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1.	34631400 -	OSIGURAC, f58/56X15 VUCNOG MOT. TRAMVAJA KT4
2.	34631400 -	OSIGURAC, LIMENI NAZUBLJENI ZA ZVEZDU KT4
3.	34631400 -	CEP,KUCISTA REDUKTORA M30X1,5 NEMAGNETNI KT4
4.	34631400 -	PODMETAC,CELA OSOVINE KT4
5.	34631400 -	CAURA, Odstojna OSOVINE REDUKTORA KT4
6.	34631400 -	PRSTEN, ULJNI DO TANJIRASTOG ZUPCANIKA KT4
7.	34631400 -	CAURA, KOLEKTORSKA REDUKTORA KT4
8.	34631400 -	PRSTEN,,ODSTOJNI LEZAJA 6222 REDUKTORA
9.	34631400 -	NOSAC, TANJIRASTOG ZUPCANIKA REDUKTORA KT4
10.	34631400 -	CAURA, ULJNA KRACE STRANE REDUKTORA KT4
11.	34631400 -	CAURA, KRACE STRANE REDUKTORA UZA KT4
12.	34631400 -	MAGNET, NEODIJUM f20xf3X3 NIKL.kl.48M RED.KT4
13.	34631400 -	SABIRNIK OSOVINSKOG UZEMLJENJA
14.	34631400 -	KLINOVI
15.	34631400 -	GLAV INA SA AUROM MLAG TRKA A KONUSNA, STARI TIP KT4
16.	34631400 -	PODMETA I REDUKTORA KT4
17.	34631400 -	PRSTENOVI
18.	34631400 -	SET, KONUSNO-TANJIRASTI ZUP ANIKA REDUKTORA CAF
19.	34631400 -	MANŽETNA, REDUKTORA CAF
20.	34631400 -	PRSTEN, UNUTRAŠNJI LAVIRINTSKI I PODMETA EONI KONUSNOG ZUP ANIKA REDUKTORA CAF
21.	34631400 -	PODMETA I, BO NI REDUKTORA CAF

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1.	34631400 - ..	OSIGURAC, f58/56X15 VUCNOG MOT. TRAMVAJA KT4
2.	34631400 - ..	OSIGURAC, LIMENI NAZUBLJENI ZA ZVEZDU KT4
3.	34631400 - ..	CEP,KUCISTA REDUKTORA M30X1,5 NEMAGNETNI KT4
4.	34631400 - ..	PODMETAC,CELA OSOVINE KT4
5.	34631400 - ..	CAURA, ODSTOJNA OSOVINE REDUKTORA KT4
6.	34631400 - ..	PRSTEN, ULJNI DO TANJIRASTOG ZUPCANIKA KT4
7.	34631400 - ..	CAURA, KOLEKTORSKA REDUKTORA KT4
8.	34631400 - ..	PRSTEN,,ODSTOJNI LEZAJA 6222 REDUKTORA
9.	34631400 - ..	NOSAC, TANJIRASTOG ZUPCANIKA REDUKTORA KT4
10.	34631400 - ..	CAURA, ULJNA KRACE STRANE REDUKTORA KT4
11.	34631400 - ..	CAURA, KRACE STRANE REDUKTORA UZA KT4
12.	34631400 - ..	MAGNET, NEODIJUM f20xf3x3 NIKL.KI.48M RED.KT4
13.	34631400 - ..	SABIRNIK OSOVINSKOG UZEMLJENJA
14.	34631400 - ..	KLINOVI
15.	34631400 - ..	GLAV INA SA AUROM MLAOG TRKA A KONUSNA, STARI TIP KT4
16.	34631400 - ..	PODMETA I REDUKTORA KT4
17.	34631400 - ..	PRSTENOV I
18.	34631400 - ..	SET, KONUSNO-TANJIRASTI ZUP ANIKA REDUKTORA CAF
19.	34631400 - ..	MANŽETNA, REDUKTORA CAF
20.	34631400 - ..	PRSTEN, UNUTRAŠNJI LAVIRINTSKI I PODMETA EONI KONUSNOG ZUP ANIKA REDUKTORA CAF
21.	34631400 - ..	PODMETA I, BO NI REDUKTORA CAF

## IV

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1	301103801	OSIGURAC, f58/56X15 VUCNOG MOT. TRAMVAJA KT4	T-01-VN-01-038	kom	100
2	301106201	OSIGURAC, LIMENI NAZUBLJENI ZA ZVEZDU KT4	T-01-DS-09-027	kom	40
3	301113501	CEP,KUCISTA REDUKTORA M30X1,5 NEMAGNETNI KT4	T-01-DS-09-028	kom	50
4	301120801	PODMETAC,CELA OSOVINE KT4	T-01-DS-31-024	kom	10
5	301123201	CAURA, ODSTOJNA OSOVINE REDUKTORA KT4	T-16-DS-09-029	kom	12
6	301125901	PRSTEN, ULJNI DO TANJIRASTOG ZUPCANIKA KT4	T-16-DS-09-023	kom	12
7	301126701	CAURA, KOLEKTORSKA REDUKTORA KT4	T-16-DS-09-030	kom	30
8	301127501	PRSTEN,,ODSTOJNI LEZAJA 6222 REDUKTORA	T-01-DS-09-034	kom	20
9	301156901	NOSAC, TANJIRASTOG ZUPCANIKA REDUKTORA KT4	T-01-DS-09-047	kom	4
10	301165801	CAURA, ULJNA KRACE STRANE REDUKTORA KT4	T-01-DS-09-056	kom	30
11	301187901	CAURA, KRACE STRANE REDUKTORA UZA KT4	T-01-DS-31-029	kom	10
12	301279401	MAGNET, NEODIJUM f20xf3x3 NIKL.kl.48M RED.KT4		kom	100

## 13) SABIRNIK OSOVINSKOG UZEMLJENJA

1	301017101	ZAVRTANJ, KUCISTA OSOVINSKOG UZEMLJENJA KT4	-16-DS-09-012	kom	50
2	301018001	OSOVINICA, OSOVINSKOG UZEMLJENJA NA TOCKU KT4	T-01-DS-31-014	kom	200

## 14) KLINOVI

1	301117801	KLIN, A-12h9X8X63 MALOG TRKACA KT4	T-01-DS-09-053	kom	40
2	301137201	KLIN, A-10h9X8X63 VELIKOG TRKACA I GLAVCINE KT4	T-01-DS-36-002	kom	35

## 15) GLAV INA SA AUROM MLAOG TRKA A KONUSNA, STARI TIP KT4

1	301138001	GLAVCINA, MALOG TRKACA KONUSNA STARI TIP KT4	T-01-DS-09-000/2	kom	12
2	301143701	CAURA, GLAVCINE REDUKTORA KT4	T-01-DS-09-010	kom	12

## 16) PODMETA I REDUKTORA KT4

1	301262001	PODMETAC, Ø199/181.5X0.3 ZA BOCNO PODES. ZAZ.	T-16-DS-09-013	kom	100
2	301272701	PODMETAC, Ø199/181.5X0.15 ZA BOCNO PODES. ZAZ	T-16-DS-09-013	kom	50

## 17) PRSTENOV I

1	301277801	PRSTEN, Ø110X3 60FPM REDUKTORA KT4		kom	200
2	301278601	PRSTEN, Ø49.2X5.7 60FPM 10.1 REDUKTORA KT4	PPT 7530715	kom	240
3	301280801	PRSTEN, Ø49.2X6.5 60FPM REDUKTORA KT4		kom	100

## 18) SET, KONUSNO-TANJIRASTI ZUP ANIKA REDUKTORA CAF

1	803009001	SET, KONUSNO-TANJIRASTI ZUPCANIKA DESNOG REDUKTORA CAF	CAF X.44.01630.01, X.44.01640.01, X.44.01640.02	kom	2
2	803033201	SET, KONUSNO-TANJIRASTI ZUPCANIKA LEVOG REDUKTORA CAF	CAF X.44.01906.01, X.44.01902.01, X.44.01902.02	kom	2

## 19) MANŽETNA, REDUKTORA CAF

1	803013801	MANŽETNA, MANJA REDUKTORA CAF - VL 170 (165-175) VITON		kom	4
2	803014601	MANŽETNA, VE A REDUKTORA CAF - VL 220 (210-233) VITON		kom	4

## 20) PRSTEN, UNUTRAŠNJI LAVIRINTSKI I PODMETA EONI KONUSNOG ZUP ANIKA REDUKTORA CAF

1	803011101	PRSTEN, 162/203 UNUTRASNJI LAVIRINTSKI RED. CAF MANJI	T-02-DS-09-004	kom	4
2	803010301	PRSTEN, 231/290 UNUTRASNJI LAVIRINTSKI REDUKTORA CAF VE I	T-02-DS-09-005	kom	4
3	803012001	PODMETAC, 175/208 CEONI KON. ZUPCANIKA REDUKTORA CAF	T-02-DS-09-003	kom	4

## 21) PODMETA I, BO NI REDUKTORA CAF

1	803015401	PODMETAC, Ø289,6/272x5 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	1
2	803016201	PODMETAC, Ø289,6/272x2 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	2
3	803017001	PODMETAC, Ø289,6/272x1 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	2
4	803018901	PODMETAC, Ø289,6/272x0,5 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	2
5	803020001	PODMETAC, Ø289,6/272x0,3 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	5
6	803021901	PODMETAC, Ø289,6/272x0,25 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	5
7	803022701	PODMETAC, Ø289,6/272x0,2 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	5
8	803024301	PODMETAC, Ø202,8/193x5 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	1
9	803025101	PODMETAC, Ø202,8/193x2 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	2
10	803026001	PODMETAC, Ø202,8/193x1 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	2
11	803027801	PODMETAC, Ø202,8/193x0,5 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	2
12	803029401	PODMETAC, Ø202,8/193x0,3 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	5
13	803030801	PODMETAC, Ø202,8/193x0,25 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	5
14	803031601	PODMETAC, Ø202,8/193x0,2 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	5

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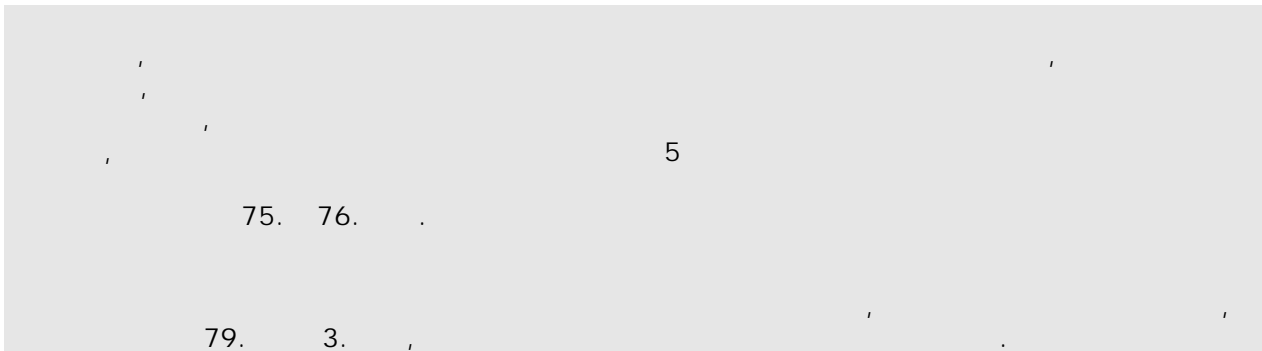
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1	301103801	OSIGURAC, f58/56X15 VUCNOG MOT. TRAMVAJA KT4	T-01-VN-01-038	kom	100				
2	301106201	OSIGURAC, LIMENI NAZUBLJENI ZA ZVEZDU KT4	T-01-DS-09-027	kom	40				
3	301113501	CEP,KUCISTA REDUKTORA M30X1,5 NEMAGNETNI KT4	T-01-DS-09-028	kom	50				
4	301120801	PODMETAC,CE LA OSOVINE KT4	T-01-DS-31-024	kom	10				
5	301123201	CAURA, ODSTOJNA OSOVINE REDUKTORA KT4	T-16-DS-09-029	kom	12				
6	301125901	PRSTEN, ULJNI DO TANJIRASTOG ZUPCANIKA KT4	T-16-DS-09-023	kom	12				
7	301126701	CAURA, KOLEKTORSKA REDUKTORA KT4	T-16-DS-09-030	kom	30				
8	301127501	PRSTEN,,ODST OJNI LEZAJA 6222 REDUKTORA	T-01-DS-09-034	kom	20				
9	301156901	NOSAC, TANJIRASTOG ZUPCANIKA REDUKTORA KT4	T-01-DS-09-047	kom	4				
10	301165801	CAURA, ULJNA KRACE STRANE REDUKTORA KT4	T-01-DS-09-056	kom	30				
11	301187901	CAURA, KRACE STRANE REDUKTORA UZA KT4	T-01-DS-31-029	kom	10				
12	301279401	MAGNET, NEODIJUM f20XF3X3 NIKL.kl.48M RED.KT4		kom	100				

## 13) SABIRNIK OSOVINSKOG UZEMLJENJA

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1	301017101	ZAVRTANJ, KUCISTA OSOVINSKOG UZEMLJENJA KT4	-16-DS-09-012	kom	50			
2	301018001	OSOVINICA, OSOVINSKOG UZEMLJENJA NA TOCKU KT4	T-01-DS-31-014	kom	200			
					13	-		

## 14) KLINOVI

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1	301117801	KLIN, A-12h9X8X63 MALOG TRKACA KT4	T-01-DS-09-053	kom	40			
2	301137201	KLIN, A-10h9X8X63 VELIKOG TRKACA I GLAVCINE KT4	T-01-DS-36-002	kom	35			
					14	-		

## 15) GLAVINA SA AUROM MALOG TRKACA KONUSNA, STARI TIP KT4

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1	301138001	GLAVCINA, MALOG TRKACA KONUSNA STARI TIP KT4	T-01-DS-09-000/2	kom	12			
2	301143701	CAURA, GLAVCINE REDUKTORA KT4	T-01-DS-09-010	kom	12			
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## 16) PODMETA I REDUKTORA KT4

						/		
1	301262001	PODMETAC, Ø199/181.5X0.3 ZA BOCNO PODES. ZAZ.	T-16-DS-09-013	kom	100			
2	301272701	PODMETAC, Ø199/181.5X0.15 ZA BOCNO PODES. ZAZ.	T-16-DS-09-013	kom	50			
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## 17) PRSTENOVİ

						/		
1	301277801	PRSTEN, Ø110X3 60FPM REDUKTORA KT4		kom	200			
2	301278601	PRSTEN, Ø49.2X5.7 60FPM 10.1 REDUKTORA KT4	PPT 7530715	kom	240			
3	301280801	PRSTEN, Ø49.2X6.5 60FPM REDUKTORA KT4		kom	100			
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## 18) SET, KONUSNO-TANJIRASTI ZUP ANIKA REDUKTORA CAF

						/		
1	803009001	SET, KONUSNO- TANJIRASTI ZUPCANIKA DESNOG REDUKTORA CAF	CAF X.44.01630.01, X.44.01640.01, X.44.01640.02	kom	2			
2	803033201	SET, KONUSNO- TANJIRASTI ZUPCANIKA LEVOG REDUKTORA CAF	CAF X.44.01906.01, X.44.01902.01, X.44.01902.02	kom	2			
18						-		

## 19) MANŽETNA, REDUKTORA CAF

						/		
1	803013801	MANŽETNA, MANJA REDUKTORA CAF - VL 170 (165-175) VITON		kom	4			
2	803014601	MANŽETNA, VE A REDUKTORA CAF - VL 220 (210-233) VITON		kom	4			
19						-		

## 20) PRSTEN, UNUTRASJNI LAVIRINTSKI I PODMETA EONI KONUSNOG ZUP ANIKA REDUKTORA CAF

1	803011101	PRSTEN, 162/203 UNUTRASJNI LAVIRINTSKI RED. CAF MANJI	T-02-DS-09-004	kom	4				
2	803010301	PRSTEN, 231/290 UNUTRASJNI LAVIRINTSKI REDUKTORA CAF VE I	T-02-DS-09-005	kom	4				
3	803012001	PODMETAC, 175/208 CEONI KON. ZUPCANIKA REDUKTORA CAF	T-02-DS-09-003	kom	4				
					20	-			

## 21) PODMETA I, BO NI REDUKTORA CAF

1	803015401	PODMETAC, Ø289,6/272x5 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	1				
2	803016201	PODMETAC, Ø289,6/272x2 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	2				
3	803017001	PODMETAC, Ø289,6/272x1 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	2				
4	803018901	PODMETAC, Ø289,6/272x0,5 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	2				
5	803020001	PODMETAC, Ø289,6/272x0,3 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	5				
6	803021901	PODMETAC, Ø289,6/272x0,25 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	5				
7	803022701	PODMETAC, Ø289,6/272x0,2 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	5				

8	803024301	PODMETAC, Ø202,8/193x5 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	1				
9	803025101	PODMETAC, Ø202,8/193x2 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	2				
10	803026001	PODMETAC, Ø202,8/193x1 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	2				
11	803027801	PODMETAC, Ø202,8/193x0,5 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	2				
12	803029401	PODMETAC, Ø202,8/193x0,3 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	5				
13	803030801	PODMETAC, Ø202,8/193x0,25 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	5				
14	803031601	PODMETAC, Ø202,8/193x0,2 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	5				
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## 17 - PRSTENOVI

- 1, FPM (VITON), 60 shora,  
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- 2, FPM (VITON), 60 shora,  
-20°C +200°C ( 230 °C). VITON
- 3, FPM (VITON), 60 shora,  
-20°C +200°C ( 230 °C). VITON

18 - SET, KONUSNO-TANJIRASTI ZUPCANIK REDUKTORA CAF  
CAF

X.44.01630.01, X.44.01640.01, X.44.01640.02),  
( 2 - : X.44.01906.01, X.44.01902.01, X.44.01902.02).

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XIV-41/\_\_\_ \_\_\_.2017. :

1	301103801	OSIGURAC, f58/56X15 VUCNOG MOT. TRAMVAJA KT4	T-01-VN-01-038	kom	100				
2	301106201	OSIGURAC, LIMENI NAZUBLJENI ZA ZVEZDU KT4	T-01-DS-09-027	kom	40				
3	301113501	CEP,KUCISTA REDUKTORA M30X1,5 NEMAGNETNI KT4	T-01-DS-09-028	kom	50				



4	301120801	PODMETAC, CE LA OSOVINE KT4	T-01-DS-31-024	kom	10				
5	301123201	CAURA, ODSTOJNA OSOVINE REDUKTORA KT4	T-16-DS-09-029	kom	12				
6	301125901	PRSTEN, ULJNI DO TANJIRASTOG ZUPCANIKA KT4	T-16-DS-09-023	kom	12				
7	301126701	CAURA, KOLEKTORSKA REDUKTORA KT4	T-16-DS-09-030	kom	30				
8	301127501	PRSTEN, ODS TANJIRASTOG ZUPCANIKA REDUKTORA KT4	T-01-DS-09-034	kom	20				
9	301156901	NOSAC, TANJIRASTOG ZUPCANIKA REDUKTORA KT4	T-01-DS-09-047	kom	4				
10	301165801	CAURA, ULJNA KRACE STRANE REDUKTORA KT4	T-01-DS-09-056	kom	30				
11	301187901	CAURA, KRACE STRANE REDUKTORA UZA KT4	T-01-DS-31-029	kom	10				
12	301279401	MAGNET, NEODIJUM f20XF3X3 NIKL.kl.48M RED.KT4		kom	100				

## 13) SABIRNIK OSOVINSKOG UZEMLJENJA

							/		
1	301017101	ZAVRTANJ, KUCISTA OSOVINSKOG UZEMLJENJA KT4	-16-DS-09-012	kom	50				
2	301018001	OSOVINICA, OSOVINSKOG UZEMLJENJA NA TOCKU KT4	T-01-DS-31-014	kom	200				
13						-			

## 14) KLINOVI

							/		
1	301117801	KLIN, A-12h9X8X63 MALOG TRKACA KT4	T-01-DS-09-053	kom	40				
2	301137201	KLIN, A-10h9X8X63 VELIKOG TRKACA I GLAVCINE KT4	T-01-DS-36-002	kom	35				
14						-			

## 15) GLAV INA SA AUROM MLAOG TRKA A KONUSNA, STARI TIP KT4

							/		
1	301138001	GLAVCINA, MALOG TRKACA KONUSNA STARI TIP KT4	T-01-DS-09-000/2	kom	12				
2	301143701	CAURA, GLAVCINE REDUKTORA KT4	T-01-DS-09-010	kom	12				
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## 16) PODMETA I REDUKTORA KT4

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1	301262001	PODMETAC, Ø199/181.5X0.3 ZA BOCNO PODES. ZAZ.	T-16-DS-09-013	kom	100				
2	301272701	PODMETAC, Ø199/181.5X0.15 ZA BOCNO PODES. ZAZ.	T-16-DS-09-013	kom	50				
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## 17) PRSTENOV I

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1	301277801	PRSTEN, Ø110X3 60FPM REDUKTORA KT4		kom	200				
2	301278601	PRSTEN, Ø49.2X5.7 60FPM 10.1 REDUKTORA KT4	PPT 7530715	kom	240				
3	301280801	PRSTEN, Ø49.2X6.5 60FPM REDUKTORA KT4		kom	100				
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## 18) SET, KONUSNO-TANJIRASTI ZUP ANIKA REDUKTORA CAF

							/		
1	803009001	SET, KONUSNO-TANJIRASTI ZUPCANIKA DESNOG REDUKTORA CAF	CAF X.44.01630.01, X.44.01640.01, X.44.01640.02	kom	2				
2	803033201	SET, KONUSNO-TANJIRASTI ZUPCANIKA LEVOG REDUKTORA CAF	CAF X.44.01906.01, X.44.01902.01, X.44.01902.02	kom	2				
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## 19) MANŽETNA, REDUKTORA CAF

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1	803013801	MANŽETNA, MANJA REDUKTORA CAF - VL 170 (165-175) VITON		kom	4				
2	803014601	MANŽETNA, VE A REDUKTORA CAF - VL 220 (210-233) VITON		kom	4				
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20) PRSTEN, UNUTRASNJI LAVIRINTSKI I PODMETA EONI KONUSNOG ZUP ANIKA  
REDUKTORA CAF

1	803011101	PRSTEN, 162/203 UNUTRASNJI LAVIRINTSKI RED. CAF MANJI	T-02-DS-09-004	kom	4				
2	803010301	PRSTEN, 231/290 UNUTRASNJI LAVIRINTSKI REDUKTORA CAF VE I	T-02-DS-09-005	kom	4				
3	803012001	PODMETAC, 175/208 EONI KON. ZUPCANIKA REDUKTORA CAF	T-02-DS-09-003	kom	4				
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21) PODMETA I, BO NI REDUKTORA CAF

1	803015401	PODMETAC, Ø289,6/272x5 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	1				
2	803016201	PODMETAC, Ø289,6/272x2 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	2				
3	803017001	PODMETAC, Ø289,6/272x1 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	2				
4	803018901	PODMETAC, Ø289,6/272x0,5 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	2				
5	803020001	PODMETAC, Ø289,6/272x0,3 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	5				
6	803021901	PODMETAC, Ø289,6/272x0,25 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	5				
7	803022701	PODMETAC, Ø289,6/272x0,2 VECI BOCNI REDUKTORA CAF	T-02-DS-09-001	kom	5				
8	803024301	PODMETAC, Ø202,8/193x5 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	1				
9	803025101	PODMETAC, Ø202,8/193x2 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	2				
10	803026001	PODMETAC, Ø202,8/193x1 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	2				
11	803027801	PODMETAC, Ø202,8/193x0,5 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	2				
12	803029401	PODMETAC, Ø202,8/193x0,3 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	5				

13	803030801	PODMETAC, Ø202,8/193x0,25 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	5				
14	803031601	PODMETAC, Ø202,8/193x0,2 MANJI BOCNI REDUKTORA CAF	T-02-DS-09-002	kom	5				
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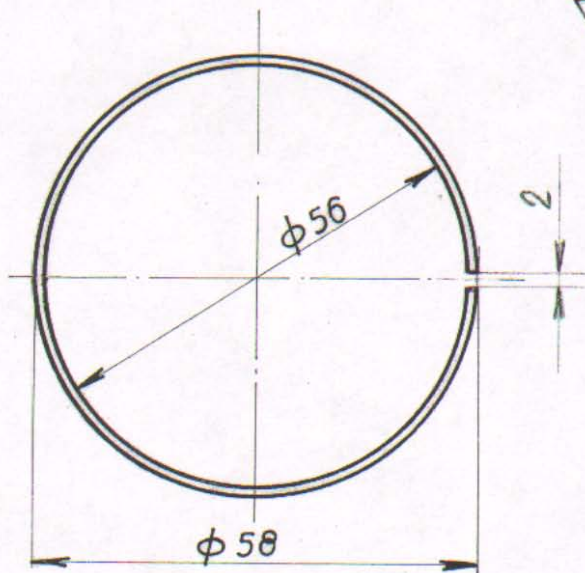
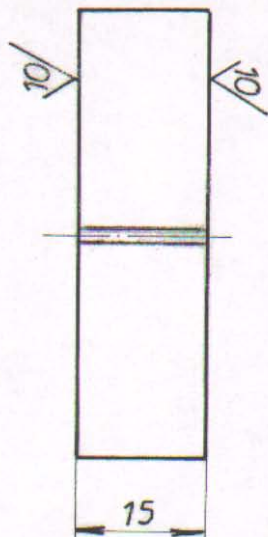
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Ако је означен степен тачности за све слободне мере остварене образцом скицањем стругоутине примењивати изуостај степен тачности (ЈС М. А. 410)

1 до 6	6 до 30	30 до 120	120 до 315	315 до 1000	1000 до 2000	2000 до 4000	4000 до 6000
± 0,05	± 0,15	± 0,2	± 0,3	± 0,5	± 1,2	± 2	± 3



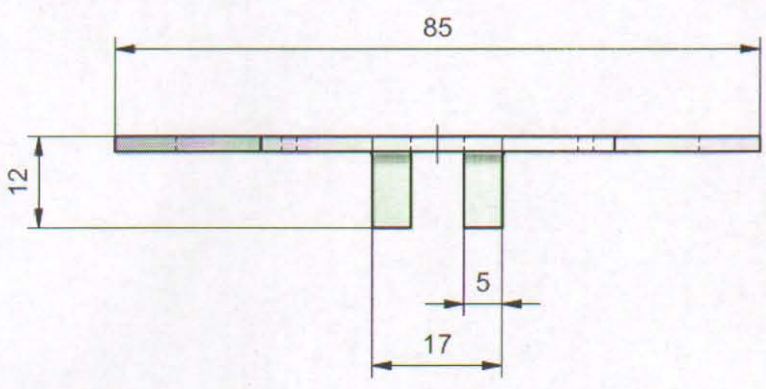
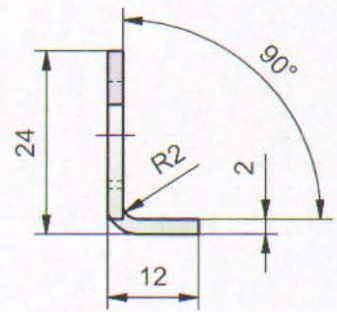
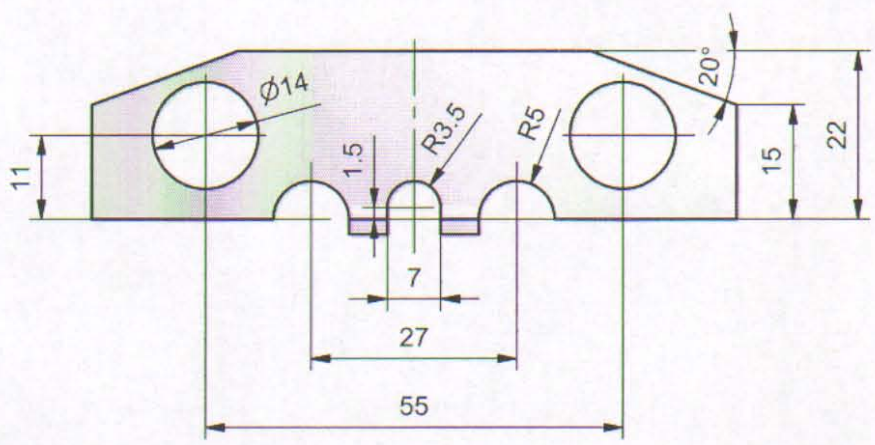
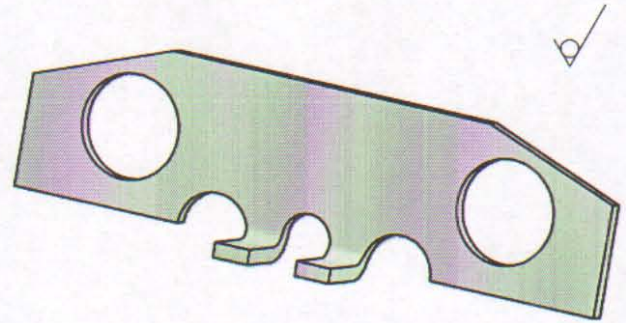
- RAZVIJENA DUŽINA  $L \approx 180 \text{ mm}$

ГСП. 3 011 038

M.G. 01-002-029

01 038		НАЗИВ ДЕТАЉА-СКЛОПА		Стандард	Материјал	Димензије	Ком.	Тежина у кг
Монтаж.	Детаљ.	VUCNI MOTORI OSIGURAC		Č. 0145	#1X17X185	4	0,024	
Беза са		R 1:1		T-01-VN		ГС „БЕОГРАД“		
		φ 58/56 x 15 VUCNOG MOTORA KT4		Снимио-констр.	6.VIII.87	G. ŽIVADINOVIĆ	<i>[Signature]</i>	
				Цртао	-/-	J. VOJVODIC	<i>[Signature]</i>	
				Прегледао		N. RAKOVIC	<i>[Signature]</i>	
				Оверава				

No. Datum Dopis br. Prvobitno Izmena Izmenio Potpis Odobrio Potpis



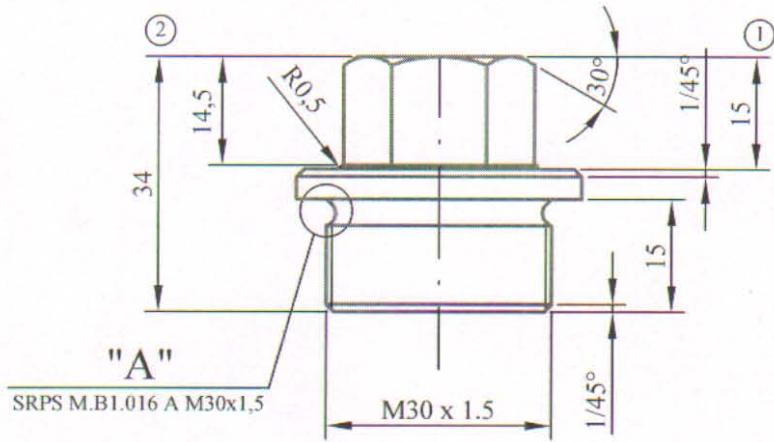
GSP: 3 011 062 01  
K.BR. 05-002-077

09	027		S235JRG2 (Č0361)	#2x85X40	1	
Montaž	Detalj	NAZIV DETALJA - SKLOPA	Standard	Materijal	Dimenzije	Kom. Masa (kg)
Veza sa		OSIGURAČ LIMENI NAZUBLJENI ZA ZVEZDU KT4	T-01-DS		GSP "BEOGRAD"	
R	1:1		Snimio-konst.	23.10.1985.	T. Deurić	
			Crtao	11.05.2016.	M. Pejović spec. st. maš. ing	
			Pregledao	11.05.2016.	A. Matović dipl. maš. ing	
			Overava	11.05.2016.	A. Matović dipl. maš. ing	

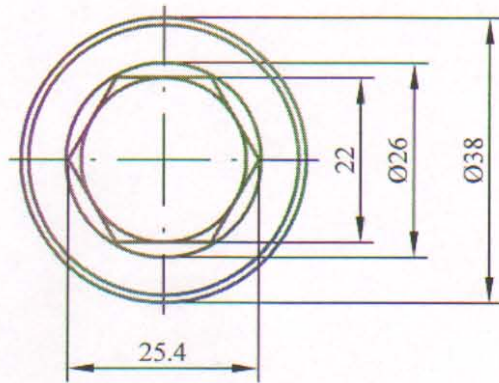
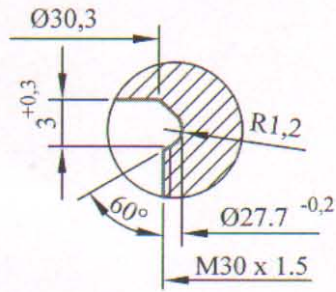


N°	Datum	Dopis br.	Prvobitno	Izmena	Izmenio	Potpis	Odobrio	Potpis
1	02.04.2015.	611	10	15	A. Matović, dipl.inž.maš.	<i>dm</i>	A. Matović, dipl.inž.maš.	<i>dm</i>
2	02.04.2015.	611	29	34	A. Matović, dipl.inž.maš.	<i>dm</i>	A. Matović, dipl.inž.maš.	<i>dm</i>

Crtež je urađen na osnovu donetog uzorka



DETALJ "A":  
SRPS M.B1.016 - A M30x1,5  
( R 2:1 )



NAPOMENA :  
- Nekotiranu oštru ivicu na Ø38 oboriti sa 0.5/45°

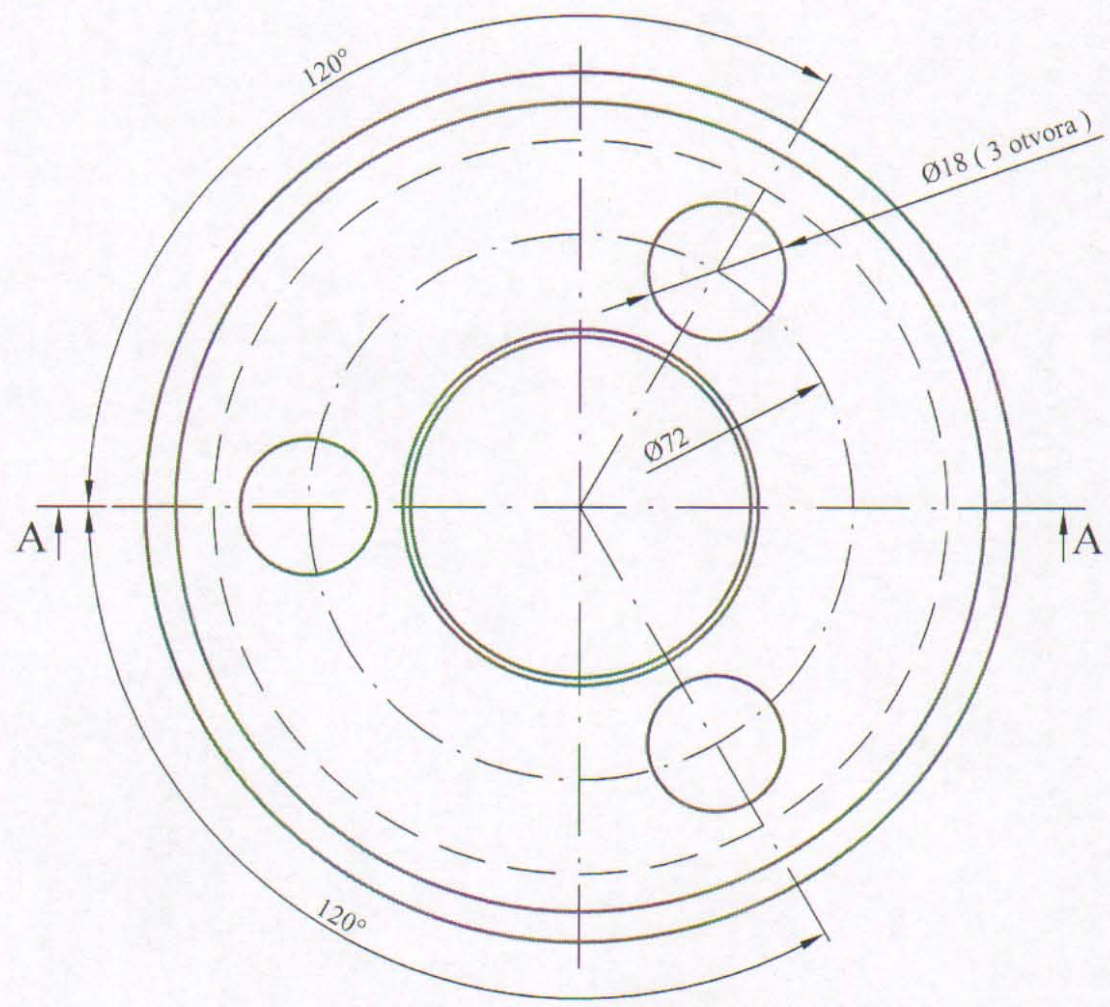
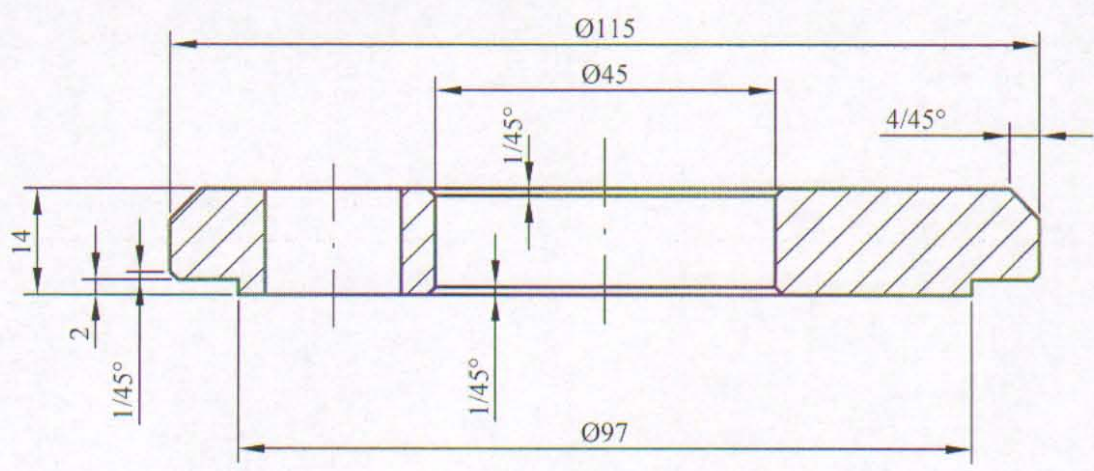
GSP: 301113501  
K.B. 01-002-085

09	028	NAZIV DETALJA-SKLOPA	Crtež / Standard	E295 (Č.0545)	Ø40 x 39	1	
Montaž	Detalj	KUĆIŠTA DIFERENCIJALA		Materijal	Dimenzije	Kom.	Masa (kg)
Veza sa	000/5	<b>ČEP KUĆIŠTA REDUKTORA M30X1,5 NEMAGNETNI KT4</b>	<b>T-01-DS</b>		<b>GSP "BEOGRAD"</b>		
<b>R</b>	<b>1:1</b>		Snimio-konst.		A. Matović dipl.ing.maš.		
			Crtao		A. Matović dipl.ing.maš.		<i>dm</i>
			Pregledao		G. Klisić dipl.ing.maš.		
		Overava		G. Klisić dipl.ing.maš.			



N8

PRESEK A-A :



GSP: 3011208  
KB. 01-002-216

Potpis	
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N°	

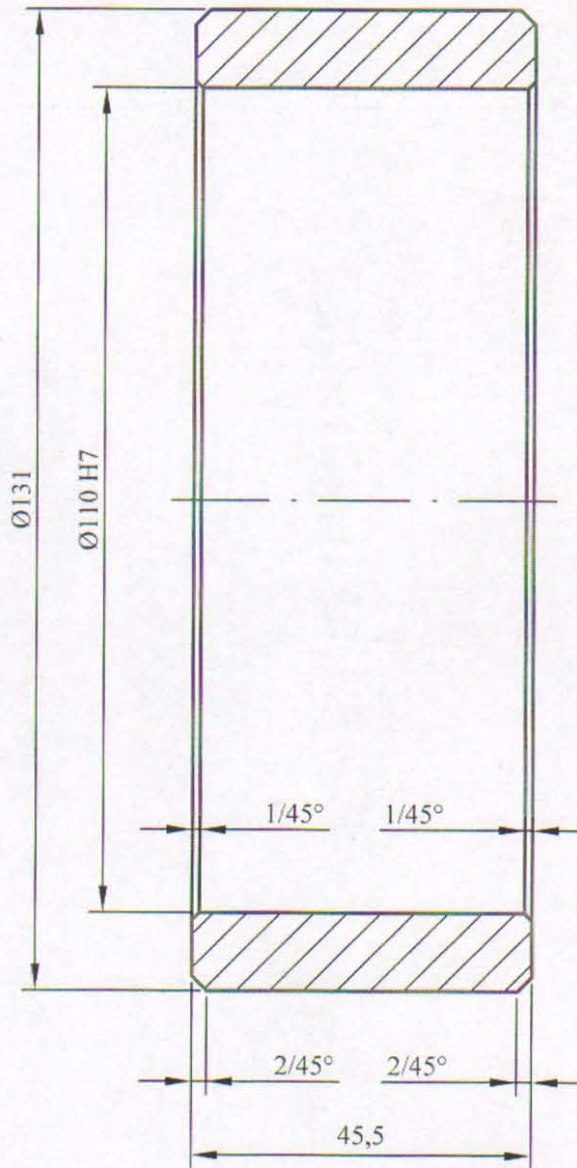
31	024	NAZIV DETALJA-SKLOPA	Standard / crtež	E295 (Č.0545)	Ø120 x 19	Kom.	masa(kg)
Montaž	Detalj	KOLSKI SLOG	T-01-DS	Materijal	Dimenzije		
Veza sa		PODMETAČ Ø115/Ø45x14			GSP "BEOGRAD"		
R	1:1	ČELA OSOVINE REDUKTORA KT4		Snimio-konst. 28.09.1988.	D. Savković dipl.ing.maš.		
				Crtao	A. Matović dipl.ing.maš.		
				Pregledao	A. Matović dipl.ing.maš.		
				Overava	A. Matović dipl.ing.maš.		



N8

Ø110 H7

0
+0.035



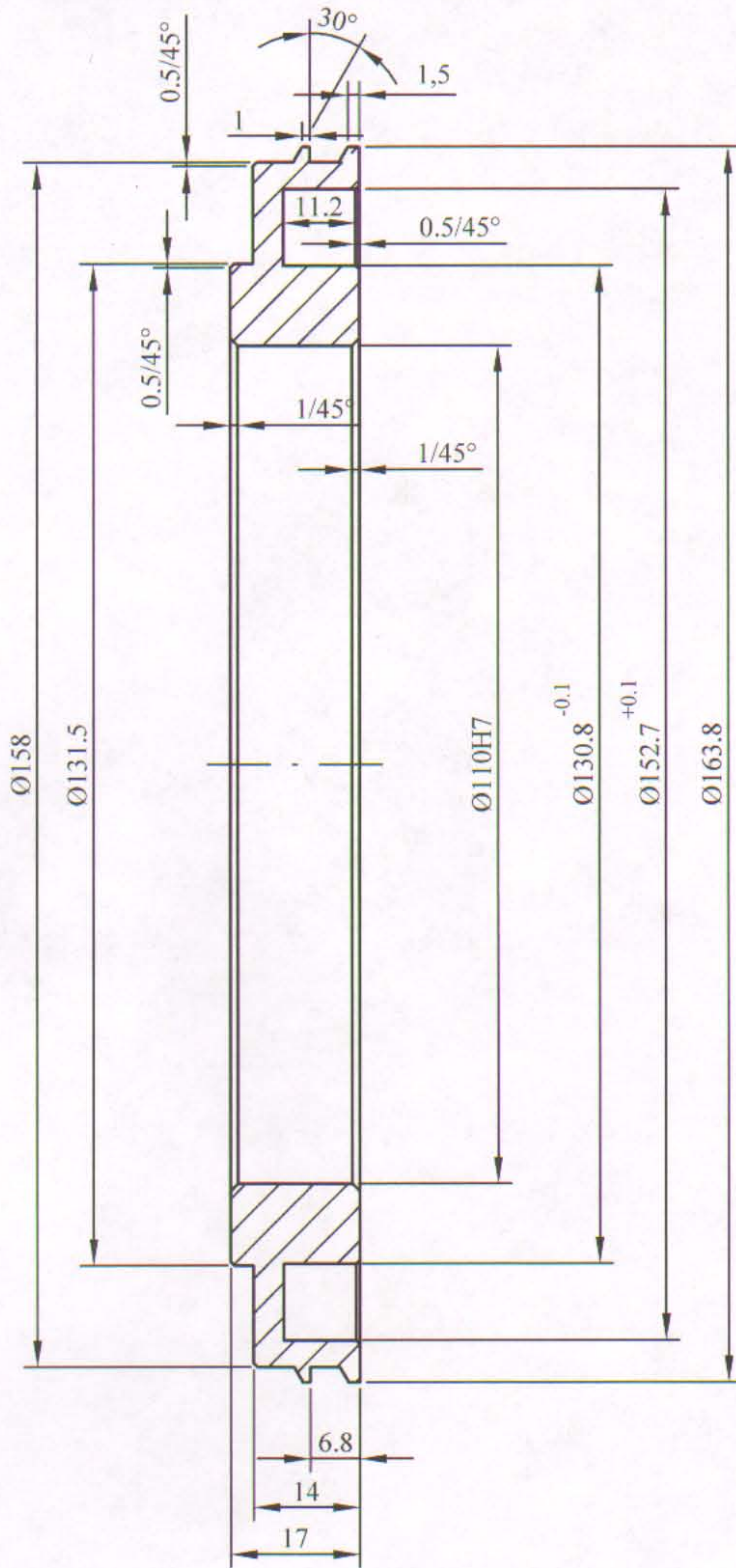
GSP: 3011232  
KB. 01-002-221

Potpis	
Odobrio	
Potpis	
Izmenio	
Izmena	
Prvobitno	
Dopis br.	
Datum	
N°	

09	029	NAZIV DETALJA-SKLOPA	Standard / crtež	E295 (Č.0545)	Ø135 x 50	Kom.	masa(kg)	
Montaž	Detalj	KUČIŠTE DIFERENCIJALA SA MEHANIZMOM I ELEMENTIMA	T-16-DS		GSP "BEOGRAD"			
Veza sa		ODSTOJNA ČAURA OSOVINE REDUKTORA KT4	Snimio-konst.	15.11.1978.	D.Radić			
R	1:1		Crtao			A. Matović dipl.ing.maš.		
			Pregledao	MAJ 2016.		A. Matović dipl.ing.maš.		
			Overava			A. Matović dipl.ing.maš.		

N8

Ø110H7	+0.035
	0.000



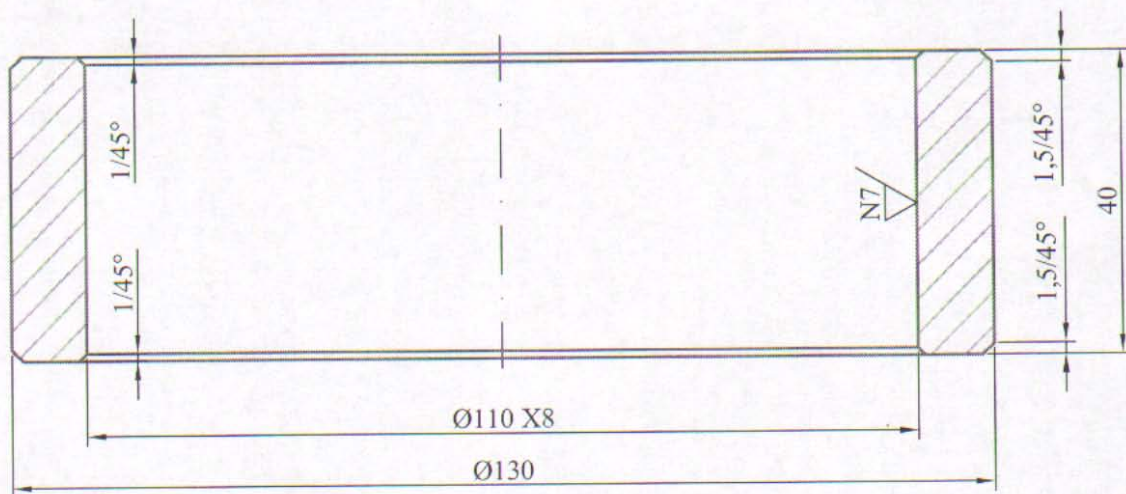
GSP 3011259  
KB. 01-002-223

09	023	NAZIV DETALJA-SKLOPA	Crtež/Standard	S275 (Č.0445)	Ø165x20	1	masa(kg)
Montaž	Detalj	KUĆIŠTA DIFERENCIJALA		Materijal	Dimenzije	Kom.	
Veza sa		<b>ULJNI PRSTEN</b>	<b>T-16-DS</b>		<b>GSP "BEOGRAD"</b>		
R	1:1	DO TANJIRASTOG ZUPČANIKA	Snimio-konstruisao		G.Turkalj dipl.ing.maš.		
		KT4	Crtao	19 maj 1998.	G.Turkalj dipl.ing.maš.		
			Pregledao		N.Raković dipl.ing.maš.		
			Overava		N.Raković dipl.ing.maš.		



Ø 110 X8	-0,210
	-0,264

N9	N7
----	----

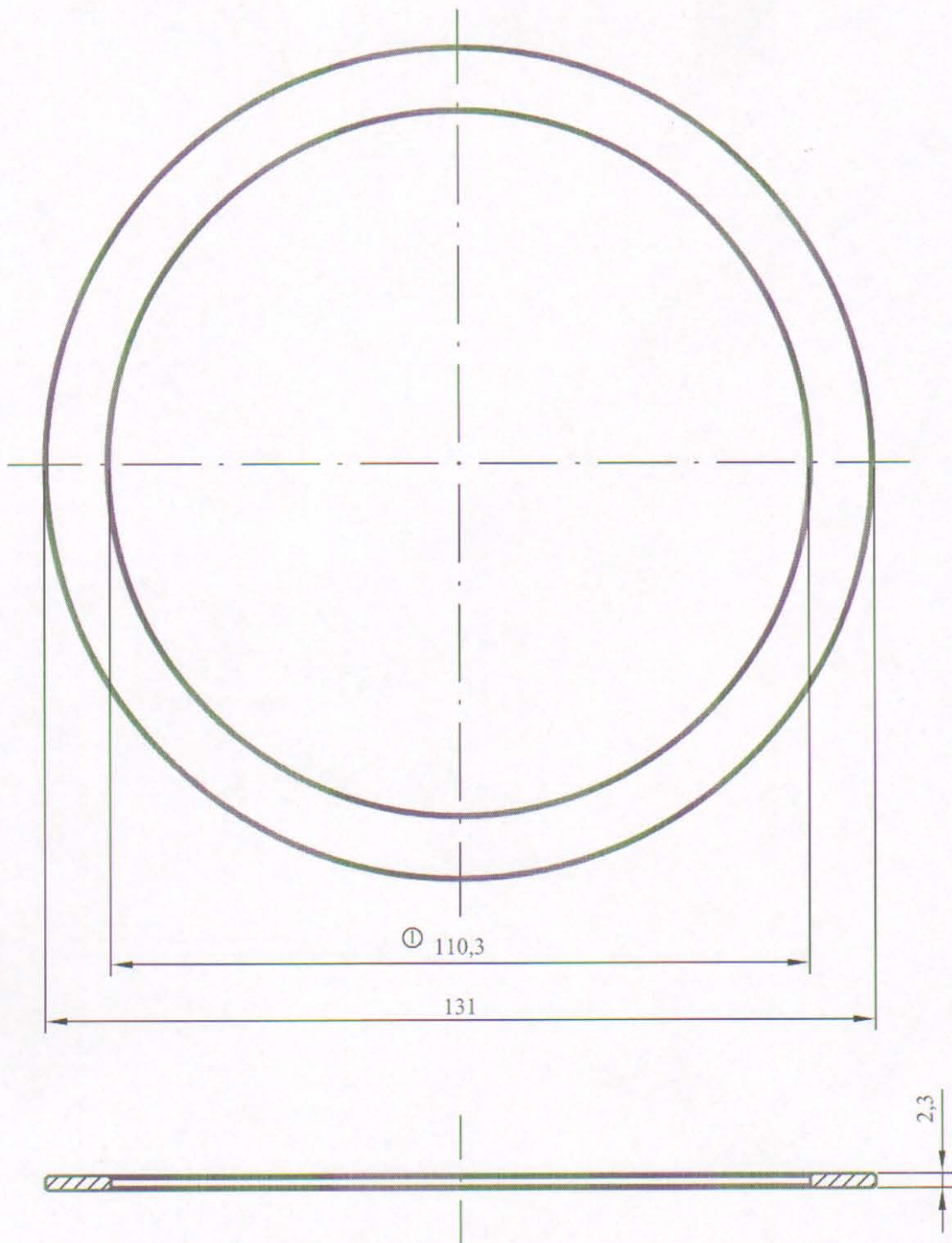


GSP: 3011267

M.G. 01-002-224

09	030			CuSn14	Ø135/Ø105 x 45		
		NAZIV DETALJA - SKLOPA	Standard	Materijal	Dimenzije	Kom.	Težina u kp
Montaž	Detalj	KUČIŠTA DIFERENCIJALA SA MEHANIZMOM I ELEMENTIMA	<b>T-16-DS</b>		<b>GSP "BEOGRAD"</b>		
veza sa							
<b>R</b>	<b>1:1</b>	ČAURA KOLEKTORSKA REDUKTORA KT4	Snimio-konstruisao:	15.11.1978.	Đ. Radić		
			Crtao:	31.07.2014.	A. Matović, dipl. inž. maš.		
			Pregledao:	15.11.1978.	M. Mančić, dipl. inž. maš.		
			Overava:				





NAPOMENA:  
- Sve oštre ivice oboriti sa 0,5/45°

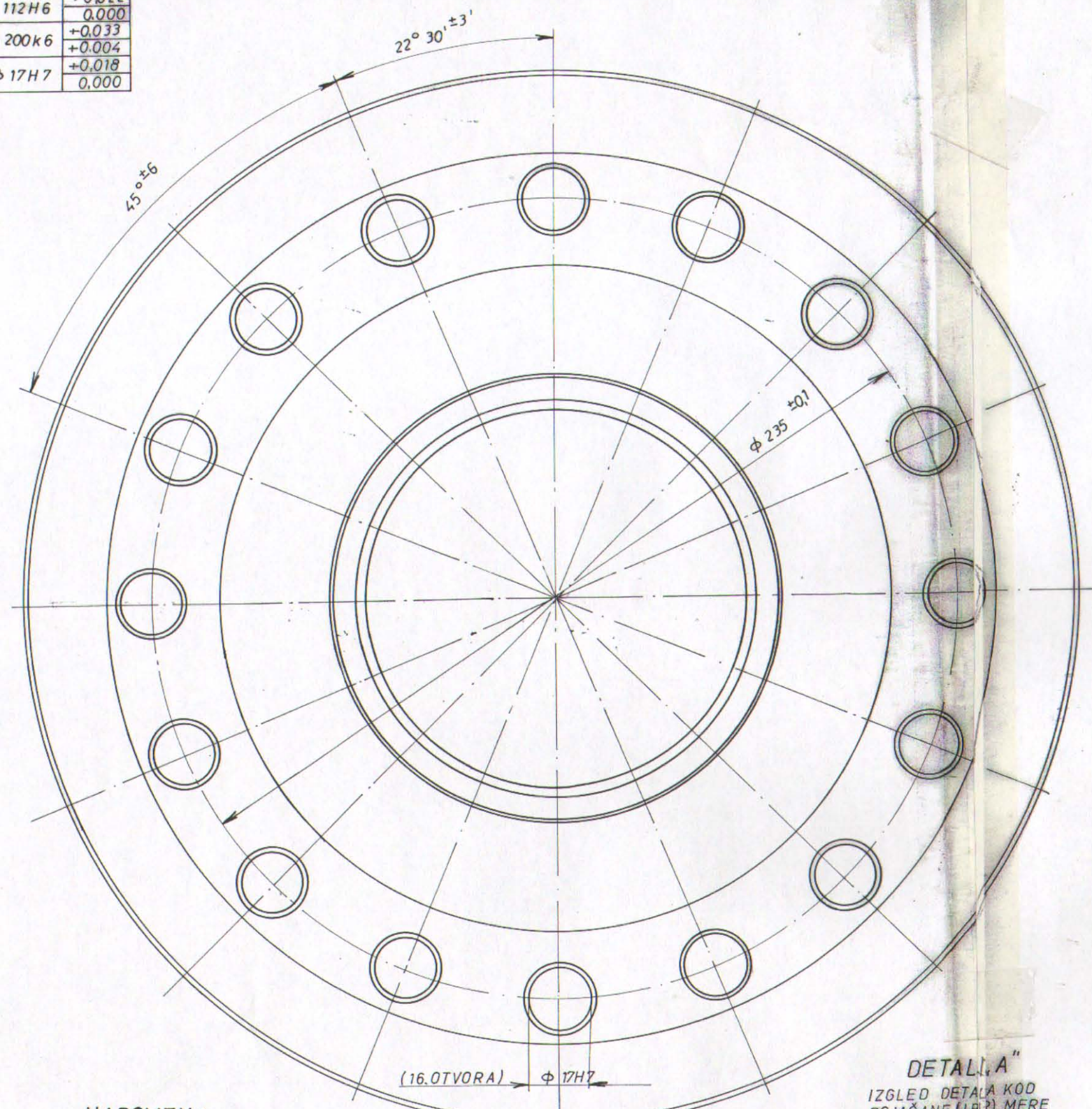
GSP: 3011275  
KAT.BR. 01-002-225

N°	Datum	Dopis br.	Prvobitno	Izmena	Izmenio	Potpis	Odobrio	Potpis
1	13.10.2014.	1761	Ø 110	Ø 110,3	A. Matović, dipl.ing.		A. Matović, dipl.ing.	

09	034	NAZIV DETALJA-SKLOPA	Standard	S355J2G3 (Č.0563)	≠2,5x134x134	Kom.	Težina u kp
Montaž	Detalj	KUĆIŠTA DIFERENCIJALA	T-01-DS		GSP"BEOGRAD"		
Veza sa		ODSTOJNI PRSTEN	Snimio-konst.	24.07.1988.	S. Radosavljević		
R	1:1	LEŽAJA 6222 REDUKTORA KT4	Crtao	16.10.2014.	A. Matović dipl.ing.maš.		
			Pregledao	16.10.2014.	A. Matović dipl.ing.maš.		
			Overava	16.10.2014.	A. Matović dipl.ing.maš.		



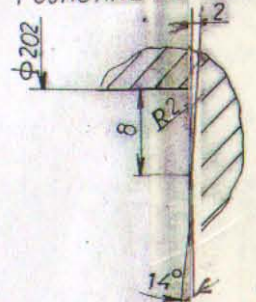
ϕ 112H6	+0,022
	0,000
ϕ 200k6	+0,033
	+0,004
ϕ 17H7	+0,018
	0,000



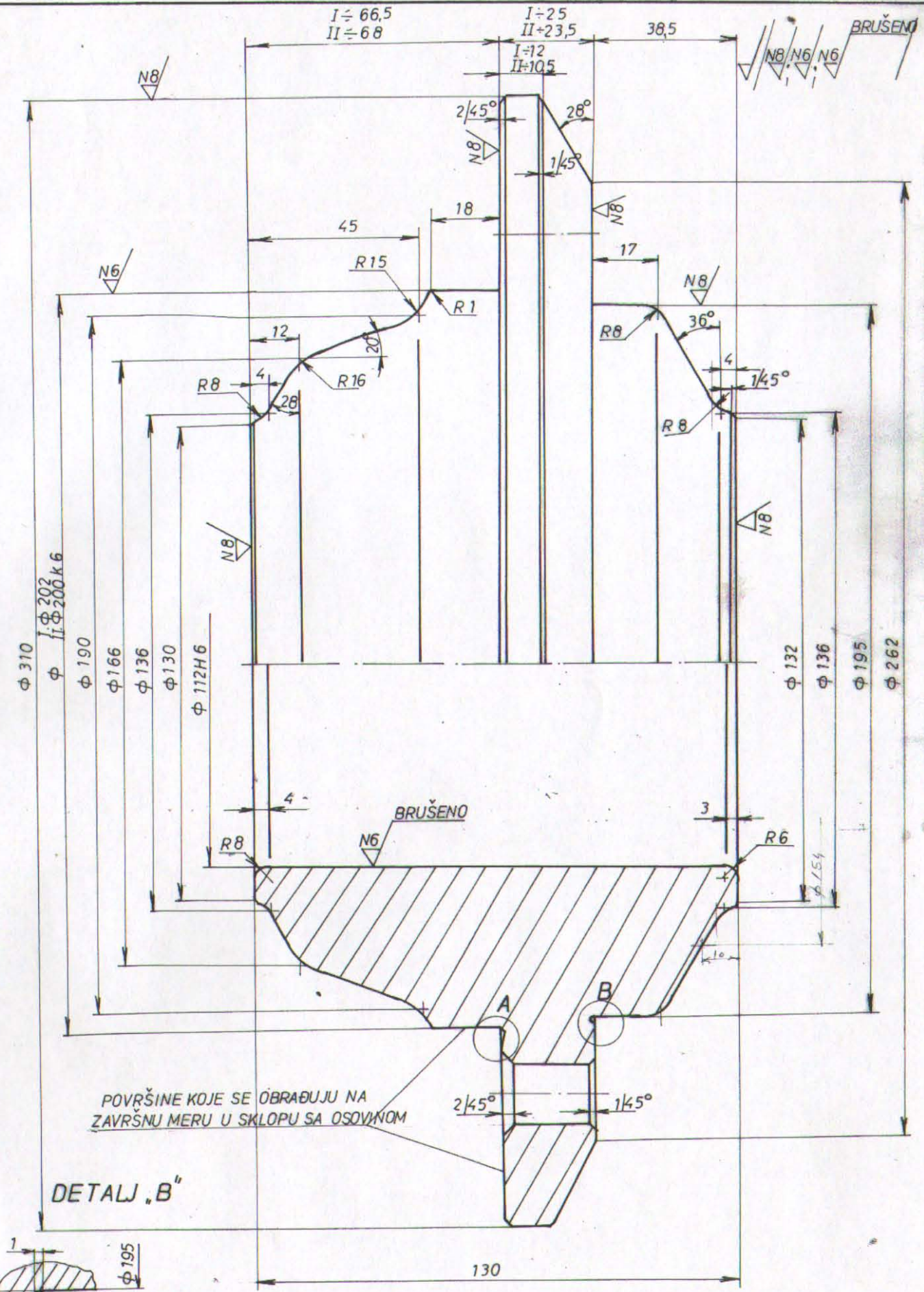
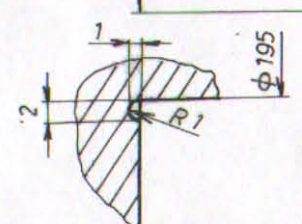
**NAPOMENA:**

MERE POD I SU POJAČANE (IBER) MERE  
MERE POD II SU MERE OSTVARENE POSLE UTISKIVANJA  
GLAVČINE NA OSOVINU I OBRADOM U SKLOPU  
- PREMAZATI ZAŠTITNOM BOJOM SVE OSIM OTVORA ϕ 112H6  
- OTVOR ZAŠTITITI MAZIVOM ZA KONZERVACIJU

DETALJ "A"  
IZGLED DETALJA KOD  
POJAČANE (IBER) MERE



DETALJ "B"



09 047	047	NAZIV DETALJA - SKLOPA	Standards	Material	Dimenzije	Kom.	Težina u kg
Монтаж	Детаљ	КУЦИСТЕ ДИФ. СМЕХ. ТЕЛЕ.	T-01-DS				ГС БЕОГРАД
Беза са		GLAVČINA	Слика-констр.	B. ĐAKULIĆ, maš. inž.			
		TANJIRASTOG ZUPČ.	Цртао	I. VOJVODIĆ			
			Проградио	N. RAKOVIĆ, dipl. maš. inž.			
			Овервао				

Ако није назначен степен тачности, за све слободне мере остварене обрадом скидањем струготице, примењивати изузетан степен тачности (JUS M. Al. 410)

1 до 5	6 до 30	30 до 120	120 до 315	315 до 1000	1000 до 2000	2000 до 4000	4000 до 6000
± 0,05	± 0,15	± 0,2	± 0,3	± 0,5	± 1,2	± 2	± 3

По допису "ЦЕНТРАЛЕ" БР. 241  
ОД 19.03.2011 У РУБРИЦИ МАТЕР.  
УМЕСТО РЕЧИ ОРИГИНАЛ УПИСАТИ  
СЛ. 4732

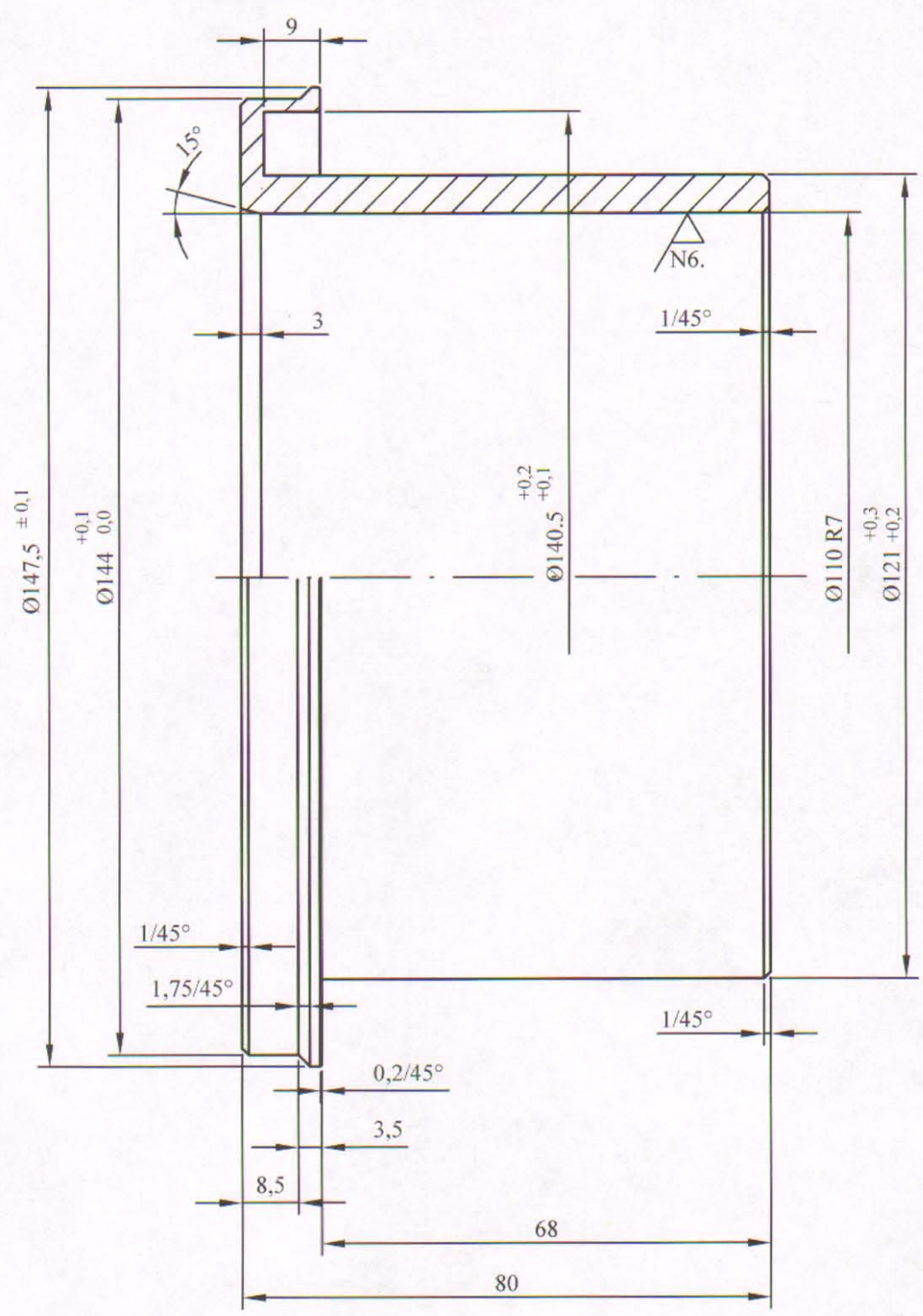
ГСП. 3 011 569 ✓  
КВ. 01.002.075 ✓  
СЛ. 4732



Potpis									
Odobrio									
Potpis									
Izmenio									
Izmena									
Prvobitno									
Dopis br.									
Datum									
N°	-								

Ø110R7  
-0,041  
-0,076

N8 // N6 //



GSP 3011658  
KB. 04-002-032

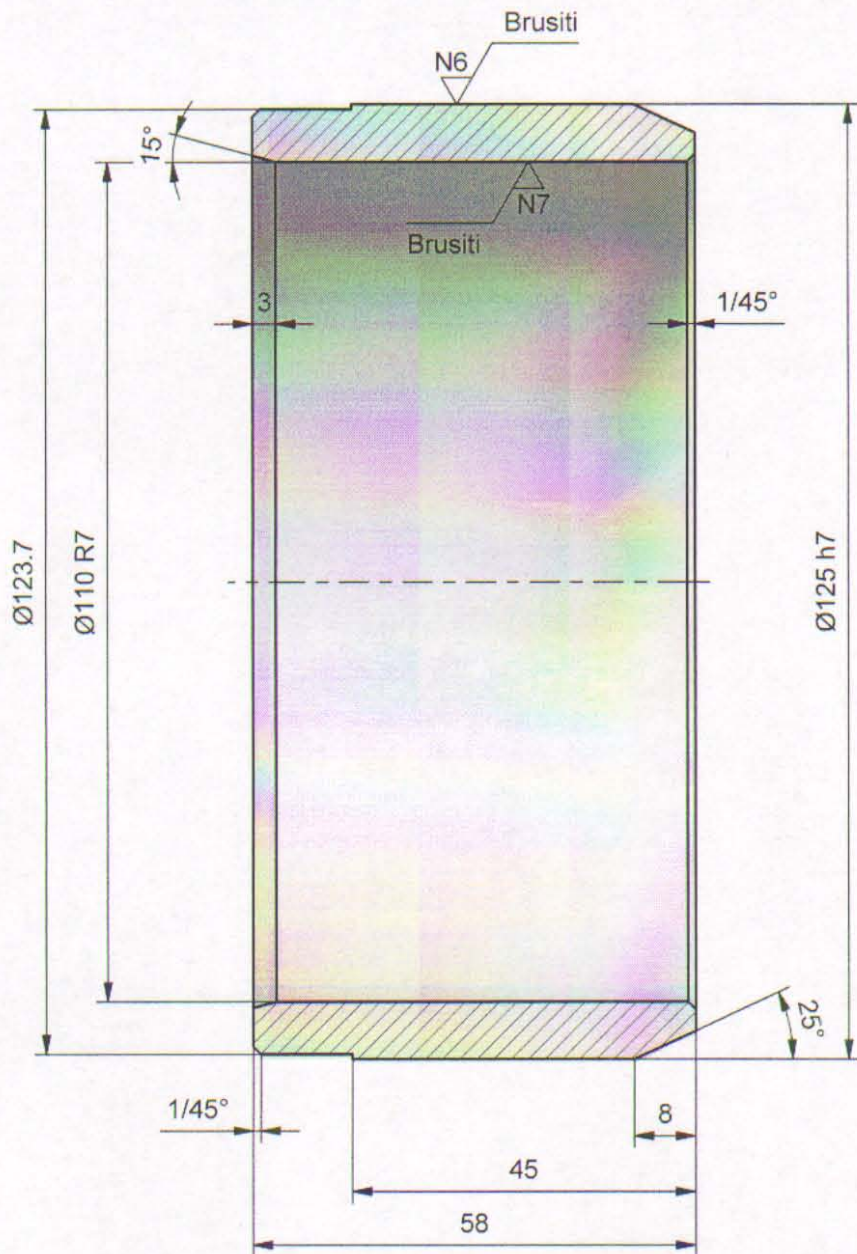
09	056		E295 (Č.0545)	Ø150x88	1	
Montaž	Detalj	NAZIV DETALJA-SKLOPA	Crtež/Standard	Materijal	Dimenzije	Kom. masa(kg)
Veza sa		KUČIŠTA DIFERENCIJALA	T-01-DS		GSP "BEOGRAD"	
R	1:1	ULJNA ČAURA	Snimio-konstruisao		B.Džakulić maš.ing.	
		KRAĆE STRANE REDUKTORA KT4	Crtao	17 sept. 1998.	B.Džakulić maš.ing.	
			Pregledao		B.Gavrilović dipl.ing.maš.	
			Overava		B.Gavrilović dipl.ing.maš.	



Potpis	Ø110 R7	-0,041
		-0,076
	Ø125 h7	0,000
		-0,040

Brusiti      Brusiti  
 N9 / / N7      N6 / /

Odobrio  
 Potpis  
 Izmenio  
 Izmena  
 Prvobitno  
 Dopis br.  
 Datum  
 No.



**TERMIČKA OBRADA:**

- CEMENTIRATI NA DUBINU 1-1.2 mm
- TVRDOĆA 54 ±2 HRc

**NAPOMENA:**

- PRI MONTAŽI KLIZNI PRSTEN ZAGREJATI U ULJNOJ KUPKI PRI TEMP. 150° C

GSP 3 011 879 01  
 K. BR. 23-096-016

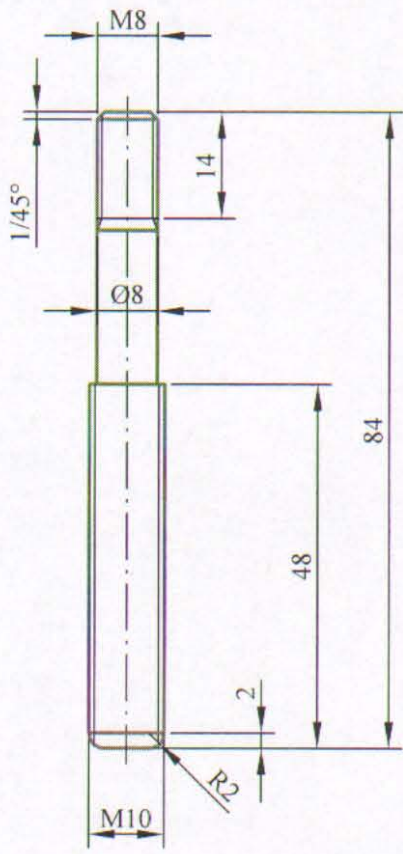
31	029	NAZIV DETALJA - SKLOPA	Standard	18CrNi8 (Č.5421)	Ø130 x 65	2	1,183
Montaž	Detalj	Kolski slog		Materijal	Dimenzije	Kom.	Masa (kg)
Veza sa		ČAURA Ø125/Ø110x58 (UŽA)	<b>T-01-DS</b>		<b>GSP "BEOGRAD"</b>		
<b>R 1:1</b>	<b>KRAĆE STRANE REDUKTORA KT4</b>		Snimio-konst.	13.02.1992.	B.Džakulić, maš.inž.		
			Crtao		N.Cvjetičanin, dipl.maš.inž.		
			Pregledao		A.Matović, dipl.maš.inž.		
			Overava		A.Matović, dipl.maš.inž.		

Maj 2016

*dmma*



N°	Datum	Dopis br.	Prvobitno	Izmena	Izmenio	Potpis	Odobrio	Potpis



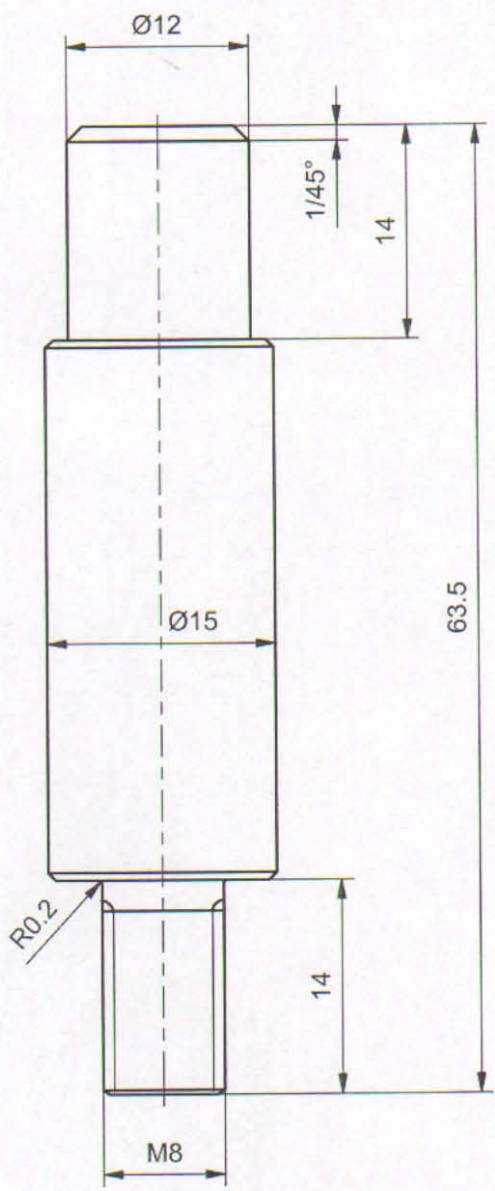
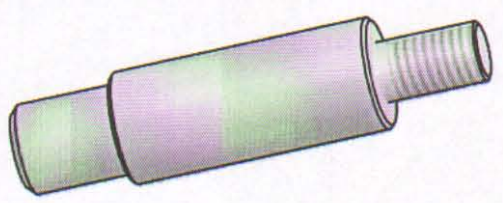
GSP: 3010171  
KB. 01-002-069

09	012	NAZIV DETALJA-SKLOPA	Standard / crtež	Cu58ZnPb Materijal	Ø10 x 89 Dimenzije	Kom.	masa(kg)
Montaž	Detalj	KUĆIŠTE DIFERENCIJALA SA MEHANIZMOM I ELEMENTIMA	T-16-DS		GSP "BEOGRAD"		
Veza sa	R	ZAVRTANJ M10 / M8 x 84 KUĆIŠTA OSOVINSKOG UZEMLJENJA KT4	Snimio-konst.	06.10.1978.	Đ.Radić		
			Crtao		A. Matović dipl.ing.maš.		
			Pregledao		A. Matović dipl.ing.maš.		
			Overava		A. Matović dipl.ing.maš.		

MAL 2016.



No.	Datum	Dopis br.	Prvobitno	Izmena	Izmenio	Potpis	Odobrio	Potpis
1	25.02.2016.	424	Kadminiziranje	Cinkovanje	M. Pejović maš. ing		A. Matović dipl. maš. ing	
2	25.02.2016	424	Materijal Č 0400	S275 (Č 0445)	M. Pejović maš. ing		A. Matović dipl. maš. ing	<i>drum</i>



**NAPOMENA:**

- Oštre ivice na prečniku  $\varnothing 15$  obroniti sa  $0.5/45^\circ$ .
- ① - Površinska zaštita cinkovanje sa žutom pasivizacijom gal Zn 24 ps.

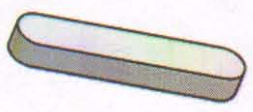
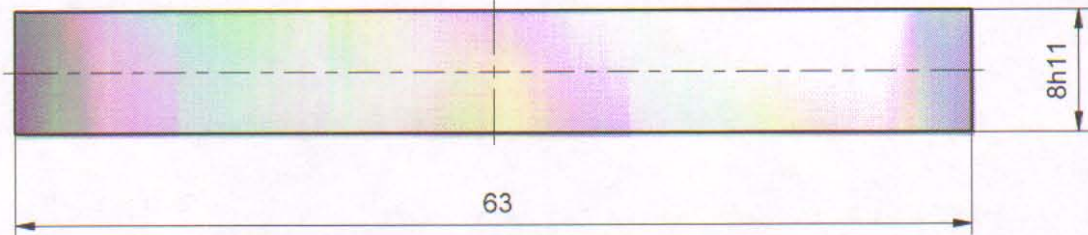
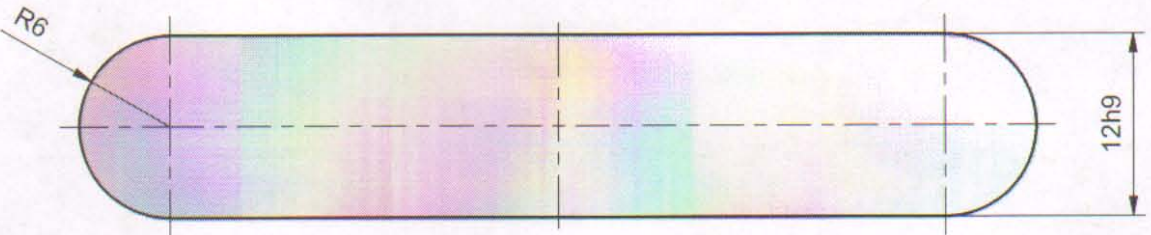
**GSP: 3 010 180 01**  
K.BR. 01-002-004

②

31	014	NAZIV DETALJA - SKLOPA	Standard	S275 (Č 0445)	Ø16X65	1	Masa (kg)
Montaž	Detalj	KOLSKI SLOG	<b>T-01-DS</b>		<b>GSP "BEOGRAD"</b>		
Veza sa	OSOVINICA OSOVINSKOG UZEMLJENJA NA TOČKU KT4		Snimio-konst.	17.05.1984.	D. Joksimović		
<b>R 2:1</b>			Crtao	29.02.2016.	M. Pejović maš. ing		
			Pregledao	29.02.2016.	A. Matović dipl. maš. ing		
			Overava	29.02.2016.	A. Matović dipl. maš. ing		

*drum*



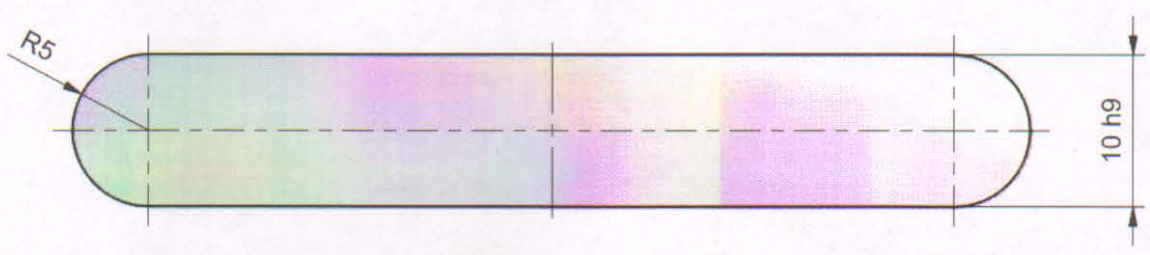
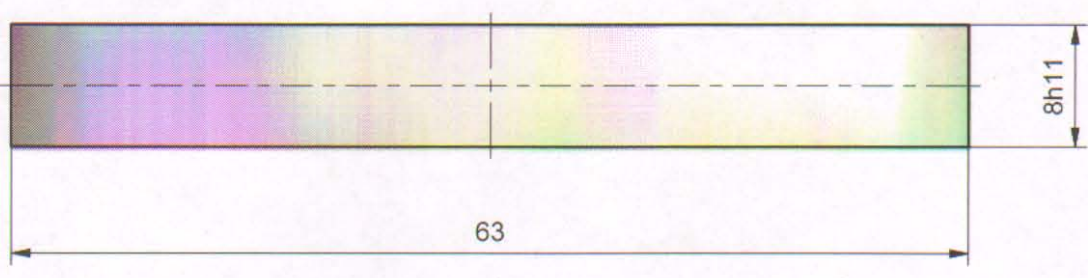
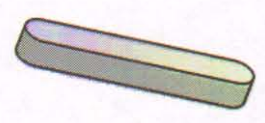
Potpis	12h9	0.000	N7
		-0.043	
	8h11	0.000	
		-0.090	
Odobrio			
Potpis			
Izmenio			
Izmena			
Prvobitno			
Dopis br.			
Datum			
No.			<b>GSP: 3 011 178 01</b> K. BR. 01-002-090

09	053	NAZIV DETALJA - SKLOPA	Standard	E 335 (Č.0645)	#12x8x63	1	
Montaž	Detalj	KUĆIŠTE DIFER. SA MEH.		Materijal	Dimenzije	Kom.	Masa (kg)
Veza sa		<b>KLIN 12h9x8x63</b> <b>MALOG TRKAČA KT4</b>	<b>T-01-DS</b>		<b>GSP "BEOGRAD"</b>		
<b>R</b>	<b>2:1</b>		Snimio-konst.	08.07.1985.	P. Krstić		
			Crtao	06.02.2017.	M. Pejović sp. st. maš. ing		
			Pregledao	06.02.2017.	A. Matović dipl. maš. ing		
		Overava	06.02.2017.	A. Matović dipl. maš. ing			

No. Datum Dopis br. Prvobitno Izmena Izmenio Potpis Odobrio Potpis

10h9	0.000
	-0.036
8h11	0.000
	-0.090

N7

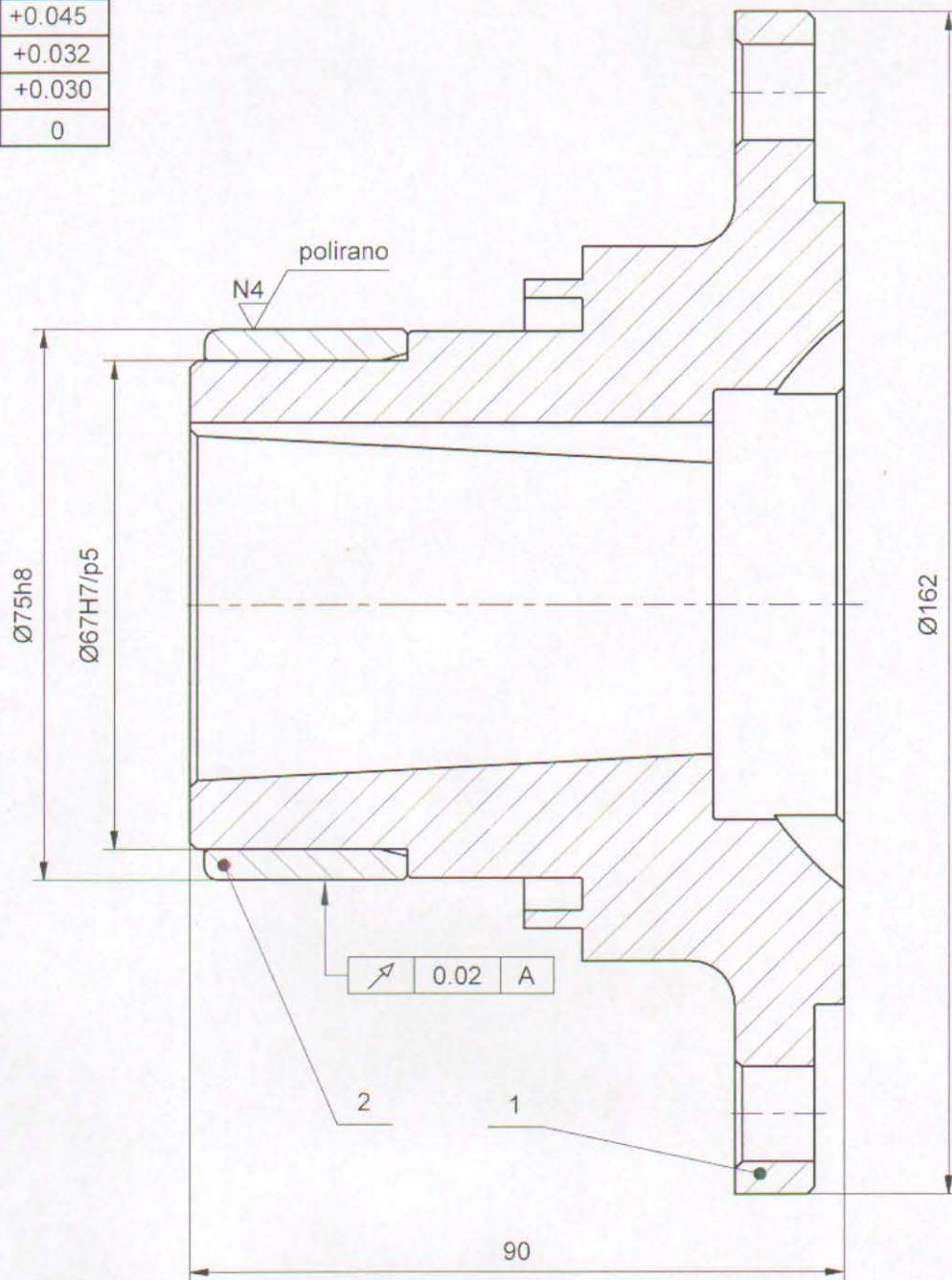


GSP: 3 011 372 01  
K. BR. 01-002-330

36	002		E335 (Č.0645)	#10x8x63	1	
Montaž	Detalj	NAZIV DETALJA - SKLOPA	Standard	Materijal	Dimenzije	Kom. Masa (kg)
Veza sa		REDUKTORI	T-01-DS		GSP "BEOGRAD"	
R 2:1	KLIN 10h9x8x63 VELIKOG TRKAČA I GLAVČINE KT4		Snimio-konst.	08.07.1985.	P. Krstić	
			Crtao	06.02.2016.	M. Pejović sp. str. maš. ing	
			Pregledao	06.02.2016.	A. Matović dipl. maš. ing	
			Overava	06.02.2016.	A. Matović dipl. maš. ing	



Ø75h8	0
	-0.046
Ø67p5	+0.045
	+0.032
Ø67H7	+0.030
	0



### NAPOMENA:

- Čauru (Poz.2) navući na telo glavčine (Poz.1) ,  
pa obrusiti u sklopu na meru Ø75h8
- Polirati čauru (Poz.2)

GSP 3 011 380  
K.B. 01 002 340

2	Čaura glavčine reduktora KT4	T-01-DS-09-010	15Cr3 (Č 4120)	Ø 80x33	1	
1	Telo glavčine	T-01-DS-09-009	42CrMo4 (Č 4732)	Ø 170x95	1	
Poz.	Naziv dela	Broj crteža / standard	Materijal	Dimenzije	Kom.	Masa (kg)
09	000/2	NAZIV DETALJA - SKLOPA	Standard	Materijal	Dimenzije	Kom. Masa (kg)
Montaž	Detalj	Kočišta difrencijala sa meh.	<b>T-01-DS</b>		<b>GSP "BEOGRAD"</b>	
Veza sa			Snimio-konst.	14.06.1983	M.Mančić	
R 1:1	Glavčina		Crtao	06.08.2014	Dalibor Radovanac maš.ing	
			Pregledao	06.08.2014	A.Matović dipl.maš.ing	
			Overava	06.08.2014	A.Matović dipl.maš.ing	



Potpis	12H9	+0.043 0
	Ø13H7	+0.018 0
	Ø67p5	+0.045 +0.032
	Ø75h11	0 -0.190
	Ø84H11	+0.220 0
	Ø89a11	-0.380 -0.600
	Ø110j6	+0.013 -0.009

N7 / N5 / brušeno

Odobrio

Potpis

Izmenio

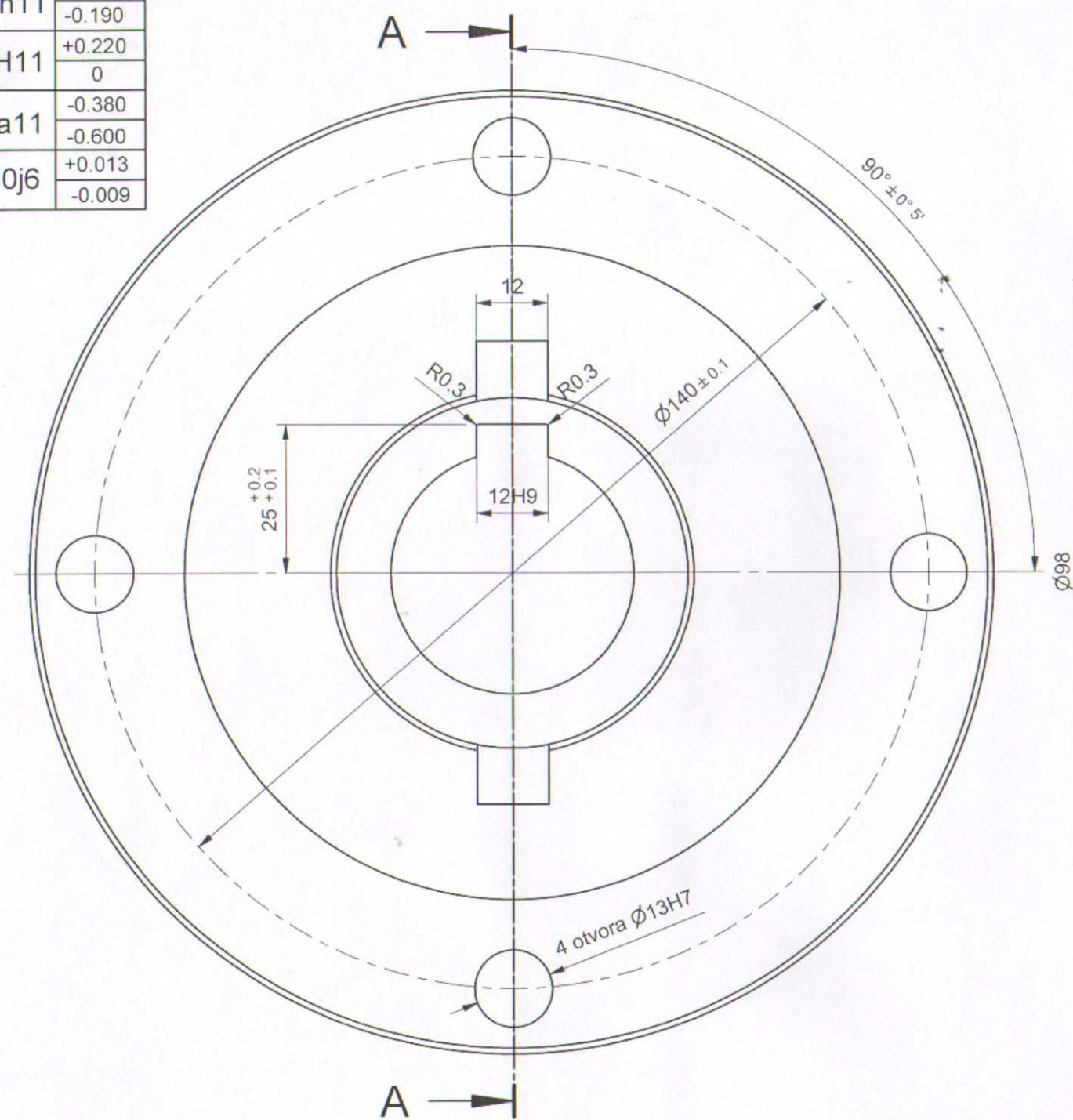
Izmena

Prvobitno

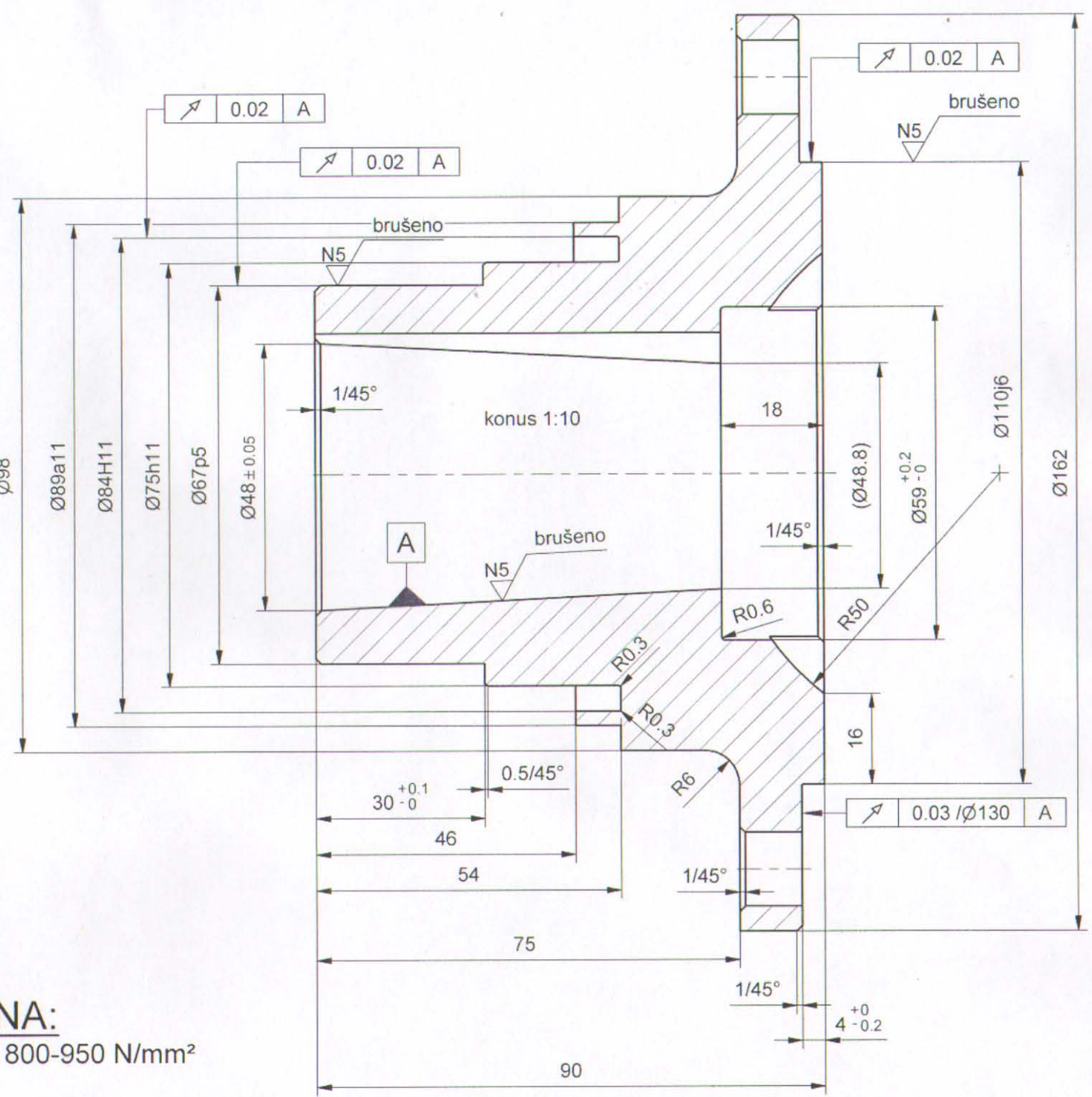
Dopis br.

Datum

NO.



A-A (1:1)



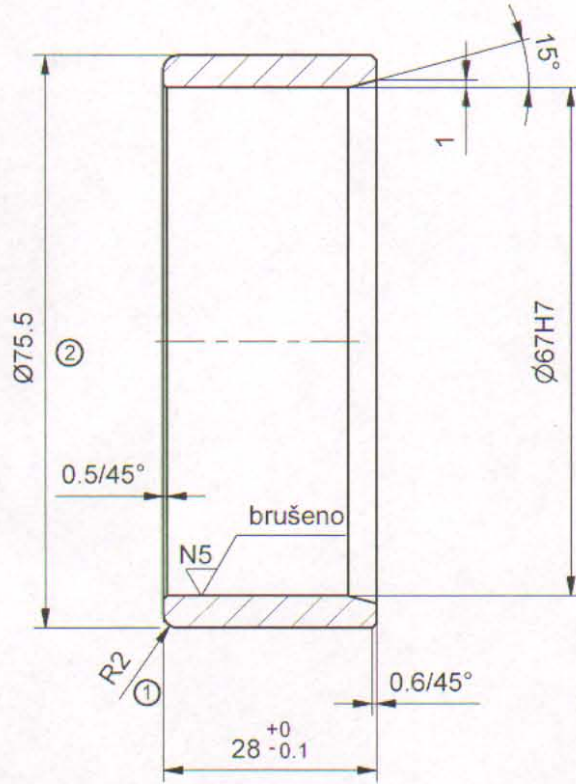
**NAPOMENA:**  
- Poboľšati na 800-950 N/mm<sup>2</sup>

09	009	NAZIV DETALJA - SKLOPA	Standard	42CrMo4 (Č 4732)	Ø 170x95	Kom.	Masa (kg)
Montaž	Detalj	Kućište diferencijala sa meh.		Materijal	Dimenzije		
Veza sa	000/2						
<b>R</b>	<b>1:1</b>	<b>Telo glavčine</b>		<b>T-01-DS</b>	<b>GSP "BEOGRAD"</b>		
				Snimio-konst.	06.12.1983	D.Đurić	
				Crtao	05.08.2014	Dalibor Radovanac maš.ing	
				Pregledao	05.08.2014	A.Matović dipl.maš.ing	
				Overava	05.08.2014	A.Matović dipl.maš.ing	



No.	1	Datum	16.10.1984	Dopis br.	2694	Prvobitno	/20°	Izmena	r2	Izmenio		Potpis		Odobrio		Potpis		Ø67H7	+0.030
	2	17.04.2014	782	Kota Ø 75.2	kota Ø 75.5	Dalibor Radovanac												Ø75h8	0
																			0
																			-0.046

N8 / / N5 / / brušeno / /



**NAPOMENA:**

- Cementirati na dubinu 0.8 - 1 mm
- Okaliti na 60±1 HRc
- Nakon navlačenja na glavčinu spoljnu površinu Ø75.5 obrusiti na konačnu meru Ø75h8

GSP 3 011 437  
KB. 01.002.358

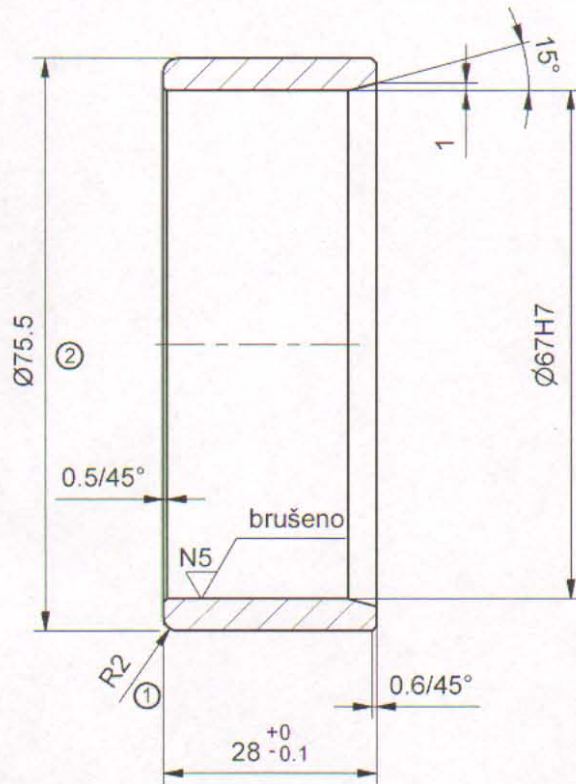
09	010	NAZIV DETALJA - SKLOPA	Standard	15Cr3 (Č 4120)	Ø 80x33	Kom.	Masa (kg)
Montaž	Detalj	Kučiste diferencijala sa el.	T-01-DS		GSP "BEOGRAD"		
Veza sa	R 1:1	Čaura glavčine reduktora KT4	Snimio-konst.	05.12.1983	M.Mančić		
			Crtao	23.04.2014	Dalibor Radovanac maš.ing		
			Pregledao	23.04.2014	A.Matović dipl.maš.ing		
			Overava	23.04.2014	A.Matović dipl.maš.ing		

*Matović*



No.	1	Datum	16.10.1984	Dopis br.	2694	Prvobitno	/20°	Izmena	r2	Izmenio		Potpis		Odobrio		Potpis		Ø67H7	+0.030
	2	17.04.2014	782	Kota Ø 75.2	kota Ø 75.5	Dalibor Radovanac												Ø75h8	0
																			0
																			-0.046

N8 / / N5 / / brušeno / /



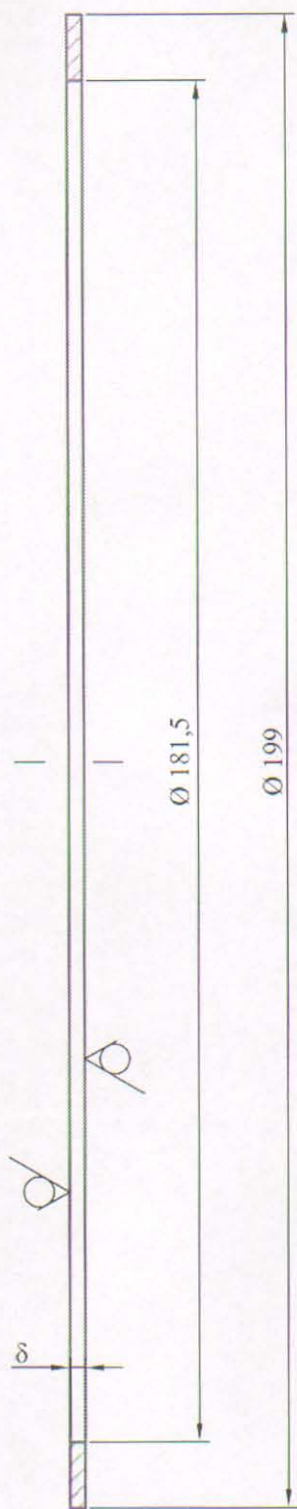
**NAPOMENA:**

- Cementirati na dubinu 0.8 - 1 mm
- Okaliti na 60±1 HRc
- Nakon navlačenja na glavčinu spoljnu površinu Ø75.5 obrusiti na konačnu meru Ø75h8

GSP 3 011 437  
KB. 01.002.358

09	010	NAZIV DETALJA - SKLOPA	Standard	15Cr3 (Č 4120)	Ø 80x33	Kom.	Masa (kg)
Montaž	Detalj	Kučiste diferencijala sa el.	T-01-DS		GSP "BEOGRAD"		
Veza sa	R 1:1	Čaura glavčine reduktora KT4	Snimio-konst.	05.12.1983	M.Mančić		
			Crtao	23.04.2014	Dalibor Radovanac maš.ing		
			Pregledao	23.04.2014	A.Matović dipl.maš.ing		
			Overava	23.04.2014	A.Matović dipl.maš.ing		

*Matović*



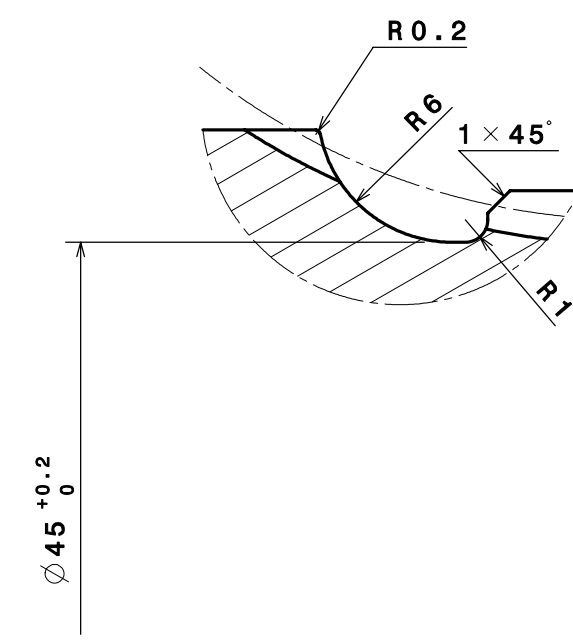
ŠIFRA GSP	KATALOŠKI BROJ	δ [mm]
3012611	01-002-051	0,2
3012727	01-002-051/1	0,15
3012646	01-002-053/1	0,25
3012620	01-002-052	0,3
3012638	01-002-053	0,5
3012654	01-002-054	1

NAPOMENA :  
 - Po zahtevu SP "Centrala" ( dopis br. 227 od 14.03.2006. godine ) izvršena izmena materijala :  
 umesto Č.0145 materijala izmenjen u Č.0745

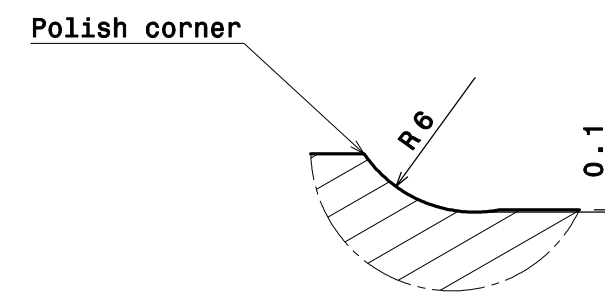
09	013	NAZIV DETALJA - SKLOPA	Standard	E360 (Č.0745)	δ x 205 x 205		
Montaž	Detalj	KUČIŠTA DIFERENCIJALA SA MEHANIZMOM I ELEMENTIMA	<b>T-16-DS</b>		<b>GSP "BEOGRAD"</b>		
veza sa		<b>PODMETAČ</b> Ø199/181,5 x δ ZA BOČNO PODEŠAVANJE ZAZORA	Snimio-konstruisao:	06.10.1978.	Đ.Radić		
<b>R</b>	<b>1:1</b>		Crtao:	31.07.2014.	A. Matović, dipl. inž. maš.		
			Pregledao:		A. Matović, dipl. inž. maš.		
			Overava:		A. Matović, dipl. inž. maš.		<i>[Signature]</i>



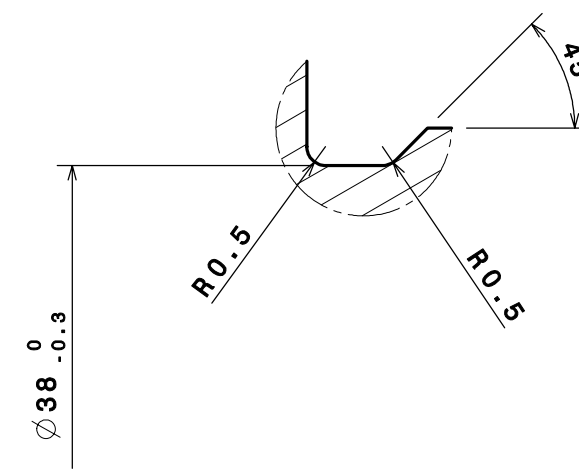
DETAIL "C"  
3/1



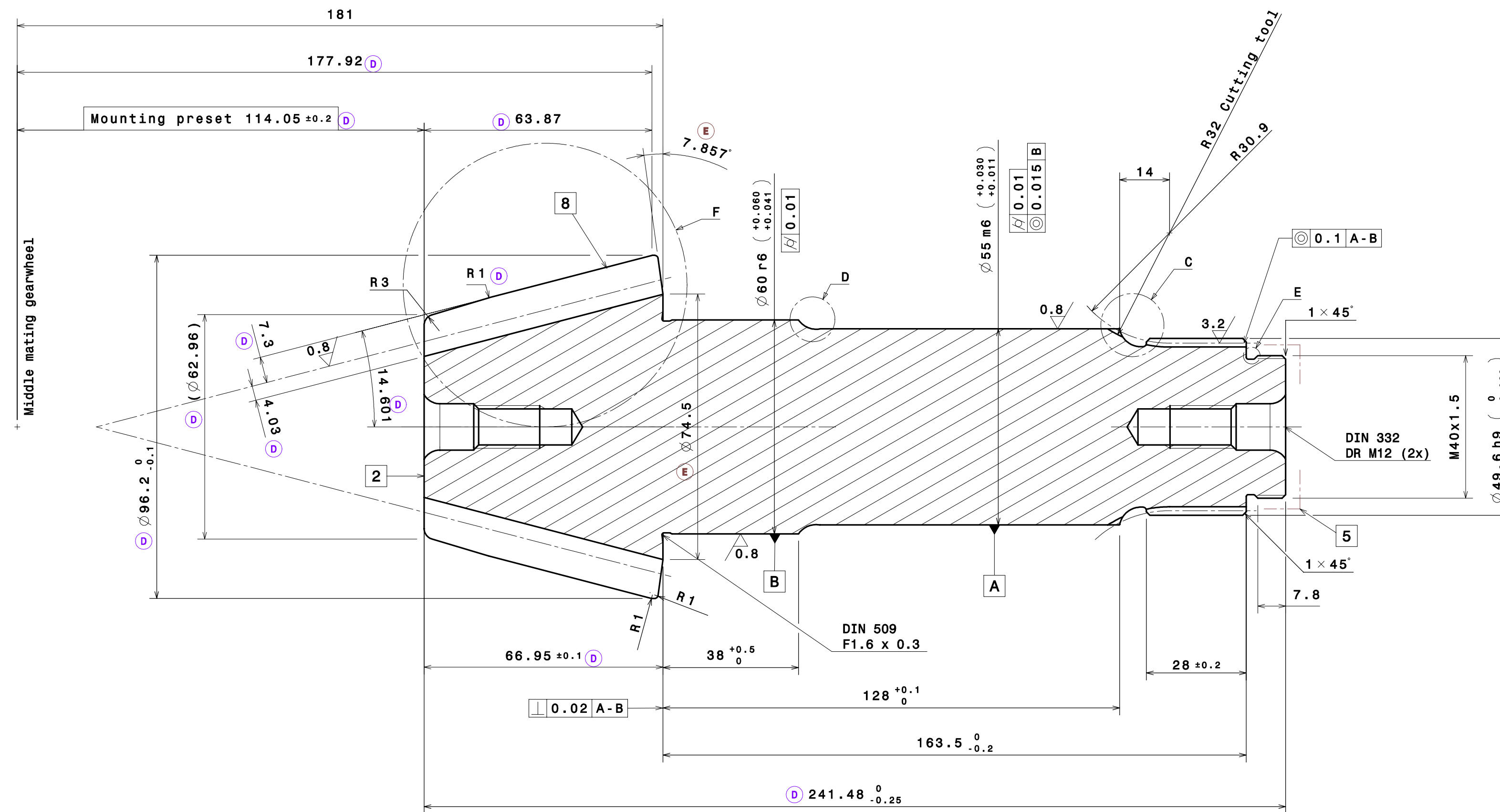
DETAIL "D"  
3/1



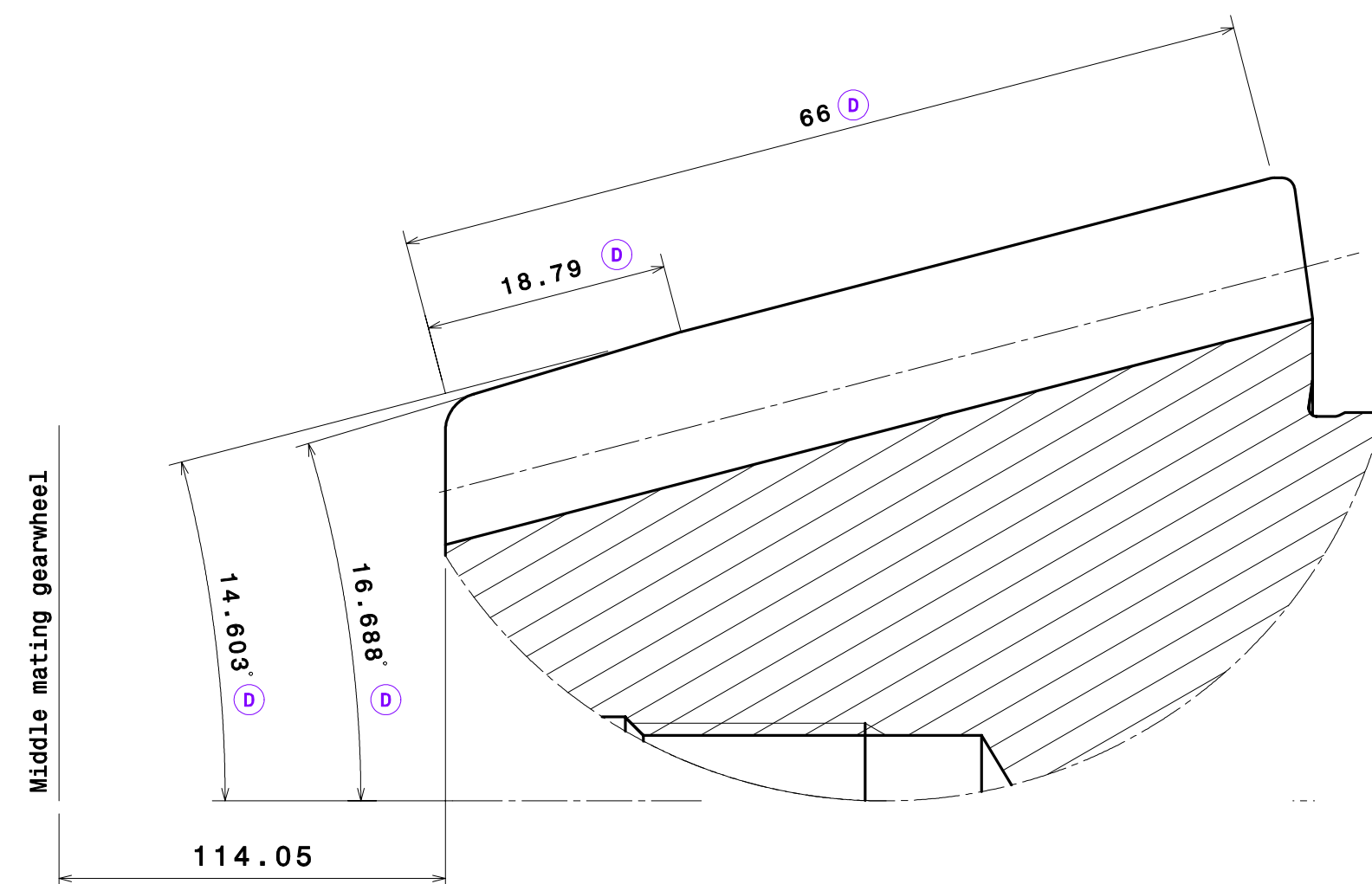
DETAIL "E"  
5/1



SECTION A-A



DETAIL "F"  
2/1  
THEORETICAL FACE WIDTH



SPLINE CHARACTERISTICS		X.44.01630.01
Norm	DIN5480 - W50x2x24x8n	
Normal module	2	
Number of teeth	24	
Normal angle	30°	
Reference diameter	50	
Addendum modification coefficient [xm]	-0,1	
Dimension over rolls $\phi 4$	Min.	54.208
	Max.	54.258

NOTES

- Material specification (steel forging) AP-DC-05-001-1020  
Material specification (steel bar) AP-DC-05-001-1021
- Dimensional control acc. to AP-DC-05-001-1001  
Marking according to AP-DC-05-001-1002  
Case HPG mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/HPG  
Case GRINDING mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/SC  
+ Mark mounting preset (114.05)
- Bevel and hypoid specification AP-DC-05-001-1041
- Surfaces to carburize - harden - temper treatment ISO6336-5-MQ  
Surface hardness HRC = 59-63 HRC  
Effective case depth Eht = 1 - 1.5 mm
- The thread M40x1.5 must remain soft
- Packaging and protection according N-16.01-BZ-02
- Gears must be HPG-S machined/grinded after heat treatment (skived/grinding). No step allowed after skiving/grinding.
- Chamfer 0.5x45° at both sides

NOTAS

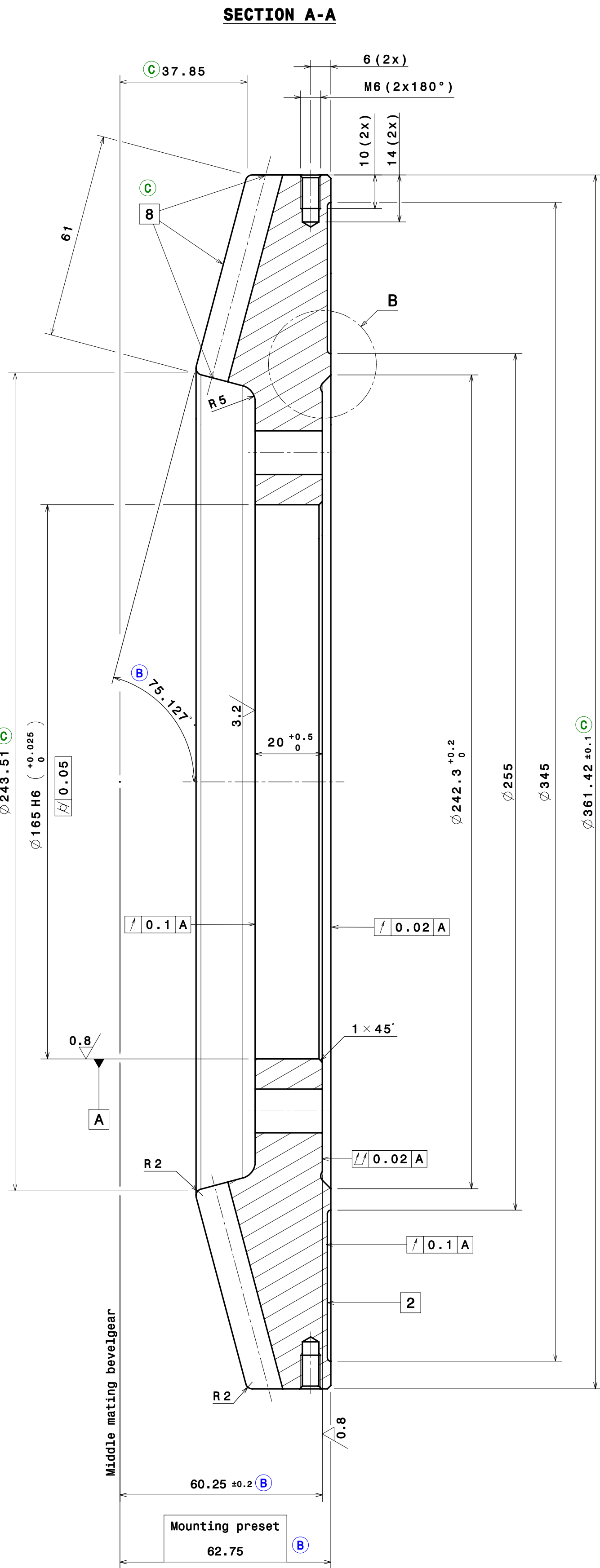
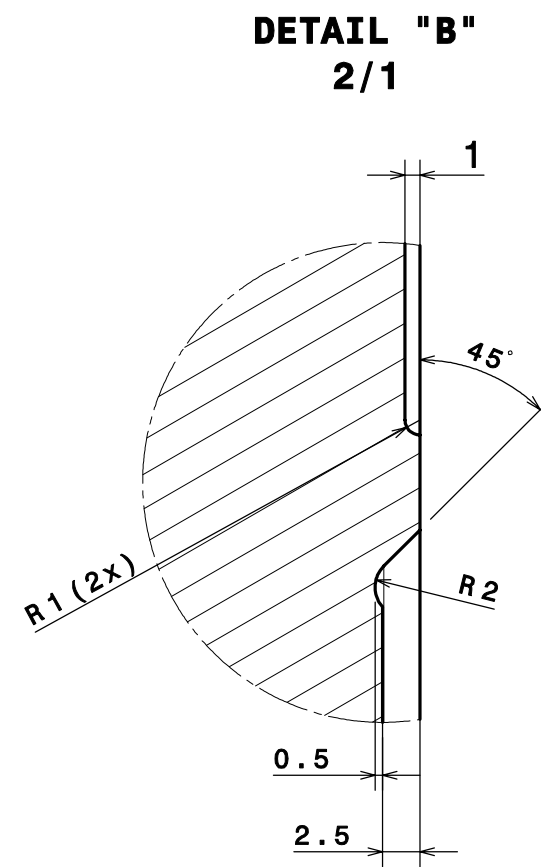
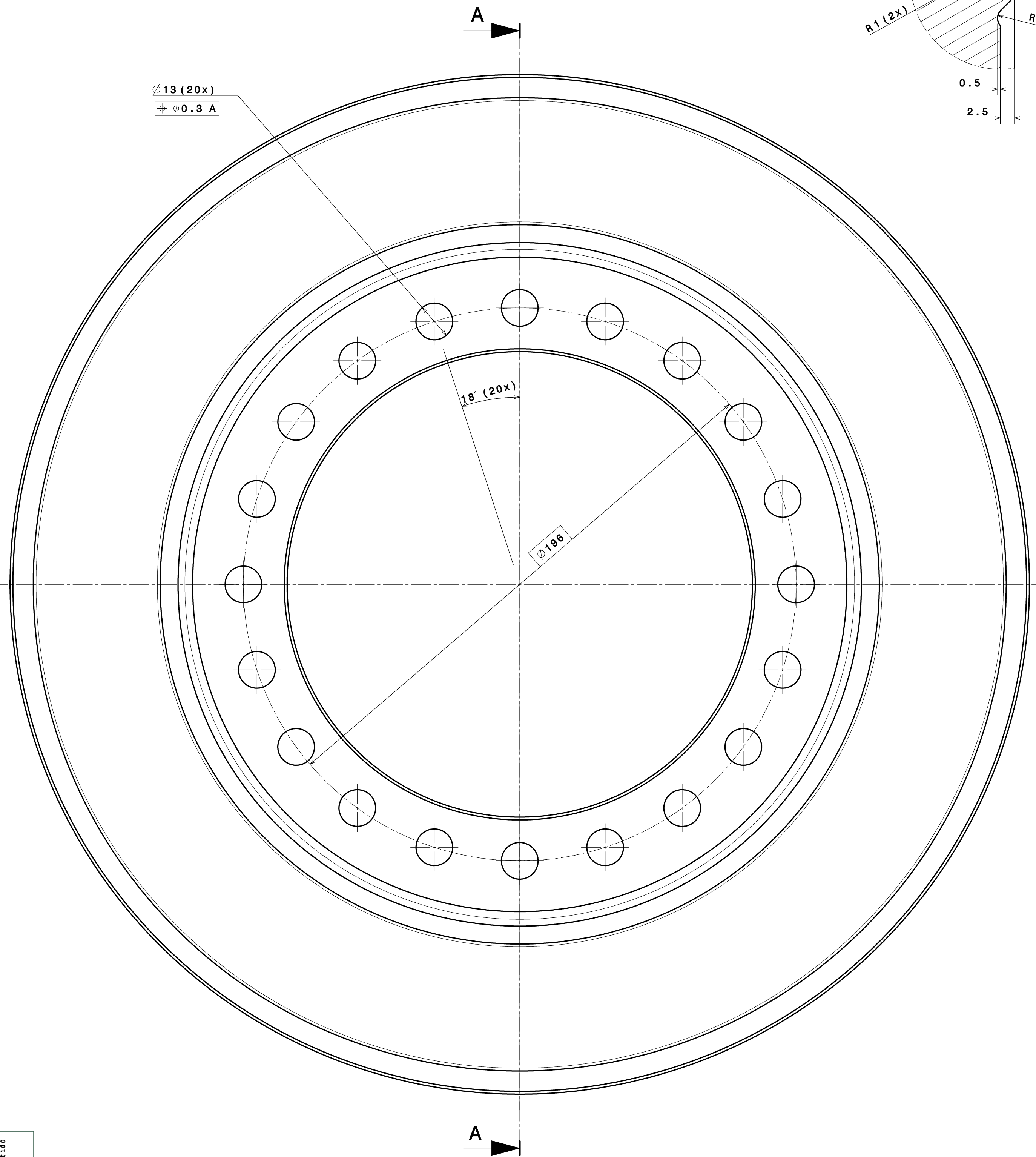
- Especificación del material (forja) AP-DC-05-001-1020  
Especificación del material (barra) AP-DC-05-001-1021
- Control dimensional según AP-DC-05-001-1001  
Marcado según AP-DC-05-001-1002  
Caso HPG marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/HPG  
Caso RECTIFICADO marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/SC  
+ Marcar cota de montaje (114.05)
- Especificación de engranajes cónicos e hipoides AP-DC-05-001-1041
- Superficies de cementado - temple - revenido ISO6336-5-MQ  
Dureza superficial HRC = 59-63 HRC  
Profundidad efectiva Eht = 1 - 1.5 mm
- La rosca M40x1.5 debe quedar blando (proteger de la cementación)
- Embalaje y protección según N-16.01-BZ-02
- Los engranajes deberán ser HPG-S mecanizados/rectificados después de tratamiento térmico (acabado en duro/rectificado). Las entallas no están permitidas después del acabado en duro/rectificado.
- Chafan 0.5x45° a ambos lados.

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Unless otherwise specified :  
-Deburr all sharp edges with 0.3-0.5 x 45°  
-General roughness Ra=b.3  
Unless otherwise specified, tolerances according to ISO 2768 -mK

01	PIÑÓN CONICO	1	18CnIm07-6 EN 10084	5.500	(mm)											
MARCA	DESCRIPCION	CANT.	CODIFICACION O NORMA	MATERIAL O REFERENCIA	PESO UNITARIO	DIMENSIONES										
			N° DIBUJO O CALIDAD MATERIAL:			NOTAS Y OBSERVACIONES										
MODIFICACIONES																
<table border="1"> <tr> <th>FECHA</th> <th>NOMBRES</th> <th>COMPR.</th> <th>VERIFIC.</th> <th>HOMOL.</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							FECHA	NOMBRES	COMPR.	VERIFIC.	HOMOL.					
FECHA	NOMBRES	COMPR.	VERIFIC.	HOMOL.												
SUSTITUYE A:																
DESIGNACION: PIÑÓN CONICO																
EDICION: 1																
HOJA N°: 2																
N° DE HOJA: A1																
FECHA: 09-01-08																
NOMBRE: MP																
ENTIDAD: CAF																
REFERENCIA: X.44.01630																
VERIFIC: 09-01-08																
10535																
SUSTITUYE A:																





- NOTES**
- Material specification (steel forging) AP-DC-05-001-1020  
Material specification (steel bar) AP-DC-05-001-1021
  - Dimensional control acc. to AP-DC-05-001-1001  
Marking according to AP-DC-05-001-1002  
Case HPG mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/HPG  
Case GRINDING mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/SC  
+ Mark mounting preset (62.75)
  - Bevel and hypoid specification AP-DC-05-001-1041
  - Surfaces to carburize - harden - temper treatment ISO6336-5-MQ  
Surface hardness HRC = 59-63 HRC  
Effective case depth Eht = 1 - 1.5 mm
  - Bore patterns are not related to each other.
  - Packaging and protection according N-16.01-BZ-02
  - Gears must be HPG-S machined/grinded after heat treatment (skived/grinding). No step allowed after skiving/grinding.
  - Chamfer 0.5x45° at both sides

- NOTAS**
- Especificación del material (forja) AP-DC-05-001-1020  
Especificación del material (barra) AP-DC-05-001-1021
  - Control dimensional según AP-DC-05-001-1001  
Marcado según AP-DC-05-001-1002  
Caso HPG marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/HPG  
Caso RECTIFICADO marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/SC  
+ Marcar cota de montaje (62.75)
  - Especificación de engranajes cónicos e hipoides AP-DC-05-001-1041
  - Superficies de cementado - temple - revenido ISO6336-5-MQ  
Dureza superficial HRC = 59-63 HRC  
Profundidad efectiva Eht = 1 - 1.5 mm
  - El patrón de los taladros no será relacionado unos con los otros.
  - Embalaje y protección según N-16.01-BZ-02
  - Los engranajes deberán ser HPG-S mecanizados/rectificados después de tratamiento térmico (acabado en duro/rectificado). Las entallas no están permitidas después del acabado en duro/rectificado.
  - Chafilan 0.5x45° a ambos lados.

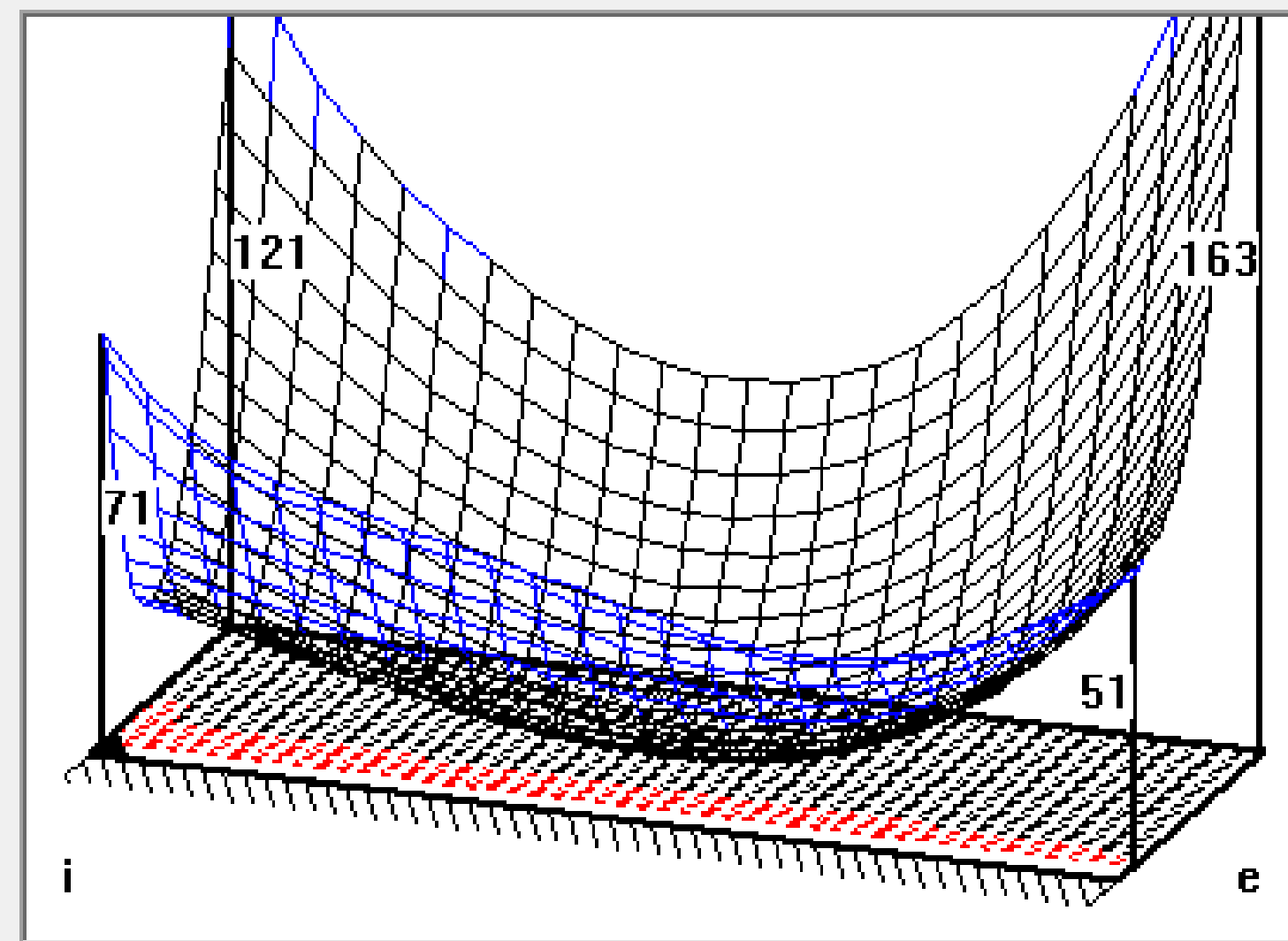
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Unless otherwise specified :  
-Deburr all sharp edges with 0.3-0.5 x 45°  
-General roughness Ra=6.3  
Unless otherwise specified, tolerances according to ISO 2768 -mK

01	ENGRANAJE CONICO	1	18CrNiMo7-6 EN 10084	4	17.90
MARCA	DESCRIPCION	CANT.	MODIFICACION O NORMA	MATERIAL O REFERENCIA	PERO UNITARIO (mm)
			N° DIBUJO O CALIDAD MATERIAL:		NOTAS Y OBSERVACIONES
<b>MODIFICACIONES</b> B 18/04/2010 Modificación en diámetro de montaje, según tabla de modificaciones. C 12/07/2010 Se revisa el diseño según HPG. D 04/03/2010 Se incorporan tolerancias de perpendicularidad según rectificado. E 02/12/2010 Se incorpora en las notas el acabado de la cara de montaje. F 05/10/2010 Se actualiza en tabla de modificaciones. G 18/08/2014 Error-off update					
			FECHA	NOMBRES	 PLANO N°
			COMPR.	VERIFICO	
			HOMOL.		
			SUSTITUYE A:		
			DESIGNACION:	EDICION	
			1/1	ENGRANAJE CONICO	
			FECHA	NOMBRES	HOJA N°
			09-01-08	MP	1
			VERIFICO	10535	N° DE HOJA
			SUSTITUYE A:		2
			ENTIDAD:	REFERENCIA:	A1
			CAF	X.44.01640	G
			EDICION		

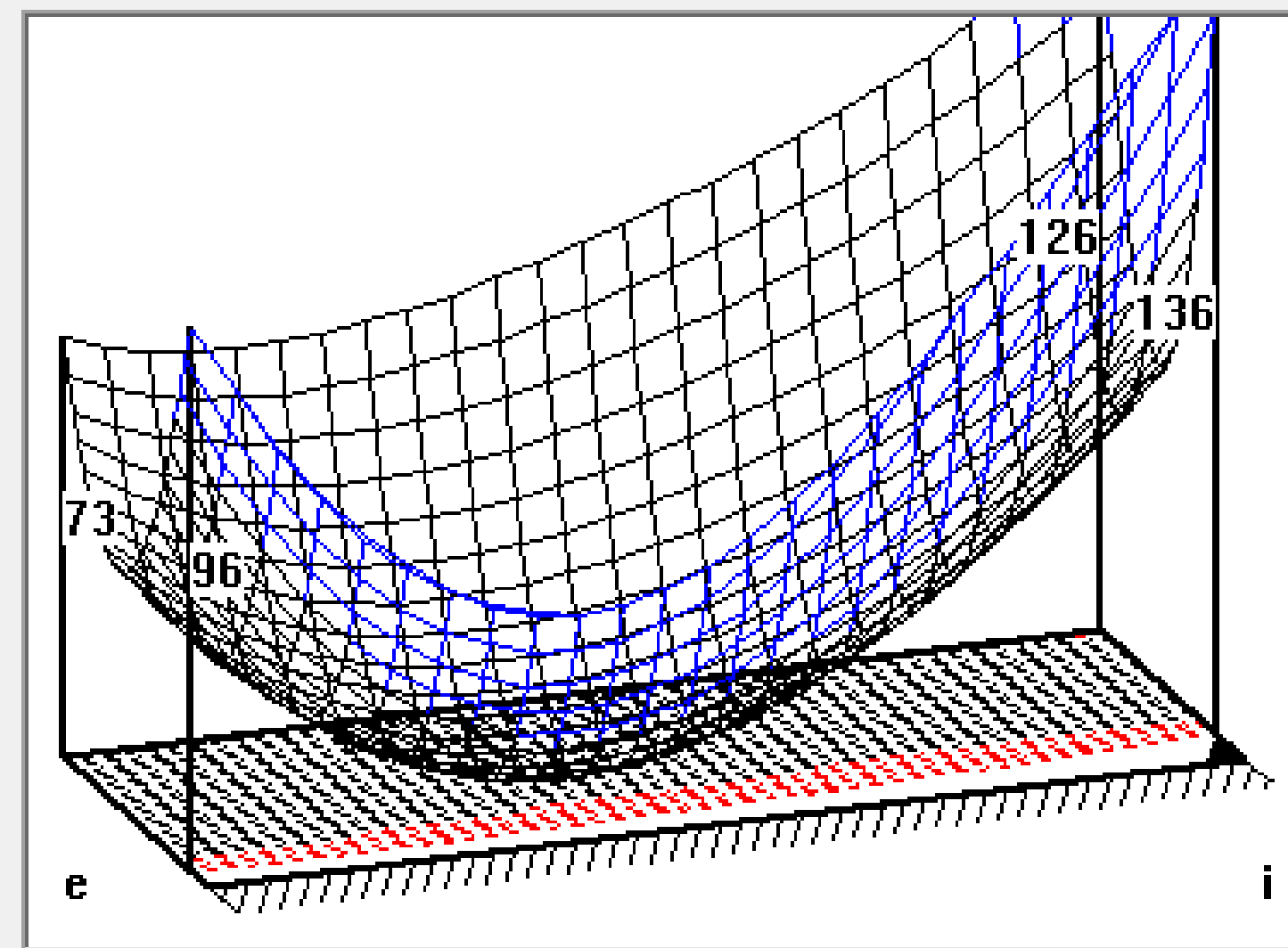
# EASE - OFF

Drive (Optimization of Concave Pinion Flank)



db	Spiral Angle Diff. [Deg.]	-0.0243
d α	Pressure Angle Diff. [Deg.]	-0.2473
LB	Lengthwise Crowning [μm]	54.6
HB	Profile Crowning [μm]	41.3
dv	Longitudinal Twist [Deg.]	-0.2508

Coast (Optimization of Convex Pinion Flank)



db	Spiral Angle Diff. [Deg.]	-0.0219
d α	Pressure Angle Diff. [Deg.]	-0.1013
LB	Lengthwise Crowning [μm]	40.5
HB	Profile Crowning [μm]	56.4
dv	Longitudinal Twist [Deg.]	0.1554

# GRINDING

KLINGELNBERG HYPOID - GEAR GRINDING			
Axis angle	Sigma	°	90
Offset (center distance)	a	mm	+30
Hand of gear	Left		
Number of teeth	z		49
Theoretical facewidth	b	mm	61
Reference diameter Middle	d <sub>m</sub>	mm	301.045
Reference diameter Outside	d <sub>e</sub>	mm	360.0017
Normal module in the middle	m <sub>mn</sub>	mm	5.0327
Helix angle in the middle	bet <sub>m</sub>	°	35
Cone angle	delta	°	75.1267
Medium normal pressure angle	alfa	°	20
Angle modification	thek	°	0
Tooth height	H	mm	11.3236
Addendum Reference profile	h <sub>ap</sub>	module	1
Dedendum Reference profile	h <sub>fp</sub>	module	1.25
Root radius factor	rho <sub>rp</sub>	module	0.3
Profile shift coefficient	x <sub>hm</sub>		-0.45
Tooth thickness modification factor	xs <sub>mn</sub>		-0.006
Length of reference cone outside	R <sub>e</sub>	mm	186.24
Length of reference cone middle	R <sub>m</sub>	mm	155.7407
Length of reference cone inside	R <sub>i</sub>	mm	125.24
Tooth quality	6 as per DIN 3965		
Machining process	GRINDING		
TOOL			
Cutter radius	R	mm	100
Cutter module	m <sub>0</sub>	mm	5
Number of cutter blade groups	z <sub>0</sub>		5
BACKLASH			
Mean Transverse Backlash	j <sub>mt</sub>	mm	0.2255
Outer Normal Backlash (Tip)	j <sub>ne</sub>	mm	0.1670

Case GRINDING mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/SC  
 Caso RECTIFICADO marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/SC

# CONTACT PATTERN ANALYSIS

**Drive Side (Gear convex)**

Projection (Facewidth, Depth)	
a =	24.9 mm
b =	61.0 mm
c =	29.0 mm
d =	2.5 mm
e =	4.3 mm
f =	15.5 mm
Development (Helix, Profile)	
a =	29.9 mm
b =	75.6 mm
c =	39.1 mm
d =	2.8 mm
e =	4.5 mm
f =	17.1 mm

Definition of the contact pattern (DIN 3965)

**Coast Side (Gear concave)**

Projection (Facewidth, Depth)	
a =	24.3 mm
b =	61.0 mm
c =	27.2 mm
d =	2.1 mm
e =	4.8 mm
f =	23.1 mm
Development (Helix, Profile)	
a =	30.5 mm
b =	75.4 mm
c =	37.0 mm
d =	2.3 mm
e =	5.0 mm
f =	25.6 mm

Definition of the contact pattern (DIN 3965)

**Drive Side (Gear convex)**  
Measurement (4 μm)

**Coast Side (Gear concave)**  
Measurement (4 μm)

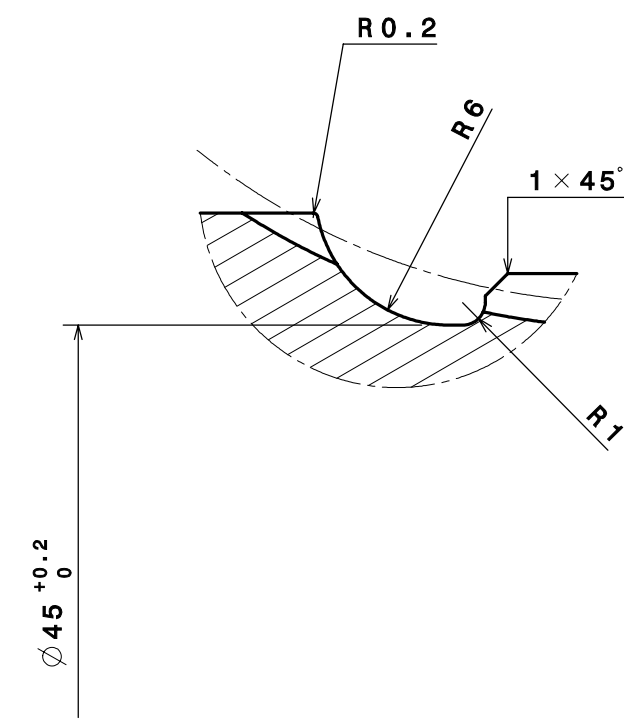
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 -General roughness Ra=b.3  
 Unless otherwise specified, tolerances according to ISO 2768 -mK

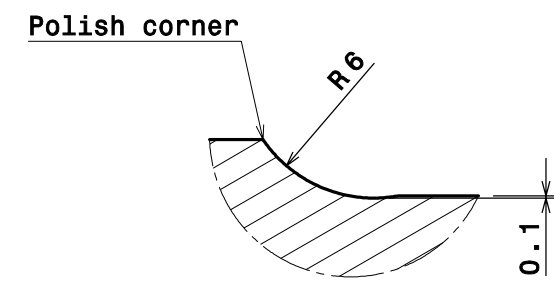
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DESCRIPCION		CANT.	CODIFICACION O NORMA	MATERIAL O REFERENCIA	PESO UNITARIO	EDICION
			Nº DIBUJO O CALIDAD MATERIAL:		NOTAS Y OBSERVACIONES	
MODIFICACIONES						
COMPR	FECHA	NOMBRES				
VERIFIC	PLANO N°					
SUSTITUYE A:						
1/1		ENGRANAJE CONICO				HOJA N° 2
		ENTIDAD: CAF				Nº DE HOJAS 2
FECHA 09-01-08		NOMBRES MP		REFERENCIA: X.44.01640		EDICION A1
VERIFIC 09-01-08		10535				G
SUSTITUYE A:						



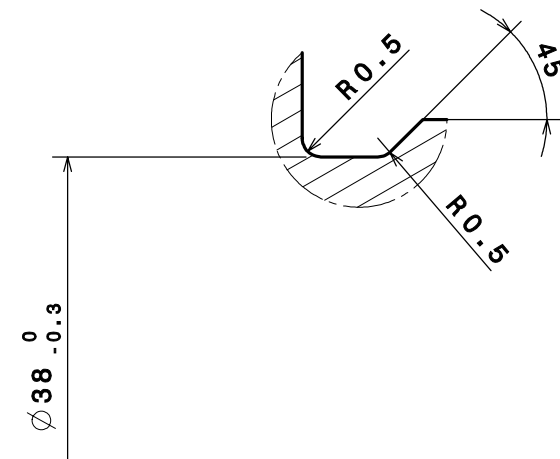
DETAIL "C"  
3/1



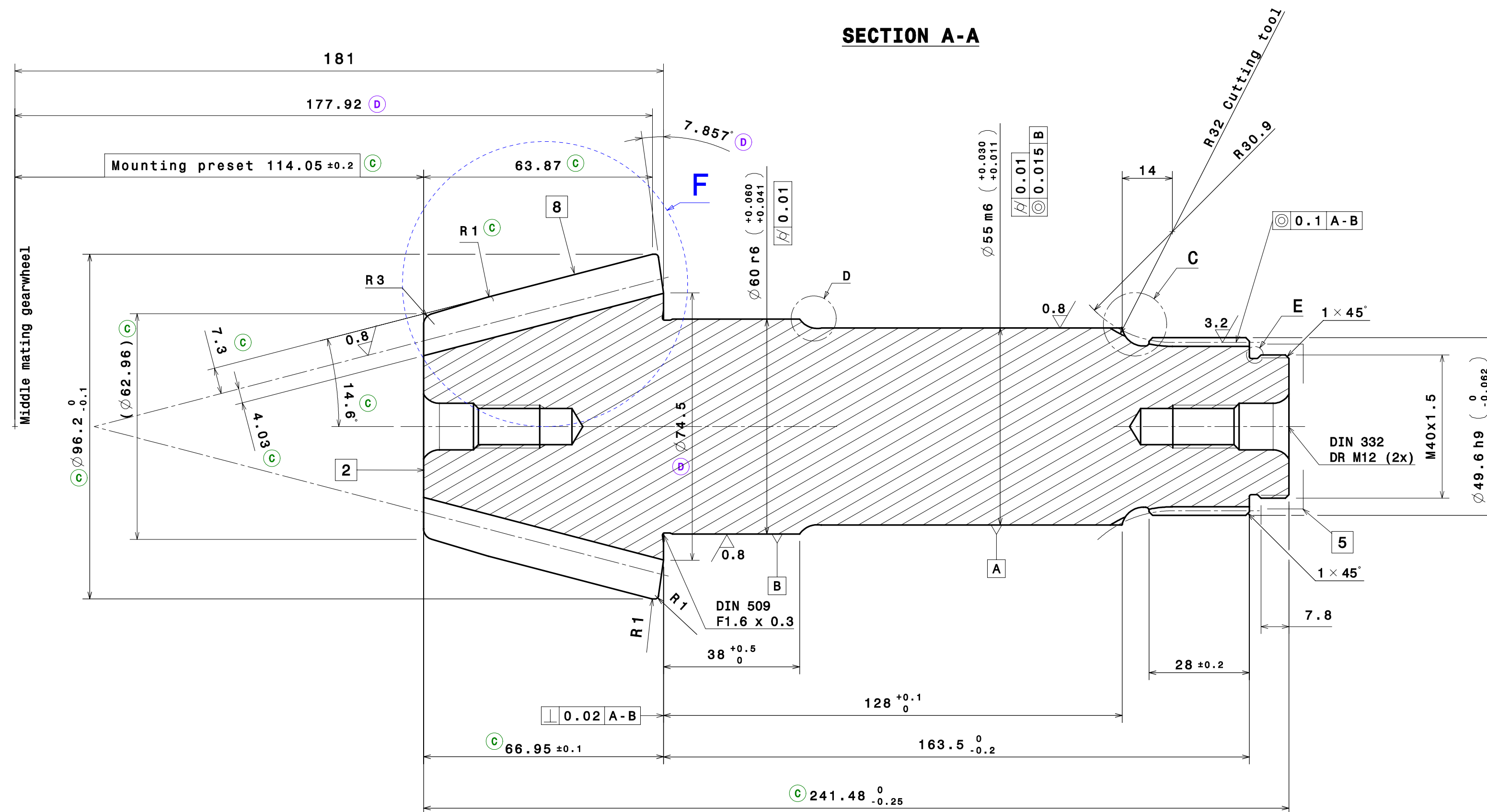
DETAIL "D"  
3/1



DETAIL "E"  
5/1

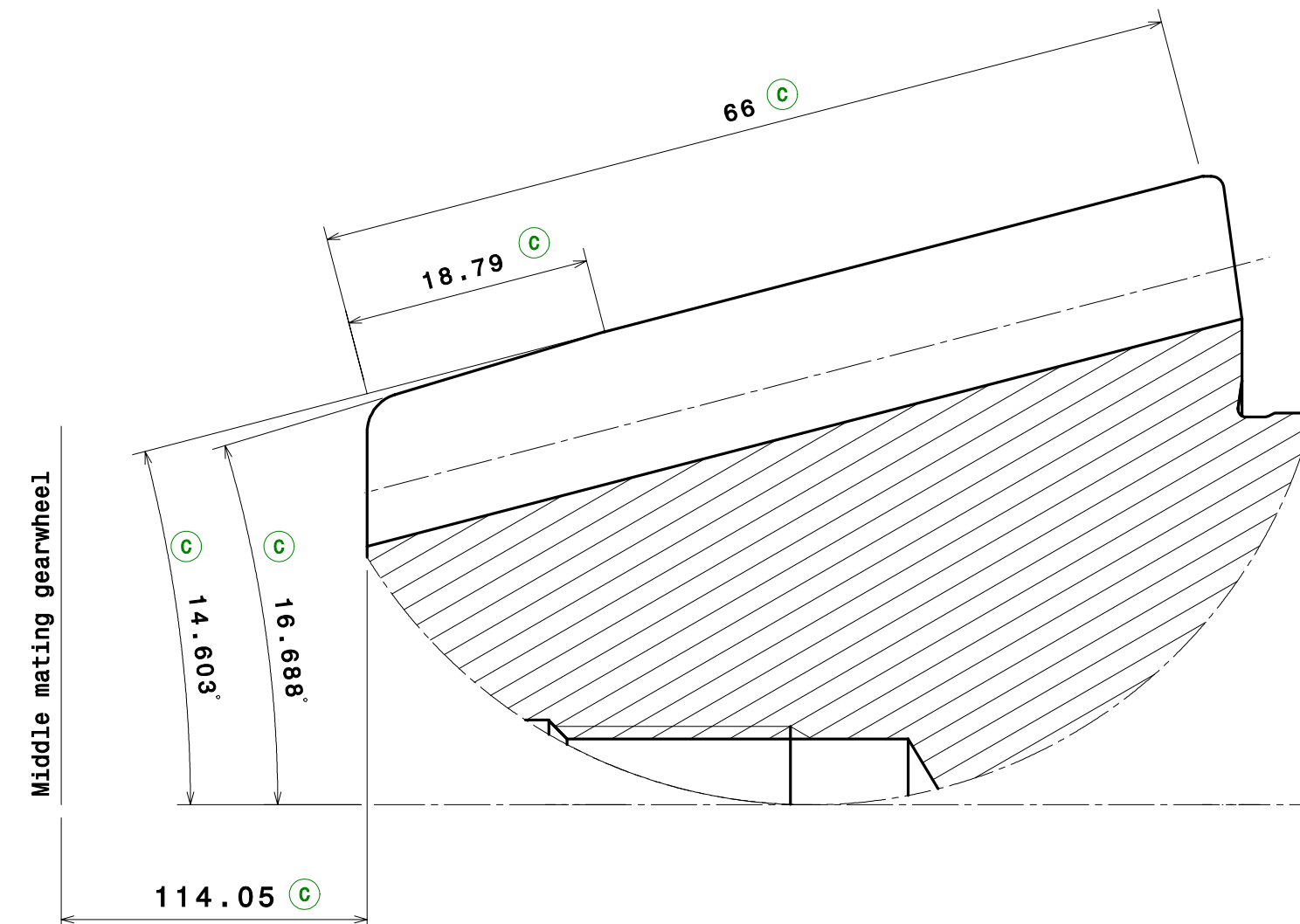


SECTION A-A



DETAIL "F"  
2/1

THEORETICAL FACE WIDTH



SPLINE CHARACTERISTICS		X.44.01906.01
Norm	DIN5480 - W50x2x24x8n	
Normal module	2	
Number of teeth	24	
Normal angle	30°	
Reference diameter	50	
Addendum modification coefficient [xm]	-0,1	
Dimension over rolls _4 Min.	54.208	
	Max.	54.258

NOTES

- Material specification (steel forging) AP-DC-05-001-1020  
Material specification (steel bar) AP-DC-05-001-1021
- Dimensional control acc. to AP-DC-05-001-1001  
Marking according to AP-DC-05-001-1002
- Case HPG mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/HPG  
Case GRINDING mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/SC  
+ Mark mounting preset (114.05)
- Bevel and hypoid specification AP-DC-05-001-1041
- Surfaces to carburize - harden - temper treatment ISO6336-5-MQ  
Surface hardness HRC = 59-63 HRC  
Effective case depth Eht = 1 - 1.5 mm
- The thread M40x1.5 must remain soft
- Packaging and protection according N-16.01-BZ-02
- Gears must be HPG-S machined/grinded after heat treatment (skived/grinding). No step allowed after skiving/grinding.
- Chamfer 0.5x45° at both sides

NOTAS

- Especificación del material (forja) AP-DC-05-001-1020  
Especificación del material (barra) AP-DC-05-001-1021
- Control dimensional según AP-DC-05-001-1001  
Marcado según AP-DC-05-001-1002
- Caso HPG marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/HPG  
Caso RECTIFICADO marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/SC  
+ Marcar cota de montaje (114.05)
- Especificación de engranajes cónicos e hipoides AP-DC-05-001-1041
- Superficies de cementado - temple - revenido ISO6336-5-MQ  
Dureza superficial HRC = 59-63 HRC  
Profundidad efectiva Eht = 1 - 1.5 mm
- La rosca M40x1.5 debe quedar blando (proteger de la cementación)
- Embalaje y protección según N-16.01-BZ-02
- Los engranajes deberán ser HPG-S mecanizados/rectificados después de tratamiento térmico (acabado en duro/rectificado). Las entallas no están permitidas después del acabado en duro/rectificado.
- Chafan 0.5x45° a ambos lados.

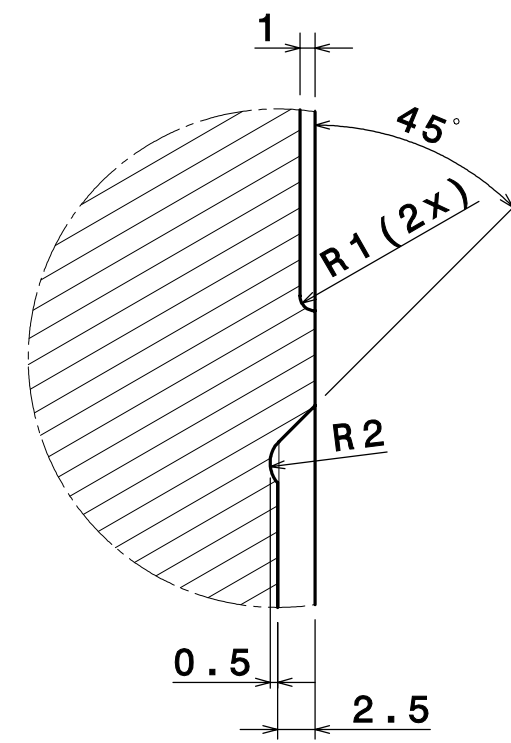
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Unless otherwise specified :  
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-General roughness Ra=6.3  
Unless otherwise specified, tolerances according to ISO 2768 -mK

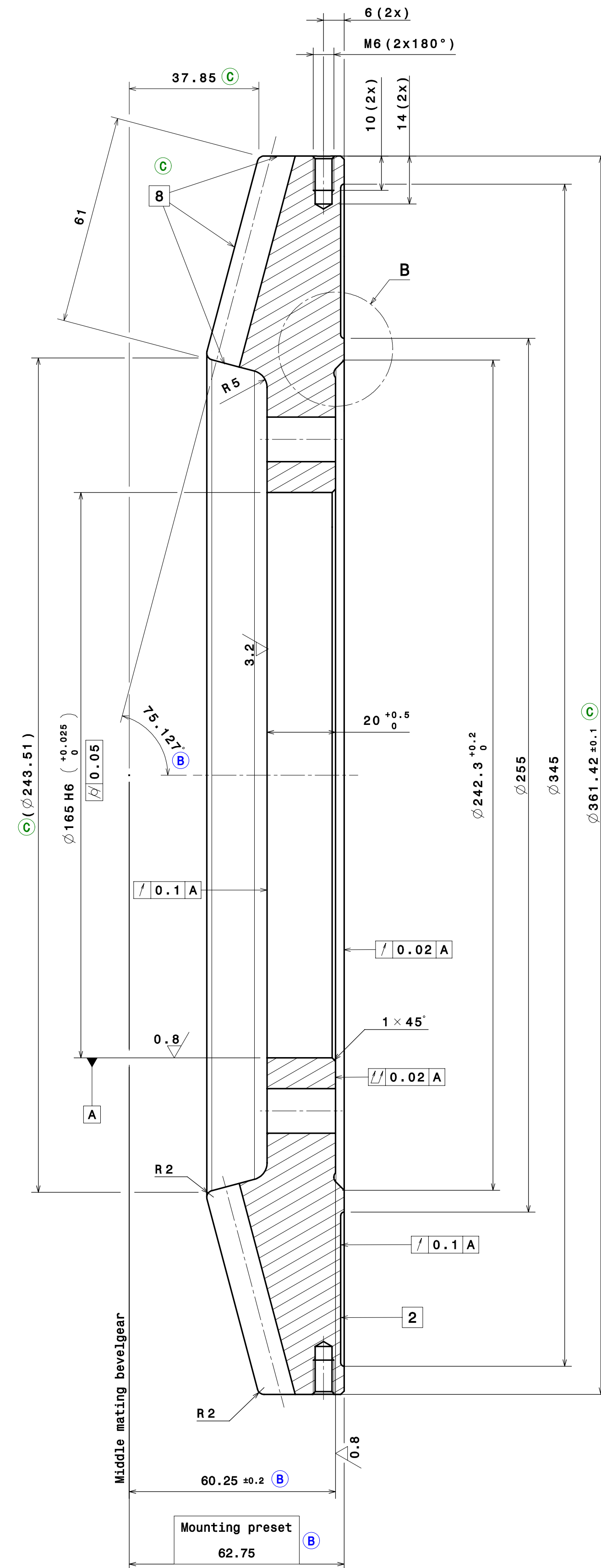
01 PIÑÓN CÓNICO		1	18CnM07-6	4	5.5
DESCRIPCION	CANT.	MODIFICACION O NORMA	MATERIAL O REFERENCIA	PERO UNITARIO	(mm) DIMENSIONES
		N° DIBUJO O CALIDAD MATERIAL:		NOTAS Y OBSERVACIONES	
MODIFICACIONES					
<p>B Indicación de modificaciones en el dibujo C Indicación de cambios de dimensiones D Indicación de cambios de materiales E Indicación de cambios de acabados F Indicación de cambios de especificaciones</p>					
FECHA	NOMBRES	Málaga			
VERIFICADO	PLANO N°				
SUSTITUYE A:					
DESIGNACION:					
PIÑÓN CÓNICO					
EDICION					
HOJA N°					
N° DE HOJA					
A1					
FECHA	NOMBRES	ENTIDAD:	CAF		
DIBUJO	00-01-08	MP	REFERENCIA:		
VERIFICADO	00-01-08	10535	X.44.01906		
SUSTITUYE A:					
EDICION					



DETAIL "B"  
2/1



SECTION A-A



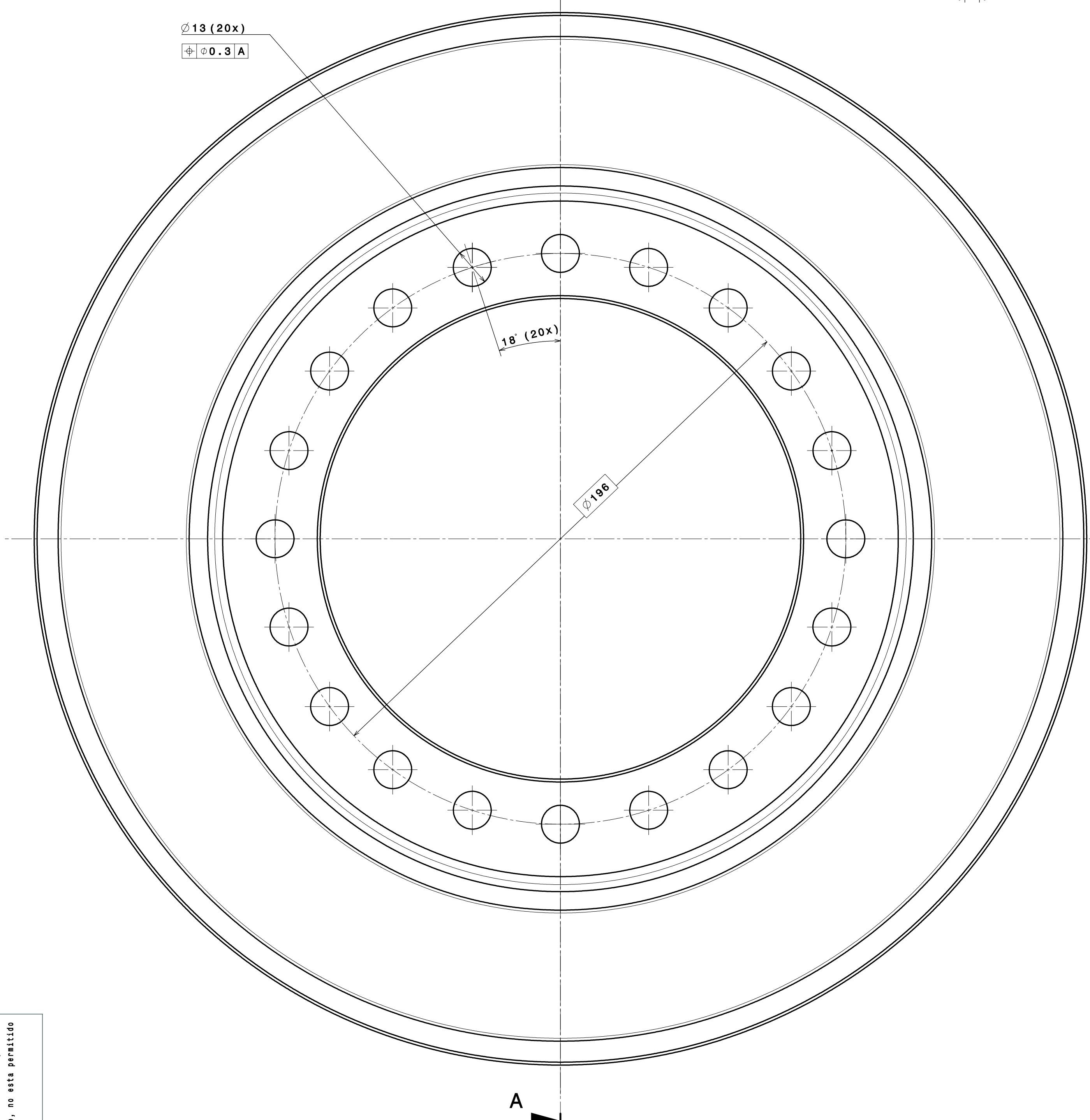
NOTES

- 1 Material specification (steel forging) AP-DC-05-001-1020  
Material specification (steel bar) AP-DC-05-001-1021
- 2 Dimensional control acc. to AP-DC-05-001-1001  
Marking according to AP-DC-05-001-1002
- 3 Case HPG mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/HPG  
Case GRINDING mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/SC  
+ Mark mounting preset (62.75) E
- 4 Bevel and hypoid specification AP-DC-05-001-1041
- 4 Surfaces to carburize - harden - temper treatment ISO6336-5-MQ  
Surface hardness HRC = 59-63 HRC  
Effective case depth Eht = 1 - 1.5 mm
- 5 Bore patterns are not related to each other.
- 6 Packaging and protection according N-16.01-BZ-02
- 7 Gears must be HPG-S machined/grinded after heat treatment (skived/grinding). No step allowed after skiving/grinding. D
- 8 Chamfer 0.5x45 at both sides

NOTAS

- 1 Especificación del material (forja) AP-DC-05-001-1020  
Especificación del material (barra) AP-DC-05-001-1021
- 2 Control dimensional según AP-DC-05-001-1001  
Marcado según AP-DC-05-001-1002
- 3 Caso HPG marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/HPG  
Caso RECTIFICADO marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/SC  
+ Marcar cota de montaje (62.75) E
- 3 Especificación de engranajes cónicos e hipoides AP-DC-05-001-1041
- 4 Superficies de cementado - temple - revenido ISO6336-5-MQ  
Dureza superficial HRC = 59-63 HRC  
Profundidad efectiva Eht = 1 - 1.5 mm
- 5 El patrón de los taladros no será relacionado unos con los otros.
- 6 Embalaje y protección según N-16.01-BZ-02
- 7 Los engranajes deberán ser HPG-S mecanizados/rectificados después de tratamiento térmico (acabado en duro/rectificado). Las entallas no están permitidas después del acabado en duro/rectificado. D
- 8 Chafan 0.5x45 a ambos lados.

Ø 13 (20x)  
± 0.3 A



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Unless otherwise specified:  
 -Deburr all sharp edges with 0.3-0.5 x 45°  
 -General roughness Ra=6.3  
 Unless otherwise specified, tolerances according to ISO 2768 -mK

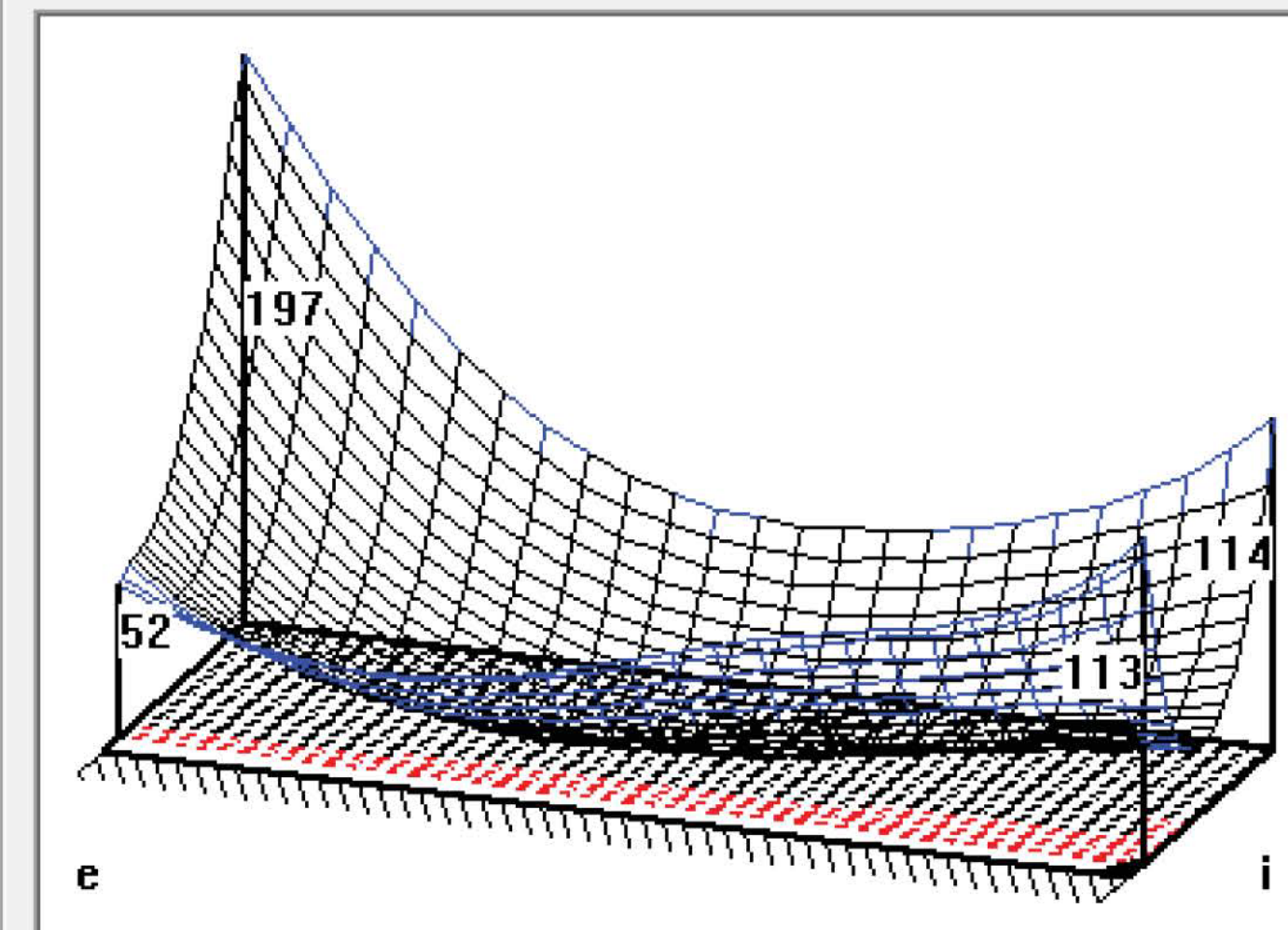
MODIFICACIONES	FECHA	NOMBRES	DESCRIPCION
B			18CrNiMo7-6 EN 10084 4
C			17.9
D			
E			
F			

01	ENGRANAJE CONICO	1	18CrNiMo7-6 EN 10084 4	17.9	
MARCA	DESCRIPCION	CANT.	CODIFICACION O NORMA	MATERIAL O REFERENCIA	PERO UNITARIO (mm)
			N° DIBUJO O CALIDAD MATERIAL:	NOTAS Y OBSERVACIONES	
MODIFICACIONES:					
SUSTITUYE A:					
SUSTITUYE A:					
ENGRANAJE CONICO					
ENTIDAD: CAF					
REFERENCIA: X.44.01902					
EDICION: 1					
HOJA N°: 2					
N° DE HOJA: A1					
FECHA: 09-01-08					
NOMBRE: MP					
VERIFICADO: 09-01-08					
NOMBRE: 10535					
SUSTITUYE A:					



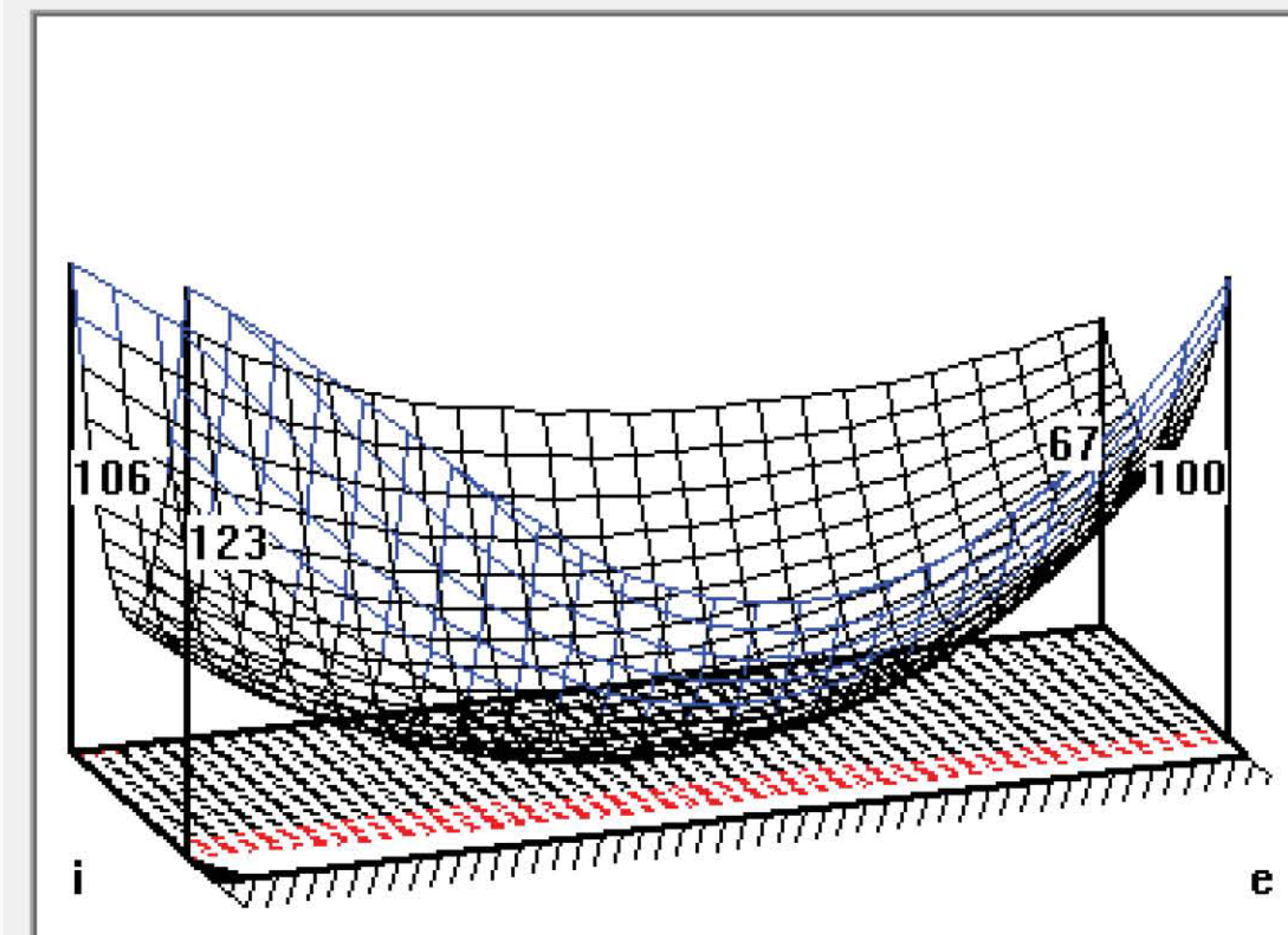
# EASE OFF

Drive (Optimization of Concave Pinion Flank)



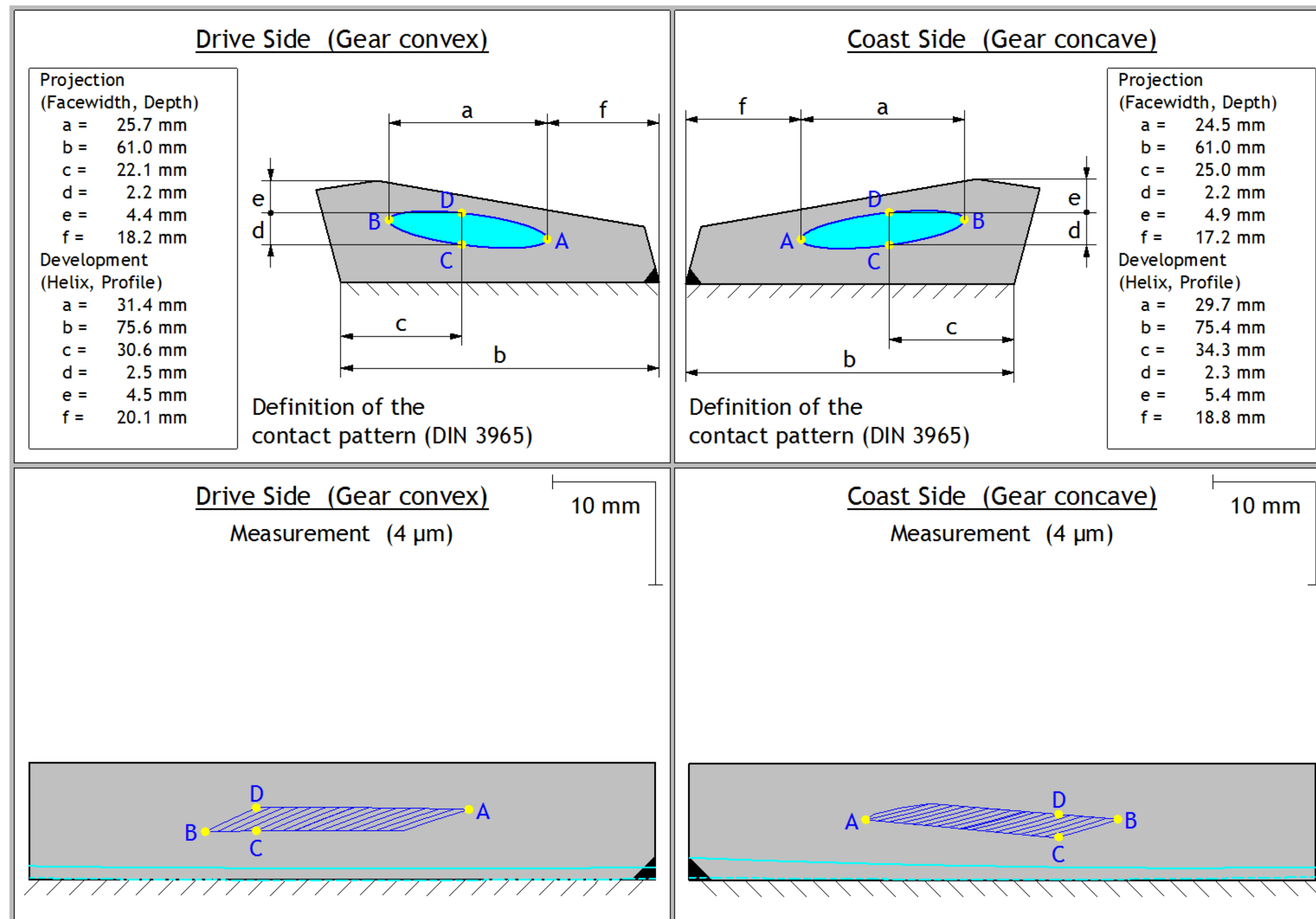
dB Spiral Angle Diff. [Deg.]	-0.0244
d α Pressure Angle Diff. [Deg.]	-0.2061
LB Lengthwise Crowning [μm]	61.7
HB Profile Crowning [μm]	50.9
dv Longitudinal Twist [Deg.]	-0.6918

Coast (Optimization of Convex Pinion Flank)



dB Spiral Angle Diff. [Deg.]	-0.0007
d α Pressure Angle Diff. [Deg.]	-0.0168
LB Lengthwise Crowning [μm]	41.1
HB Profile Crowning [μm]	50.5
dv Longitudinal Twist [Deg.]	0.1747

# CONTACT PATTERN ANALYSIS



# GRINDING

KLINGELNBERG HYPOID - GEAR GRINDING			
Axis angle	Sigma	°	90
Offset (center distance)	a	mm	+30
Hand of gear			Right
Number of teeth	z		49
Theoretical facewidth	b	mm	61
Reference diameter Middle	d <sub>m</sub>	mm	301.045
Reference diameter Outside	d <sub>o</sub>	mm	360.0017
Normal module in the middle	m <sub>mn</sub>	mm	5.0327
Helix angle in the middle	bet <sub>m</sub>	°	35
Cone angle	delta	°	75.1267
Medium normal pressure angle	alfa	°	20
Angle modification	thek	°	0
Tooth height	H	mm	11.3236
Addendum Reference profile	h <sub>ap</sub>	module	1
Dedendum Reference profile	h <sub>fp</sub>	module	1.25
Root radius factor	rho <sub>fp</sub>	module	0.3
Profile shift coefficient	x <sub>hm</sub>		-0.45
Tooth thickness modification factor	x <sub>sm</sub>		-0.006
Length of reference cone outside	R <sub>e</sub>	mm	186.24
Length of reference cone middle	R <sub>m</sub>	mm	155.7407
Length of reference cone inside	R <sub>i</sub>	mm	125.24
Tooth quality			6 as per DIN 3965
Machining process			GRINDING
TOOL			
Cutter radius	R	mm	100
Cutter module	m <sub>o</sub>	mm	5
Number of cutter blade groups	Z <sub>o</sub>		5
BACKLASH			
Mean Transverse Backlash	j <sub>mt</sub>	mm	0.2255
Outer Normal Backlash (Tip)	j <sub>ne</sub>	mm	0.1670

Case GRINDING mark: GroupA1/GroupA2/GroupB1/GroupB2/GroupB3/SC  
 Caso RECTIFICADO marcar: GrupoA1/GrupoA2/GrupoB1/GrupoB2/GrupoB3/SC

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 -General roughness Ra=6.3  
 Unless otherwise specified, tolerances according to ISO 2768 -mK

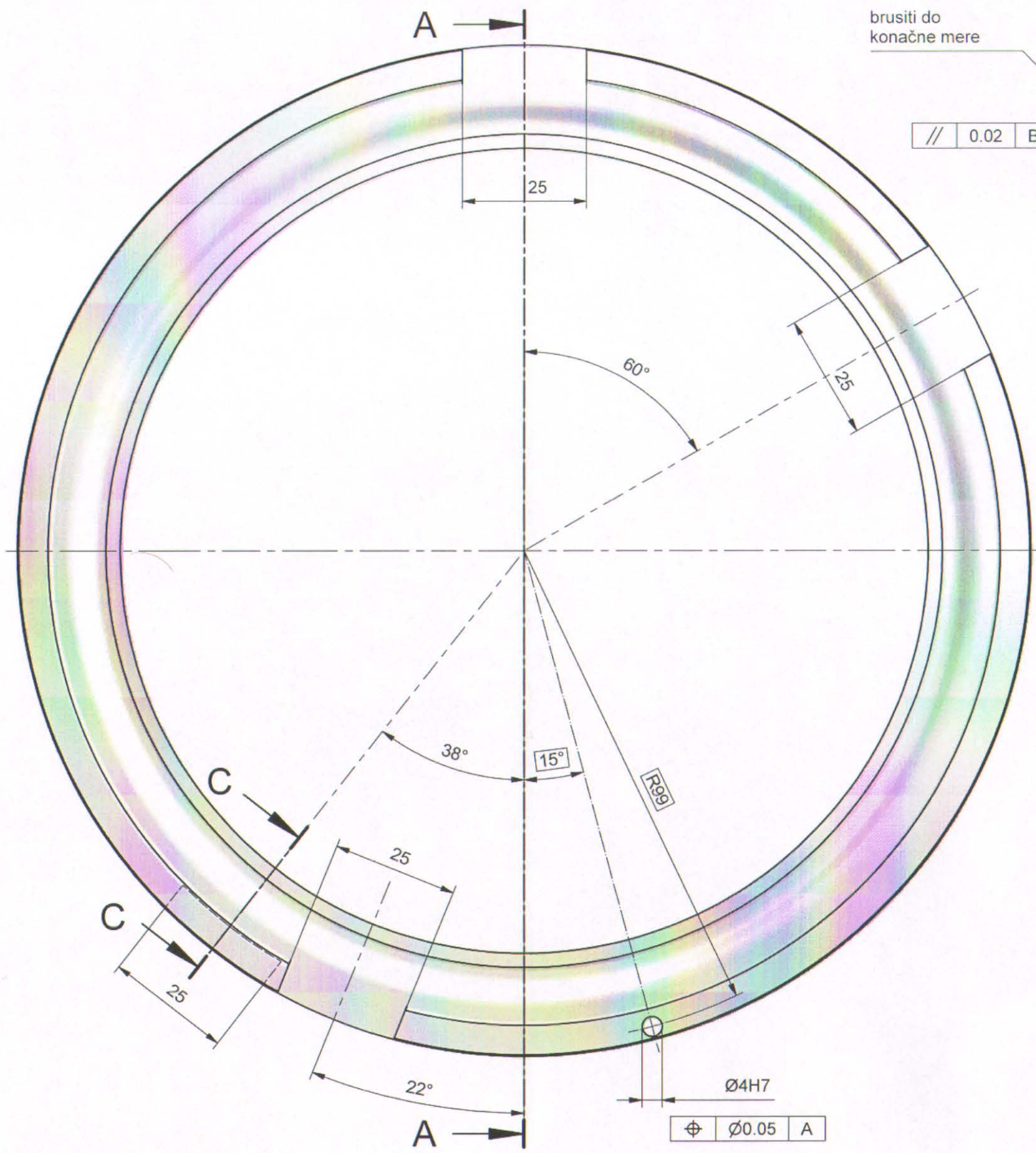
01	ENGRANAJE CONICO	1	18CrNiMo7-6	EN 10084	4	17.9
MARCA	DESCRIPCION	CANT.	CODIFICACION O NORMA	MATERIAL O REFERENCIA	PESO UNITARIO	(mm) DIMENSIONES
			Nº DIBUJO O CALIDAD MATERIAL:		NOTAS Y OBSERVACIONES	
MODIFICACIONES						
COMPR	FECHA	NOMBRES	metro Málaga PLANO N°			
VERIFIC			SUSTITUYE A:			
HOMOL			HOJA N° 2 Nº DE HOJAS 2			
FOL. GEN	ESCALA		DESIGNACION: ENGRANAJE CONICO			
	1/1		ENTIDAD: CAF			
DIBUJO	09-01-08	MP	REFERENCIA: X.44.01902			
VERIFIC	09-01-08	10535	EDICION F			
SUSTITUYE A:						



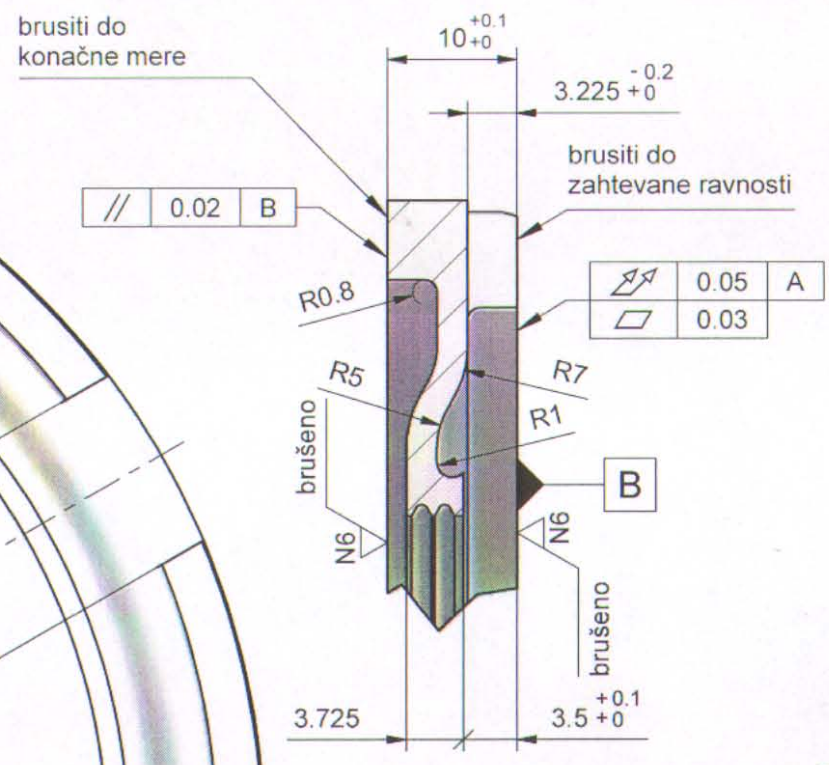
Potpis  
Odobrio  
Potpis  
Izmenio  
Izmena  
Prvobitno  
Dopis br.  
Datum  
NO.

Ø4H7  
+0.012  
0

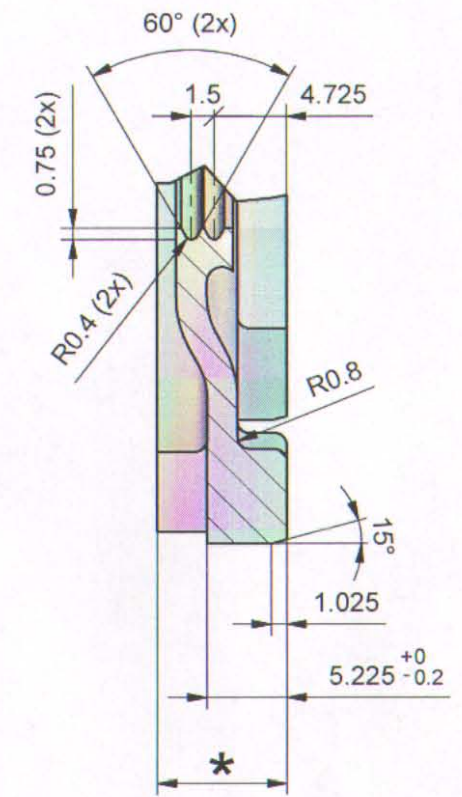
Crtež izrađen prema originalnom crežu br. X.44.01620 dostavljenom iz SP „Centrala“ (dopis br. 2428 od 07.11.2016.)



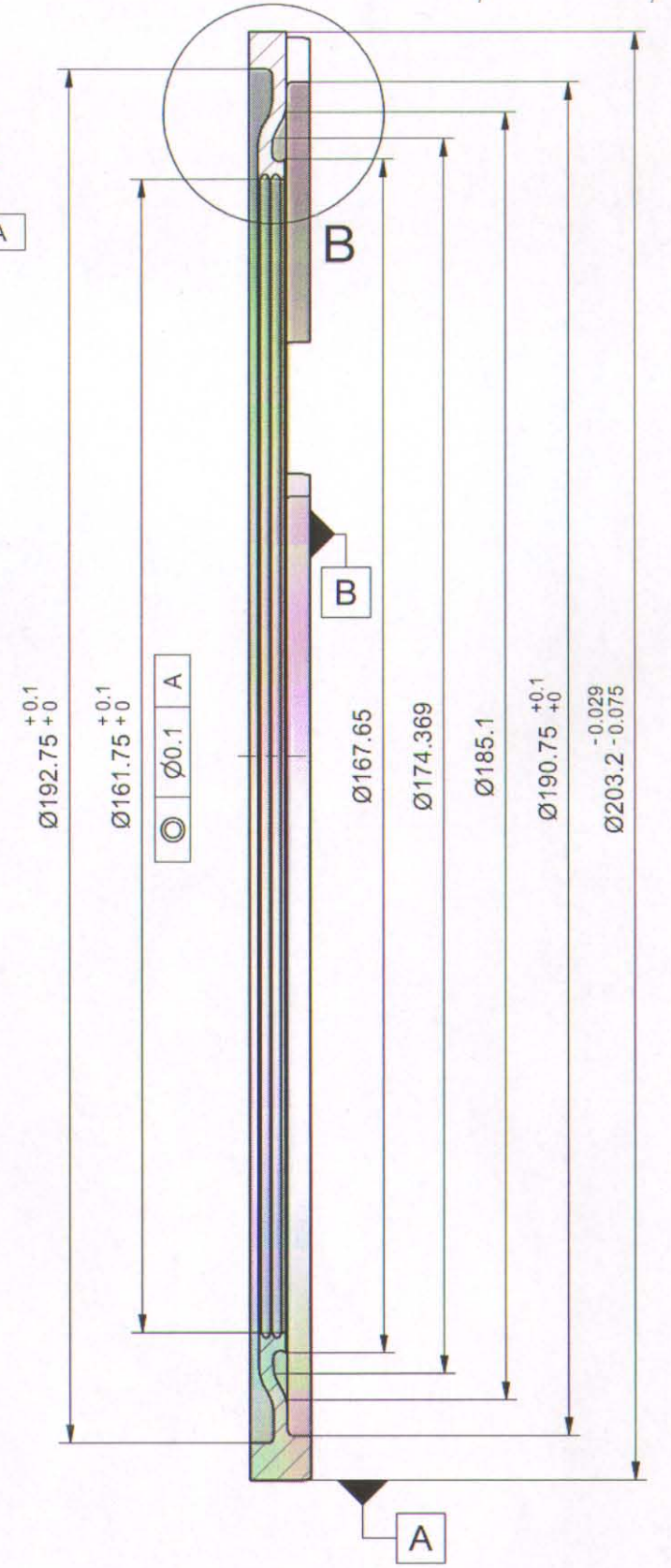
Detalj B ( 2 : 1 )



Presek C-C  
zarotiran za 38°  
( 2 : 1 )



Presek A-A ( 1 : 1 )



GSP: 8 030 111 01

NAPOMENA:  
- Sve nekotirane oštre ivice obriti sa 0.5/45°.  
\* Debljinu odrediti i obraditi na konačnu meru brušenjem prilikom sklapanja reduktora.

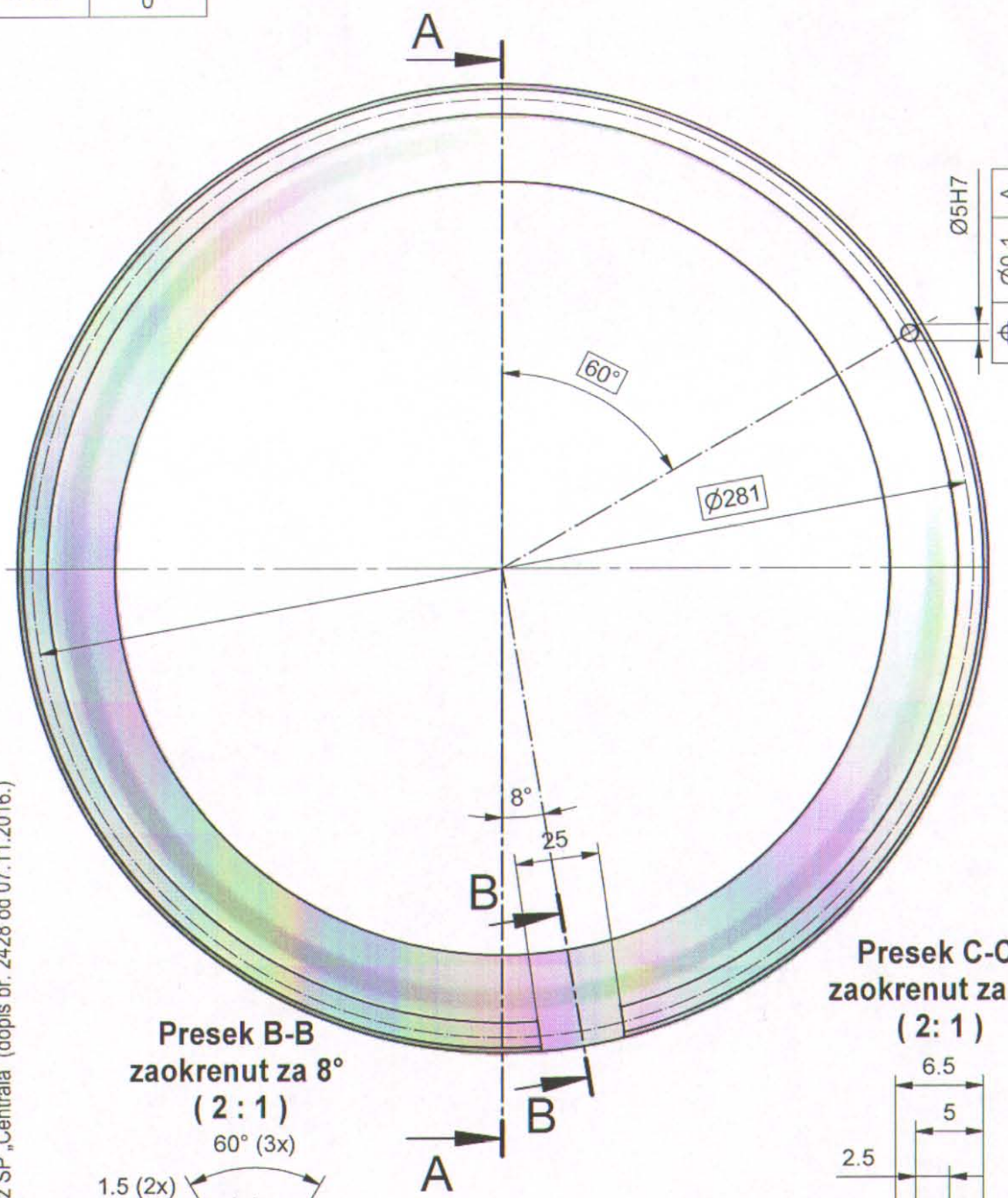
09	004	NAZIV DETALJA - SKLOPA	Standard	C45E (Č.1531)	#10x206x206	1	
Montaž	Detalj	Kućišta diferen. sa mehan i elem.		Materijal	Dimenzije	Kom.	Masa (kg)
Veza sa		PRSTEN Ø162/203	<b>T-02-DS</b>		<b>GSP "BEOGRAD"</b>		
		UNUTRAŠNJI LAVIRINTSKI	Snimio-konst.		M. Pejović sp. str. maš. ing		
		REDUKTORA CAF MANJI	Crtao		M. Pejović sp. str. maš. ing		
		(DVA ŽLEBA)	Pregledao	Novembar 2016.	A. Matović dipl. maš. ing		
			Overava		A. Matović dipl. maš. ing		



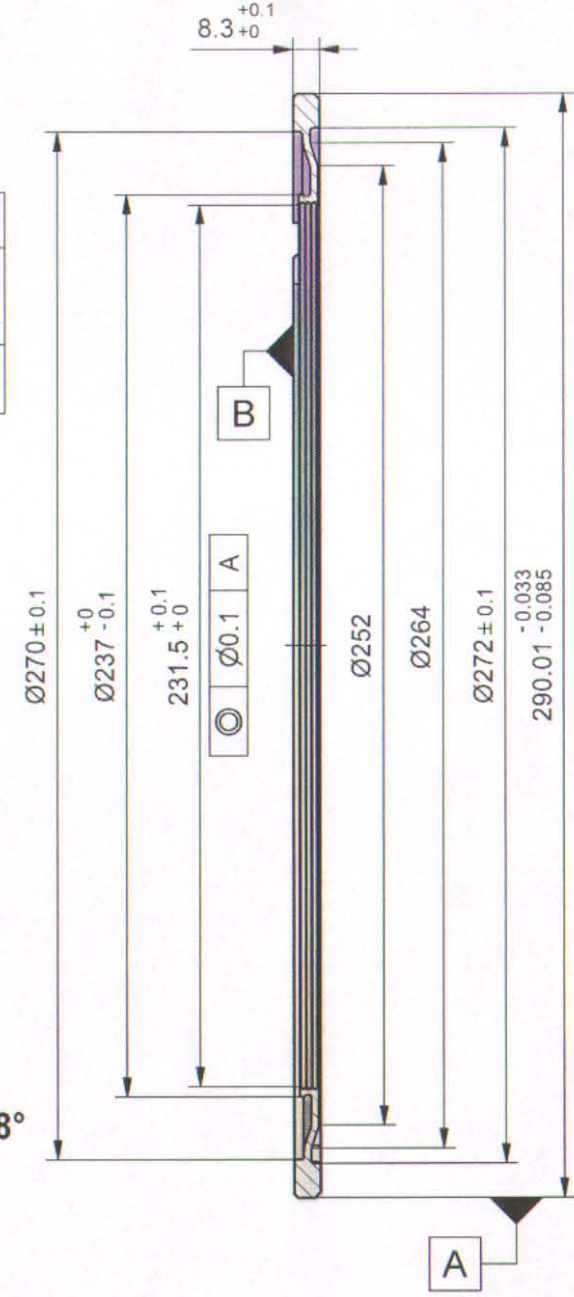
NO. Datum Dopis br. Prvobitno Izmena Izmenio Potpis Odobrio Potpis

Ø5H7	+0.012
	0

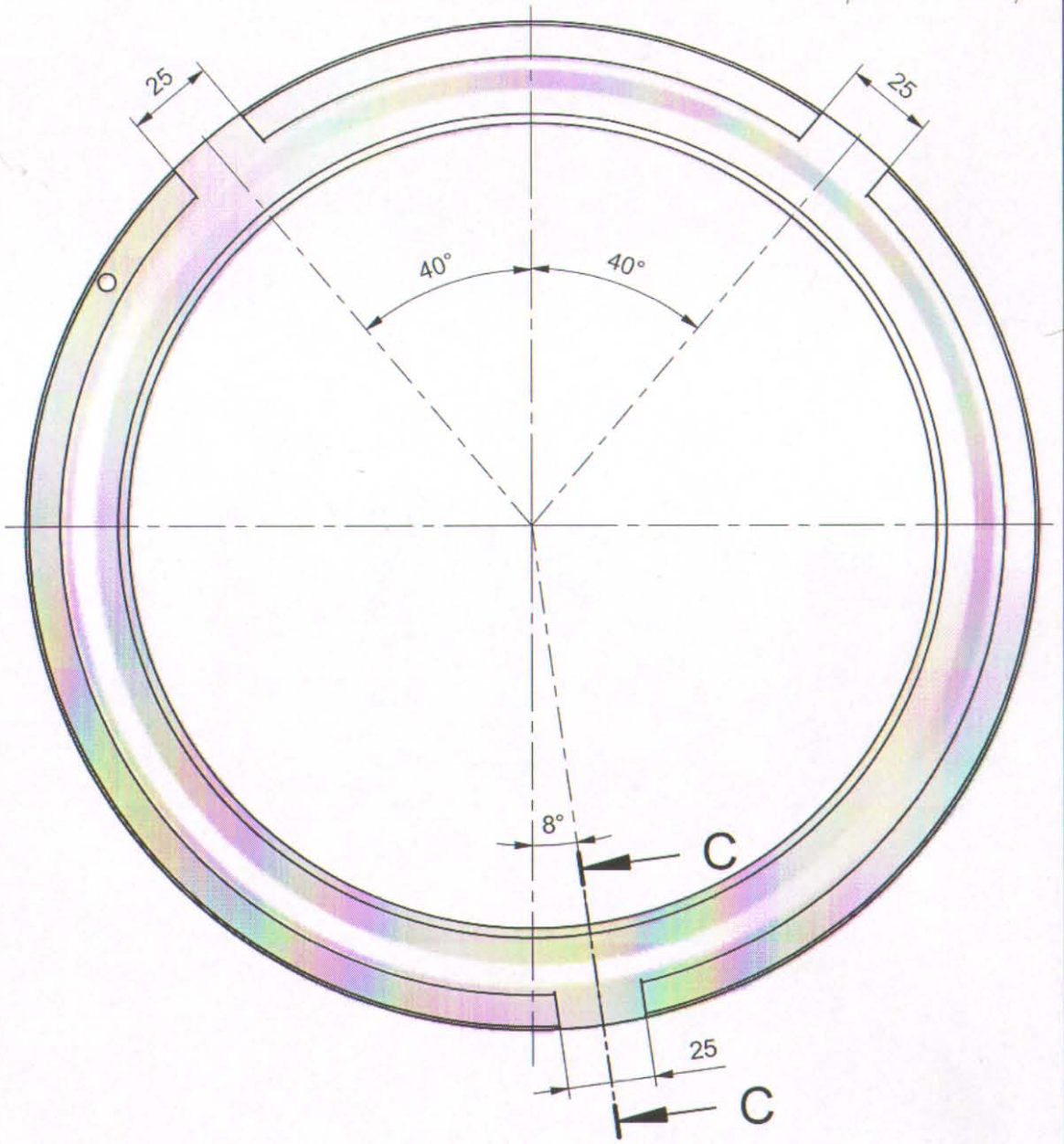
Crtež izrađen prema originalnom crežu br. X.44.01616 dostavljnom iz SP „Centrala“ (dopis br. 2428 od 07.11.2016.)



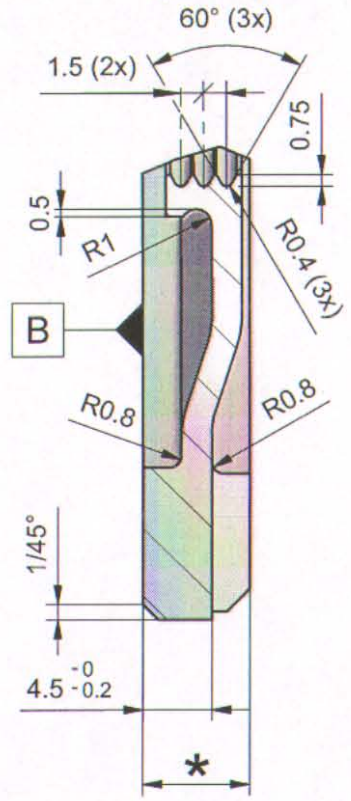
Presek A-A (1:2)



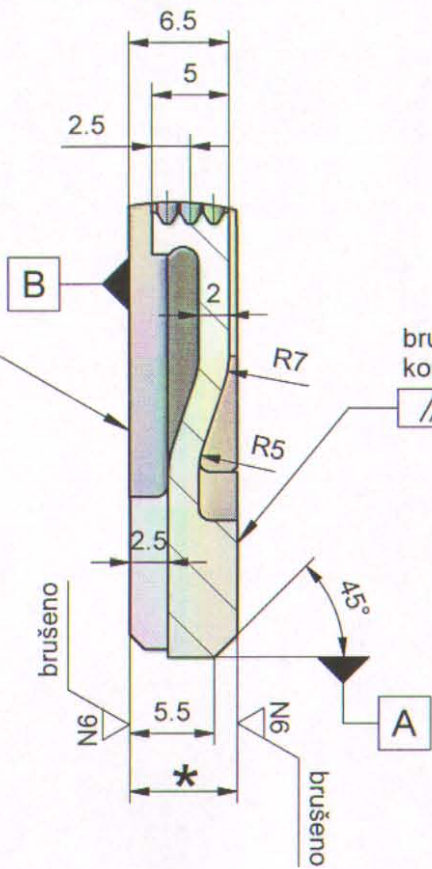
N8 / N6 brušeno



Presek B-B zaokrenut za 8° (2:1)



Presek C-C zaokrenut za 8° (2:1)



brusiti do zahtevane ravnosti

	0.05	A
	0.03	

brusiti do konačne mere

	0.02	B
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NAPOMENA:

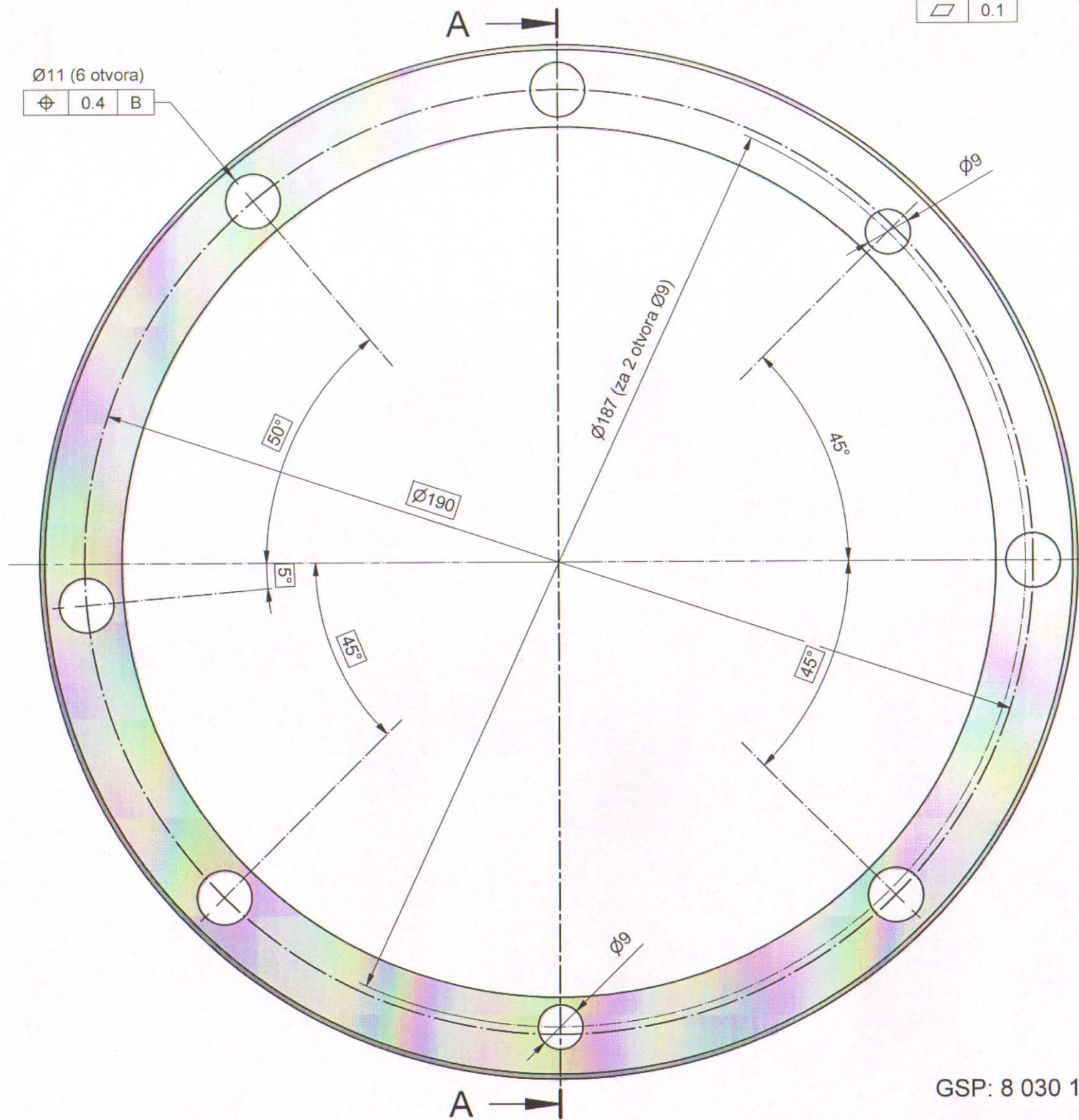
- Sve nekotirane oštre ivice obraditi sa 0.5/45°.
- \* Debljinu odrediti i obraditi na konačnu meru brušenjem prilikom sklapanja reduktora.

GSP: 8 030 103 01

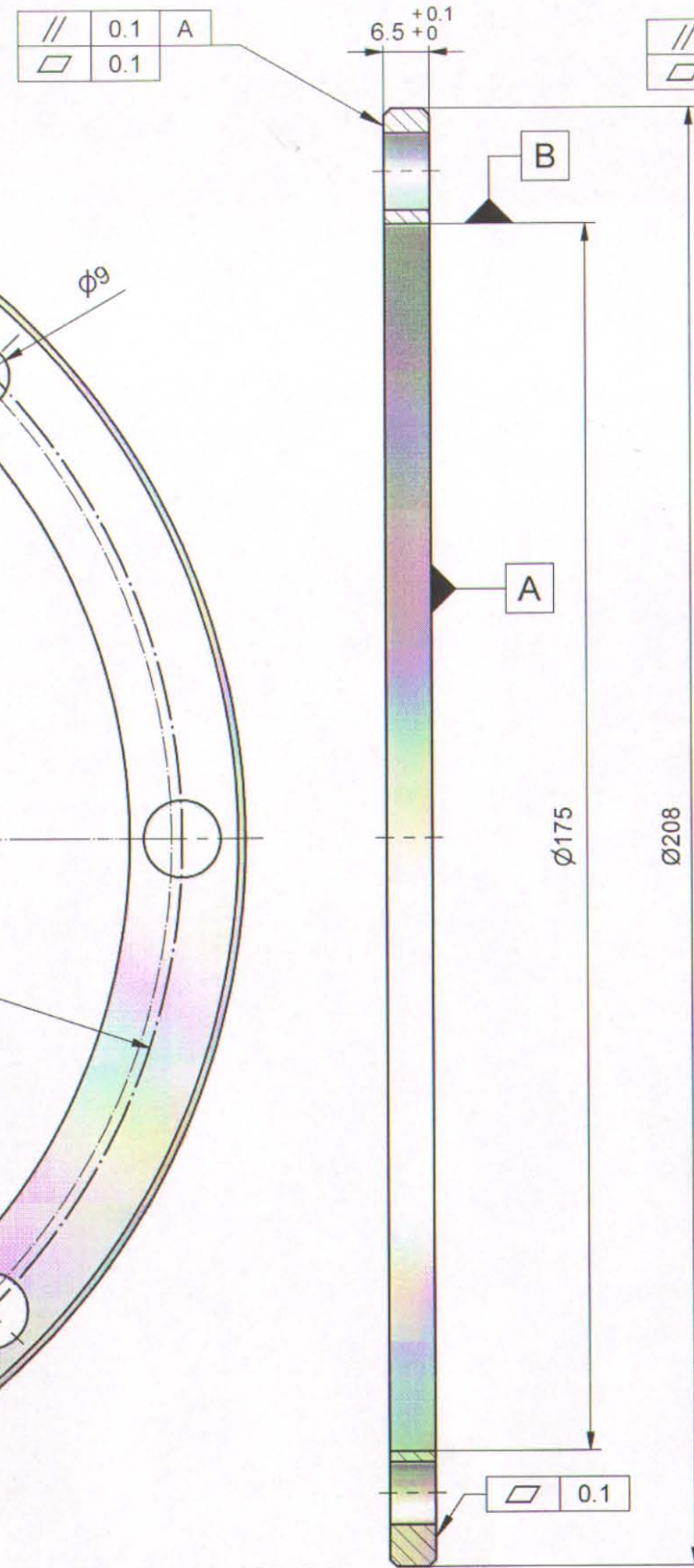
09	005	NAZIV DETALJA - SKLOPA	Standard	C45E (Č.1531)	#8.5x295x295	1	
Montaž	Detalj	Kućišta diferen. sa mehan i elem.		Materijal	Dimenzije	Kom.	Masa (kg)
Veza sa		PRSTEN Ø231/290		<b>T-02-DS</b>	<b>GSP "BEOGRAD"</b>		
R	1:2	UNUTAŠNJI LAVIRINTSKI		Snimio-konst.	M. Pejović sp. str. maš. ing		
	2:1	REDUKTORA CAF VEĆI		Crtao	M. Pejović sp. str. maš. ing		
		(3 ŽLEBA)		Pregledao	A. Matović dipl. maš. ing		
				Overava	A. Matović dipl. maš. ing		
					Novembar 2016.		



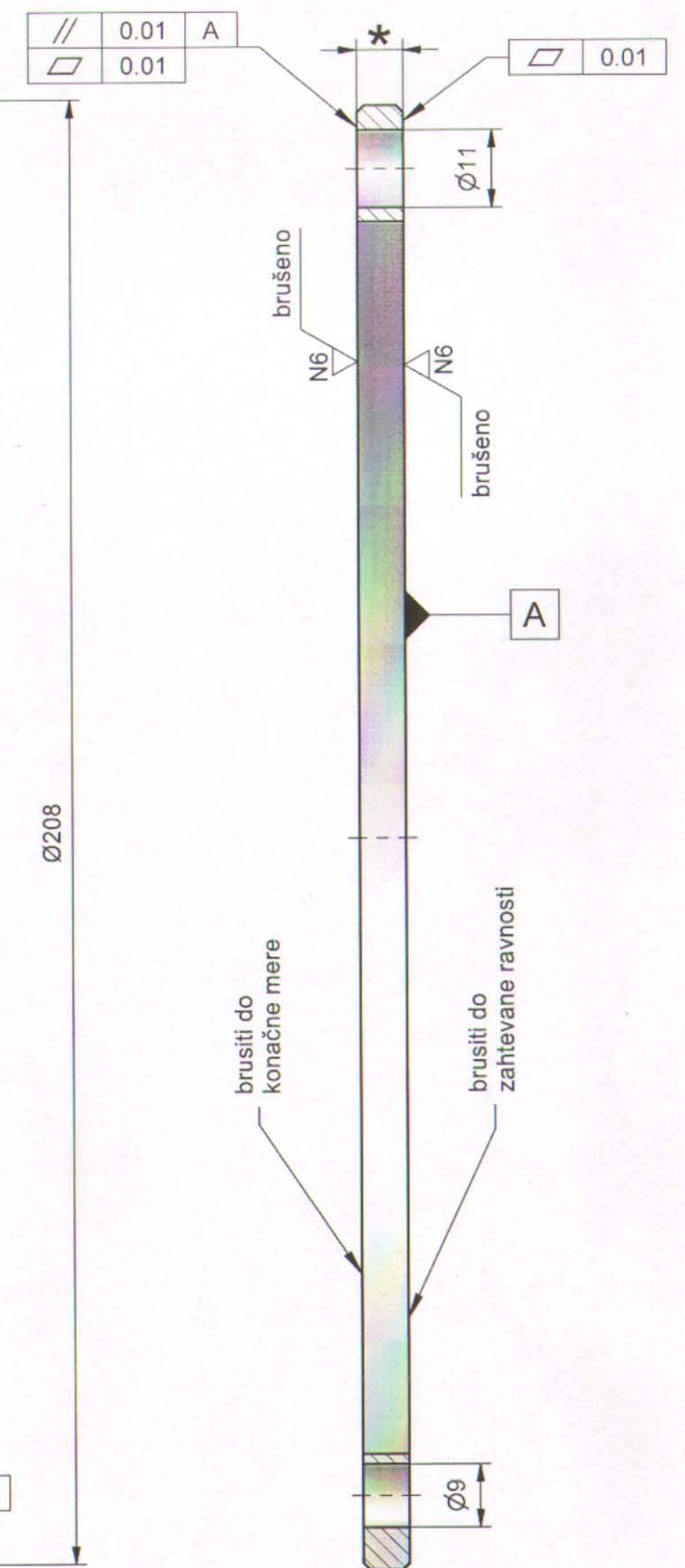
Crtež izrađen prema originalnom crtežu br. X.44.01610 dostavljenom iz SP „Centrala“ (dopis br. 2428 od 07.11.2016.)



Presek A-A (1:1)



Presek A-A (1:1)



GSP: 8 030 120 01

**NAPOMENA:**

- \* Debljinu odrediti i obraditi na konačnu meru brušenjem prilikom sklapanja reduktora.
- Oštre ivice na prečniku Ø208 oboriti sa 1/45°.
- Sve ostale oštre ivice oboriti sa 0.5/45°.

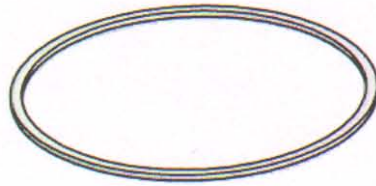
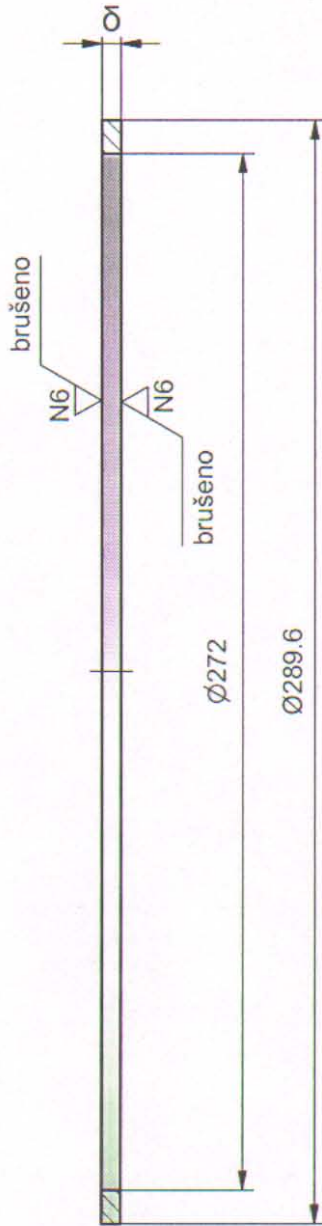
09	003	NAZIV DETALJA - SKLOPA	Standard	C45E (Č.1531)	#7x210x210	1	
Montaž	Detalj	Kućišta diferen. sa mehan i elem.		Materijal	Dimenzije	Kom.	Masa (kg)
Veza sa		PODMETAČ ČEONI Ø175/208					
R	1:1	KONUSNOG ZUPČANIK					
		REDUKTORA CAF					
			Snimio-konst.				
			Crtao				
			Pregledao				
			Overava				
				Novembar 2016.			
					M. Pejović sp. str. maš. ing		
					M. Pejović sp. str. maš. ing		
					A. Matović dipl. maš. ing		
					A. Matović dipl. maš. ing		



N8 / N6 / brušeno

No.	Datum	Dopis br.	Prvobitno	Izmjena	Izmenio	Potpis	Odobrio	Potpis
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Crtež izrađen na zahtev SP „Centrala“ (dopis br. 2587 od 28.11.2016.)



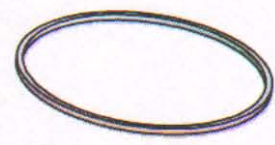
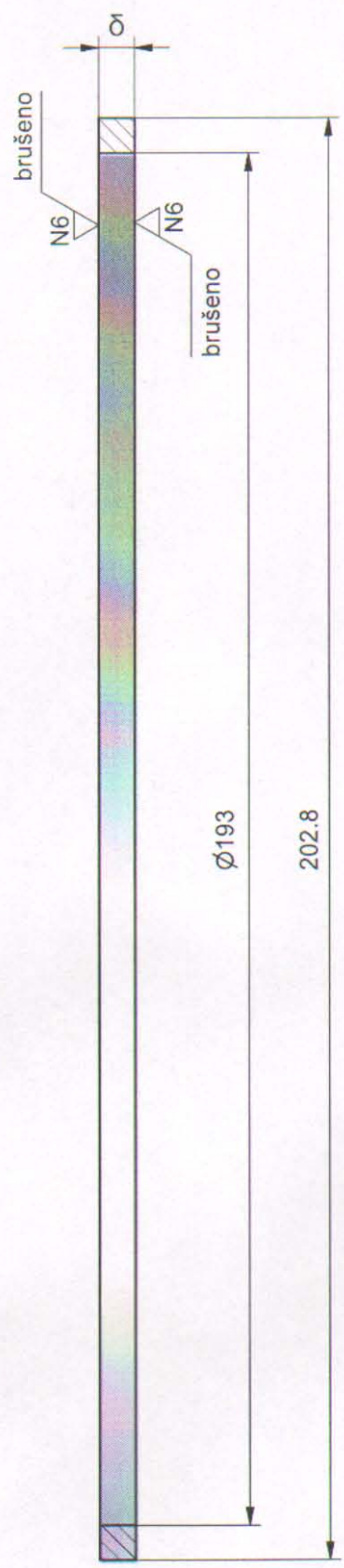
ŠIFRA GSP	$\delta$ [mm]	TOLERANCIJA	* MATERIJAL
803015401	5	$\pm 0.03$	S355/S235
803016201	2	$\pm 0.03$	S355/S235
803017001	1	$\pm 0.02$	DC01/DC03
803018901	0.50	$\pm 0.02$	DC01/DC03
803019701	0.35	$\pm 0.02$	TH/TS (SRPS EN 10202)
803020001	0.30	$\pm 0.02$	TH/TS (SRPS EN 10202)
803021901	0.25	$\pm 0.01$	TH/TS (SRPS EN 10202)
803022701	0.20	$\pm 0.01$	TH/TS (SRPS EN 10202)
803023501	0.15	$\pm 0.01$	TH/TS (SRPS EN 10202)

09	001	NAZIV DETALJA - SKLOPA	Standard	*	$\varnothing 289.6 \times \delta$	1	
Montaž	Detalj	KUĆ. DIF. SA ELEK. I MEHAN.	T-02-DS		Dimenzije	Kom.	Masa (kg)
Veza sa		BOČNI PODMETAČ	GSP "BEOGRAD"				
R	1:2	$\varnothing 289.6/272 \times \delta$	Snimio-konst.	Novembar 2016.	M. Pejović sp. str. maš. ing		
		REDUKTORA - VEĆI	Crtao		A. Matović dipl. maš. ing		
			Pregledao		A. Matović dipl. maš. ing		
			Overava				

N8 / N6 / brušeno

No.	Datum	Dopis br.	Prvobitno	Izmena	Izmenio	Potpis	Odobrio	Potpis
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Crtež izrađen na zahtev SP „Centrala“ (dopis br. 2587 od 28.11.2016.)



ŠIFRA GSP	δ [mm]	TOLERANCIJA	* MATERIJAL
803024301	5	±0.03	S355/S235
803025101	2	±0.03	S355/S235
803026001	1	±0.02	DC01/DC03
803027801	0.50	±0.02	DC01/DC03
803028601	0.35	±0.02	TH/TS (SRPS EN 10202)
803029401	0.30	±0.02	TH/TS (SRPS EN 10202)
803030801	0.25	±0.01	TH/TS (SRPS EN 10202)
803031601	0.20	±0.01	TH/TS (SRPS EN 10202)
803032401	0.15	±0.01	TH/TS (SRPS EN 10202)

09	002	NAZIV DETALJA - SKLOPA	Standard	* Materijal	Ø202.8xδ	1	Masa (kg)
Montaž	Detalj	KUĆ. DIF. SA ELEK. I MEHAN.	T-02-DS		GSP "BEOGRAD"		
Veza sa	BOČNI PODMETAČ Ø202.8/193xδ REDUKTORA - MANJI		Snimio-konst.	Novembar 2016.			
R 1:1			Crtao		M. Pejović sp. str. maš. ing		UP duma.
			Pregledao		A. Matović dipl. maš. ing		
			Overava		A. Matović dipl. maš. ing		