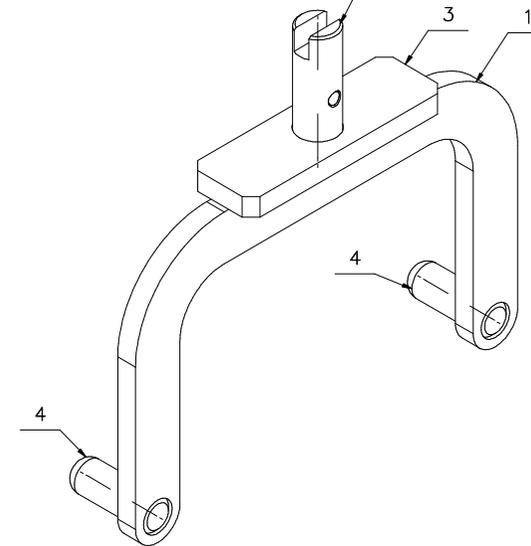
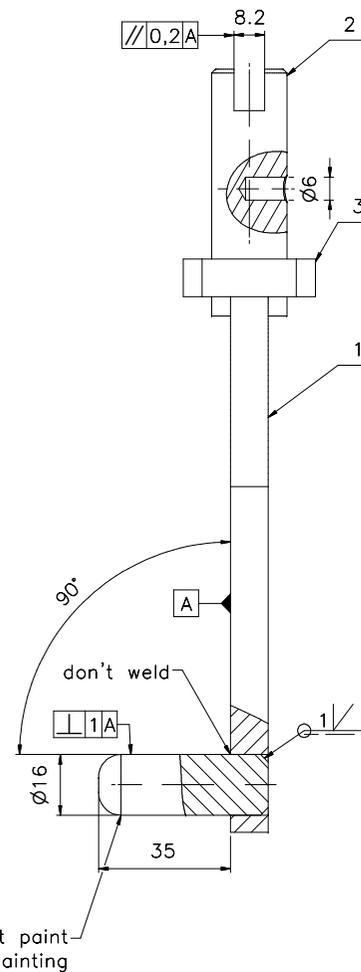
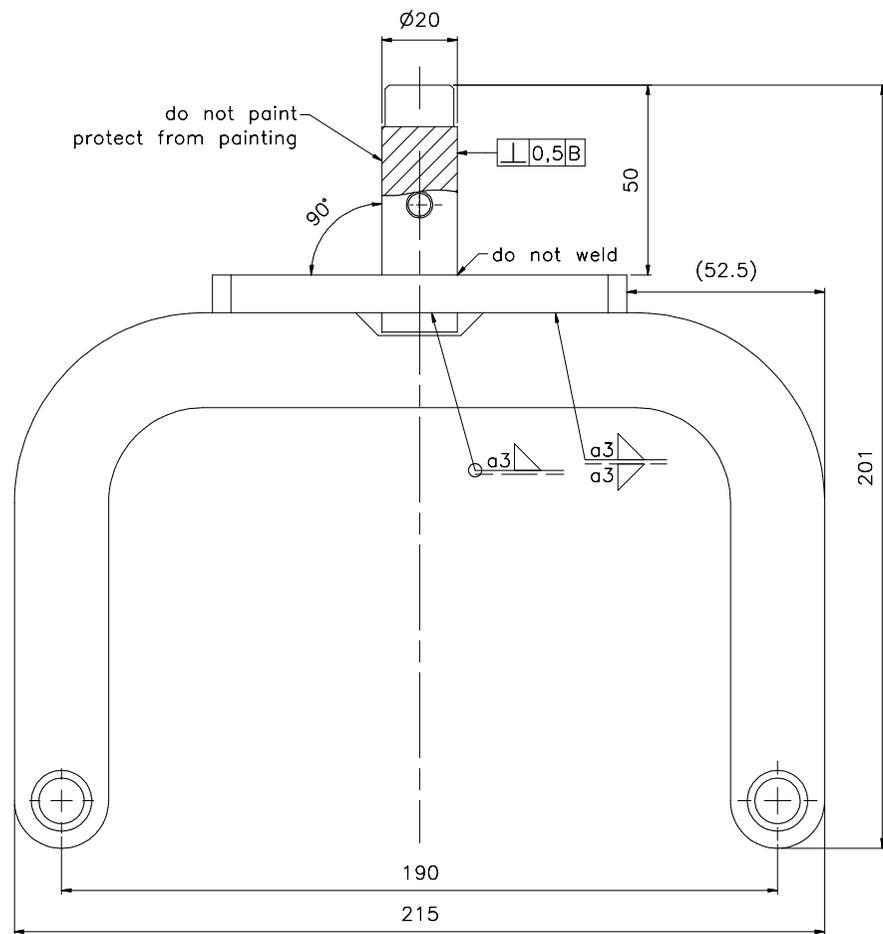


Comments:

1. Check assemblability.
2. Perform Assembly as shown in drawing.
3. Make a trial motions of individual mechanisms and moving parts in order to verify the correctness of installation.
4. Protect against damage and corrosion on time waiting for the main installation.

4	2	Spring-tyt pin x 16 A	ISO 8752 - 6 x 16 A	0	Steel	0	
3	1	Clutch B	SL30 00.02.00	0		1.25	
2	1	Clutch A	SL30 00.01.00	0		1.32	
1	1	Pantograph	SL30 01.00.00	0		5.19	
Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight Tons kg	Comments

Weight 1 set 7,8 kg		Drawing name Sling lift 30kg Main assembly	
Engh.	2016-06-12	papacad	
Draw.	2016-06-12	papacad	
Check.	2016-06-12	papacad	
Ver.	2016-06-12	papacad	
Appr.	2016-06-12	papacad	
		Drawing number SL30 00.00.00	Revision
papacad 3D & 2D CAD PROJECTS free & purchase		www.papacad.com	Scale 1 : 2
		Format A1	Sheet 1 / 1

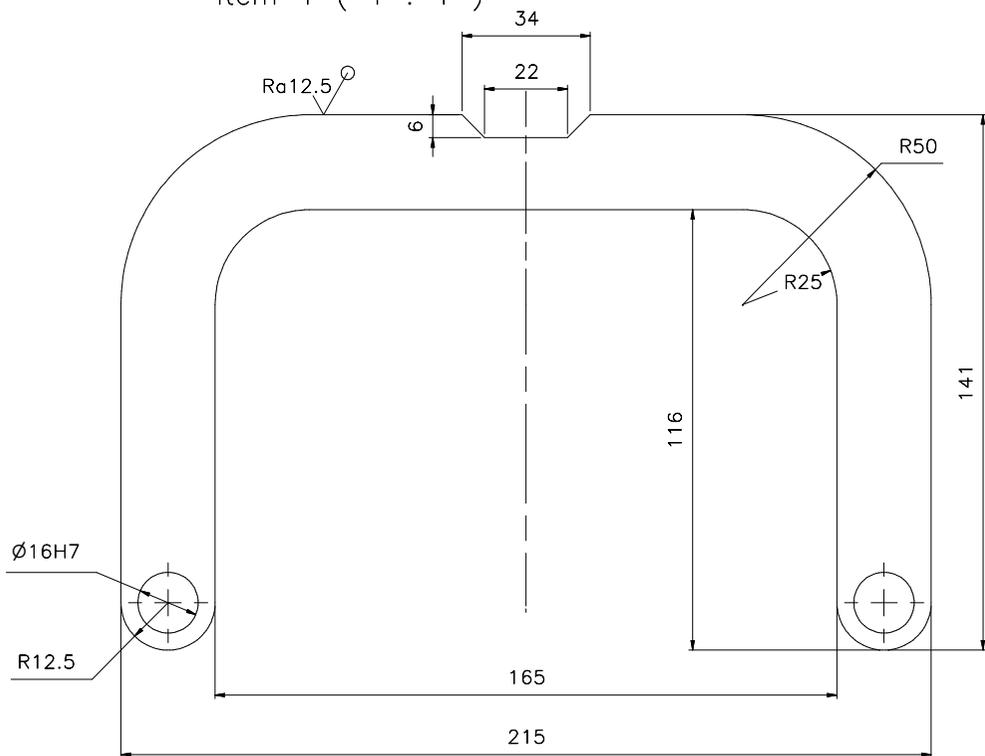


Comments:

1. Blunt sharp edges .
2. Requirements for welding according to ISO 3834-3:2005.
3. Dimensions non-tolerated for machined parts accordance with DIN EN 22768: 1999 Class tolerance m.
4. Dimensions tolerated for welded structures perform under EN ISO 13920 in tolerance class.
5. All dimensions shown without allowances for machining.
6. The roughness of the holes Ra6.3 - unless indicated otherwise.
7. Clean the surfaces for painting to grade
 - Primer - min. paint coating thickness (microns)
 - Topcoat RAL:
 - The number of layers -
 - Minimum thickness of paint coating for respectively individual layers (um) -

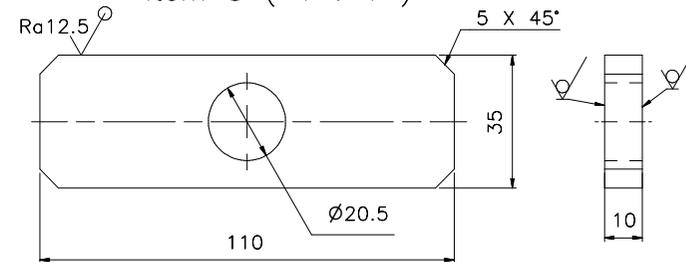
4	2	Bar Ø16, L=45	EN ISO 10060	0	S355JR	0.07	
3	1	Plate 10x35x110	EN ISO 10029	0	S355JR	0.27	
2	1	Bar Ø20, L=65	EN ISO 10060	0	S355JR	0.14	
1	1	Plate 10x141x215	EN ISO 10029	0	S355JR	0.76	
Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1 pcs. kg	Comments
Investor:							
		Weight 1 set	Drawing name				
		1,3 kg	Sling lift 30kg				
Engin.	2016-08-24	papacad	Clutch A				
Draw.	2016-08-24	papacad					
Check.	2016-08-24	papacad	Drawing number				
Ver.	2016-08-24	papacad	SL30 00.01.00				
Appr.	2016-08-24	papacad	Revision				
					Scale	Format	Sheet
			www.papacad.com		1 : 1	A2	1 / 2

Item 1 (1 : 1)

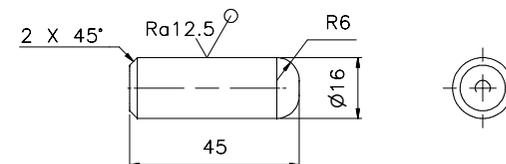


Ra12,5 (✓)

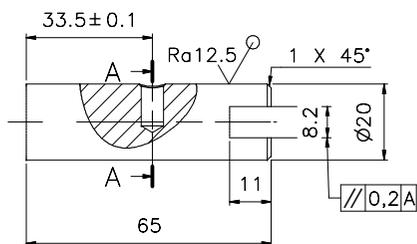
Item 3 (1 : 1)



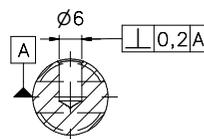
Item 4 (1 : 1)



Item 2 (1 : 1)



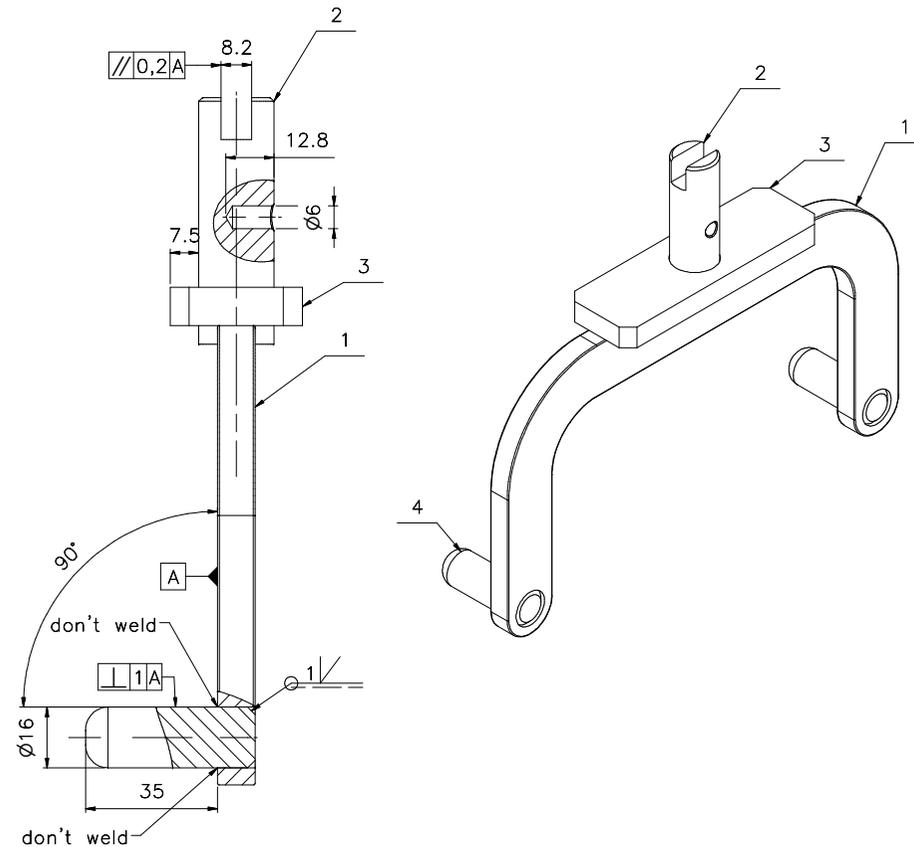
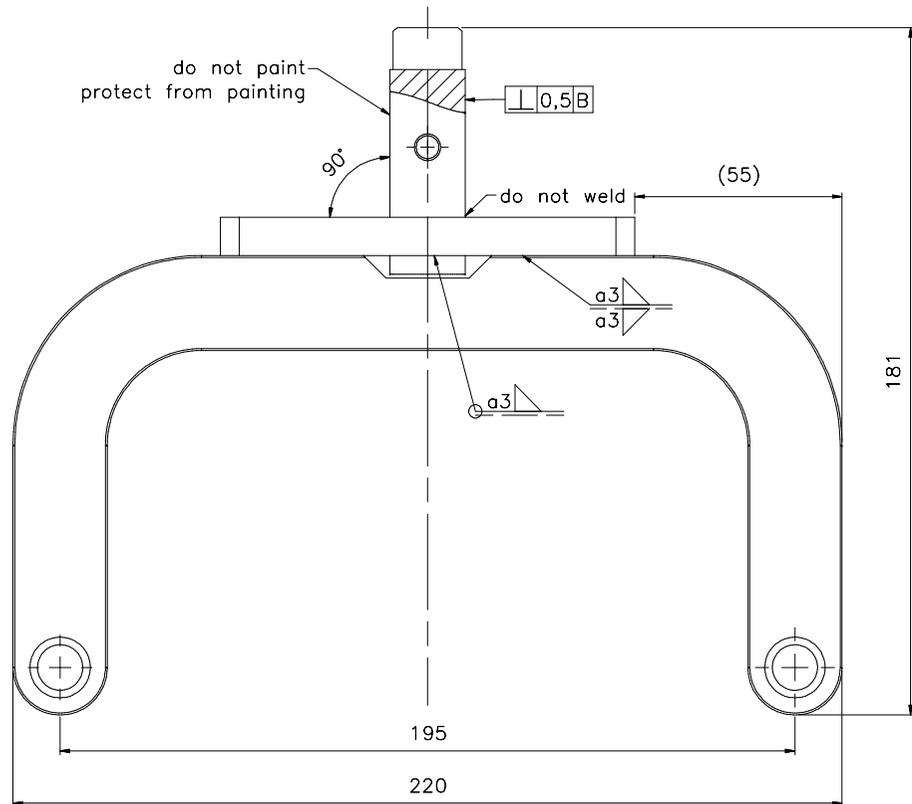
A-A (1 : 1)



Annotations:

1. Sharpen edges - blunt.
2. Non-tolerated dimensions make with tolerance classmK .
3. All dimensions are shown without machining tolerances.
4. The roughness of the holes Ra6.3 unless otherwise indicated .

4	2	Bar Ø16, L=45	EN ISO 10060	0	S355JR	0.07	
3	1	Plate 10x35x110	EN ISO 10029	0	S355JR	0.27	
2	1	Bar Ø20, L=65	EN ISO 10060	0	S355JR	0.14	
1	1	Plate 10x141x215	EN ISO 10029	0	S355JR	0.76	
Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments
Investor:							
		Weight 1 set 1.3 kg	Drawing name Sling lift 30kg				
			Clutch A				
			Drawing number SL30 00.01.00				Revision 0
			Scale 1 : 1		Format A2	Sheet 2 / 2	
		papacad 3D & 2D CAD PROJECTS free & purchase		www.papacad.com			



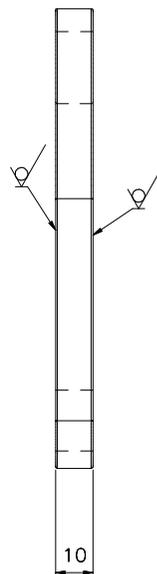
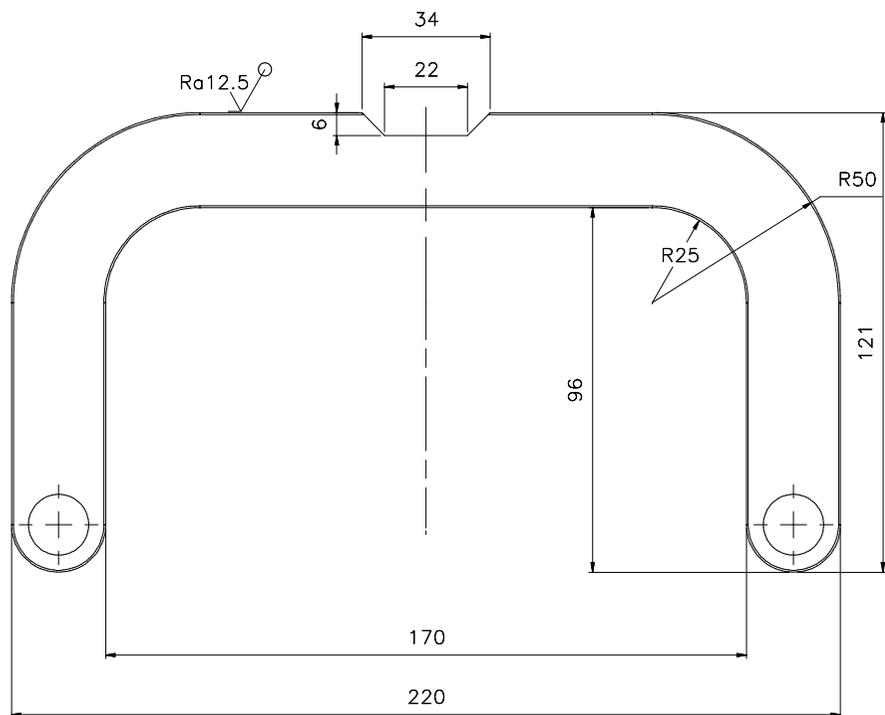
Comments:

1. Blunt sharp edges .
2. Requirements for welding according to ISO 3834-3:2005.
3. Dimensions non-tolerated for machined parts accordance with DIN EN 22768: 1999 Class tolerance m.
4. Dimensions tolerated for welded structures perform under EN ISO 13920 in tolerance class.
5. All dimensions shown without allowances for machining.
6. The roughness of the holes Ra6.3 - unless indicated otherwise.
7. Clean the surfaces for painting to grade
 - Primer - min. paint coating thickness (microns)
 - Topcoat RAL:
 - The number of layers -
 - Minimum thickness of paint coating for respectively individual layers (um) -

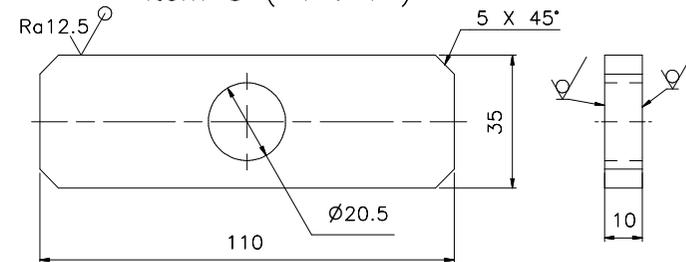
4	2	Bar Ø16, L=45	EN ISO 10060	0	S355JR	0.07	
3	1	Plate 10x35x110	EN ISO 10029	0	S355JR	0.27	
2	1	Bar Ø20, L=65	EN ISO 10060	0	S355JR	0.14	
1	1	Plate 10x121x220	EN ISO 10029	0	S355JR	0.69	
Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments
Investor:							
		Weight 1 set	Drawing name				
		1.2 kg	Sling lift 30kg				
Engin.	2016-09-05	papacad	Clutch B				
Draw.	2016-08-24	papacad	Drawing number				
Check.	2016-09-05	papacad	SL30 00.02.00				
Ver.	2016-08-24	papacad	Revision				
Appr.	2016-08-24	papacad	0				
papacad			Scale	Format	Sheet		
3D & 2D CAD PROJECTS free & purchase			1 : 1	A2	1 / 2		

Item 1 (1 : 1)

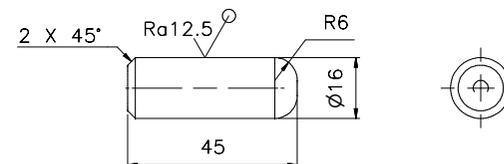
Ra12,5 (✓)



Item 3 (1 : 1)

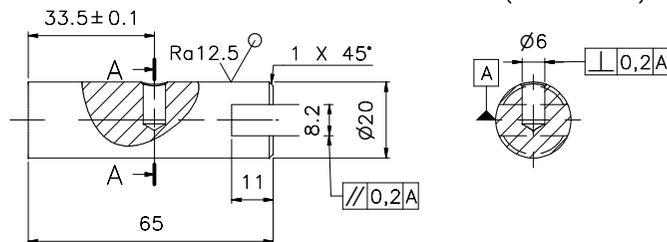


Item 4 (1 : 1)



Item 2 (1 : 1)

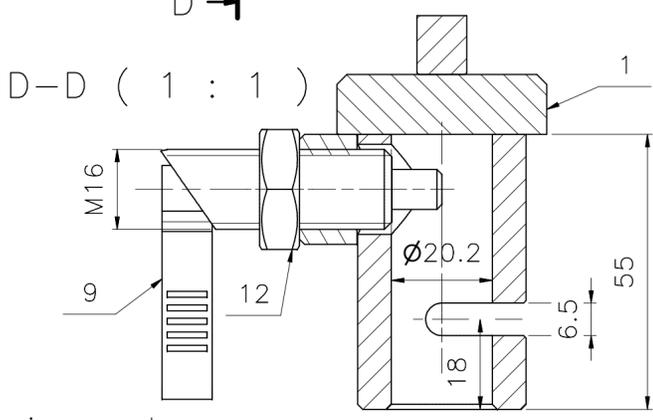
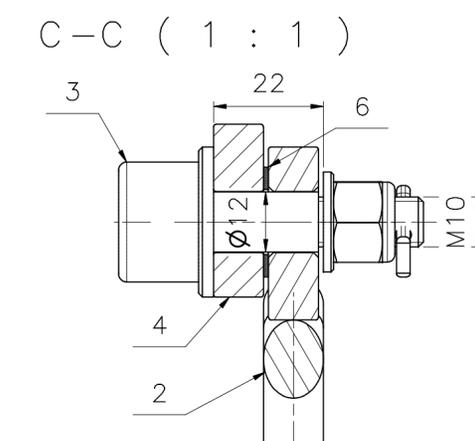
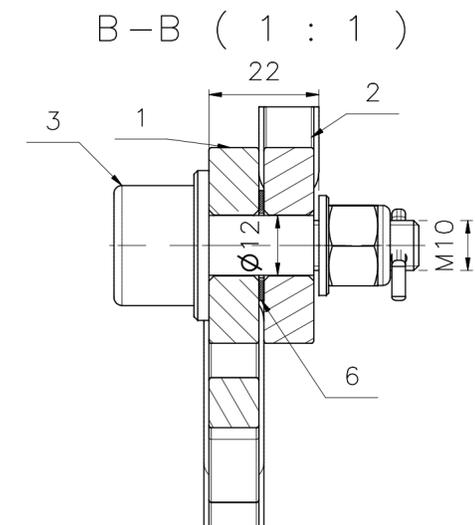
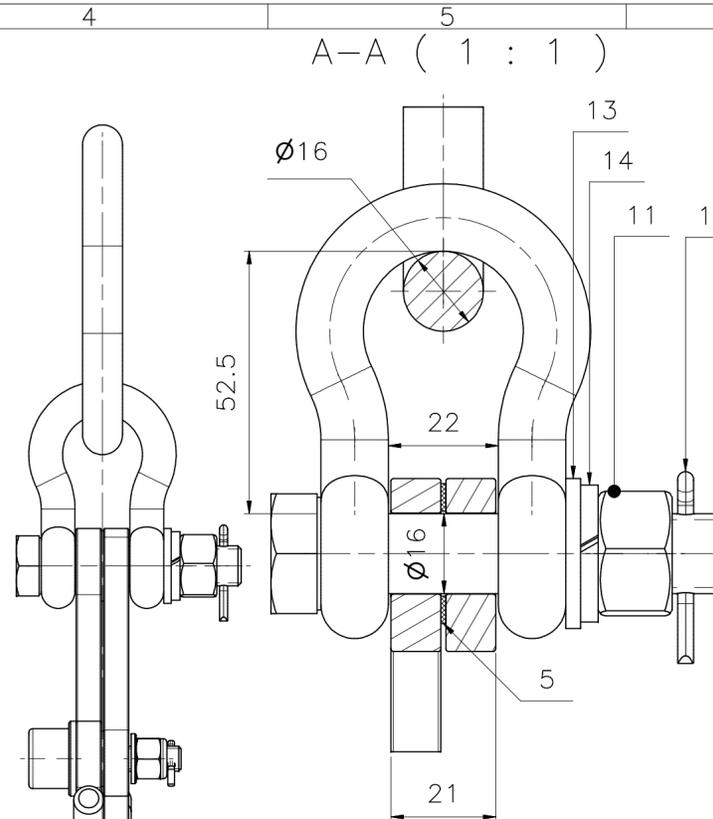
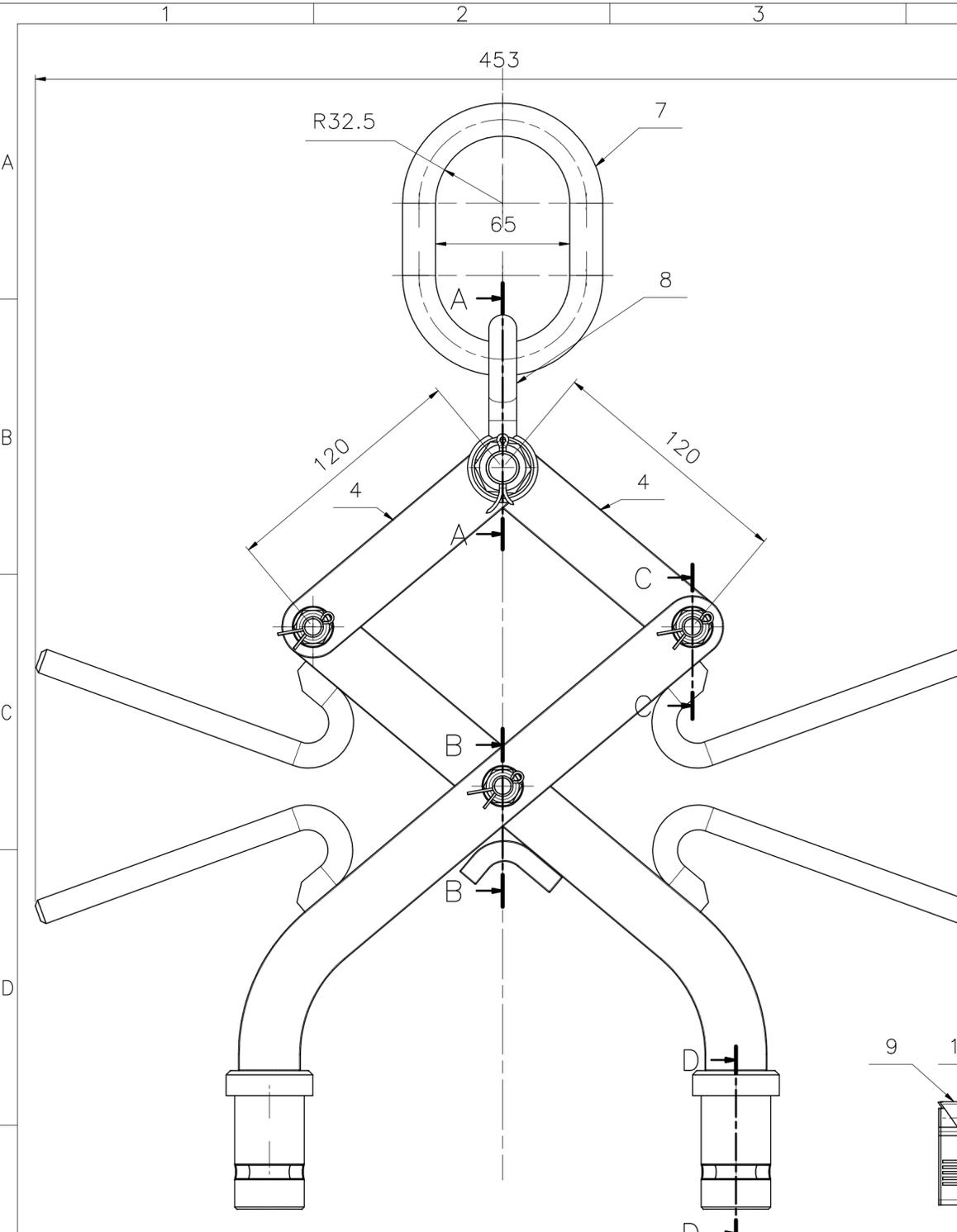
A-A (1 : 1)



Annotations:

1. Sharpen edges - blunt.
2. Non-tolerated dimmenions make with tolerance classmK .
3. All dimmension are shown without machining tolerances.
4. The roughness of the holes Ra6.3 unless otherwise indicated .

4	2	Bar Ø16, L=45	EN ISO 10060	0	S355JR	0.07	
3	1	Plate 10x35x110	EN ISO 10029	0	S355JR	0.27	
2	1	Bar Ø20, L=65	EN ISO 10060	0	S355JR	0.14	
1	1	Plate 10x121x220	EN ISO 10029	0	S355JR	0.69	
Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments
Investor:							
		Weight 1 set 1.2 kg	Drawing name Sling lift 30kg Clutch B				
Engn.	2016-09-05	papacad					
Draw.	2016-08-24	papacad					
Check.	2016-09-05	papacad					
Ver.	2016-08-24	papacad					
Appr.	2016-08-24	papacad					
			Drawing number SL30 00.02.00			Revision 0	
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Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1 pcs. kg	Comments
15	1	Cotter pin 3,2x28	DIN EN ISO 1234 - 3,2x28	0	Steel, Galvanized	0	
14	1	Spring Washer A16	DIN 127 - A 16	0	Steel, Galvanized	0.01	
13	1	Flat Washer A17	DIN 125 - A 17	0	Steel, Galvanized	0.01	
12	2	Flat Nut M16	ISO 4035 - M16	0	Steel, Galvanized	0.02	
11	1	Nut M16	ISO 4032 - M16	0	Steel, Galvanized	0.04	
10	1	Bolt M16x80	ISO 4014 - M16 x 80	0	Steel, Galvanized	0.16	
9	2	Cam action indexing plunger	GN 612	0	Steel	0.09	
8	1	D Ring Shackle	D Ring Shackle G4163	0	Steel, Galvanized	0.26	
7	1	Oblong masterlink	Oblong masterlink AN 1,6	0	Steel, Galvanized	0.51	
6	3	Washer B	SL30 01.00.03	0	Steel	0	
5	1	Washer A	SL30 01.00.02	0	Steel	0	
4	2	Bar - short	SL30 01.00.01	0	S355J R	0.31	
3	3	Special screw	SL30 01.03.00	0		0.11	
2	1	Arm B	SL30 01.02.00	0	S355J R	1.48	
1	1	Arm A	SL30 01.01.00	0	S355J R	1.53	

- Comments:
1. Check assemblability.
 2. Perform Assembly as shown in drawing.
 3. Make a trial motions of individual mechanisms and moving parts in order to verify the correctness of installation.
 4. Protect against damage and corrosion on time waiting for the main installation.

Investor:

Weight 1 set 5,2 kg

Drawing name Sling lift 30kg

Pantograph

Drawing number SL30 01.00.00

Revision 0

Engin.	2016-08-01	papacad
Draw.	2016-08-23	papacad
Check.		papacad
Ver.	2016-08-23	papacad
Appr.	2016-08-23	papacad

Scale 1 : 2

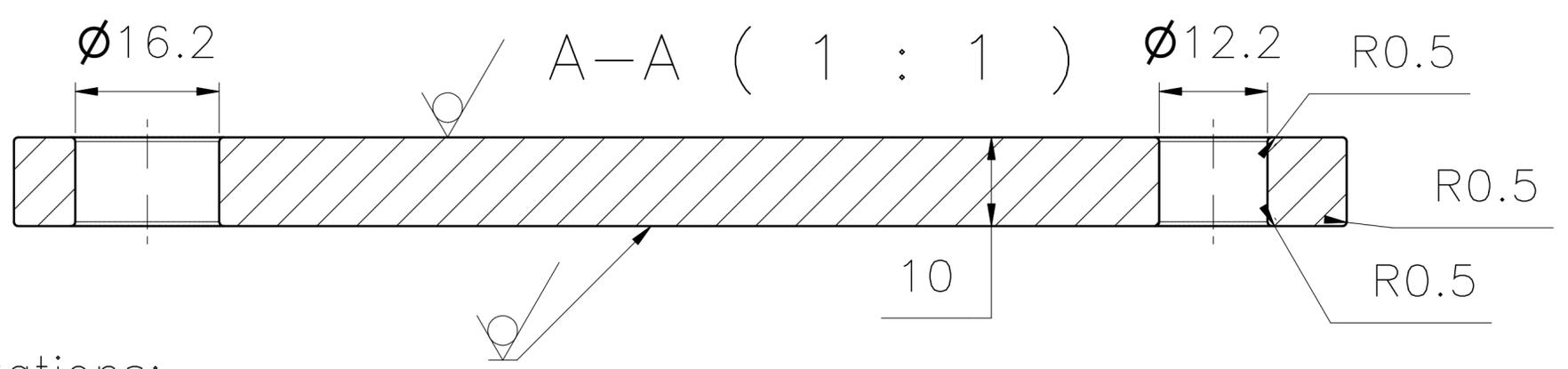
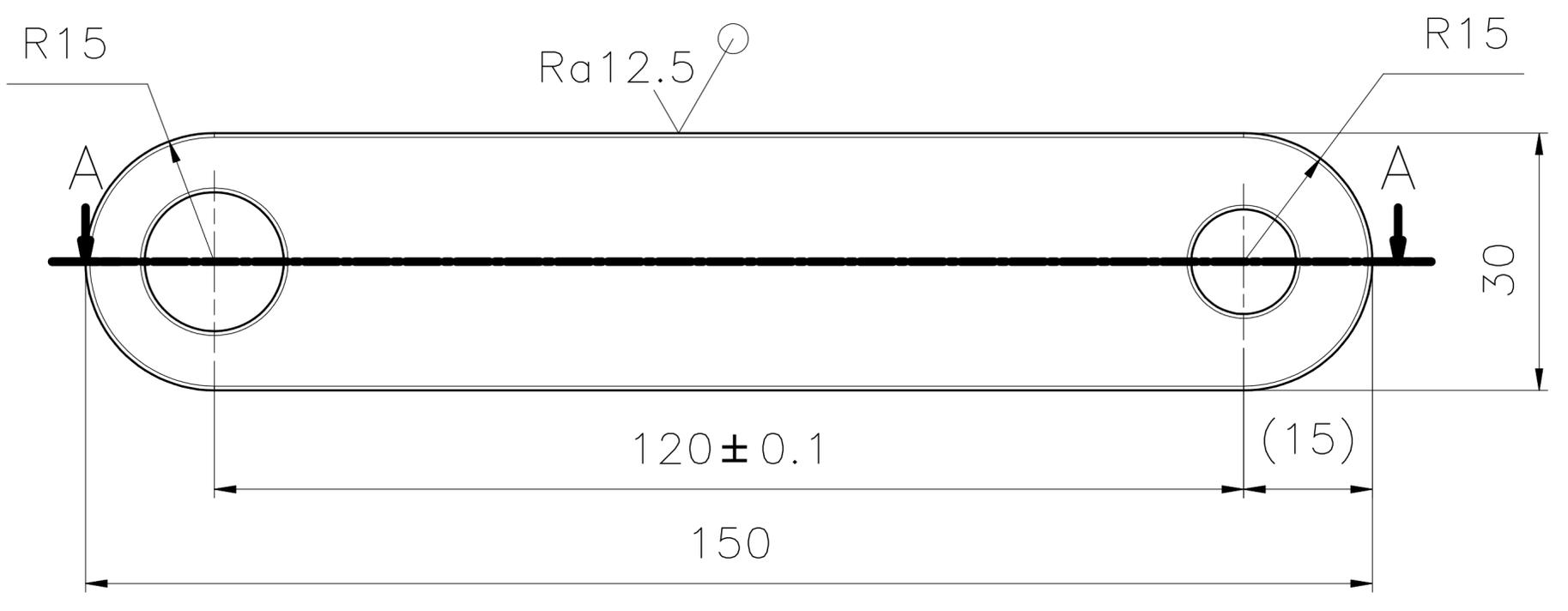
Format A2

Sheet 1 / 1

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Ra12.5 (✓) (✓)



Annotations:

1. Sharpen edges – blunt.
2. Non-tolerated dimensions make with tolerance class mK.
3. All dimensions are shown without machining tolerances.
4. The roughness of the holes Ra6.3 unless otherwise indicated.

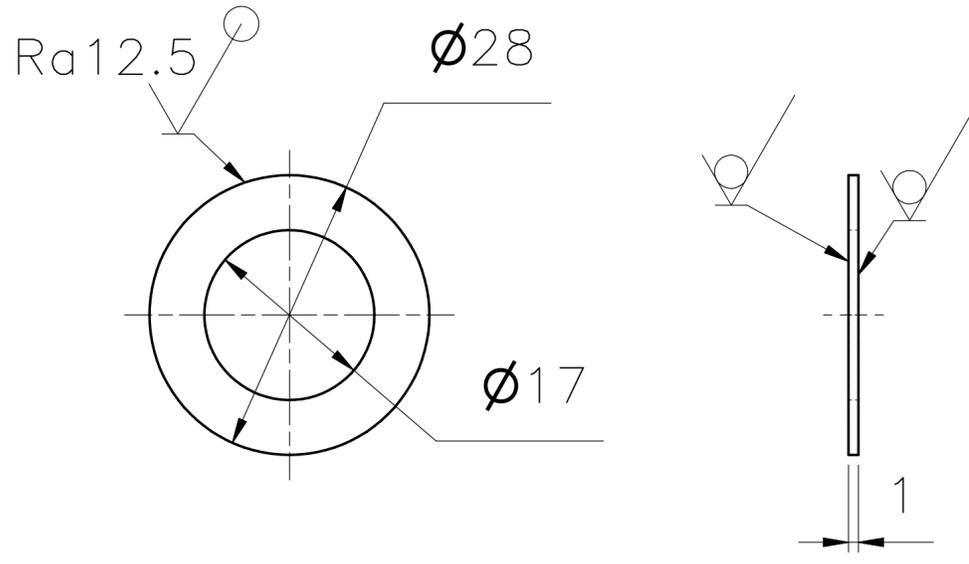
1	1	Bar 10x30x150	EN ISO 10029	0	S355JR	0.31	
Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments

Inwestor:

Weight 1 set 0,31 kg		Drawing name Sling lift 30kg	
Engin. 2016-08-23 papacad		Drawing number SL30 01.00.01	
Draw. 2016-06-04 papacad			
Check. 2016-08-23 papacad			
Ver. 2016-06-04 papacad			
Appr. 2016-06-04 papacad			
		Revision 0	

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			1 : 1	A4	1 / 1

Ra12.5 (✓) (✓)



Annotations:

1. Sharpen edges – blunt.
2. Non-tolerated dimensions make with tolerance class mK .
3. All dimensions are shown without machining tolerances.
4. The roughness of the holes Ra6.3 unless otherwise indicated

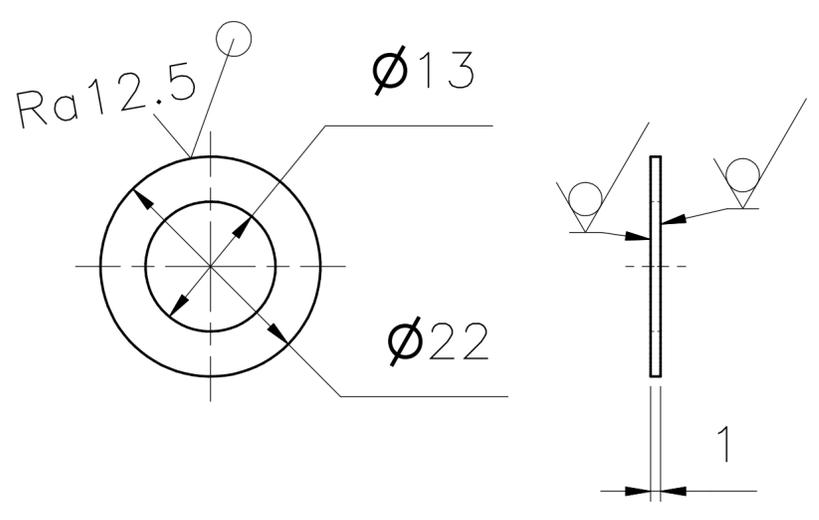
1	1	Sheet 1xØ28	EN ISO 10029	0	Steel	0	
Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments

Inwestor:

Weight 1 set 0,00 kg		Drawing name Sling lift 30kg					
Engin. 2016-08-23 papacad		Drawing number SL30 01.00.02					
Draw. 2016-08-23 papacad							
Check. 2016-08-23 papacad							
Ver. 2016-08-23 papacad							
Appr. 2016-08-23 papacad							
Revision 0							

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			1 : 1	A4	1 / 1

Ra12.5 (✓) (✓)



Annotations:

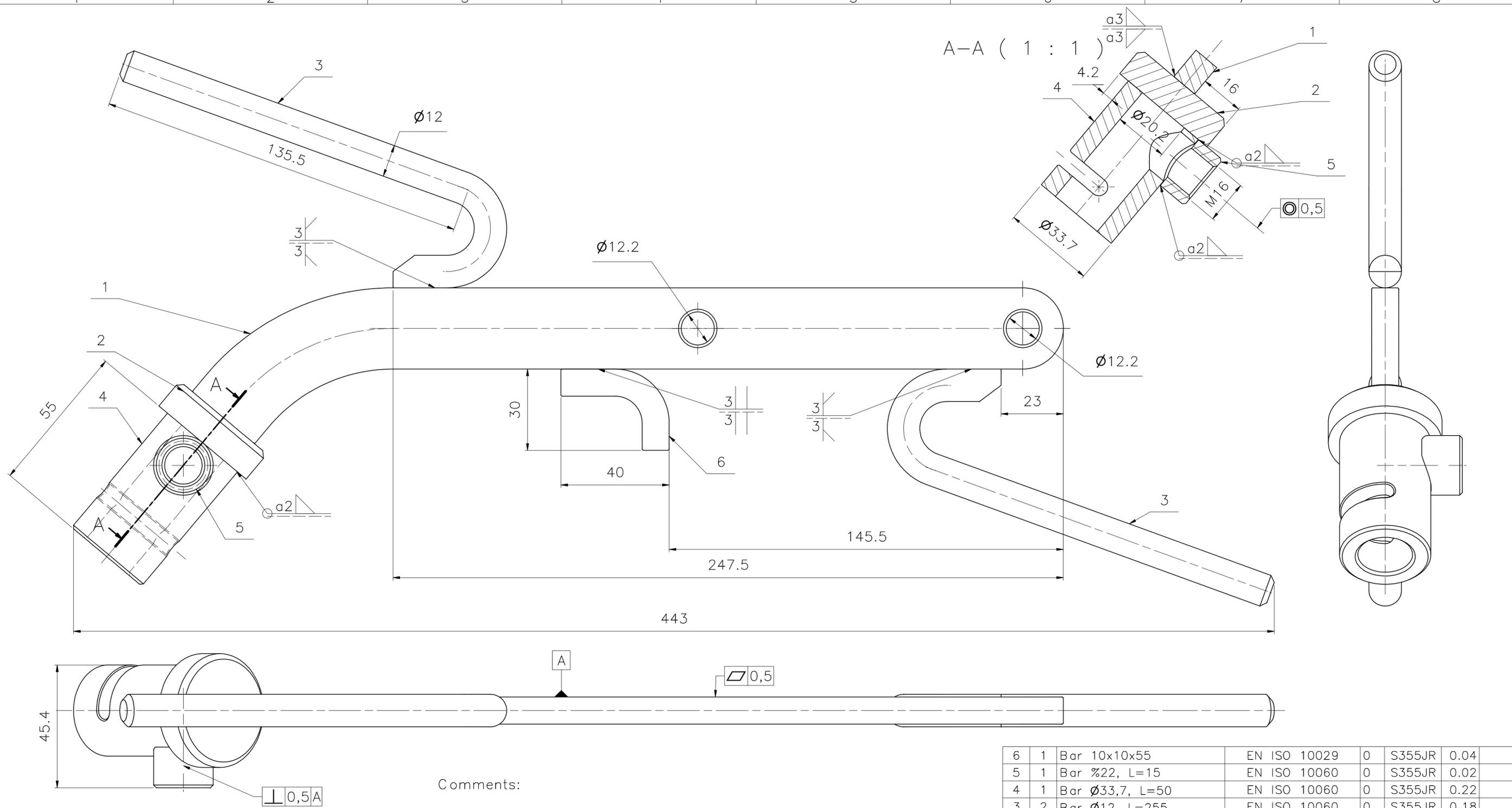
1. Sharpen edges – blunt.
2. Non-tolerated dimensions make with tolerance class mK .
3. All dimensions are shown without machining tolerances.
4. The roughness of the holes Ra6.3 unless otherwise indicated

1	1	Sheet 1x ϕ 22	EN ISO 10029	0	Steel	0	
Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments

Inwestor:

Weight 1 set 0,00 kg		Drawing name Sling lift 30kg					
Engin.	2016-08-23	papacad	Drawing number SL30 01.00.03				Revision 0
Draw.	2016-08-23	papacad					
Check.	2016-08-23	papacad					
Ver.	2016-08-23	papacad					
Appr.	2016-08-23	papacad					

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			1 : 1	A4	1 / 1



Comments:

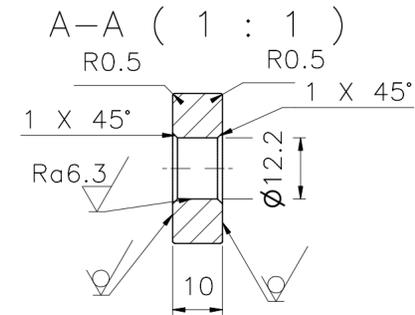
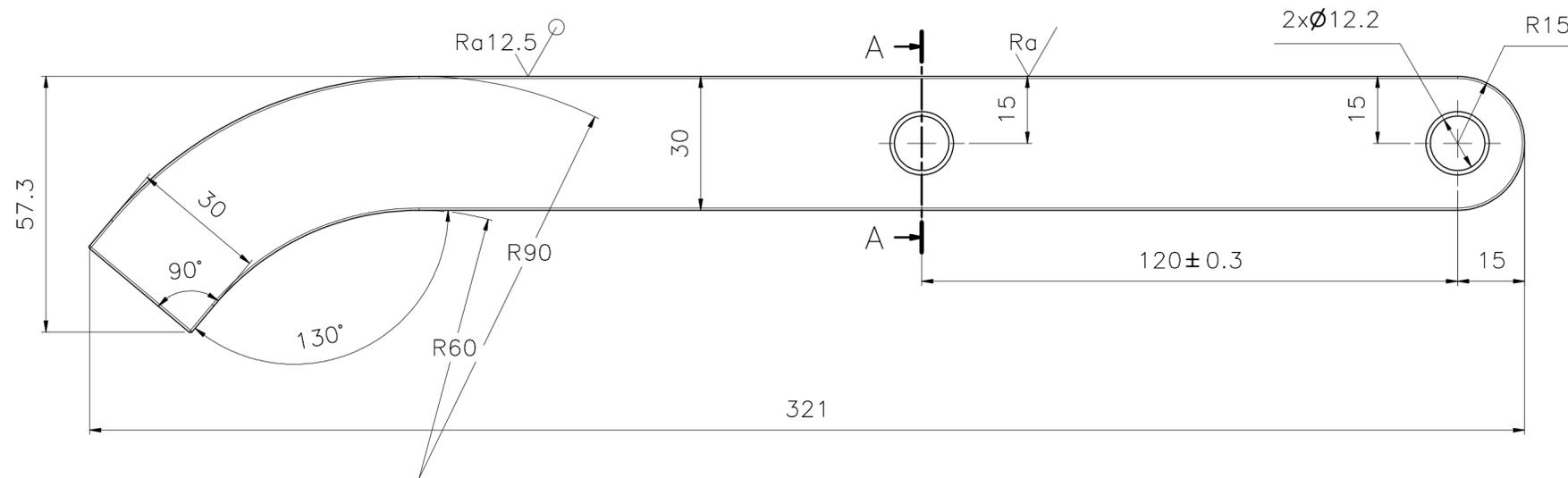
1. Blunt sharp edges .
2. Requirements for welding according to ISO 3834-3:2005.
3. Dimensions non-tolerated for machined parts accordance with DIN EN 22768: 1999 Class tolerance m.
4. Dimensions tolerated for welded structures perform under EN ISO 13920 in tolerance class.
5. All dimensions shown without allowances for machining.
6. The roughness of the holes Ra6.3 – unless indicated otherwise.
7. Clean the surfaces for painting to grade
 - Primer – min. paint coating thickness (microns)
 - Topcoat RAL:
 - The number of layers –
 - Minimum thickness of paint coating for respectively individual layers (um) –

Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments
6	1	Bar 10x10x55	EN ISO 10029	0	S355JR	0.04	
5	1	Bar ∅22, L=15	EN ISO 10060	0	S355JR	0.02	
4	1	Bar ∅33,7, L=50	EN ISO 10060	0	S355JR	0.22	
3	2	Bar ∅12, L=255	EN ISO 10060	0	S355JR	0.18	
2	1	Bar ∅42, L=12	EN ISO 10060	0	S355JR	0.13	
1	1	Bar 10x30x321	EN ISO 10029	0	S355JR	0.75	

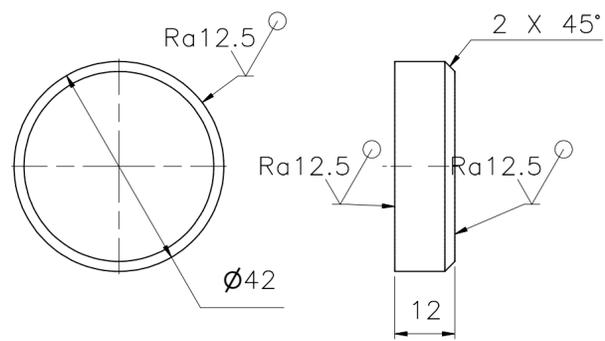
Investor:		Drawing name	
		Sling lift 30kg	
Weight 1 set		Drawing number	
1.5 kg		Arm A	
Enjin.	2016-08-05	papacad	Drawing number
Draw.	2016-08-05	papacad	
Check.	2016-08-05	papacad	
Ver.	2016-08-05	papacad	
Appr.	2016-08-05	papacad	
SL30 01.01.00			Revision
			0
papacad		Scale	Format
3D & 2D CAD PROJECTS		1 : 1	A2
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Item 1 (1 : 1)

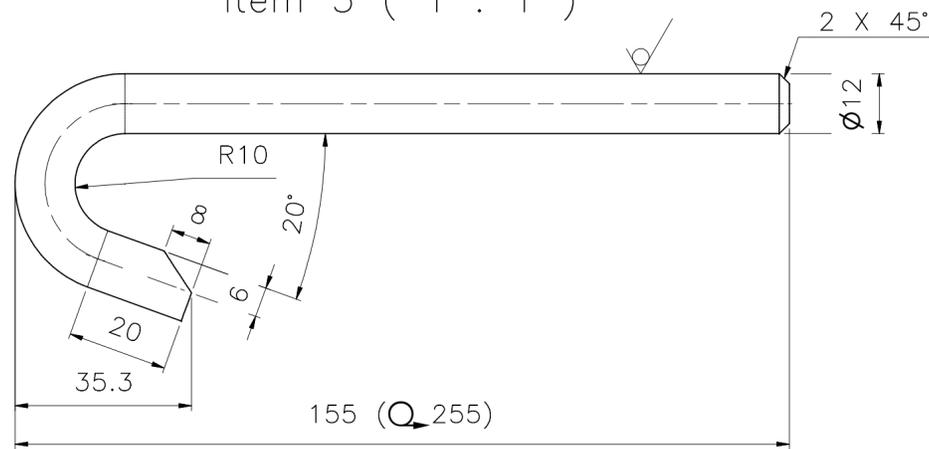
Ra12.5 (✓) (✓)



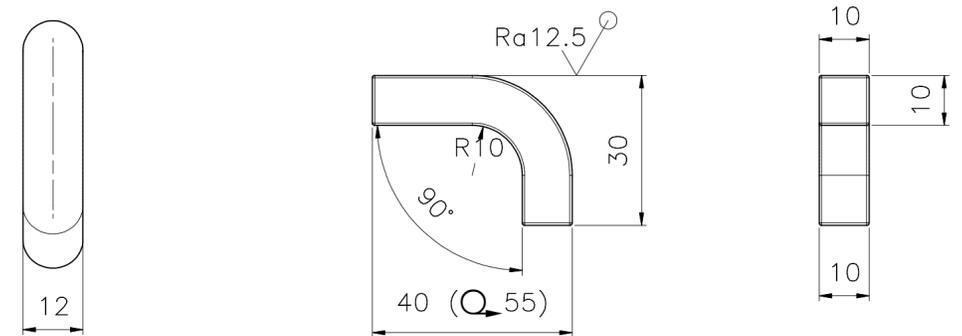
Item 2 (1 : 1)



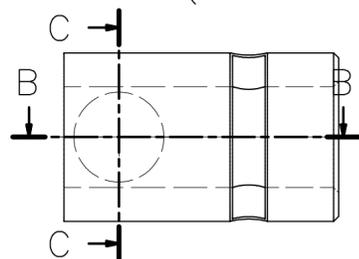
Item 3 (1 : 1)



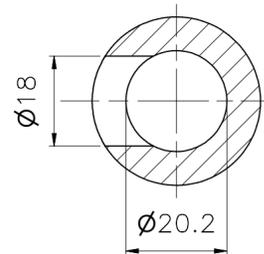
Item 6 (1 : 1)



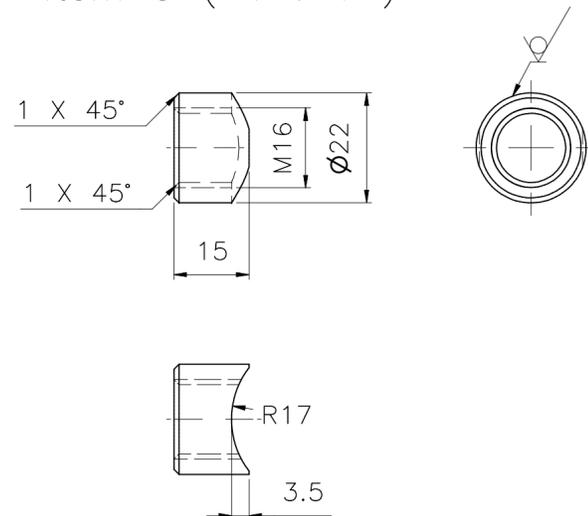
Item 4 (1 : 1)



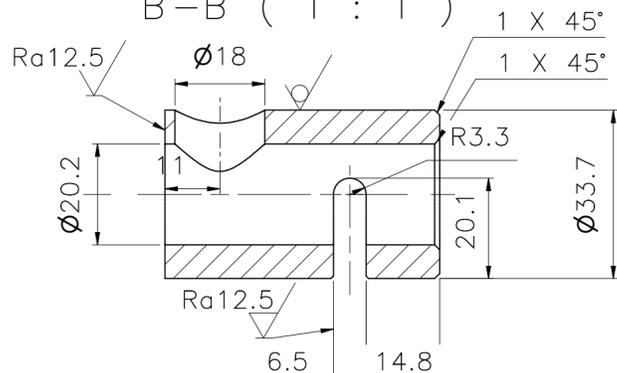
C-C (1 : 1)



Item 5 (1 : 1)



B-B (1 : 1)

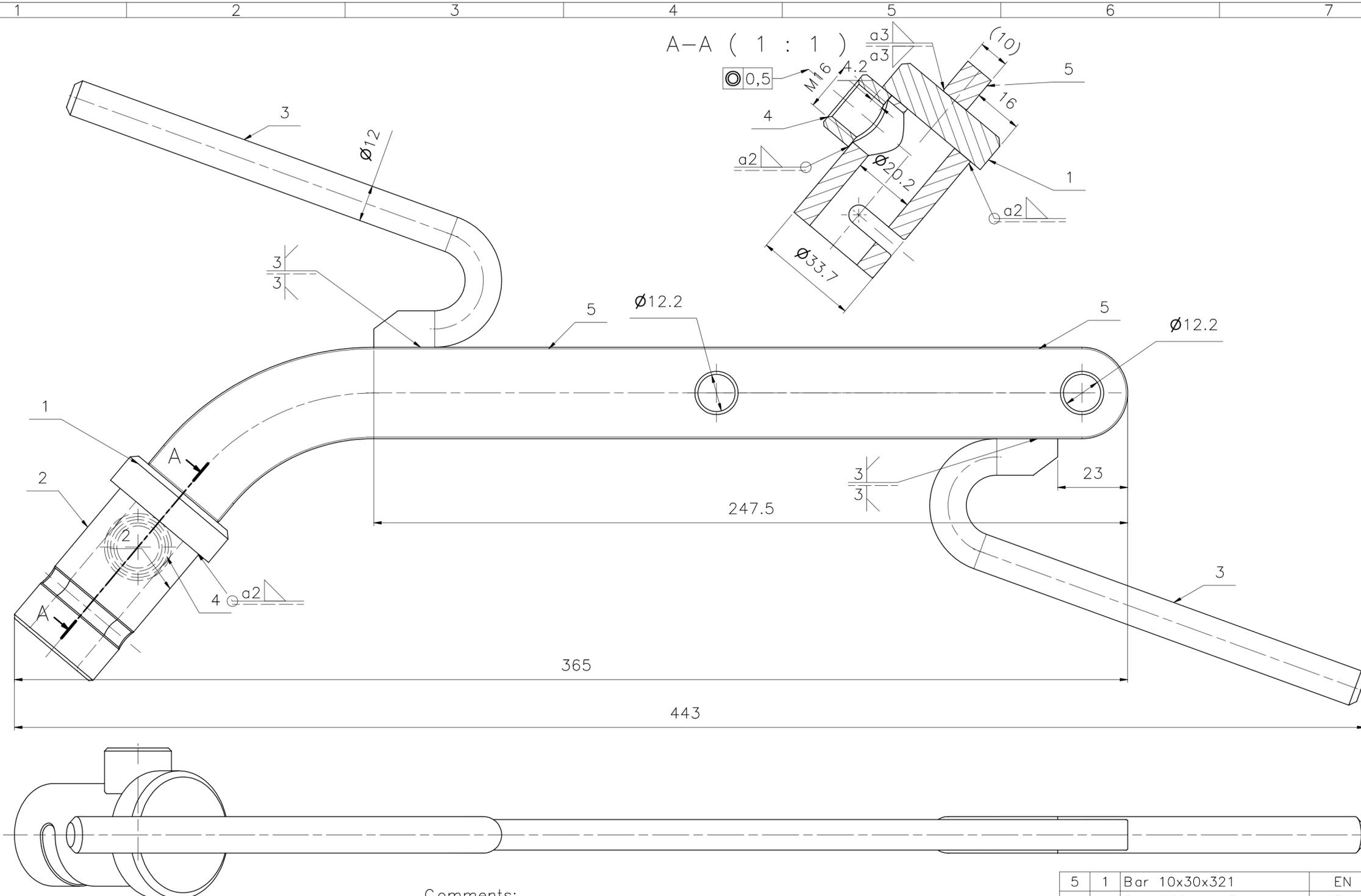


Annotations:

1. Sharpen edges - blunt.
2. Non-tolerated dimmenions make with tolerance classmK .
3. All dimmension are shown without machining tolerances.
4. The roughness of the holes Ra6.3 unless otherwise indicated .

Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments
6	1	Bar 10x10x55	EN ISO 10029	0	S355JR	0.04	
5	1	Bar %22, L=15	EN ISO 10060	0	S355JR	0.02	
4	1	Bar Ø33,7, L=50	EN ISO 10060	0	S355JR	0.22	
3	2	Bar Ø12, L=255	EN ISO 10060	0	S355JR	0.18	
2	1	Bar Ø42, L=12	EN ISO 10060	0	S355JR	0.13	
1	1	Bar 10x30x321	EN ISO 10029	0	S355JR	0.75	

Investor:							
Weight 1 set 1,5 kg		Drawing name Sling lift 30kg					
Engin. 2016-08-05 papacad		Drawing number SL30 01.01.00					
Draw. 2016-08-05 papacad		Revision 0					
Check. 2016-08-05 papacad		Format A2					
Ver. 2016-08-05 papacad		Scale 1 : 1					
Appr. 2016-08-05 papacad		Sheet 2 / 2					
<p>papacad 3D & 2D CAD PROJECTS free & purchase</p>		www.papacad.com					



Comments:

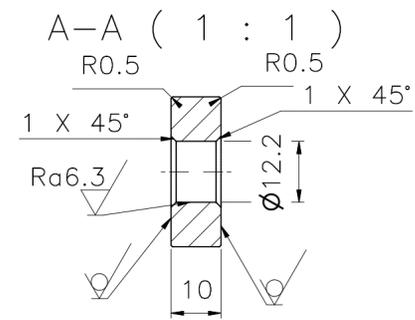
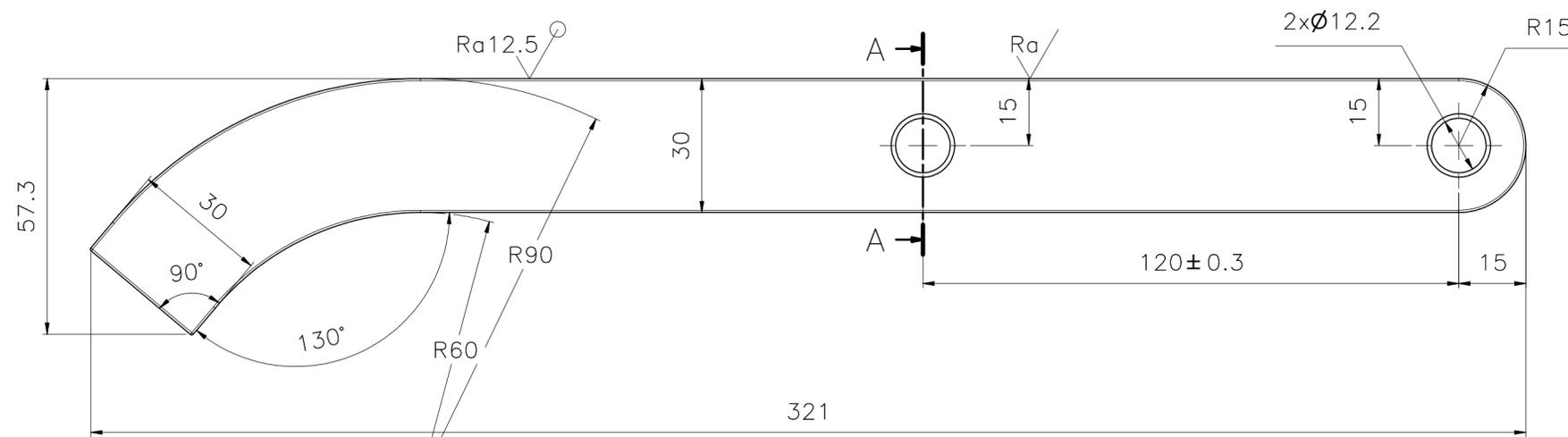
1. Blunt sharp edges .
2. Requirements for welding according to ISO 3834-3:2005.
3. Dimensions non-tolerated for machined parts accordance with DIN EN 22768: 1999 Class tolerance m.
4. Dimensions tolerated for welded structures perform under EN ISO 13920 in tolerance class.
5. All dimensions shown without allowances for machining.
6. The roughness of the holes Ra6.3 – unless indicated otherwise.
7. Clean the surfaces for painting to grade
 - Primer – min. paint coating thickness (microns)
 - Topcoat RAL:
 - The number of layers –
 - Minimum thickness of paint coating for respectively individual layers (um) –

Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments
5	1	Bar 10x30x321	EN ISO 10029	0	S355JR	0.75	
4	1	Bar %22, L=15	EN ISO 10060	0	S355JR	0.02	
3	2	Bar $\varnothing 12$, L=255	EN ISO 10060	0	S355JR	0.18	
2	1	Bar $\varnothing 33,7$, L=50	EN ISO 10060	0	S355JR	0.22	
1	1	Bar $\varnothing 42$, L=12	EN ISO 10060	0	S355JR	0.13	

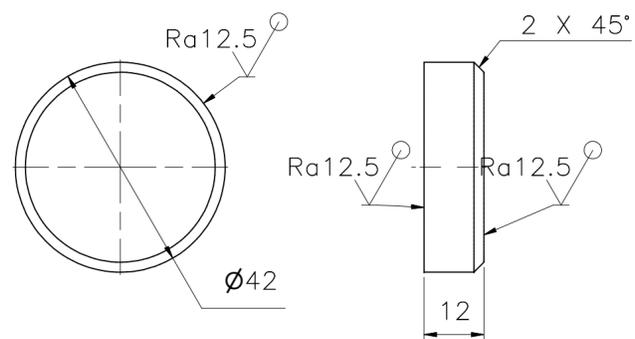
Investor:							
Weight 1 set 1.5 kg		Drawing name Sling lift 30kg					
Engin. 2016-08-15 papacad		Arm B					
Draw. 2016-08-05 papacad		Drawing number SL30 01.02.00					Revision 0
Check. 2016-08-15 papacad							
Ver. 2016-08-05 papacad							
Appr. 2016-08-05 papacad							
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Item 1 (1 : 1)

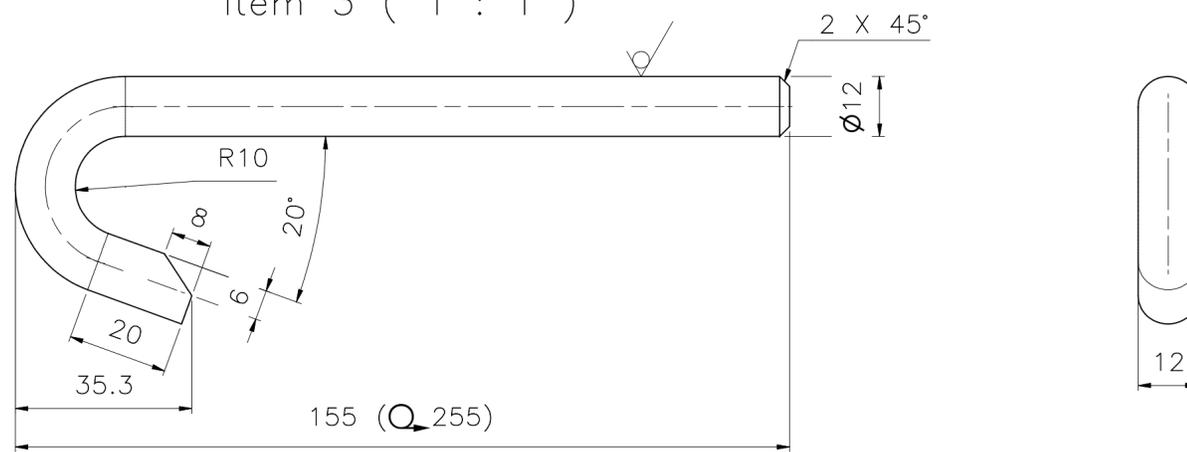
Ra12.5 (✓) (✓)



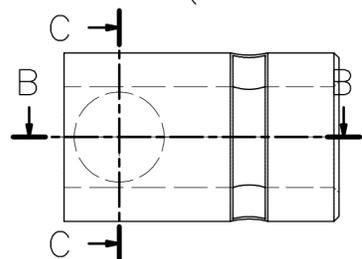
Item 2 (1 : 1)



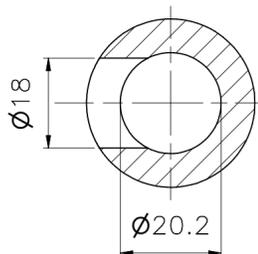
Item 3 (1 : 1)



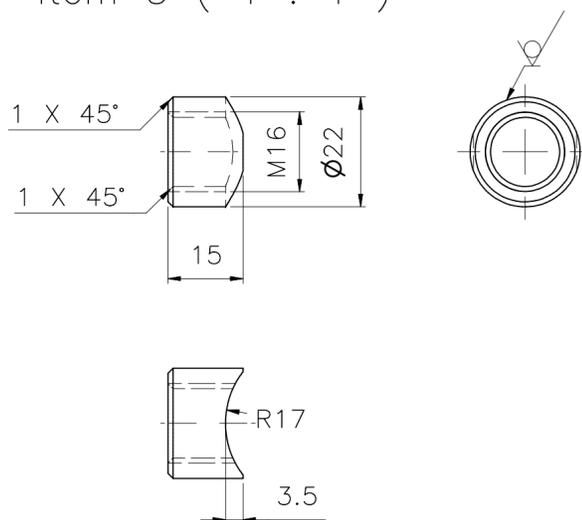
Item 4 (1 : 1)



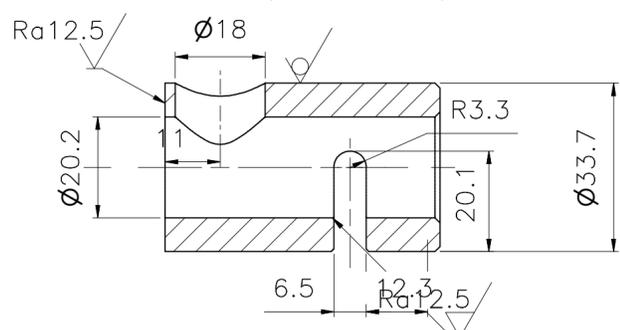
C-C (1 : 1)



Item 5 (1 : 1)



B-B (1 : 1)



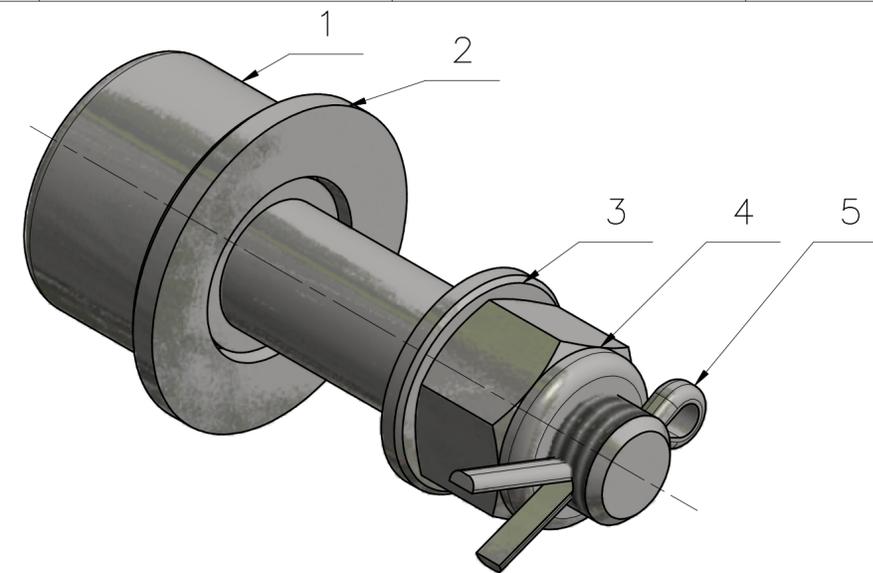
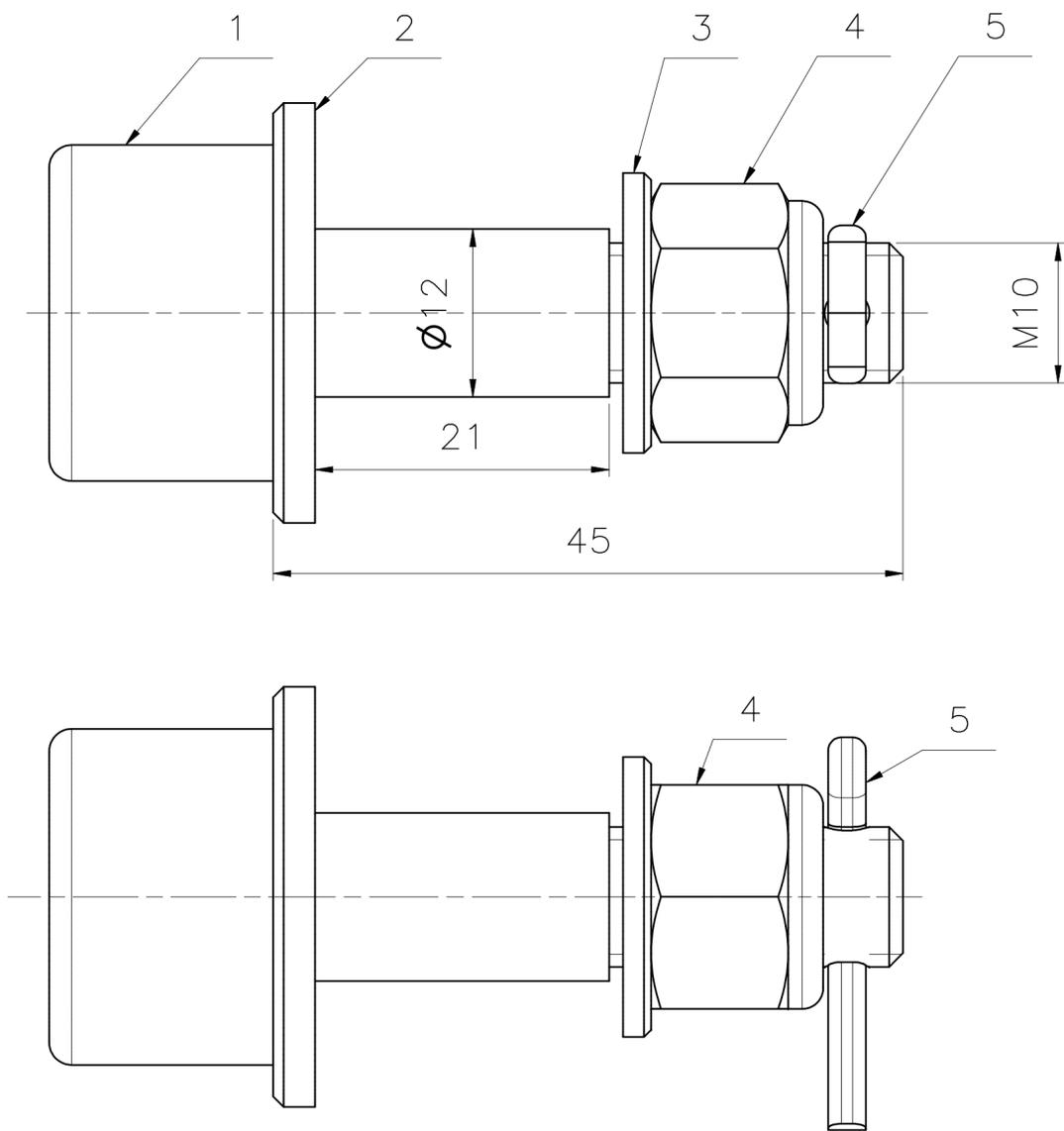
Annotations:

1. Sharpen edges - blunt.
2. Non-tolerated dimmenions make with tolerance classmK .
3. All dimmension are shown without machining tolerances.
4. The roughness of the holes Ra6.3 unless otherwise indicated .

Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments
4	1	Bar %22, L=15	EN ISO 10060	0	S355JR	0.02	
2	1	Bar Ø33,7, L=50	EN ISO 10060	0	S355JR	0.22	
3	2	Bar Ø12, L=255	EN ISO 10060	0	S355JR	0.18	
1	1	Bar Ø42, L=12	EN ISO 10060	0	S355JR	0.13	
5	1	Bar 10x30x321	EN ISO 10029	0	S355JR	0.75	

Investor:		Drawing name		Sling lift 30kg	
Weight 1 set 1,5 kg		Drawing number		Arm B	
Engr. 2016-08-15 papacad		Revision		0	
Draw. 2016-08-05 papacad		SL30 01.02.00		Sheet	
Check. 2016-08-15 papacad		Scale		1 : 1	
Ver. 2016-08-05 papacad		Format		A2	
Appr. 2016-08-05 papacad		www.papacad.com		2 / 2	

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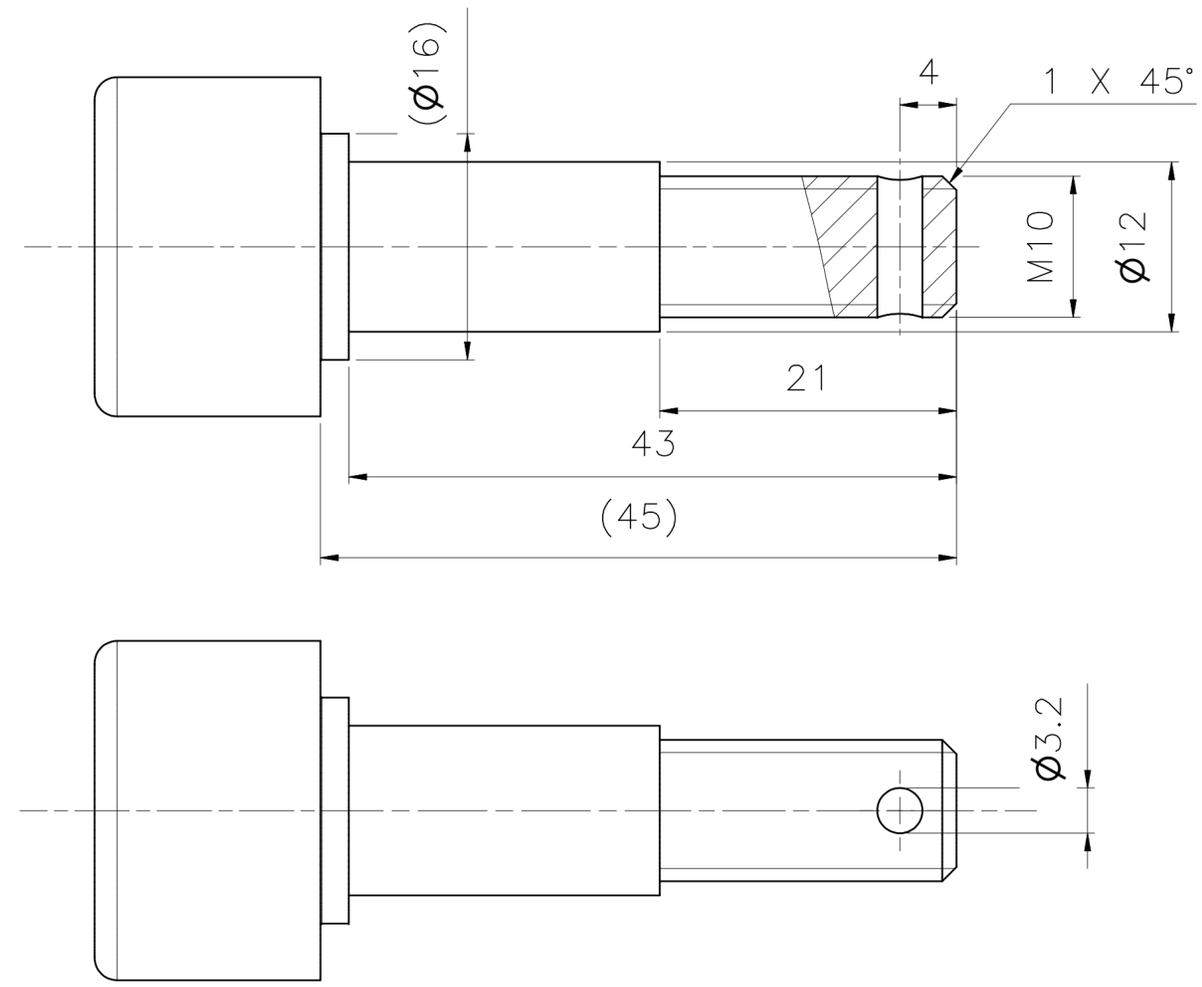
Comments:

1. Blunt sharp edges .
2. Requirements for welding according to ISO 3834-3:2005.
3. Dimensions non-tolerated for machined parts accordance with DIN EN 22768: 1999 Class tolerance m.
4. Dimensions tolerated for welded structures perform under EN ISO 13920 in tolerance class.
5. All dimensions shown without allowances for machining.
6. The roughness of the holes Ra6.3 – unless indicated otherwise.
7. Clean the surfaces for painting to grade
 - Primer – min. paint coating thickness (microns)
 - Topcoat RAL:
 - The number of layers –
 - Minimum thickness of paint coating for respectively individual layers (um) –

Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1 pcs. kg	Comments
5	1	Spli pin 3,2x18	ISO 1234 3,2 x 18	0	Steel, Galvanized	0	
4	1	Hex nut with torque part	EN ISO 7040-M10	0	Steel, Galvanized	0.02	
3	1	Washer A10,5	DIN 125-2 - 10,5	0	Steel, Galvanized	0	
2	1	Washer A17	DIN 125-2 - 17	0	Steel, Galvanized	0.01	
1	1		SL30 01.03.01	0	Steel, Galvanized	0.08	

Investor:							
Weight 1 set		Drawing name					
0.1 kg		Sling lift 30kg					
		Special screw					
Engin.	2016-08-23	papacad	Drawing number				Revision
Draw.	2016-08-23	papacad	SL30 01.03.00				0
Check.	2016-08-23	papacad					
Ver.	2016-08-23	papacad					
Appr.	2016-08-23	papacad					
papacad		www.papacad.com		Scale		Format	Sheet
3D & 2D CAD PROJECTS				2 : 1		A3	1 / 1
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Ra12.5 (✓)



Comments:

1. Blunt sharp edges .
2. Requirements for welding according to ISO 3834-3:2005.
3. Dimensions non-tolerated for machined parts accordance with DIN EN 22768: 1999 Class tolerance m.
4. Dimensions tolerated for welded structures perform under EN ISO 13920 in tolerance class.
5. All dimensions shown without allowances for machining.
6. The roughness of the holes Ra6.3 – unless indicated otherwise.
7. Clean the surfaces for painting to grade
 - Primer – min. paint coating thickness (microns)
 - Topcoat RAL:
 - The number of layers –
 - Minimum thickness of paint coating for respectively individual layers (um) –

1	1	Hex socket head M16x45	EN ISO 4062	0	Steel, Galvanized	0.08	
Item	Qty.	Name of part	Drawing number, standard	Rev.	Material	Weight 1pcs. kg	Comments
Investor:							
		Weight 1 set	Drawing name				
		0,1 kg	Sling lift 30kg Hex socket head M16x45				
Engin.	2016-08-23	papacad	Drawing number				Revision
Draw.	2016-08-23	papacad					
Check.	2016-08-23	papacad					
Ver.	2016-08-23	papacad					
Appr.	2016-08-23	papacad					
			SL30 01.03.01				0
papacad		www.papacad.com		Scale		Format	Sheet
3D & 2D CAD PROJECTS free & purchase				2 : 1		A3	1 / 1