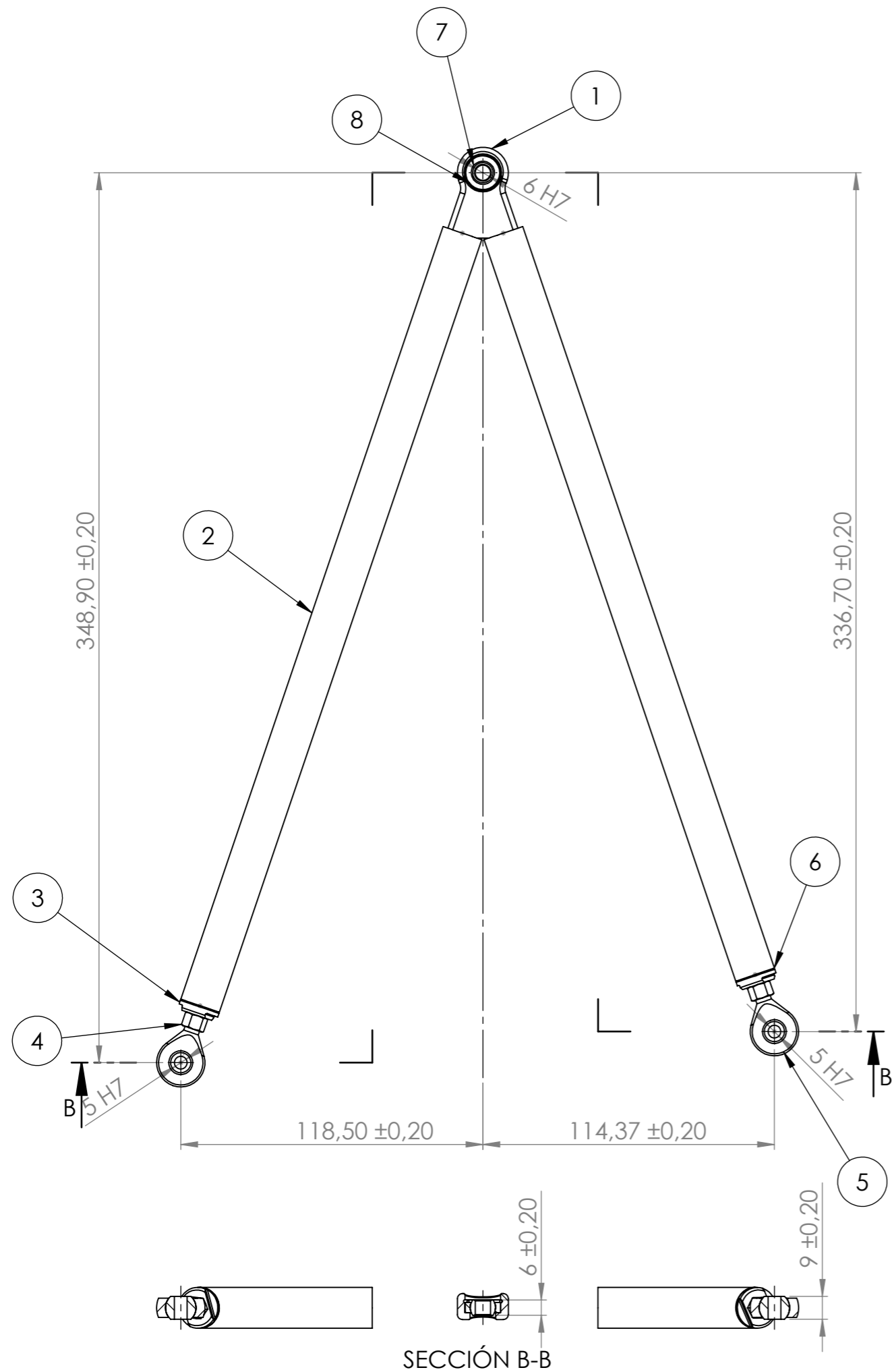


	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E011-TrapeziSuperiorDavanterEsquerra E008-TrapeziSuperiorDabanterDret	A3
			Escala: 1:2	Full 1 de 1	

N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	P024-UnióTrapeziSDE P027-UnióTrapeziSDD	1
2	C41.6-Tub16-10	1
3	P022-InsertsM5	2
4	C30-HexagonNutISO4034-M5-C	2
5	C42-SKF_SAKAC5M	2
6	C41.7-Tub16-10	1
7		1
8	C22-SKF_GE_6_C	1


En cas que es vulgir ma dreta agafar configuració P027
En cas contrari P024

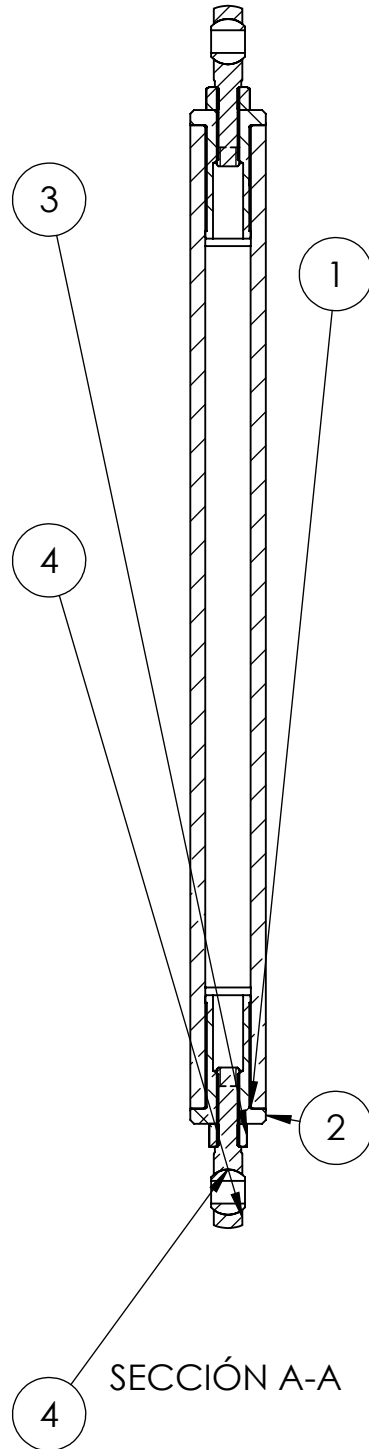
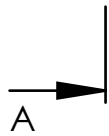
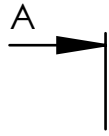
	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E011-TrapeziSuperiorDavanterEsquerra E008-TrapeziSuperiorDavanterDret	A4
			Escala:1:2	Full 1 de 1	



	Nom	Firma	Data	 Universitat de Girona			
Autor	Oriol Dachs	O.Dachs	25/08/19				
Verificat	-	-	-				
Aprovat	-	-	-				
Material	-		Títol	E012-TrapezInferiorDabanterEsquerra	A3		
			Escala:1:2	Full 1 de 1			

N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	P025-UnióTrapezID	1
2	C41.8-Tub16-10	1
3	P022-InsertsM5	2
4	C30-HexagonNutISO4034-M5-C	2
5	C42-SKF_SAKAC5M	2
6	C41.9-Tub16-10	1
7	C22-SKF_GE_6_C	1
8		1

	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E012-TrapezInferiorDabanterEsquerra	A4
			Escala:1:2	Full 1 de 1	



SECCIÓN A-A


	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	-		Títol

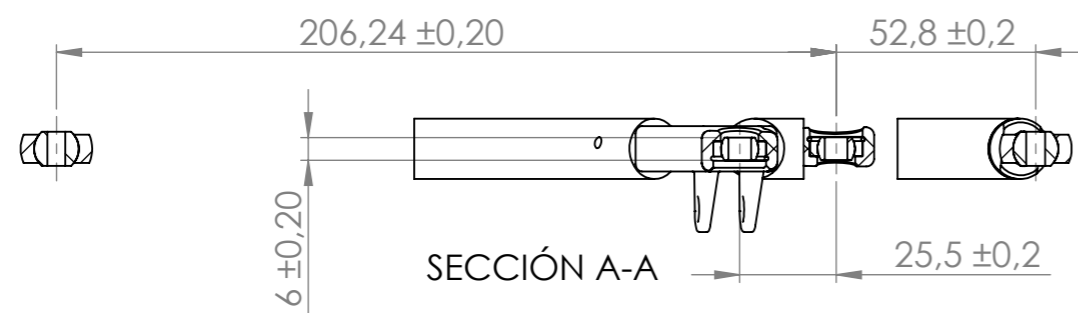
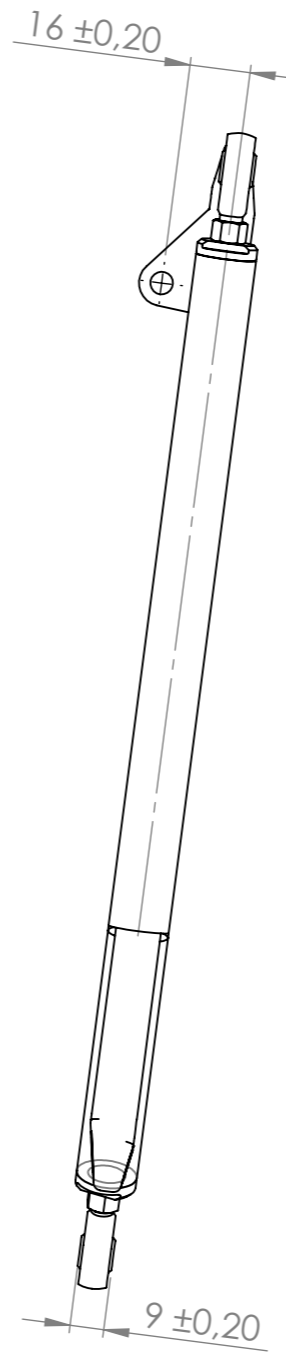
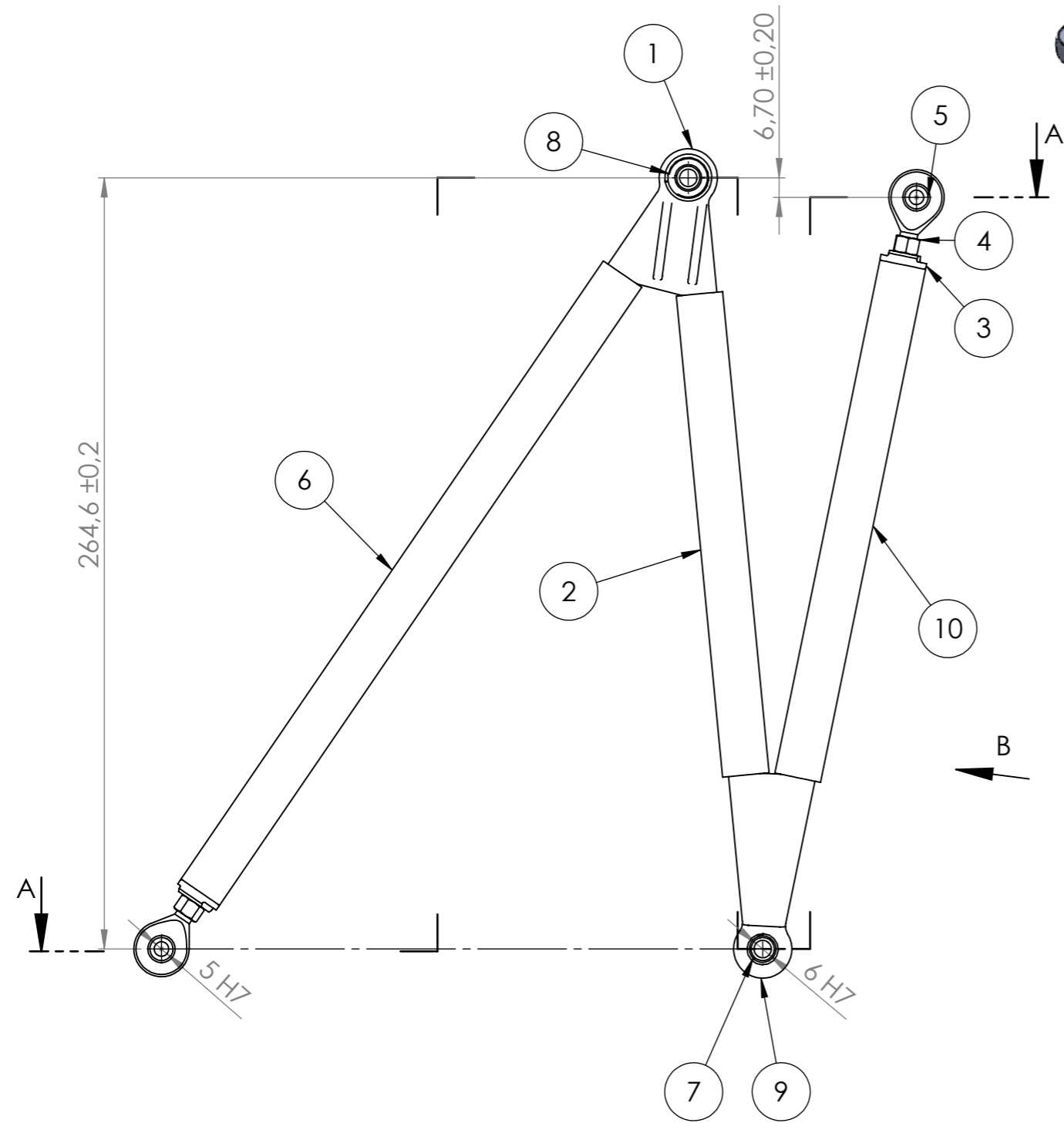
Universitat de Girona

E013-BarraBiarticuladaDirecció

A4

N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	C26.3-Tub20-12	1
2	P015-InsertsM6	2
3	C33-HexagonNutISO4034-M6-C	2
4	C39-SKF_SAKAC6M	2

	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	E013-BarraBiarticuladaDirecció	A4
			Escala:1:2	Full 1 de 1	




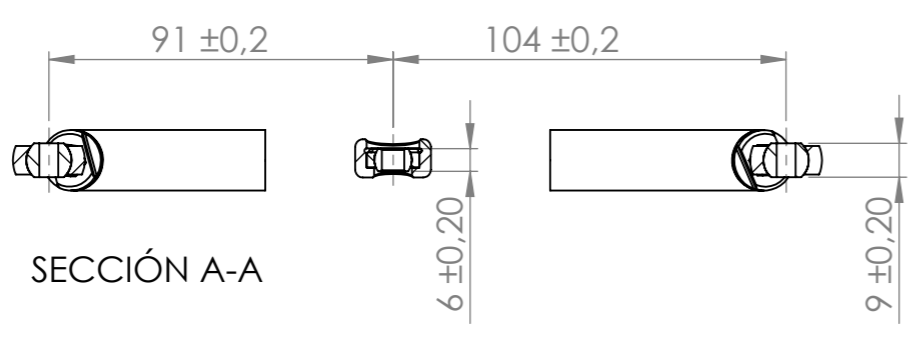
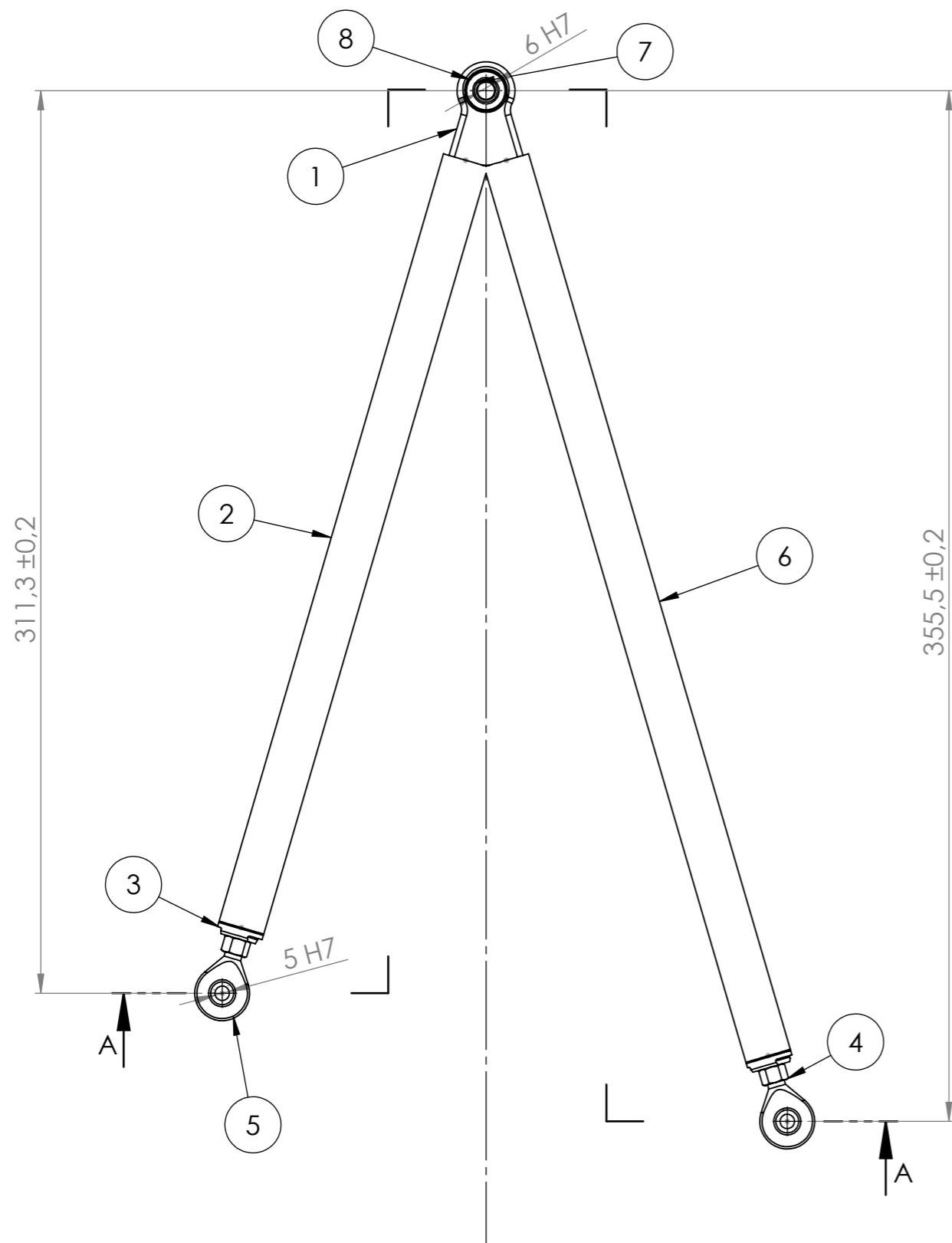
VISTA B

	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material			Títol	E014-TrapeziSuperiorPosteriorEsquerra E009-TrapeziSuperiorPosteriorDret	A3
			Escala: 1:2	Full 1 de 1	

N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	P020-UnióTrapeziSPE P026-UnióTrapexiSPD	1
2	C41.1-Tub16-10	1
3	P022-InsertsM5	2
4	C30-HexagonNutISO4034-M5-C	2
5	C42-SKF_SAKAC5M	2
6	C41.2-Tub16-10	1
7	C22-SKF_GE_6_C	2
8		2
9	P021-UnióTrapeziSPDE	1
10	C41.3-Tub16-10	1

En cas que es vulgui ma dretha utilitzar configuració P026
En cas contrari utilitzar P020

	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E014-TrapeziSuperiorPosteriorEsquerra E009-TrapeziSuperiorPosteriorDret	A4
			Escala:1:2	Full 1 de 1	




SECCIÓN A-A



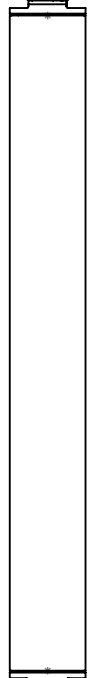
	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material			Títol	E015-TrapezilInferiorPosteriorEsquerra	A3
			Escala: 1:2	Full 1 de 1	

N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	P023-UnióTrapezIP	1
2	C41.4-Tub16-10	1
3	P022-InsertsM5	2
4	C30-HexagonNutISO4034-M5-C	2
5	C42-SKF_SAKAC5M	2
6	C41.5-Tub16-10	1
7	C22-SKF_GE_6_C	1
8		1

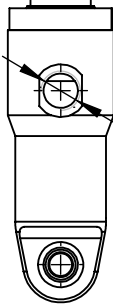
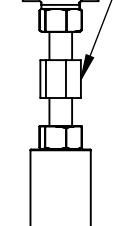
	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	E015-TrapeziInferiorPosteriorEsquerra	A4
			Escala:1:2	Full 1 de 1	

A

Unió amb rosca dretes

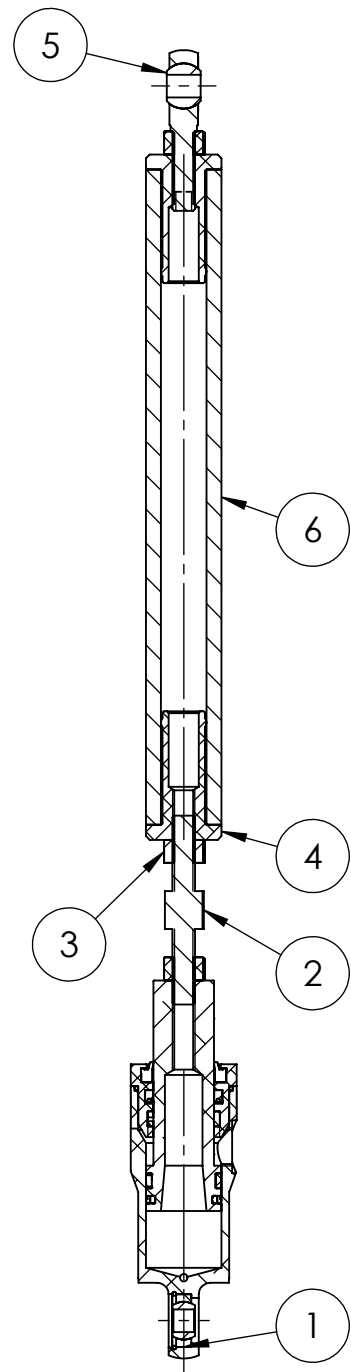


Unios amb rosca esquerres i fil anti desenroscament




$\varnothing 1/8''$ BSP


A

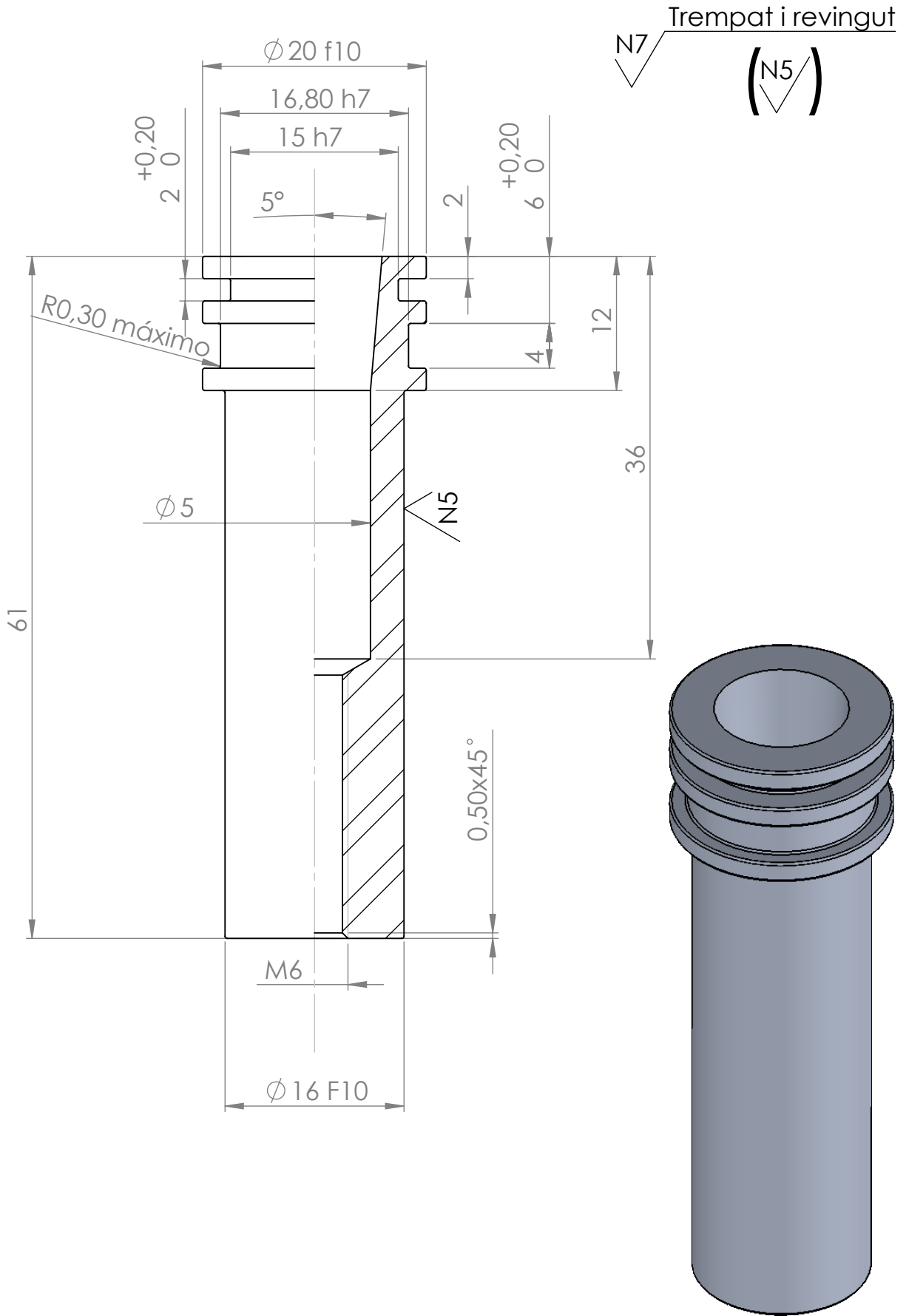



SECCIÓN A-A

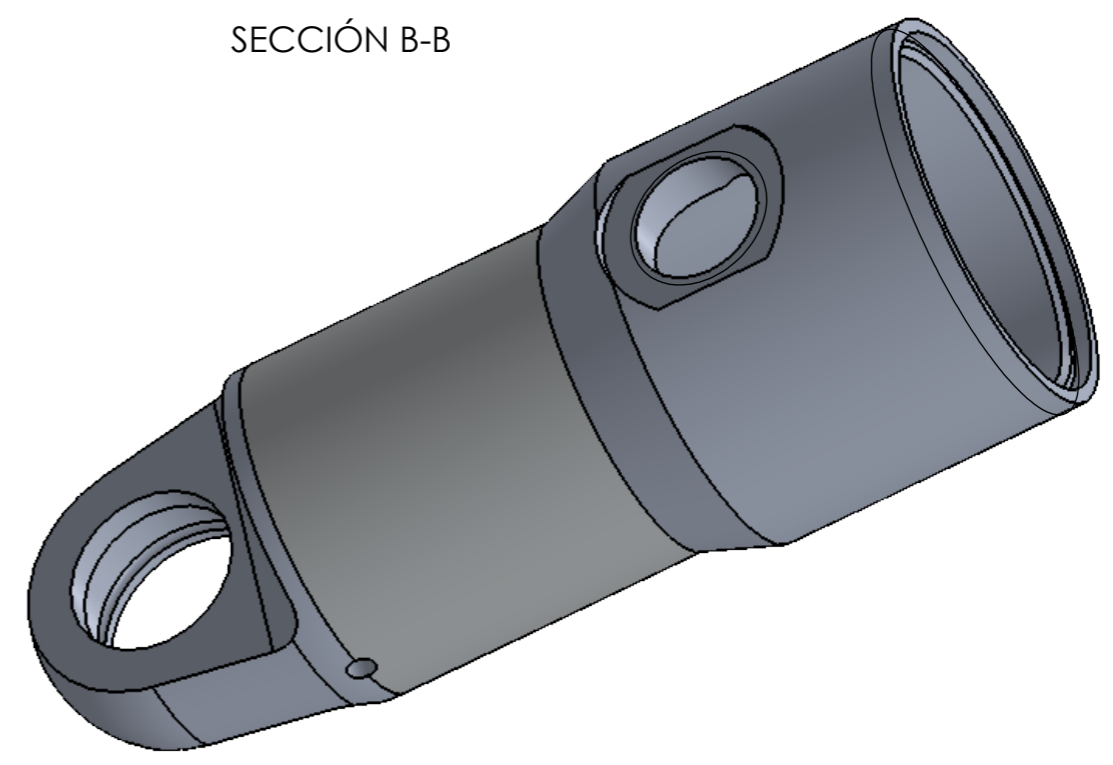
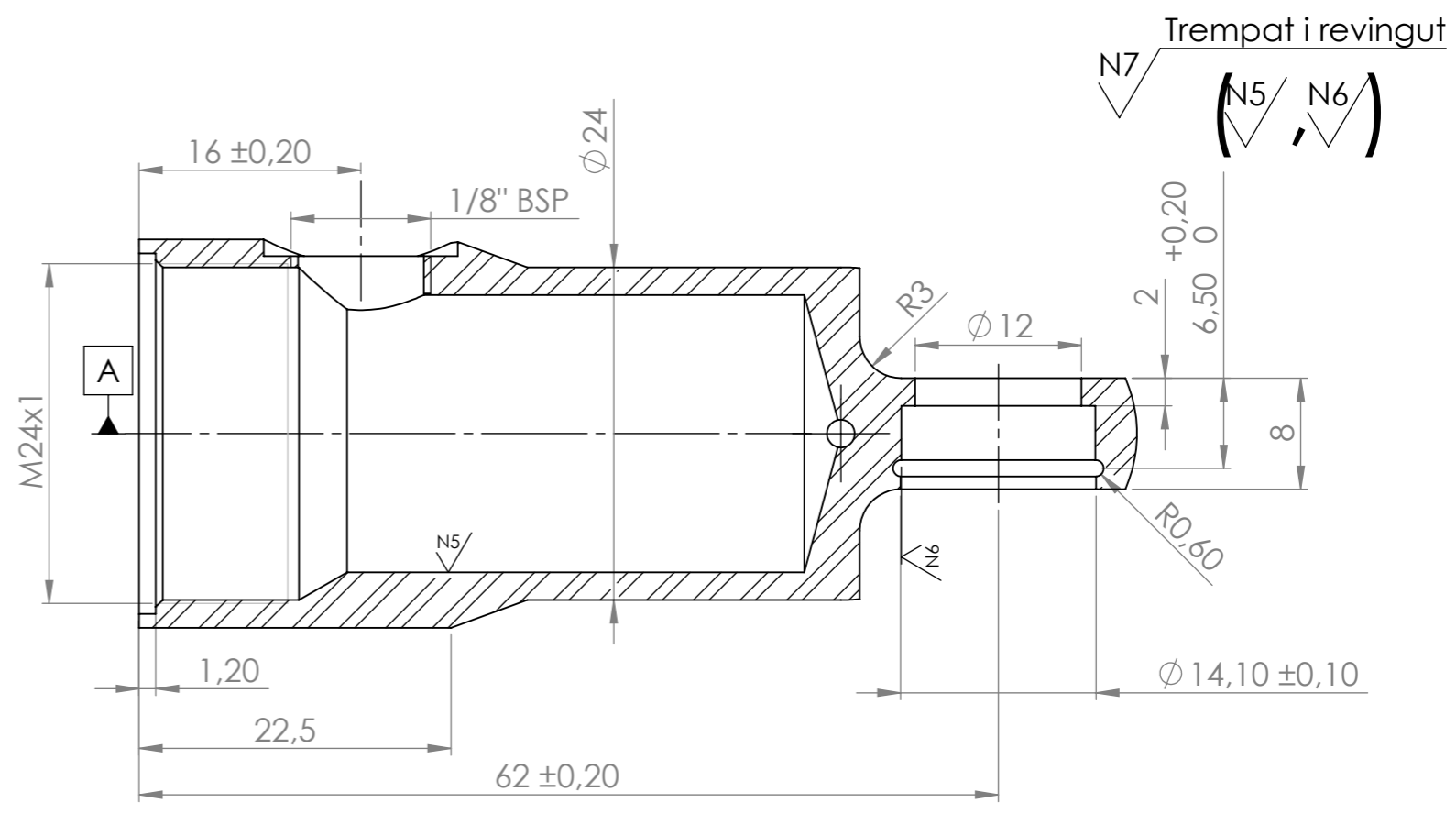
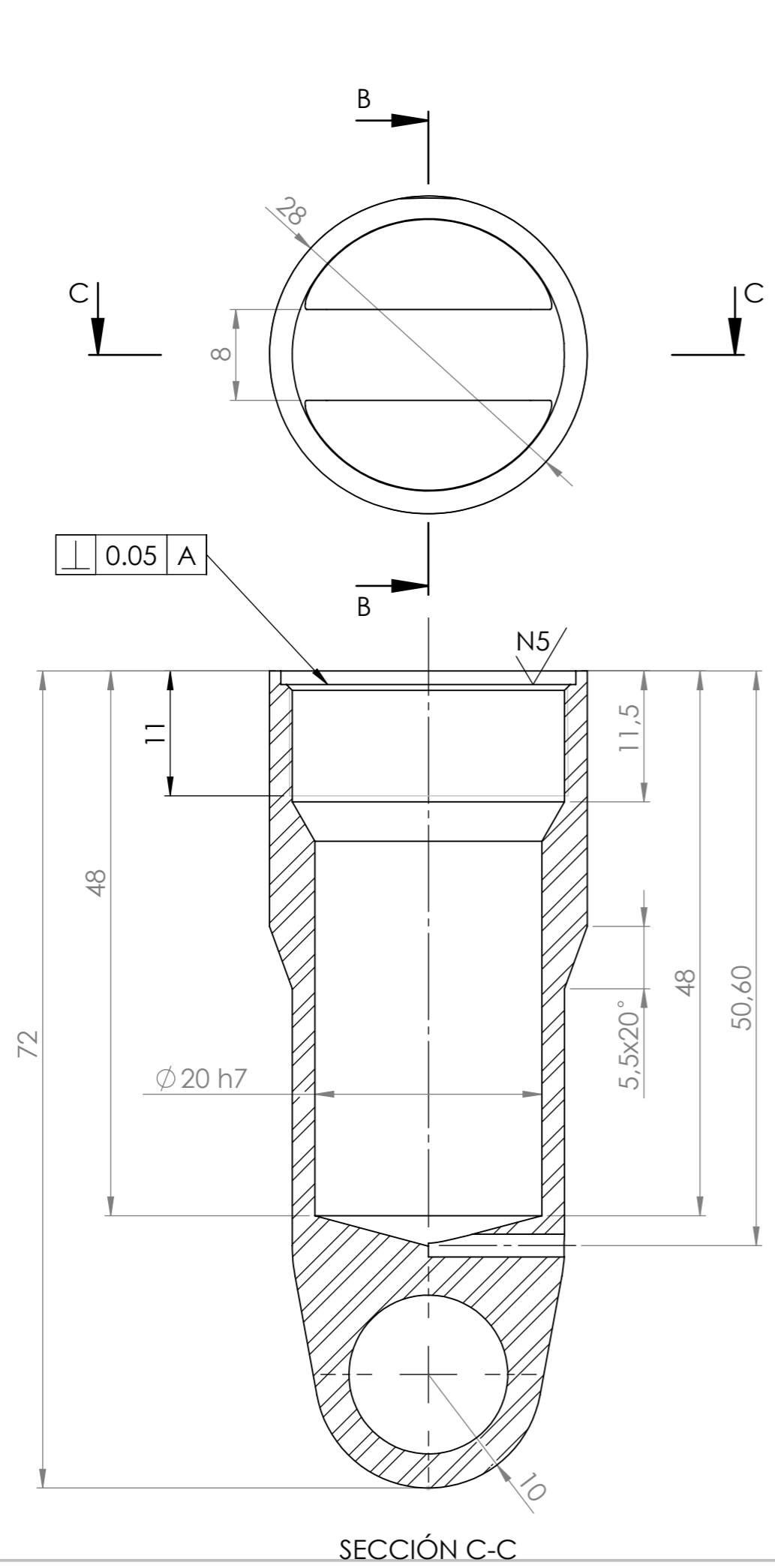
	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E016-Biarticulada	A4
			Escala:1:2	Full 1 de 1	


N.º DE ELEMENTO	N.º DE PIEZA	CANTIDAD
1	E010-PistóSimpleEfecte	1
2	C38-PernDobleRoscaHexagonalM6	1
3	C33-HexagonNutISO4034-M6-C	3
4	003-InsertsM6	2
5	C39-SKF_SAKAC6M	1
6	C26.2-Tub20-12	1

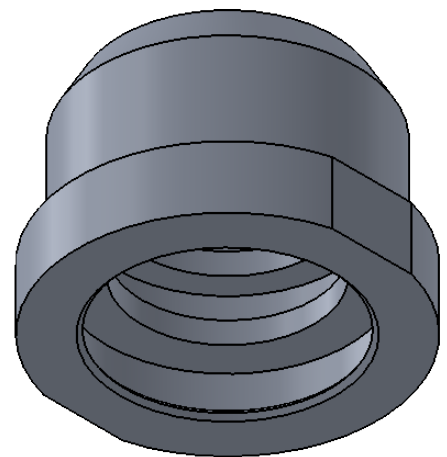
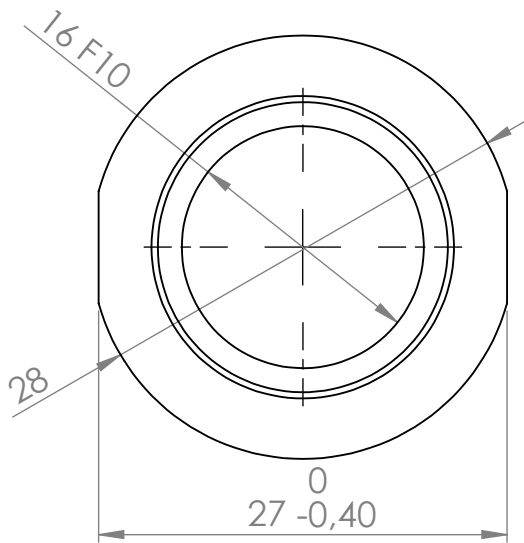
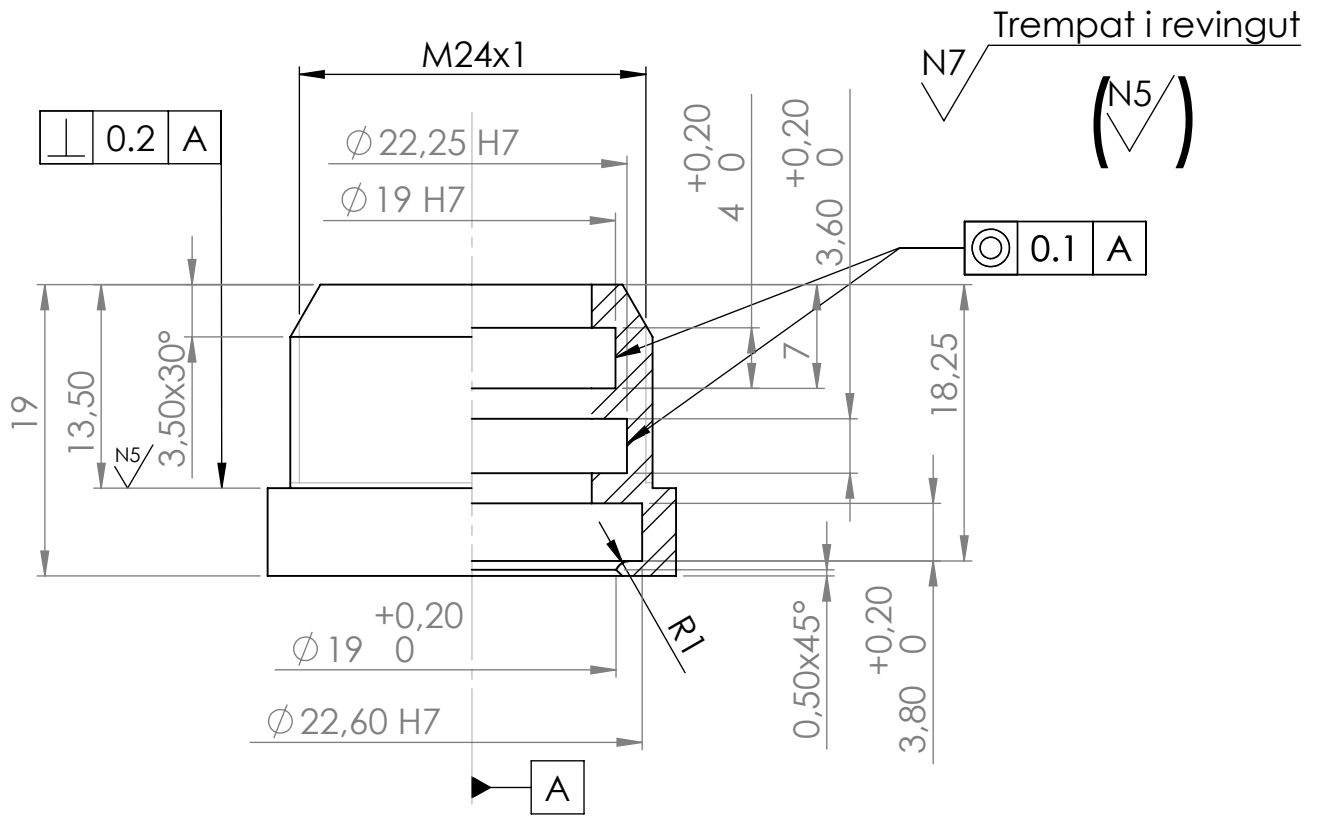
	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	-		Títol	E016-Biarticulada	A4
			Escala:1:5	Full 1 de 1	




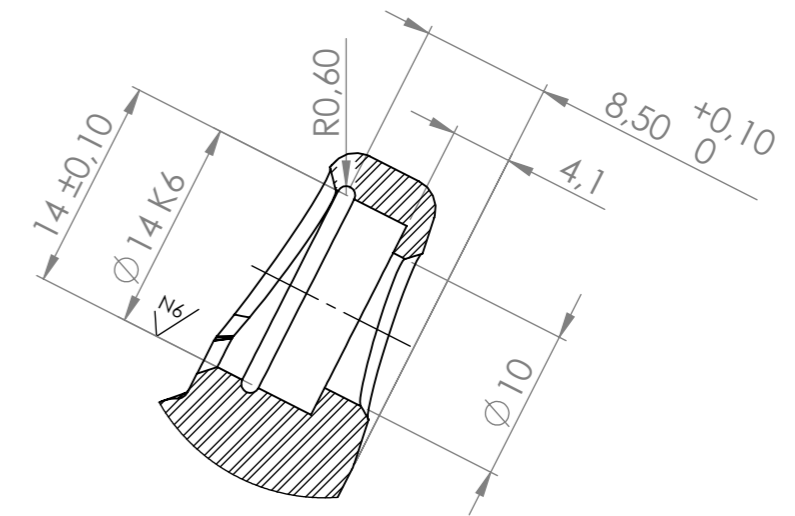
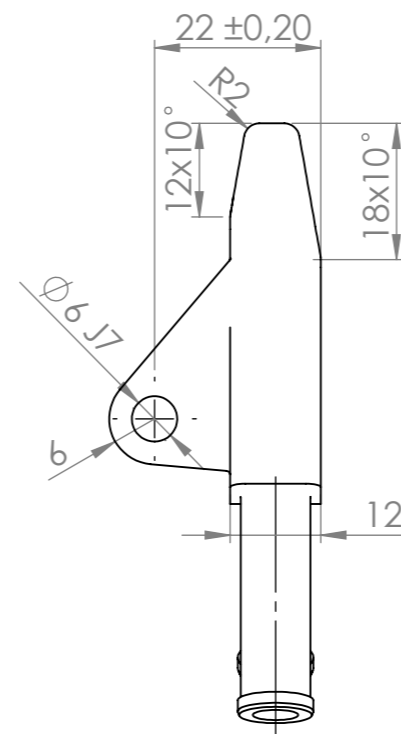
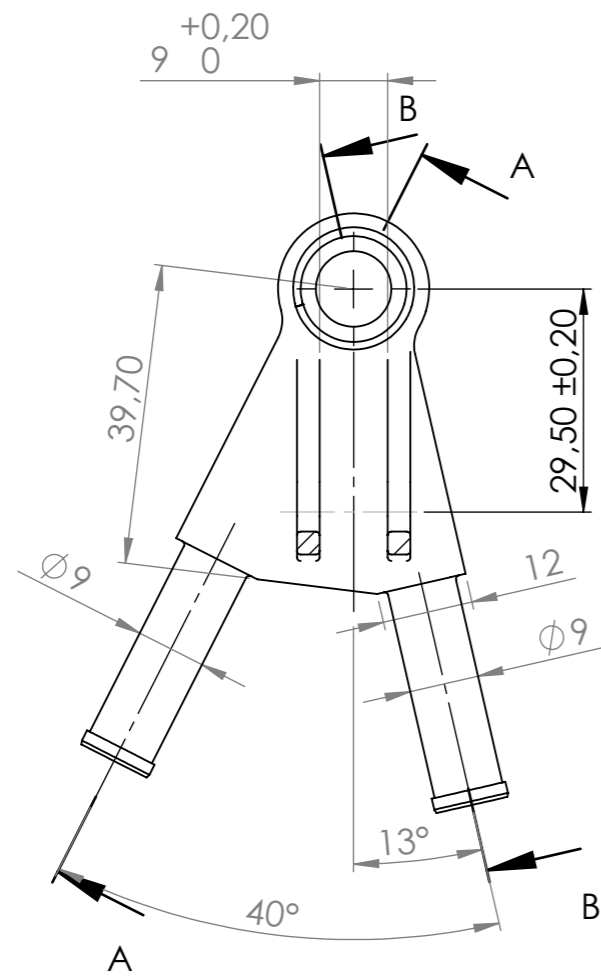
	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprobat	-	-	-		
Material	7075-T6		Títol	P017-ÈmbolSimpleEfecteP2	A4
			Escala:2:1	Full 1 de 1	



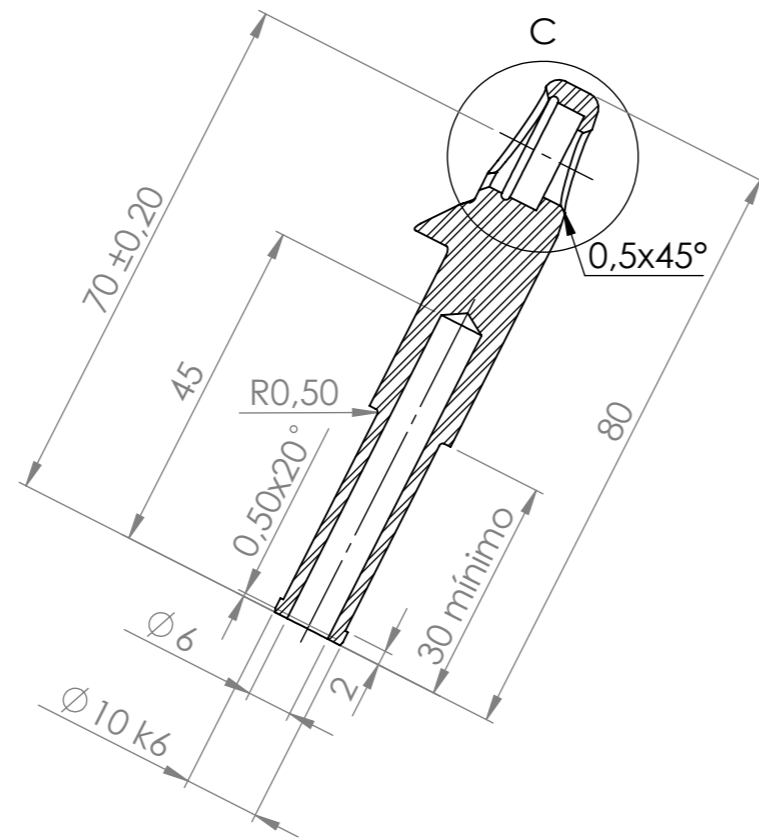
	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P018-CamisaSimpleEfecte	A3
			Escala:2:1	Full 1 de 1	



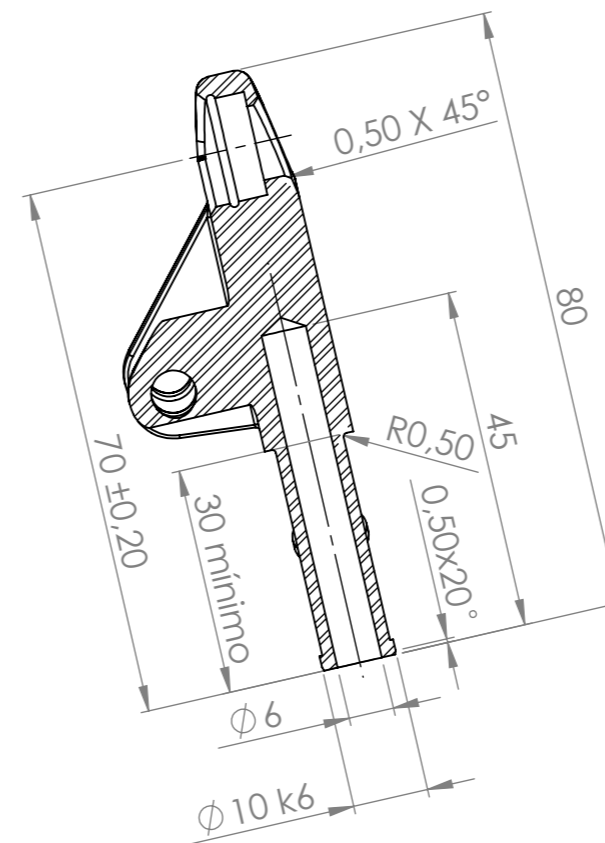
	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprobat	-	-	-		
Material	7075-T6		Títol	P019-CapSimpleEfecte	A4
			Escala:2:1	Full 1 de 1	



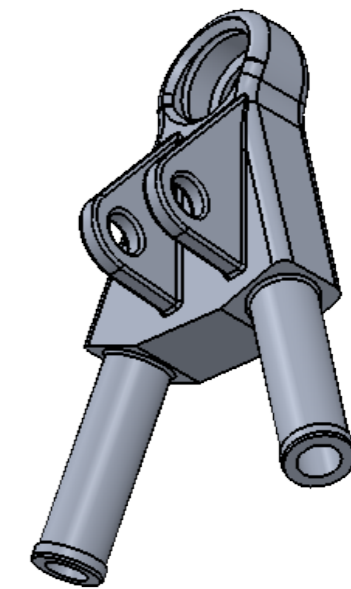
DETALLE C
 ESCALA 2 : 1



SECCIÓN A-A



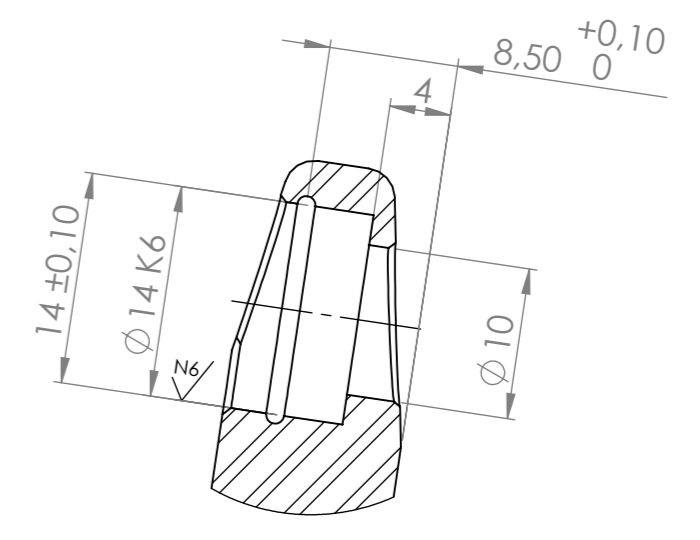
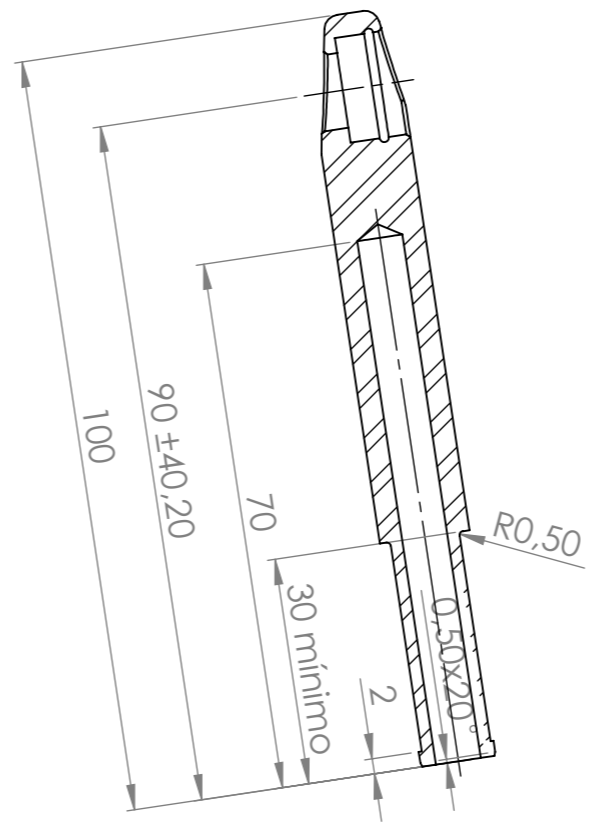
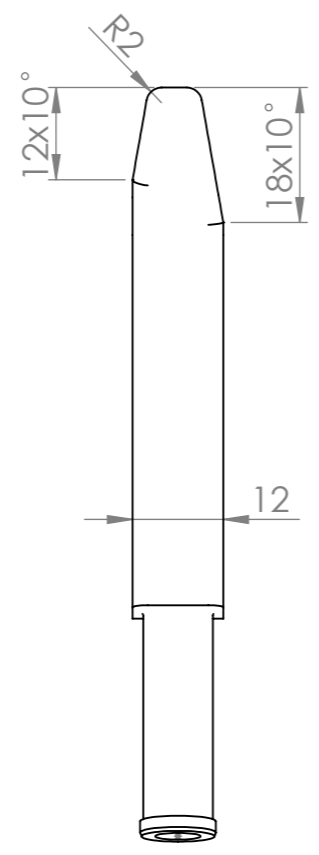
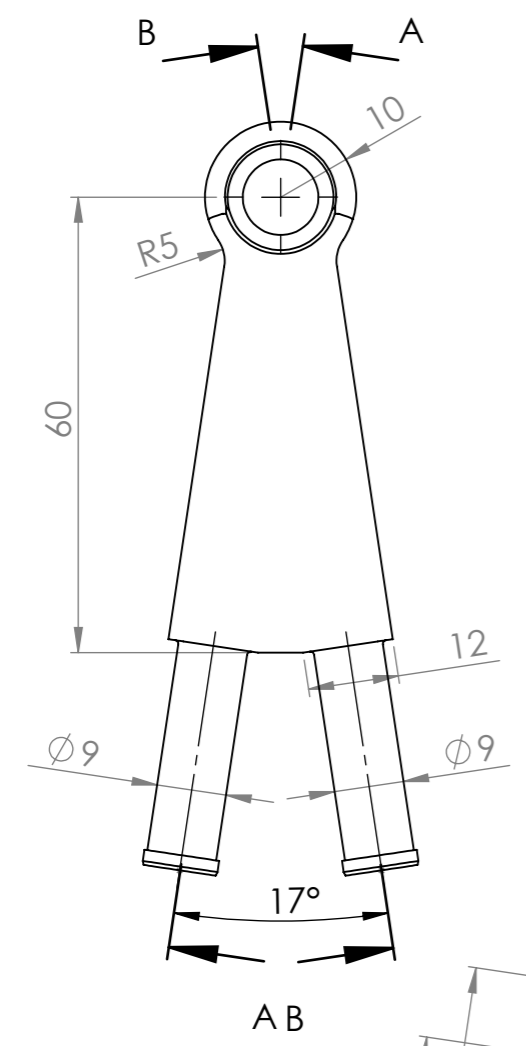
SECCIÓN B-B



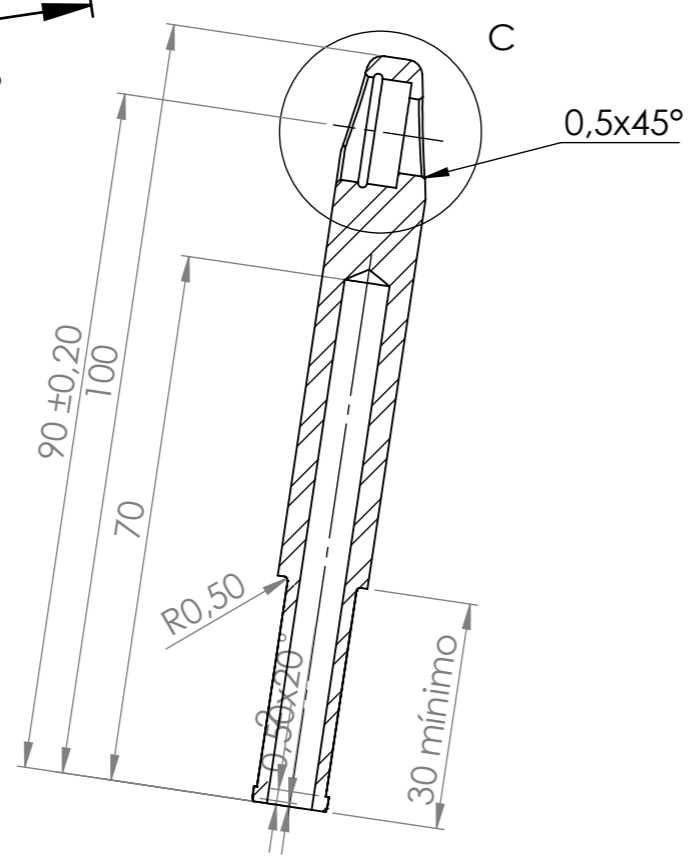
S'ha de fer la peça simètrica per tal d'obtenir també la peça P026

	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	7075-T6	Títol	

Trempat i revingut
 N7 (N6)

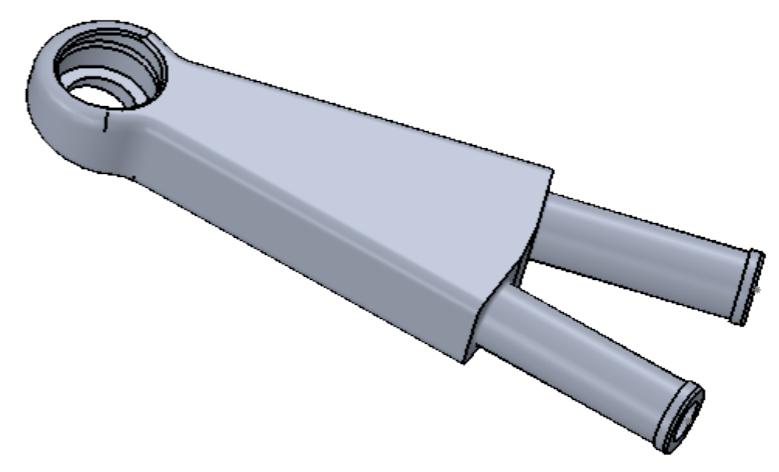


DETALLE C
 ESCALA 2 : 1



SECCIÓN A-A

SECCIÓN B-B



	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprovat	-	-	-
Material	7075-T6	Títol	

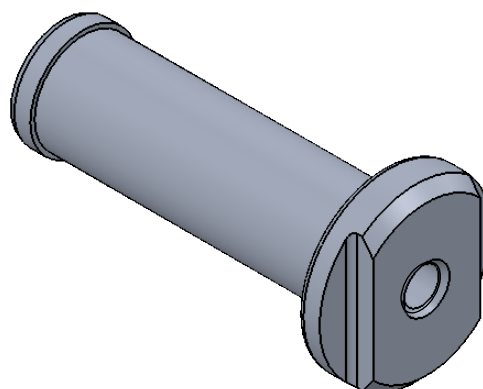
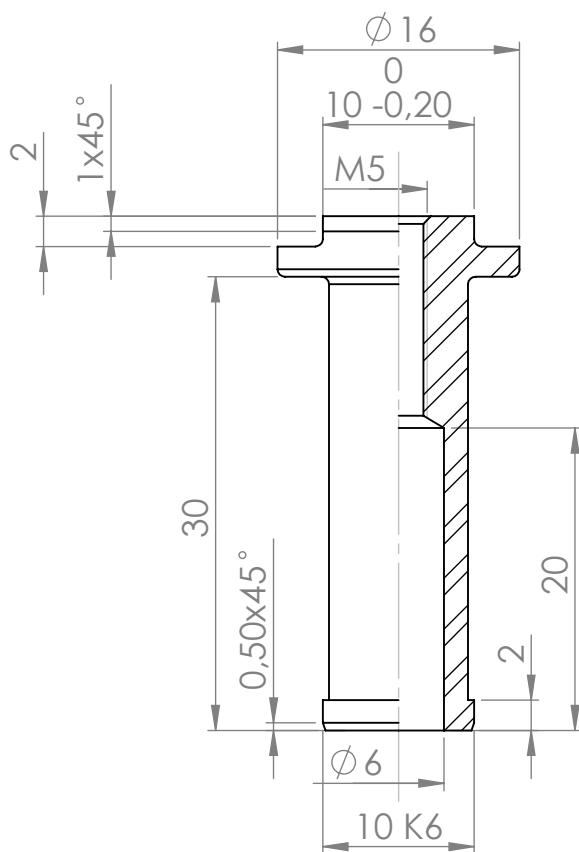
Universitat de Girona


P021-UnióTrapeziSPDE

A3

Escala: 1:1

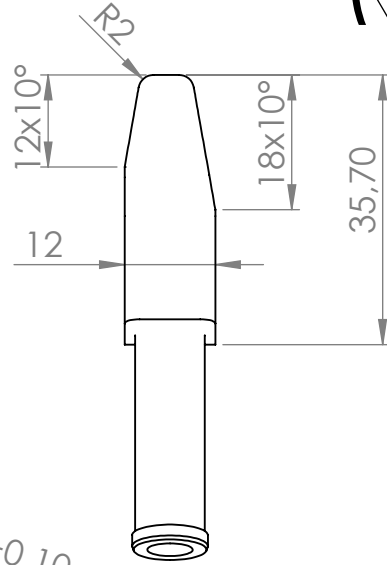
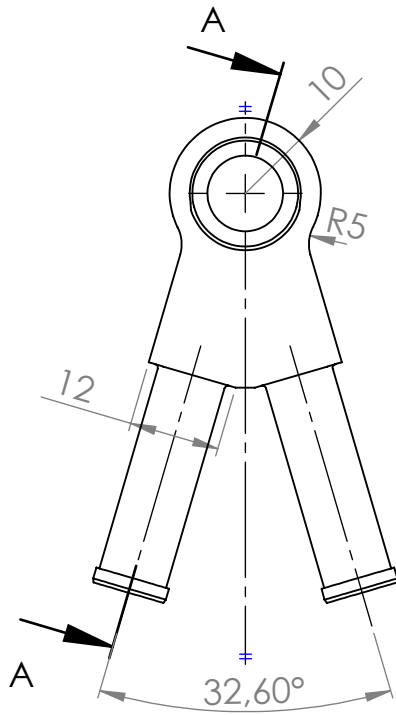
Full 1 de 1



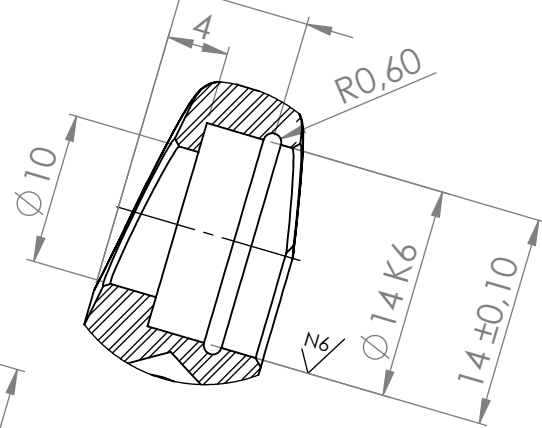
	Nom	Firma	Data	 <p>Universitat de Girona</p>	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P022-InsertsM5	A4
			Escala:2:1	Full 1 de 1	

Trempat i revingut

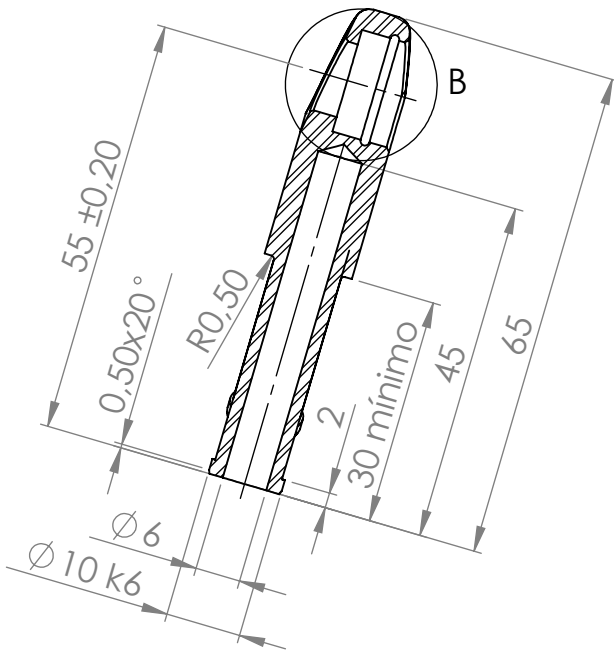
N7 (N6)



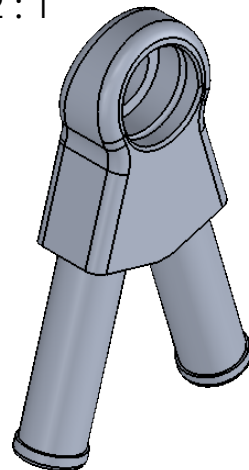
8,55 ^{+0,10} / 0




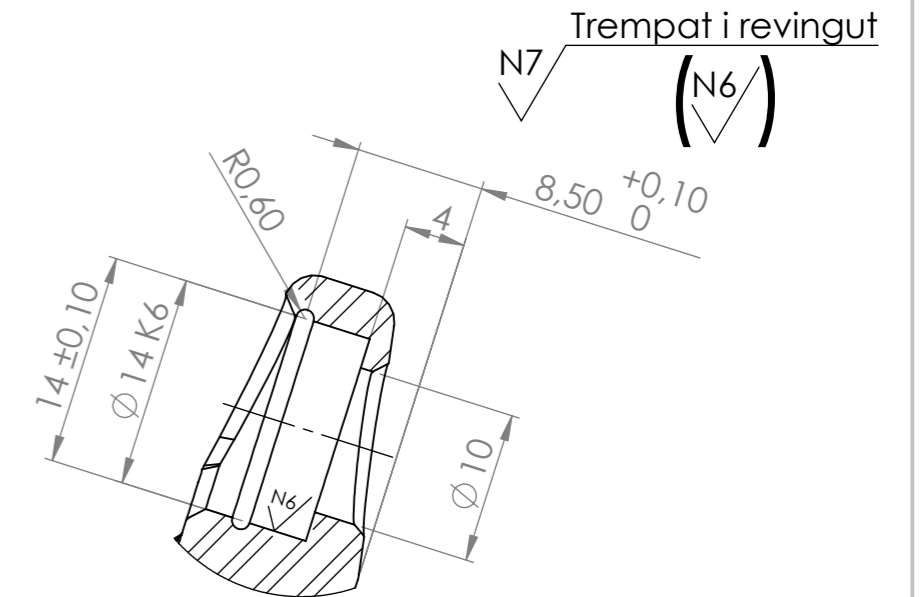
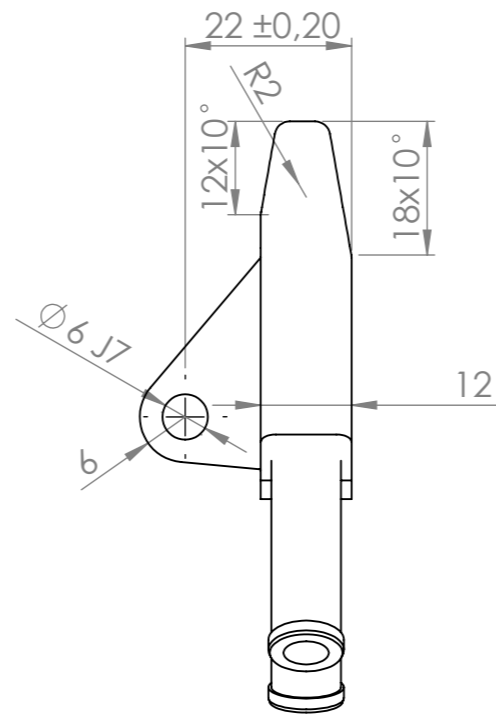
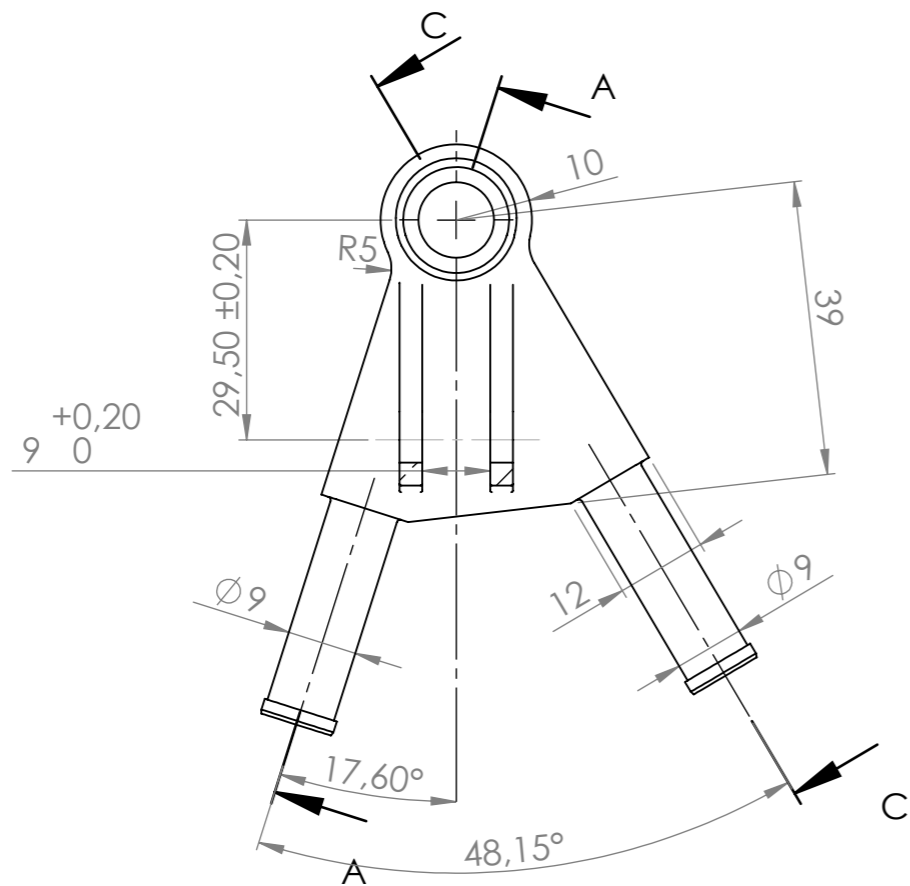
DETALLE B
ESCALA 2 : 1



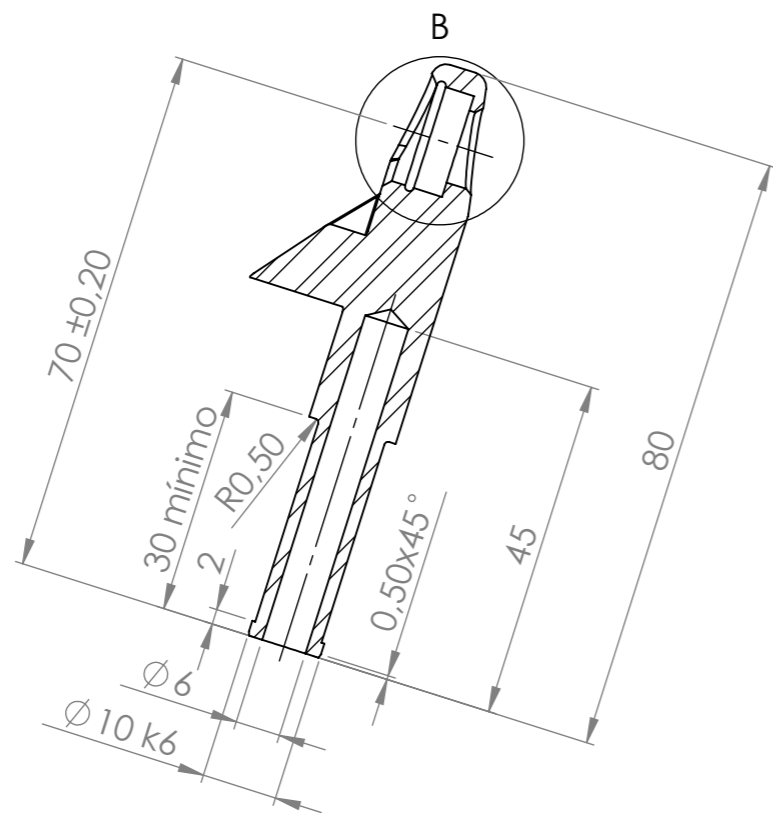
SECCIÓN A-A



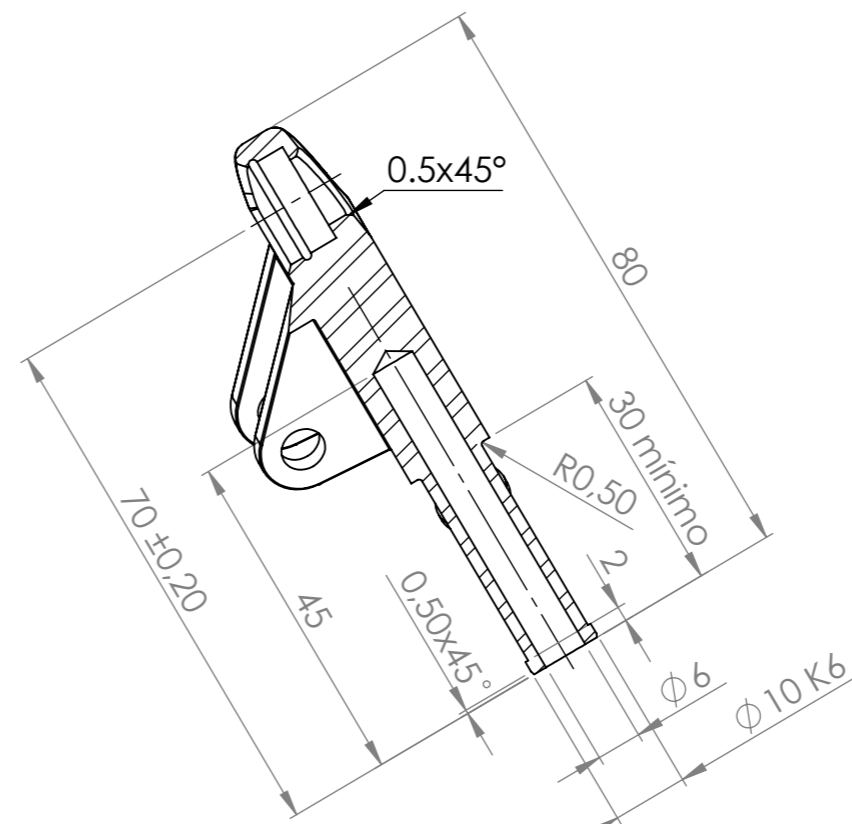
	Nom	Firma	Data		
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P023-UnióTrapezIP	A4
			Escala:1:1	Full 1 de 1	



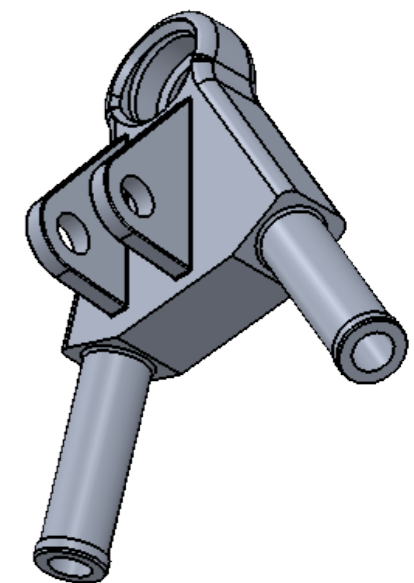
DETALLE B
ESCALA 2 : 1



SECCIÓN A-A



SECCIÓN C-C



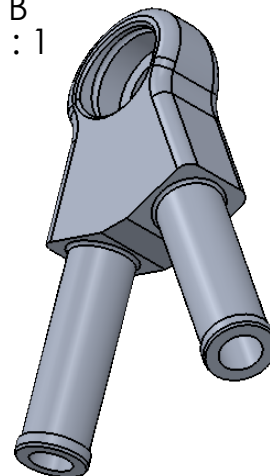
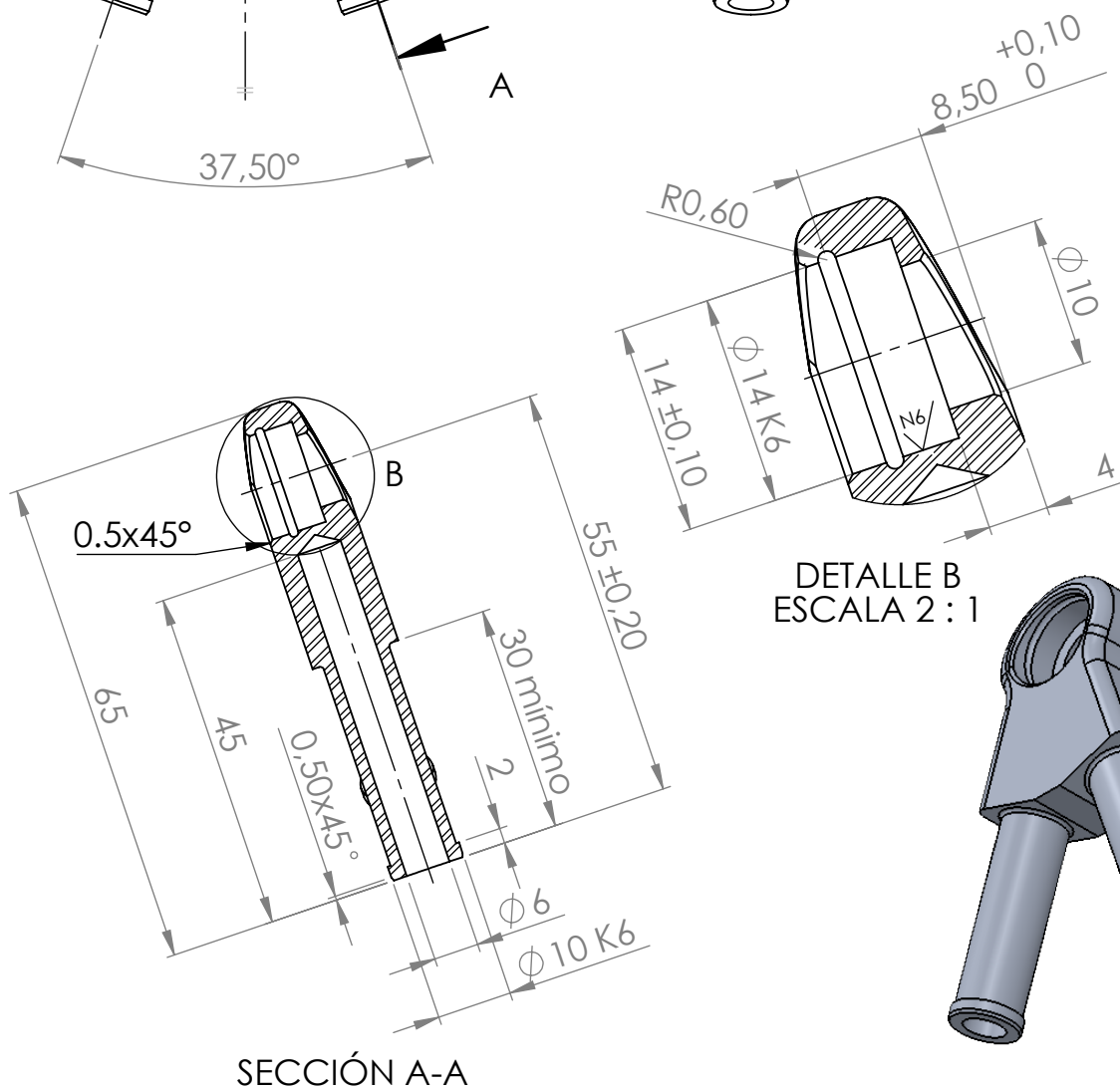
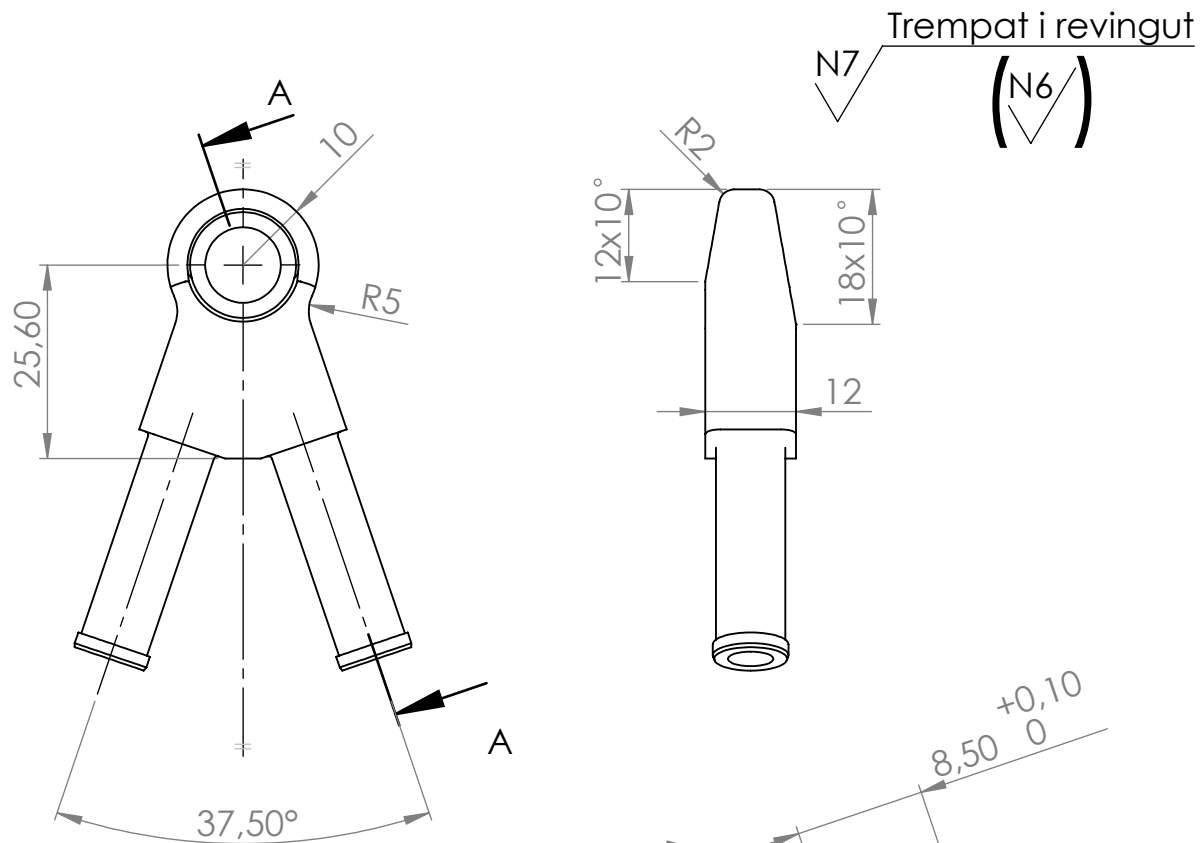
S'ha de fer la peça simètrica per tal d'obtenir també la peça P027


	Nom	Firma	Data
Autor	Oriol Dachs	O.Dachs	25/08/19
Verificat	-	-	-
Aprobat	-	-	-
Material	7075-T6	Títol	

Universitat de Girona

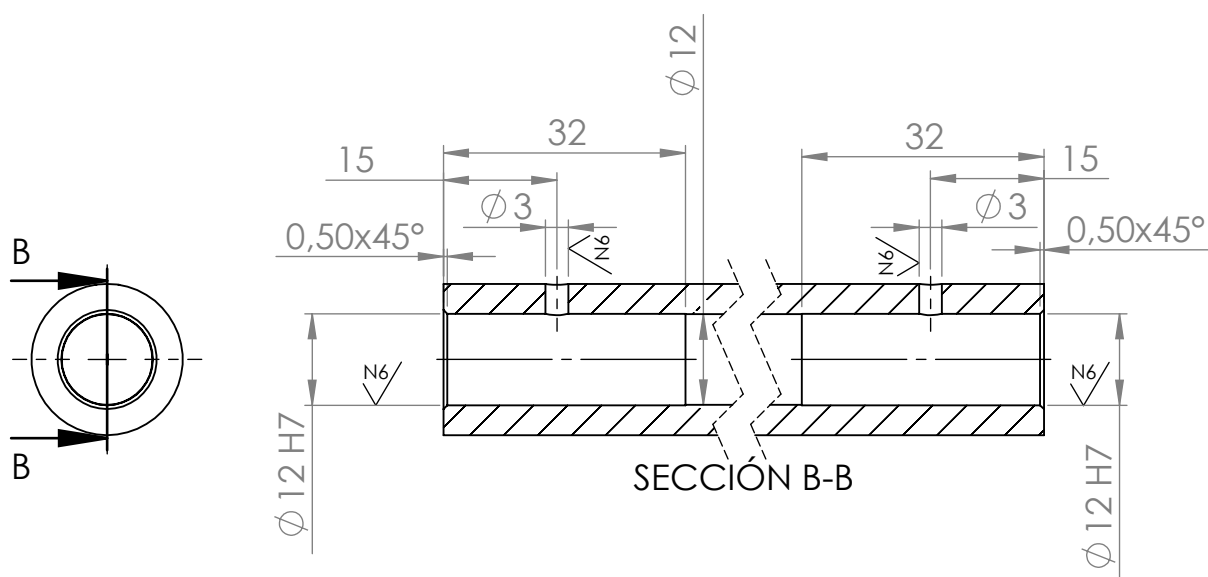
P024-UnióTrapeziSDE
P027-UnióTrapeziSDD

A3



	Nom	Firma	Data	 Universitat de Girona	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	P025-UnióTrapezID	A4
			Escala:1:1	Full 1 de 1	


N7 / (N6)



Plànol Generic pendre mesura segons pesa a disposar.

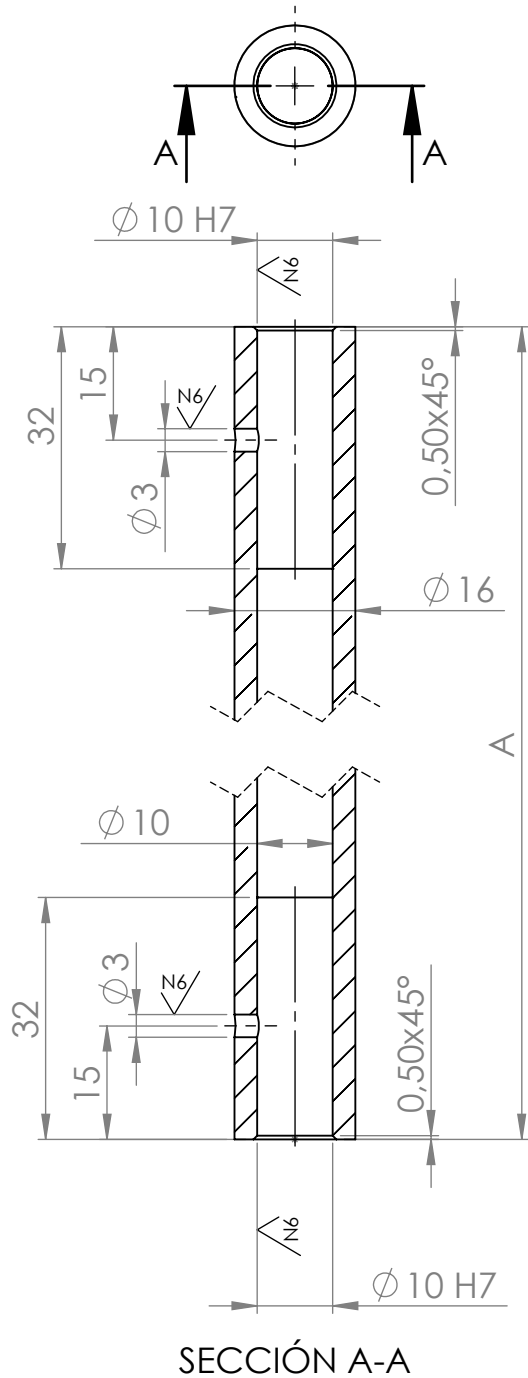
A[mm]	Peça
165.9	C41.1
257.7	C41.2
179.7	C41.3
275.7	C41.4
321.8	C41.5
202.3	C41.6
230.7	C41.7
320	C41.8
306.7	C41.9



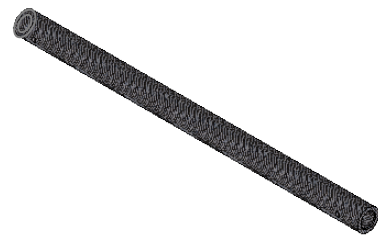
	Nom	Firma	Data	 <p>Universitat de Girona</p>	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprobat	-	-	-		
Material	7075-T6		Títol	C26 Tub18-12	A4
			Escala:1:1	Full 1 de 1	


N7 / (N6)

Plànol Generic pendre mesura segons pesa a disposar.



A[mm]	Peça
165.9	C41.1
257.7	C41.2
179.7	C41.3
275.7	C41.4
321.8	C41.5
202.3	C41.6
230.7	C41.7
320	C41.8
306.7	C41.9



	Nom	Firma	Data	 <p>Universitat de Girona</p>	
Autor	Oriol Dachs	O.Dachs	25/08/19		
Verificat	-	-	-		
Aprovat	-	-	-		
Material	7075-T6		Títol	C42 Tub16-10	A4
			Escala:1:1	Full 1 de 1	