

312220



Part Submission Warrant

Part Name	Speed Gear SR1	Customer Part Number	250.1.4378.75
Shown on Drawing No.	250.1.4378.75	Organization Part #	
Engineering Change Level	a C000357-CP-12	Dated	07-mag-15
Additional Engineering Changes		Dated	
Safety and/or Government Regulation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Purchase Order No.	
Weight (kg)			1.5150
Checking Aid No.		Checking Aid Engineering Change Level	
Dated			

ORGANIZATION MANUFACTURING INFORMATION

CUSTOMER SUBMITTAL INFORMATION

GETRAG MODUGNO

Organization Name & Supplier/Vendor Code

VIA DEI CICLAMINI N°4

Street Address

MODUGNO BARI	70026	ITALY
City	Region	Postal Code
		Country

Customer Name/Division

Buyer/Buyer Code

TYP 250

Application

MATERIALS REPORTING

Has customer-required Substances of Concern information been reported? Yes No n/a

Submitted by IMDS or other customer format:

Are polymeric parts identified with appropriate ISO marking codes? Yes No n/a

REASON FOR SUBMISSION (Check at least one)

<input checked="" type="checkbox"/> Initial Submission	<input type="checkbox"/> Change to Optional Construction or Material
<input type="checkbox"/> Engineering Change(s)	<input type="checkbox"/> Supplier or Material Source Change
<input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional	<input type="checkbox"/> Change in Part Processing
<input type="checkbox"/> Correction of Discrepancy	<input type="checkbox"/> Parts Produced at Additional Location
<input type="checkbox"/> Tooling Inactive > than 1 year	<input type="checkbox"/> Other - please specify below

REQUESTED SUBMISSION LEVEL (Check one)

Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.

Level 2 - Warrant with product samples and limited supporting data submitted to customer.

Level 3 - Warrant with product samples and complete supporting data submitted to customer.

Level 4 - Warrant and other requirements as defined by customer.

Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.

SUBMISSION RESULTS

The results for dimensional measurements material and functional tests appearance criteria statistical process package

These results meet all drawing and specification requirements: Yes NO (If "NO" - Explanation Required)

Mold / Cavity / Production Process

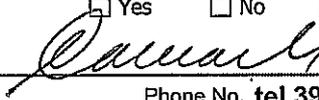
DECLARATION

I hereby affirm that the samples represented by this warrant are representative of our parts which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of _____ / _____ hours. I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from this declaration below.

EXPLANATION / COMMENTS: **First Submission PPAP for code 250 1 4378 75 (PPAP for different respect to 250 1 4308 76)**

New kk: 055.8.5463.00- Turning direction as described in the drawing

Is each Customer Tool properly tagged and numbered? Yes No n/a

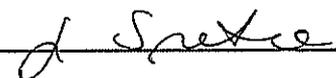
Organization Authorized Signature  Date **15/12/2015**

Print Name **Camarda Ettore** Phone No. **tel 390805858580** Fax No.

Title **GPS Leader** E-mail **ettore.camarda@getrag.com**

FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: Approved Rejected Other

Customer Signature  Date **15-12-15**

Print Name _____ Customer Tracking Number (optional) _____



Part Submission Warrant

Part Name	Speed Gear SR1	Customer Part Number	250.1.4380.75
Shown on Drawing No.	250.1.4380.75	Organization Part #	
Engineering Change Level	- C000357-CP-12	Dated	07-mag-15
Additional Engineering Changes		Dated	
Safety and/or Government Regulation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Purchase Order No.	
Weight (kg)			1.6290
Checking Aid No.		Checking Aid Engineering Change Level	
		Dated	

ORGANIZATION MANUFACTURING INFORMATION

CUSTOMER SUBMITTAL INFORMATION

GETRAG MODUGNO

Organization Name & Supplier/Vendor Code

VIA DEI CICLAMINI N°4

Street Address

MODUGNO BARI	70026	ITALY
City	Region	Postal Code
		Country

Customer Name/Division

Buyer/Buyer Code

TYP 250

Application

MATERIALS REPORTING

Has customer-required Substances of Concern information been reported?
Submitted by IMDS or other customer format: Yes No n/a

Are polymeric parts identified with appropriate ISO marking codes? Yes No n/a

REASON FOR SUBMISSION (Check at least one)

<input checked="" type="checkbox"/> Initial Submission	<input type="checkbox"/> Change to Optional Construction or Material
<input type="checkbox"/> Engineering Change(s)	<input type="checkbox"/> Supplier or Material Source Change
<input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional	<input type="checkbox"/> Change in Part Processing
<input type="checkbox"/> Correction of Discrepancy	<input type="checkbox"/> Parts Produced at Additional Location
<input type="checkbox"/> Tooling Inactive > than 1 year	<input type="checkbox"/> Other - please specify below

REQUESTED SUBMISSION LEVEL (Check one)

Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.

Level 2 - Warrant with product samples and limited supporting data submitted to customer.

Level 3 - Warrant with product samples and complete supporting data submitted to customer.

Level 4 - Warrant and other requirements as defined by customer.

Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.

SUBMISSION RESULTS

The results for dimensional measurements material and functional tests appearance criteria statistical process package

These results meet all drawing and specification requirements: Yes NO (If "NO" - Explanation Required)

Mold / Cavity / Production Process _____

DECLARATION

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EXPLANATION / COMMENTS: **First Submission PPAP for code 250 1 4380 75 (PPAP for different respect to 250 1 4216 70)**
New kk: 055.8.5463.00- Turning direction as described in the drawing

Is each Customer Tool properly tagged and numbered? Yes No n/a

Organization Authorized Signature *Camarda* Date **15/12/2015**

Print Name **Camarda Ettore** Phone No. **tel 390805858580** Fax No. _____

Title **GPS Leader** E-mail **ettore.camarda@getrag.com**

FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: Approved Rejected Other

Customer Signature *J. Smetace* Date **15.12.2015**

Print Name _____ Customer Tracking Number (optional) _____

Part Name Speed Gear SR1		Customer Part Number 250.1.4381.75	
Shown on Drawing No. 250.1.4381.75		Organization Part # _____	
Engineering Change Level - C357-CP-12		Dated 07-mag-15	
Additional Engineering Changes _____		Dated _____	
Safety and/or Government Regulation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Purchase Order No. _____	Weight (kg) 1.6290	
Checking Aid No. _____	Checking Aid Engineering Change Level _____	Dated _____	

ORGANIZATION MANUFACTURING INFORMATION

CUSTOMER SUBMITTAL INFORMATION

GETRAG MODUGNO

Organization Name & Supplier/Vendor Code
VIA DEI CICLAMINI N°4
 Street Address
MODUGNO BARI 70026 ITALY
 City Region Postal Code Country

Customer Name/Division
 Buyer/Buyer Code
TYP 250
 Application

MATERIALS REPORTING

Has customer-required Substances of Concern information been reported? Yes No n/a
 Submitted by IMDS or other customer format: _____

Are polymeric parts identified with appropriate ISO marking codes? Yes No n/a

REASON FOR SUBMISSION (Check at least one)

<input checked="" type="checkbox"/> Initial Submission	<input type="checkbox"/> Change to Optional Construction or Material
<input type="checkbox"/> Engineering Change(s)	<input type="checkbox"/> Supplier or Material Source Change
<input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional	<input type="checkbox"/> Change in Part Processing
<input type="checkbox"/> Correction of Discrepancy	<input type="checkbox"/> Parts Produced at Additional Location
<input type="checkbox"/> Tooling Inactive > than 1 year	<input type="checkbox"/> Other - please specify below

REQUESTED SUBMISSION LEVEL (Check one)

Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.
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 Level 3 - Warrant with product samples and complete supporting data submitted to customer.
 Level 4 - Warrant and other requirements as defined by customer.
 Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.

SUBMISSION RESULTS

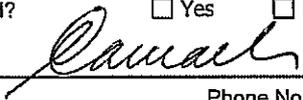
The results for dimensional measurements material and functional tests appearance criteria statistical process package
 These results meet all drawing and specification requirements: Yes NO (If "NO" - Explanation Required)
 Mold / Cavity / Production Process _____

DECLARATION

I hereby affirm that the samples represented by this warrant are representative of our parts which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of _____ / _____ hours. I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from this declaration below.

EXPLANATION / COMMENTS: **First Submission PPAP for code 250 1 4381 75 (PPAP for different respect to 250 1 4216 72)**
New kk: 055.8.5463.00- Turning direction as described in the drawing

Is each Customer Tool properly tagged and numbered? Yes No n/a

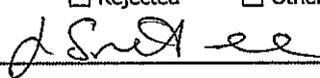
Organization Authorized Signature  Date **15/12/2015**

Print Name **Camarda Ettore** Phone No. **tel 390805858580** Fax No. _____

Title **GPS Leader** E-mail **ettore.camarda@getrag.com**

FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: Approved Rejected Other

Customer Signature  Date **15/12/2015**

Print Name _____ Customer Tracking Number (optional) _____

Part Name Speed Gear SR1		Customer Part Number 250.1.5203.75	
Shown on Drawing No. 250.1.5203.75		Organization Part # _____	
Engineering Change Level a C357-CP-12		Dated 07-mag-15	
Additional Engineering Changes _____		Dated _____	
Safety and/or Government Regulation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Purchase Order No. _____	Weight (kg) 1.3950	
Checking Aid No. _____	Checking Aid Engineering Change Level _____	Dated _____	

ORGANIZATION MANUFACTURING INFORMATION

CUSTOMER SUBMITTAL INFORMATION

GETRAG MODUGNO

Organization Name & Supplier/Vendor Code
VIA DEI CICLAMINI N°4

Street Address
MODUGNO BARI 70026 ITALY

City	Region	Postal Code	Country

Customer Name/Division

Buyer/Buyer Code
TYP 250

Application

MATERIALS REPORTING

Has customer-required Substances of Concern information been reported? Yes No n/a
 Submitted by IMDS or other customer format: _____

Are polymeric parts identified with appropriate ISO marking codes? Yes No n/a

REASON FOR SUBMISSION (Check at least one)

<input checked="" type="checkbox"/> Initial Submission	<input type="checkbox"/> Change to Optional Construction or Material
<input type="checkbox"/> Engineering Change(s)	<input type="checkbox"/> Supplier or Material Source Change
<input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional	<input type="checkbox"/> Change in Part Processing
<input type="checkbox"/> Correction of Discrepancy	<input type="checkbox"/> Parts Produced at Additional Location
<input type="checkbox"/> Tooling Inactive > than 1 year	<input type="checkbox"/> Other - please specify below

REQUESTED SUBMISSION LEVEL (Check one)

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Level 4 - Warrant and other requirements as defined by customer.

Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.

SUBMISSION RESULTS

The results for dimensional measurements material and functional tests appearance criteria statistical process package

These results meet all drawing and specification requirements: Yes NO (If "NO" - Explanation Required)

Mold / Cavity / Production Process _____

DECLARATION

I hereby affirm that the samples represented by this warrant are representative of our parts which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of _____ / _____ hours. I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from this declaration below.

EXPLANATION / COMMENTS: **First Submission PPAP for code 250 1 5203 75 (PPAP for different respect to 250 1 5188 76)**
New kk: 055.8.5463.00- Turning direction as described in the drawing

Is each Customer Tool properly tagged and numbered? Yes No n/a

Organization Authorized Signature Date **15/12/2015**

Print Name **Camarda Ettore** Phone No. **tel 390805858580** Fax No. _____

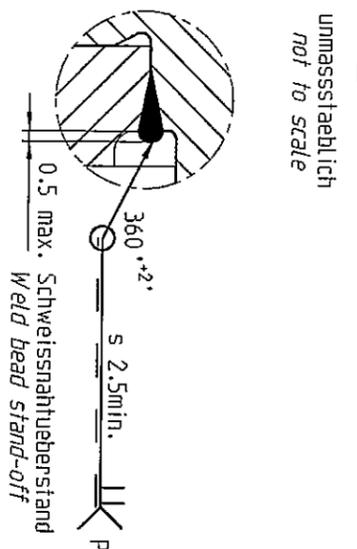
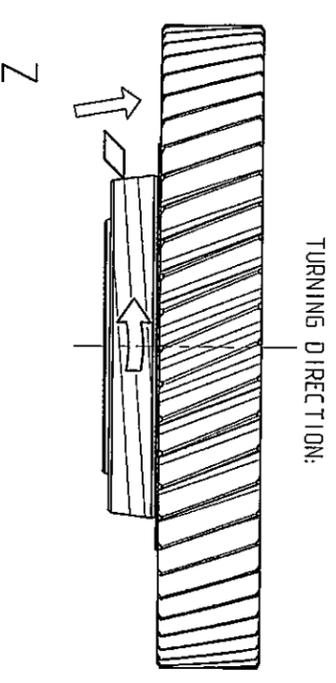
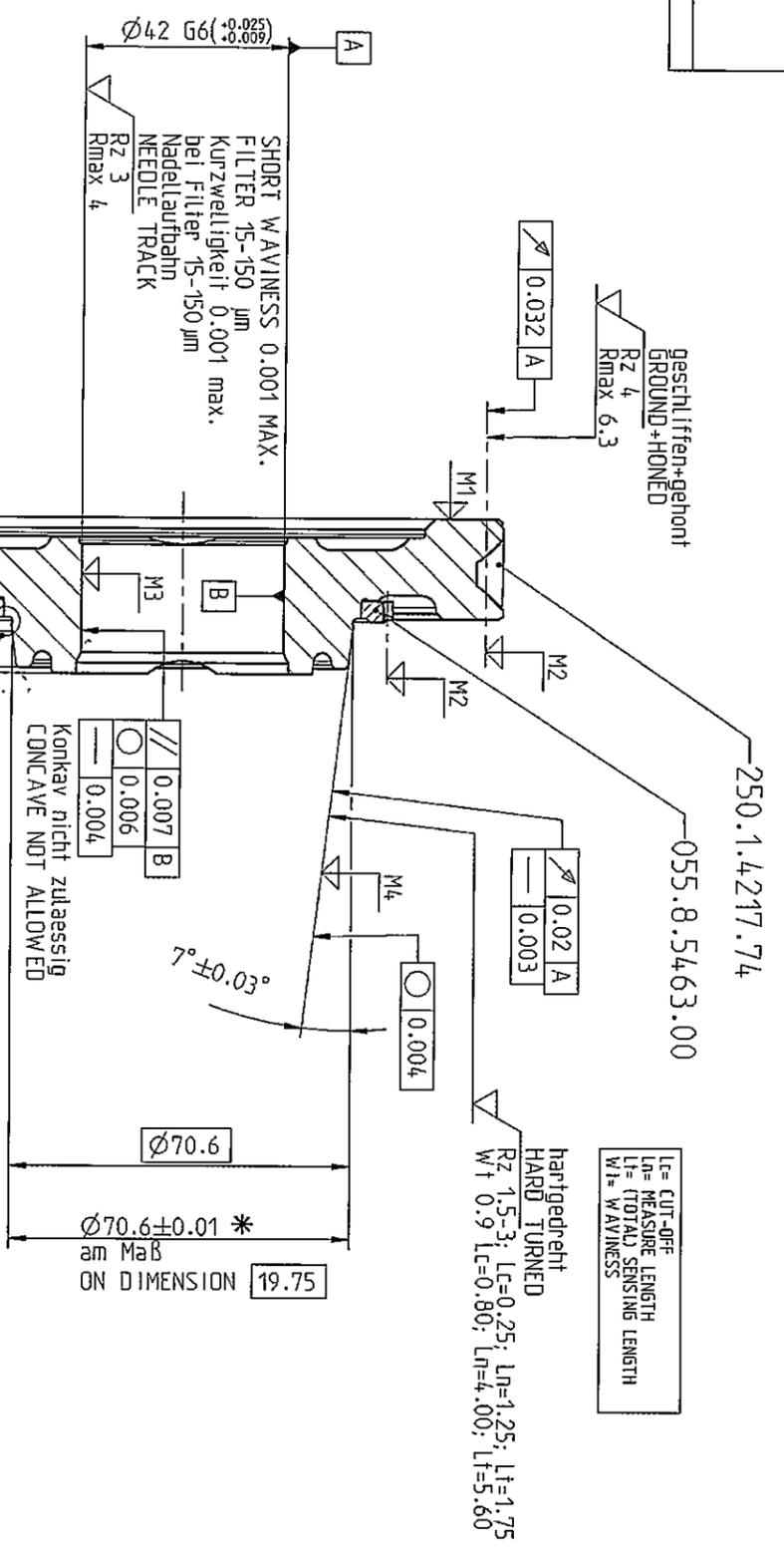
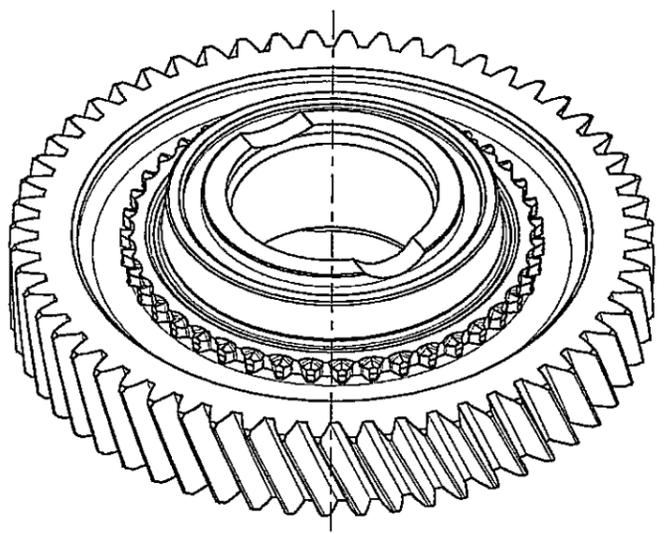
Title **GPS Leader** E-mail **ettore.camarda@getrag.com**

FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: Approved Rejected Other

Customer Signature Date **15-12-15**

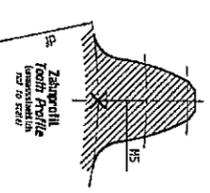
Print Name _____ Customer Tracking Number (optional) _____



CHECKED ACCORDING ENGINEERING SPECIFICATION
 S 357R-7M61-AA. DEVIATION FROM THIS SPECIFICATION:
 LONGITUDINAL MICRO CRACKS IN THE WELDING MATERIAL ARE
 PERMISSIBLE TO A TOTAL OF 2% AROUND THE CIRCUMFERENCE.

- einseitige Härte und angelassen
 M1 (Oberflächenhärtigkeit): 80.5+2.5 HRA
 M2 (Zahnflanke): CHD (Eht) 550=0.5+0.4
 M3 (Bohrung): CHD (Eht) 550=0.3min.
 M4 (Konus): CHD (Eht) 550=0.4+0.4
 M5 (Kernhärtigkeit): min. 300 HV10
- CASE HARDENED AND TEMPERED
 M1 (CASE HARDNESS): 80.5+2.5 HRA
 M2 (TOOTH FLANK): CHD (Eht) 550=0.5+0.4
 M3 (BORE): CHD (Eht) 550=0.3min.
 M4 (CONE): CHD (Eht) 550=0.4+0.4
 M5 (INSIDE BASE OF TOOTH): min. 300 HV10

* wahlweise Messung
 ALTERNATIVE MEASUREMENT



Technische Sauberkeit / TECHNICAL CLEANLINESS:

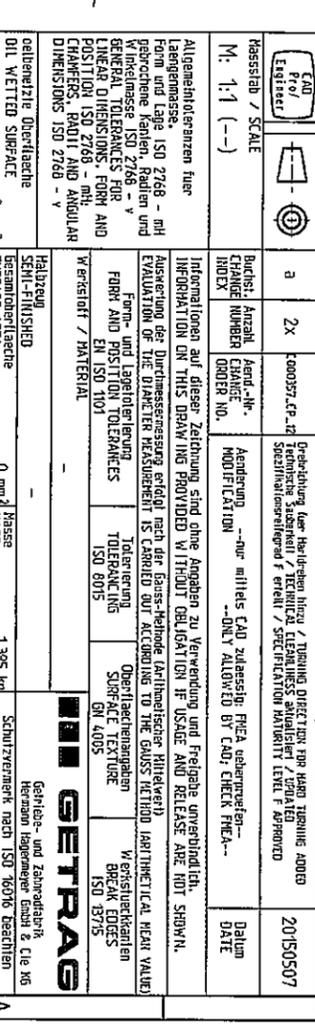
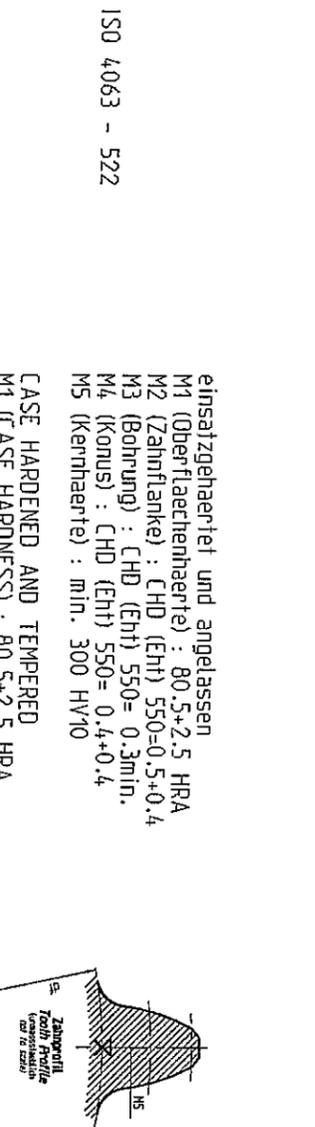
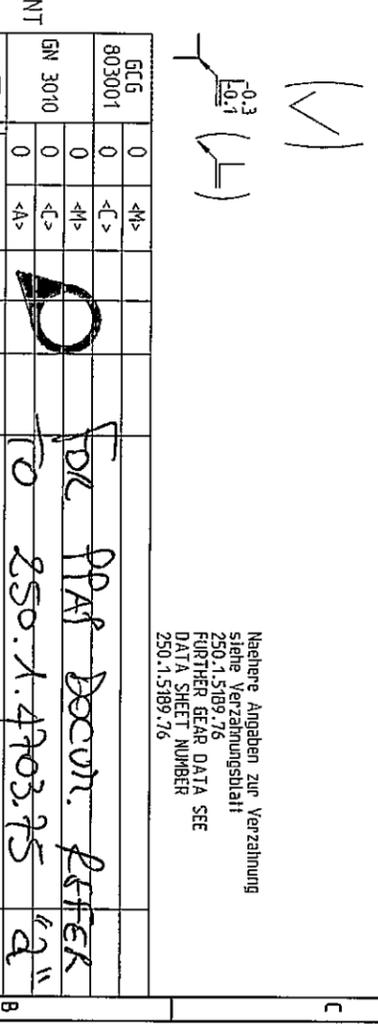
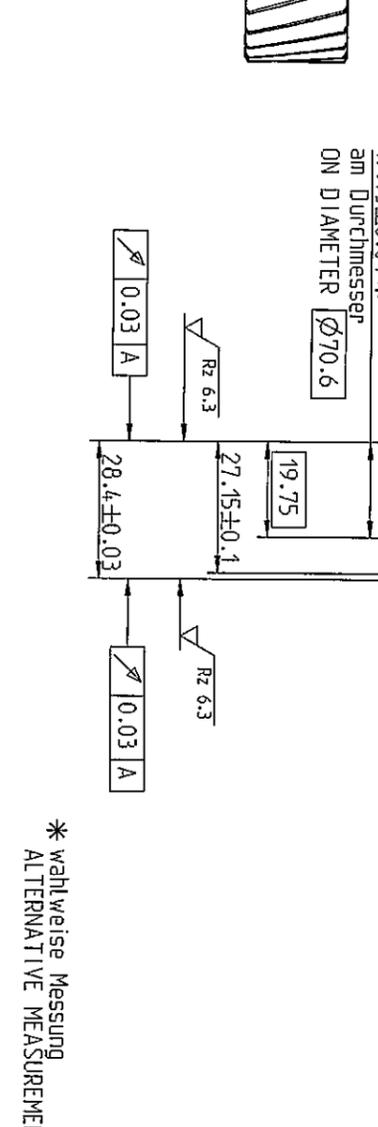
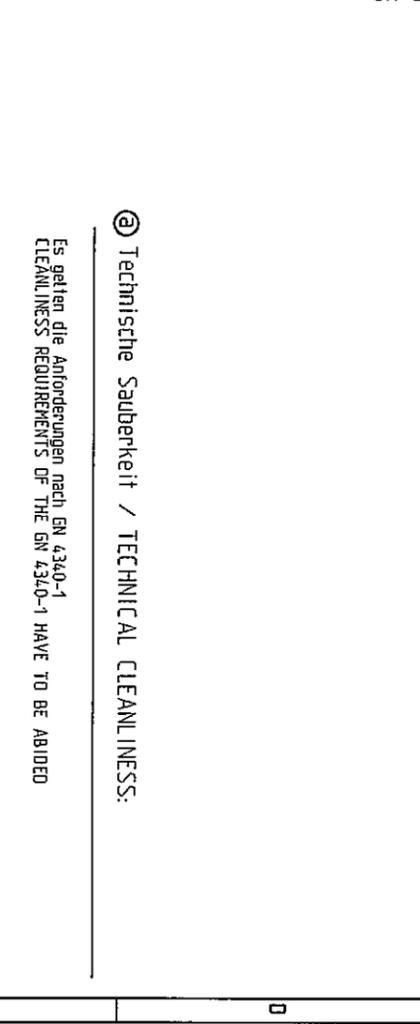
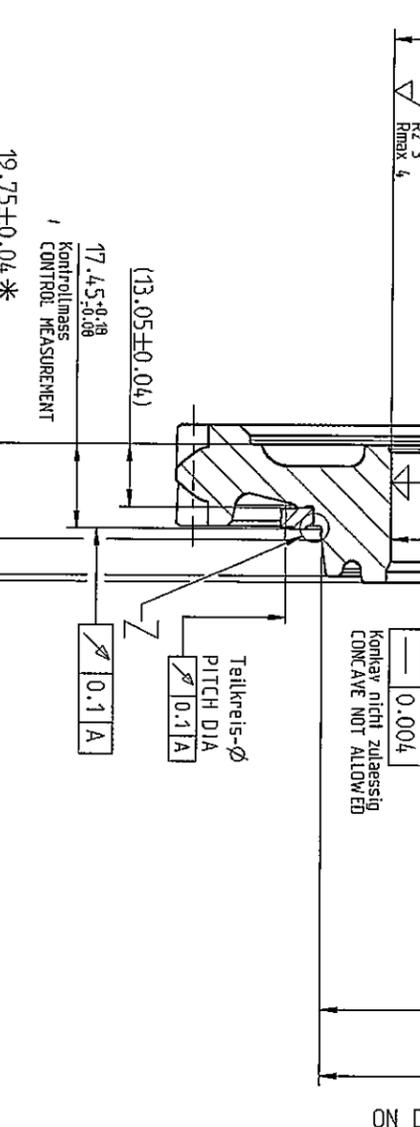
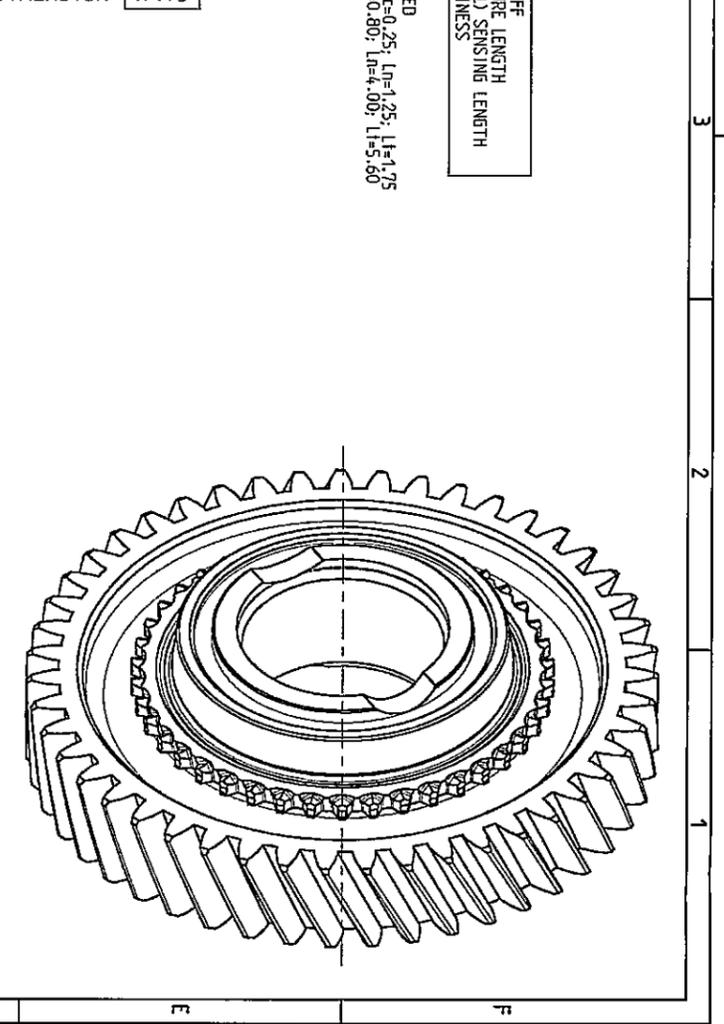
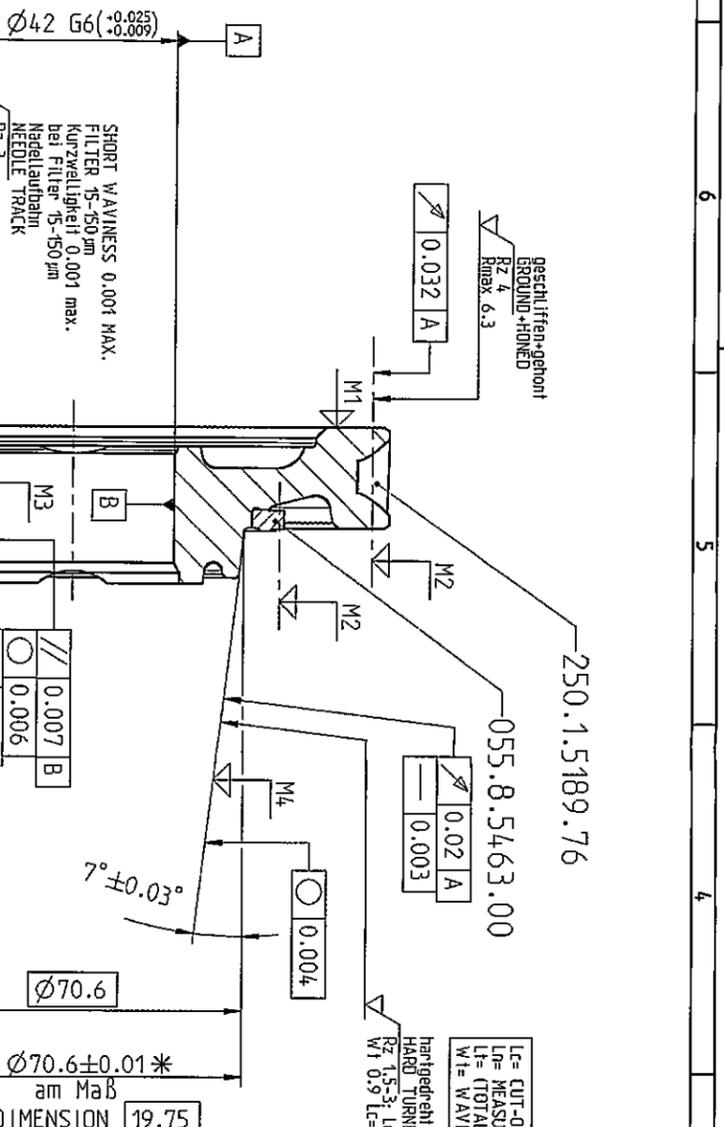
Es gelten die Anforderungen nach GN 4340-1
 CLEANLINESS REQUIREMENTS OF THE GN 4340-1 HAVE TO BE ABIDED

Nähere Angaben zur Verzahnung
 siehe Verzahnungsblatt
 250.14217.74
 FURTHER GEAR DATA SEE
 DATA SHEET NUMBER
 250.14217.74

Material	Material	Material	Material	Material
GC6/TS 803001	0	<N>		
GN 3010	0	<C>		
0	0	<A>		

Material	Material	Material	Material	Material
GC6/TS 803001	0	<N>		
GN 3010	0	<C>		
0	0	<A>		

Material	Material	Material	Material	Material
GC6/TS 803001	0	<N>		
GN 3010	0	<C>		
0	0	<A>		



Case Hardened and Tempered	elinsatzgehaertet und angelassen
M1 (CASE HARDNESS): 80.5+2.5 HRA	M1 (Oberflaechenhaerte): 80.5+2.5 HRA
M2 (TOOTH FLANK): CHD (Eht) 550=0.5+0.4	M2 (Zahnflanke): CHD (Eht) 550=0.5+0.4
M3 (BORE): CHD (Eht) 550= 0.3min.	M3 (Bohrung): CHD (Eht) 550= 0.3min.
M4 (CONE): CHD (Eht) 550= 0.4+0.4	M4 (Konus): CHD (Eht) 550= 0.4+0.4
M5 (INSIDE BASE OF TOOTH): min. 300 HV10	M5 (Innenhaerte): min. 300 HV10

Case Hardened and Tempered	elinsatzgehaertet und angelassen
M1 (CASE HARDNESS): 80.5+2.5 HRA	M1 (Oberflaechenhaerte): 80.5+2.5 HRA
M2 (TOOTH FLANK): CHD (Eht) 550=0.5+0.4	M2 (Zahnflanke): CHD (Eht) 550=0.5+0.4
M3 (BORE): CHD (Eht) 550= 0.3min.	M3 (Bohrung): CHD (Eht) 550= 0.3min.
M4 (CONE): CHD (Eht) 550= 0.4+0.4	M4 (Konus): CHD (Eht) 550= 0.4+0.4
M5 (INSIDE BASE OF TOOTH): min. 300 HV10	M5 (Innenhaerte): min. 300 HV10

Case Hardened and Tempered	elinsatzgehaertet und angelassen
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M3 (BORE): CHD (Eht) 550= 0.3min.	M3 (Bohrung): CHD (Eht) 550= 0.3min.
M4 (CONE): CHD (Eht) 550= 0.4+0.4	M4 (Konus): CHD (Eht) 550= 0.4+0.4
M5 (INSIDE BASE OF TOOTH): min. 300 HV10	M5 (Innenhaerte): min. 300 HV10