

312207



Part Submission Warrant

Part Name	Speed Gear 1	Customer Part Number	250.1.5203.75
Shown on Drawing No.	250.1.5203.75	Organization Part #	
Engineering Change Level	b 36088	Dated	14-set-15
Additional Engineering Changes		Dated	
Safety and/or Government Regulation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No.	
Checking Aid No.		Weight (kg)	1.3950
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
MODUGNO	BARI	70026	ITALY

Customer Name/Division

Buyer/Buyer Code
DCT250

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 type="checkbox"/> Initial Submission | <input type="checkbox"/> Change to Optional Construction or Material |
| <input checked="" 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 _____

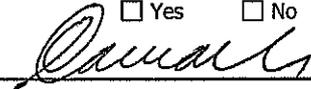
DECLARATION

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: **Technical cleanliness requirement updated on drawing (already in place)**

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

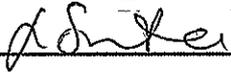
Organization Authorized Signature  Date **15/10/2015**

Print Name **Camarda Ettore** Phone No. **tel 390805858220** Fax No. _____

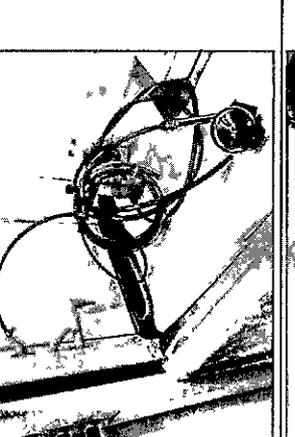
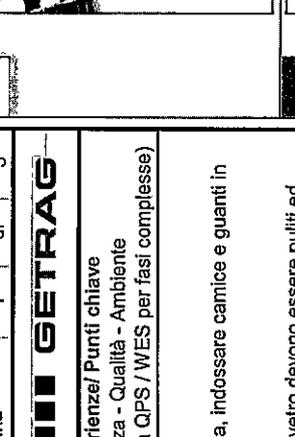
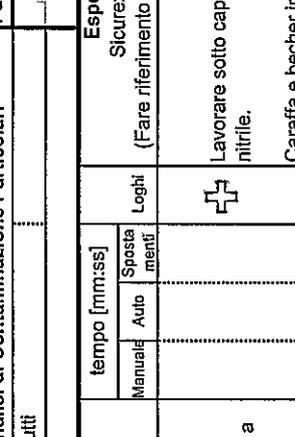
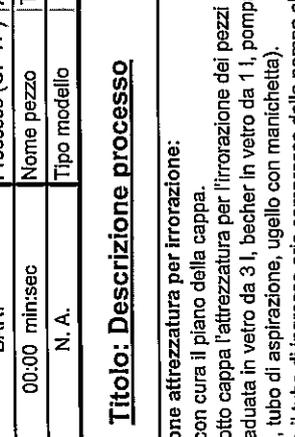
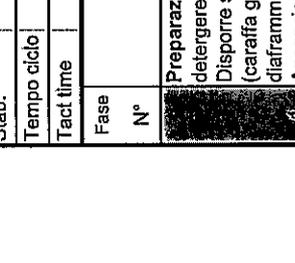
Title **Area 1 Manager** E-mail **ettore.camarda@magna.com**

FOR CUSTOMER USE ONLY (IF APPLICABLE)

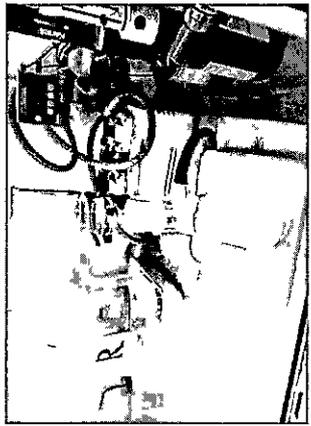
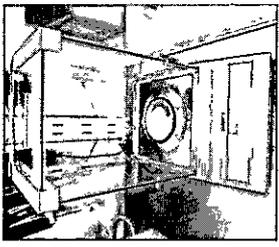
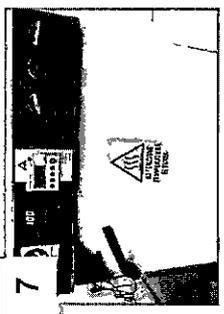
Part Warrant Disposition: Approved Rejected Other

Customer Signature  Date **15-10-15**

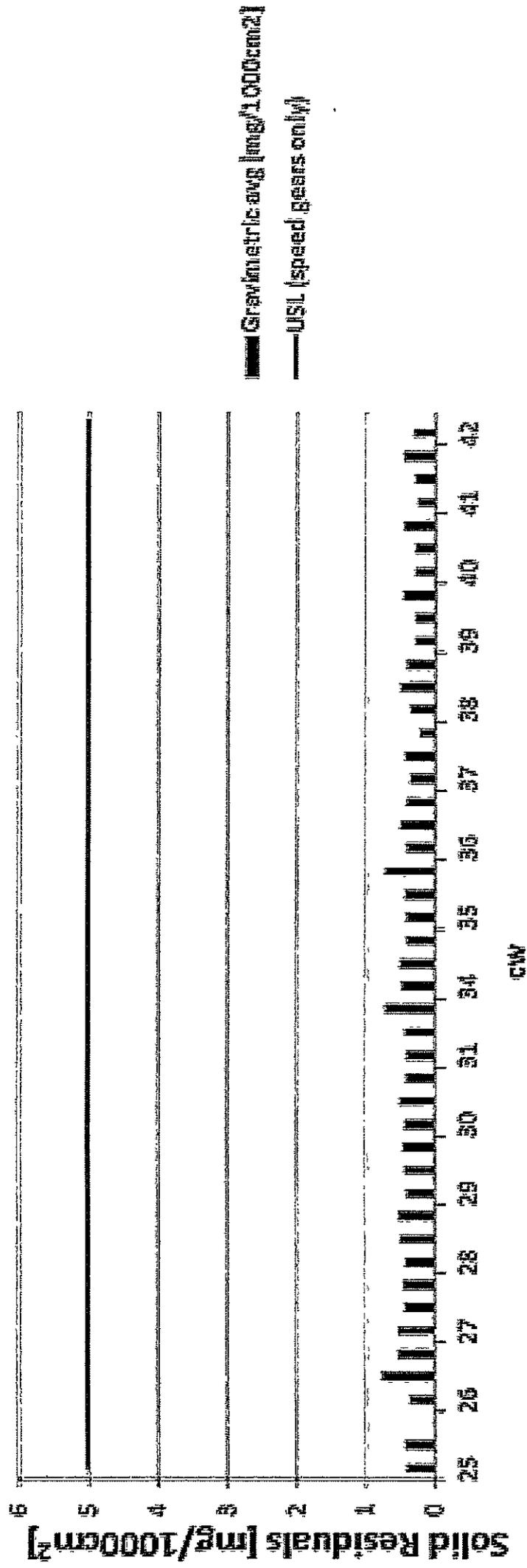
Print Name _____ Customer Tracking Number (optional) _____

Foglio QPS		Reparto/area	WLQ2	Laboratorio	Data creazione	28/11/13	Layout / Spiegazione / Aiuti visivi			
Stab.	BARI	Macchina	N. A.	Processo (OP-N°)	Analisi di Contaminazione Particolari	QPS-N°	130006			
Tempo ciclo	00:00 min:sec	Nome pezzo	Tutti				Pagina	1	di	3
Tact time	N. A.	Tipo modello								
Fase N°	TITOLO: Descrizione processo		tempo [mm:ss]	Loghi	Esperienze/ Punti chiave Sicurezza - Qualità - Ambiente (Fare riferimento a QPS / WES per fasi complesse)					
1	Preparazione attrezzatura per irrorazione: detergere con cura il piano della cappa. Disporre sotto cappa l'attrezzatura per l'irrorazione dei pezzi (caraffa graduata in vetro da 3 l, becher in vetro da 1 l, pompa a diatramma, tubo di aspirazione, ugello con manichetta). Aggianciare il tubo di ingresso aria compressa della pompa al rubinetto della cappa. Serrare con una fascetta metallica. Detergere con cura l'attrezzatura con carta e detergente. Pulire particolarmente la manichetta di uscita del solvente (ugello di irrorazione) ed il tubo di aspirazione dello stesso.		Manuale Auto Spostamenti		Lavorare sotto cappa, indossare camice e guanti in nitrile. Caraffa e becher in vetro devono essere puliti ed asciutti. Al termine di questa fase, sostituire i guanti.					
2	Pulizia interna della pompa e dei tubi: inserire 400 ml di solvente Houghton Fenella VD 2209 N nel becher, attivare la pompa aprendo il rubinetto dell'aria compressa e far defluire il solvente. Ripetere una seconda volta il processo.				Il solvente utilizzato per la pulizia è un rifiuto che va stoccato nel contenitore "Rifiuti Liquidi di Laboratorio cod. CER 16.05.06". Il contenitore è posizionato sotto cappa.					
3	Irrorazione del particolare: sistemare i particolari, all'interno del contenitore utilizzato per il campionamento, sul piano cappa. Utilizzare la caraffa graduata da 3 l per versare nel contenitore 500 ml di solvente Fenella se si analizzano ruote oppure 800 ml se si analizzano alberi. Inserire il tubo di aspirazione del liquido nella bacinella, impostare il timer su 3 minuti, attivare il conto alla rovescia ed aprire completamente il rubinetto dell'aria compressa. Tutta la superficie del pezzo dev'essere irrorata. La distanza dell'ugello rispetto al pezzo dev'essere di circa 10 cm.				Il manometro a monte della pompa deve indicare 2,8+3 bar. Assicurarsi che l'ugello di irrorazione sia direzionato verso l'interno della bacinella. Per le ruote: irrorare ciascuna delle 2 facce del pezzo (poggiato sul fondo del contenitore) per 3 minuti. Eseguire un movimento rotatorio con l'ugello. Per gli alberi: irrorare ciascuna delle 2 estremità dell'albero (poggiato in verticale sul fondo del contenitore) per 3 minuti. Eseguire un movimento rotatorio con l'ugello in modo da raggiungere tutte le zone del pezzo, incluso l'eventuale foro.					
4	Risciacquo del particolare: afferrare con cura il pezzo al termine dell'irrorazione ed estrarlo dal contenitore. Risciacquare aiutandosi con una spruzzetta da 250 ml riempita con solvente.				Raggiungere tutta la superficie del pezzo (anche le superfici interne dei fori).					
5	Risciacquo dell'attrezzatura: risciacquare l'attrezzatura come al punto 2, con l'avvertenza di versare il solvente utilizzato nello stesso contenitore in cui è stato irrorato il particolare.									
DPI necessari		Tempo tot.	00:00	00:00	00:00	=	00:00 min	creato/modificato da		F. Guerra / WLQ2
		Loghi		Sicurezza		Controllo qualità		Condizioni critiche	Inventario	Ambiente
								Revisione-N°	01	Archiviazione: 25.03 / S +12 Classe sicurezza: Proprietary GO_F11_0001_07
								Data revisione	28.11.13	

Foglio QPS		Reparto / area	WLQ2	Laboratorio	Data creazione	28/11/13	Layout / Spiegazione / Aiuti visivi		
Stab.	BARI	Macchina	N. A.	Processo (OP-N°)	Analisti di Contaminazione Particolari	QPS-N°	130006	7	
Tempo ciclo	00:00 min:sec	Nome pezzo	Tutti	Tempo [mm:ss]	Manuale	Auto	Spostamenti	8	
Tact time	N. A.	Tipo modello		Loghi	9				
Fase N°	TITOLO: Descrizione processo								
6	<p>Selezione del tipo di filtro: Il tipo di filtro da utilizzare dipende dalla norma di riferimento per la pulizia del particolare. Se la norma di riferimento è la GN 4340-1, si utilizzano <u>filtri in nylon da 140 micron</u>. Se la norma è la GN 4340-2, utilizzare <u>filtri in nitrato di cellulosa da 5 micron</u>.</p>		<p>Esperienze/ Punti chiave Sicurezza - Qualità - Ambiente (Fare riferimento a QPS / WES per fasi complesse)</p>		<p>La norma di riferimento è indicata sul disegno del particolare. Se nessuna norma è citata sul disegno, si applica la GN 4340-1.</p>				
7	<p>Disidratazione e pesatura del filtro: Il filtro dev'essere disidratato in stufa per 30 minuti a 80°C, stabilizzato in essiccatore per 30 minuti e pesato alla bilancia analitica annotando il valore fino alla quarta cifra decimale.</p>				<p>E' obbligatorio pulire con alcol denaturato e carta la base della bilancia sulla quale verrà appoggiato il filtro.</p>				
8	<p>Preparazione attrezzatura per filtrazione: Disporre l'attrezzatura per la filtrazione sotto cappa: pompa da vuoto, bacinella in plastica, beuta codata, supporto filtrante, sul quale si adagia il filtro, ed il bicchiere di filtrazione. Fissare il bicchiere al supporto del filtro per mezzo di pinza in metallo. Collegare infine il tubo di aspirazione della pompa da vuoto alla beuta codata.</p>				<p>Tutte le attrezzature devono essere pulite ed asciutte</p>				
9	<p>Filtrazione: attivare il dispositivo di regolazione del vuoto, attivare la pompa e premere Run sul dispositivo di regolazione del vuoto. Il Set-Point deve essere impostato su 30 mbar. Procedere alla filtrazione versando lentamente il solvente nel bicchiere di filtrazione. Una volta versato tutto il solvente, risciacquare il contenitore aiutandosi con la spruzzetta riempita con solvente Fenella. Sciogliere infine il bicchiere di filtrazione, premere STOP sul dispositivo di regolazione del vuoto e spegnere la pompa.</p>				<p>Per impostare il set-point della pompa, agire con i pulsanti corrispondenti alle frecce per aumentare/abbassare la pressione. Una volta raggiunto il valore di 30 mbar, premere OK. Per verificare il set-point della pompa, premere il pulsante P.set sul quadrante e poi ESC.</p>				
<p>DPI necessari</p> <div style="display: flex; justify-content: space-around;"> <div></div> <div></div> <div></div> </div>									
Tempo tot.		00:00		00:00		00:00		= 00:00 min	
Loghi		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Sicurezza		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Controllo qualità		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Condizioni critiche		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Inventario		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Ambiente		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Revisione-N°								01	
Data revisione								28.11.13	
creato/modificato da								F. Guerra / WLQ2	
Archiviazione:								25.03 / S +12	
Classe sicurezza:								Proprietary	
GO_F11_0001_07									



Part Cleanliness after Final Washing / Gravimetric Analysis - 2015



Drawing 5203 update from index "a" to "b"

Short description:

b	1x	36088	Technische Sauberkeit/TECHNICAL CLEANLINESS aktualisiert/UPDATED	20150914
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PPAP Requirements		Required	Note
1	Design Records	Yes	
2	Authorized Engineering change documents	Yes	see dwg
3	Customer Engineering approval	n.a.	
4	DFMEA	NO	
5	Process flow diagram(s)	NO	
6	PFMEA	Yes	Cleanliness spec. already in place
7	Control plan	Yes	Cleanliness spec. already in place
8	Measurement system analysis studies	NO	
9	Dimensional results	NO	
10	Records of Material / Performance test results	NO	
11	Initial process studies	NO	
12	Qualified laboratory documentation	NO	
13	Appearance Approval Report (A.A.R.)	n.a.	
14	Sample Production Parts	Yes	
15	Master sample	Yes	
16	Checking aids	n.a.	
17	Customer-Specific Requirements	NO	
18	Part Submission Warrant (PSW)	Yes	

PPAP Docs updated
YES
YES
YES
YES
YES
YES
YES

Other requirements		Required	Note
1	PSW Raw part	NO	
2	PSW E.P. part	NO	
3	PSW Engagement Rings	NO	



Part Submission Warrant

Part Name	Speed Gear 1	Customer Part Number	250.1.4703.75
Shown on Drawing No.	250.1.4703.75	Organization Part #	
Engineering Change Level	b 36088	Dated	14-set-15
Additional Engineering Changes		Dated	
Safety and/or Government Regulation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No.	
Checking Aid No.		Weight (kg)	1.5150
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
MODUGNO	BARI	70026	ITALY

Customer Name/Division

Buyer/Buyer Code
DCT250

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 type="checkbox"/> Initial Submission	<input type="checkbox"/> Change to Optional Construction or Material
<input checked="" 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

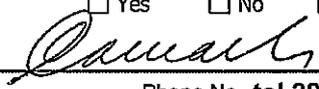
DECLARATION

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: **Technical cleanliness requirement updated on drawing (already in place)**

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

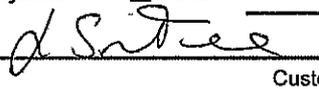
Organization Authorized Signature  Date **15/10/2015**

Print Name **Camarda Ettore** Phone No. **tel 390805858220** Fax No.

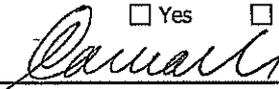
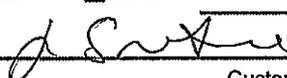
Title **Area 1 Manager** E-mail **ettore.camarda@magna.com**

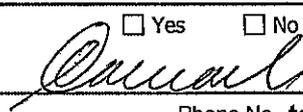
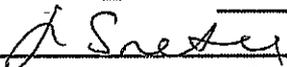
FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: Approved Rejected Other

Customer Signature  Date **15.10.15**

Print Name _____ Customer Tracking Number (optional) _____

Part Name Speed Gear 1		Customer Part Number 250.1.4381.75	
Shown on Drawing No. 250.1.4381.75		Organization Part # _____	
Engineering Change Level a 36088		Dated 14-set-15	
Additional Engineering Changes _____		Dated _____	
Safety and/or Government Regulation <input type="checkbox"/> Yes <input checked="" 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		Customer Name/Division	
VIA DEI CICLAMINI N°4			
Street Address		Buyer/Buyer Code	
MODUGNO BARI 70026 ITALY		DCT250	
City	Region	Postal Code	Country
MATERIALS REPORTING			
Has customer-required Substances of Concern information been reported?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a	
Submitted by IMDS or other customer format: _____			
Are polymeric parts identified with appropriate ISO marking codes?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a	
REASON FOR SUBMISSION (Check at least one)			
<input type="checkbox"/> Initial Submission		<input type="checkbox"/> Change to Optional Construction or Material	
<input checked="" 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)			
<input type="checkbox"/> Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.			
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<input type="checkbox"/> Level 4 - Warrant and other requirements as defined by customer.			
<input type="checkbox"/> Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.			
SUBMISSION RESULTS			
The results for <input checked="" type="checkbox"/> dimensional measurements <input type="checkbox"/> material and functional tests <input type="checkbox"/> appearance criteria <input type="checkbox"/> statistical process package			
These results meet all drawing and specification requirements: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO (If "NO" - Explanation Required)			
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EXPLANATION / COMMENTS: Technical cleanliness requirement updated on drawing (already in place)			
Is each Customer Tool properly tagged and numbered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a			
Organization Authorized Signature 		Date 15/10/2015	
Print Name Camarda Ettore		Phone No. tel 390805858220	
Title Area 1 Manager		E-mail ettore.camarda@magna.com	
FOR CUSTOMER USE ONLY (IF APPLICABLE)			
Part Warrant Disposition: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Other			
Customer Signature 		Date 15.10.15	
Print Name _____		Customer Tracking Number (optional) _____	

Part Name Speed Gear 1		Customer Part Number 250.1.4380.75	
Shown on Drawing No. 250.1.4380.75		Organization Part # _____	
Engineering Change Level a 36088		Dated 14-set-15	
Additional Engineering Changes _____		Dated _____	
Safety and/or Government Regulation <input type="checkbox"/> Yes <input checked="" 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		Customer Name/Division	
VIA DEI CICLAMINI N°4			
Street Address		Buyer/Buyer Code	
MODUGNO BARI 70026 ITALY		DCT250	
City	Region	Postal Code	Country
MATERIALS REPORTING			
Has customer-required Substances of Concern information been reported? Submitted by IMDS or other customer format:		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a	
Are polymeric parts identified with appropriate ISO marking codes?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a	
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<input checked="" type="checkbox"/> Level 3 - Warrant with product samples and complete supporting data submitted to customer.			
<input type="checkbox"/> Level 4 - Warrant and other requirements as defined by customer.			
<input type="checkbox"/> Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.			
SUBMISSION RESULTS			
The results for <input checked="" type="checkbox"/> dimensional measurements <input type="checkbox"/> material and functional tests <input type="checkbox"/> appearance criteria <input type="checkbox"/> statistical process package			
These results meet all drawing and specification requirements: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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: Technical cleanliness requirement updated on drawing (already in place)			
Is each Customer Tool properly tagged and numbered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a			
Organization Authorized Signature 		Date 15/10/2015	
Print Name Camarda Ettore		Phone No. tel 390805858220	
Title Area 1 Manager		E-mail ettore.camarda@magna.com	
FOR CUSTOMER USE ONLY (IF APPLICABLE)			
Part Warrant Disposition: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Other			
Customer Signature 		Date 15/10/15	
Print Name _____		Customer Tracking Number (optional) _____	

Part Name Speed Gear 1		Customer Part Number 250.1.4378.75	
Shown on Drawing No. 250.1.4378.75		Organization Part # _____	
Engineering Change Level b 36088		Dated 14-set-15	
Additional Engineering Changes _____		Dated _____	
Safety and/or Government Regulation <input type="checkbox"/> Yes <input checked="" 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
MODUGNO	BARI	70026	ITALY

Customer Name/Division

Buyer/Buyer Code
DCT250

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 type="checkbox"/> Initial Submission
<input checked="" type="checkbox"/> Engineering Change(s)
<input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional
<input type="checkbox"/> Correction of Discrepancy
<input type="checkbox"/> Tooling Inactive > than 1 year | <input type="checkbox"/> Change to Optional Construction or Material
<input type="checkbox"/> Supplier or Material Source Change
<input type="checkbox"/> Change in Part Processing
<input type="checkbox"/> Parts Produced at Additional Location
<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: **Technical cleanliness requirement updated on drawing (already in place)**

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

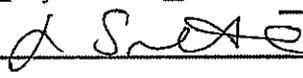
Organization Authorized Signature  Date **15/10/2015**

Print Name **Camarda Ettore** Phone No. **tel 390805858220** Fax No. _____

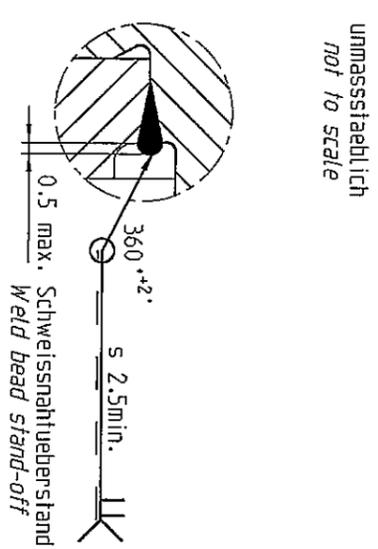
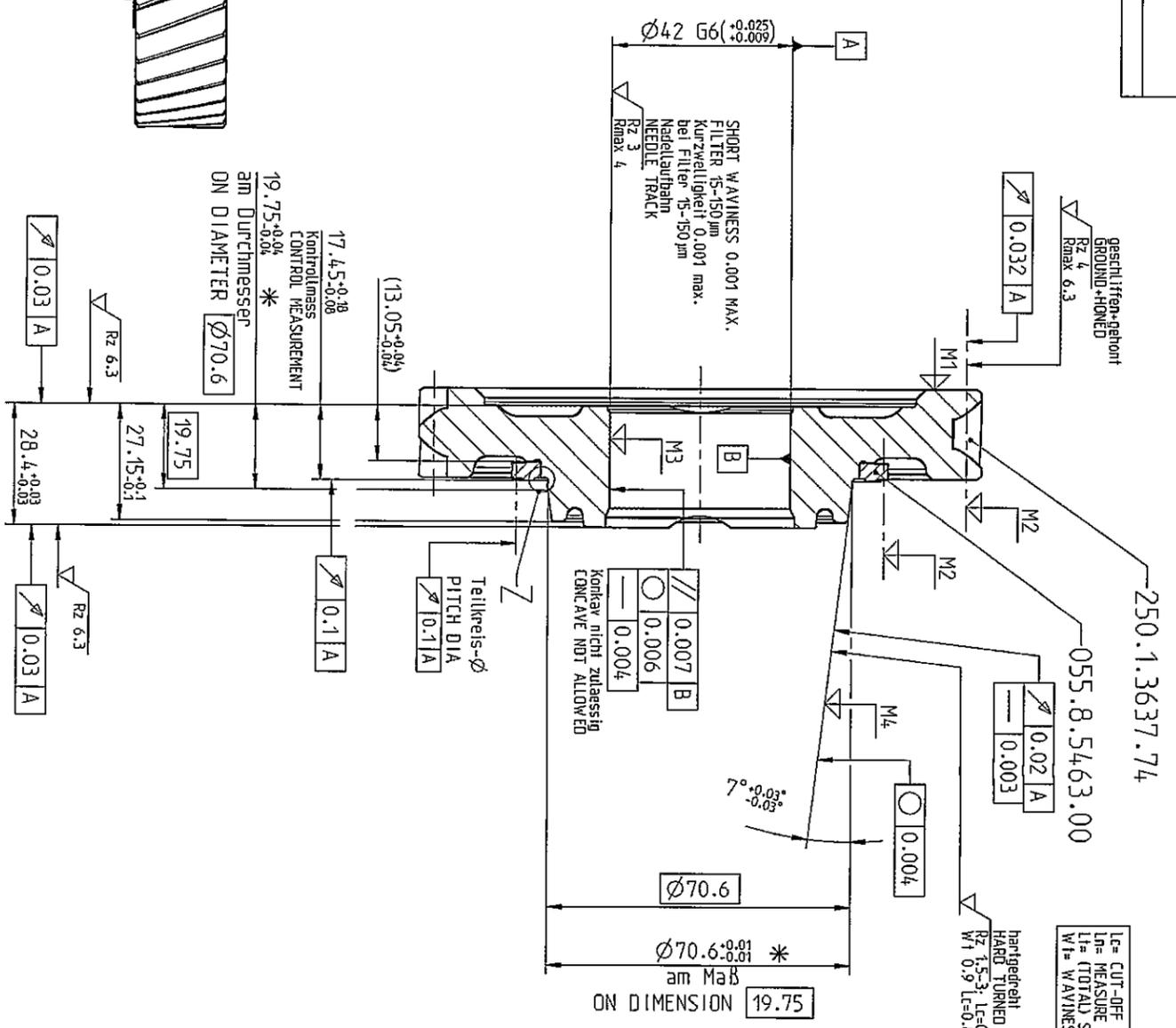
Title **Area 1 Manager** E-mail **ettore.camarda@magna.com**

FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: Approved Rejected Other

Customer Signature  Date **15/10/15**

Print Name _____ Customer Tracking Number (optional) _____



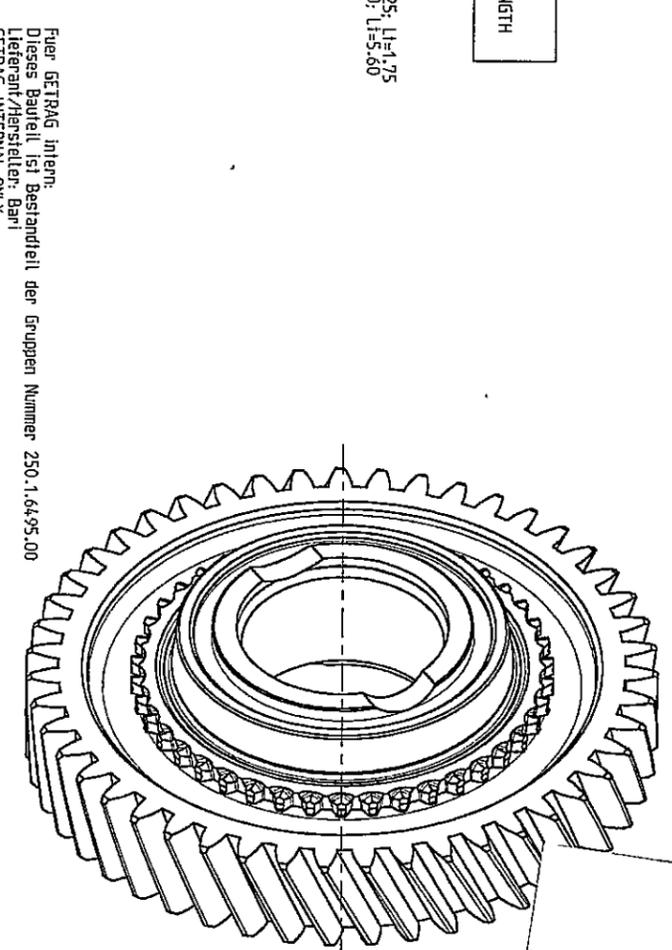
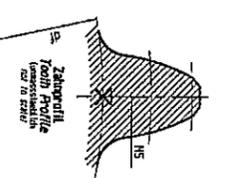
CHECKED ACCORDING ENGINEERING SPECIFICATION
 S 357R-7M61-AA. DEVIATION FROM THIS SPECIFICATION:
 LONGITUDINAL MICRO CRACKS IN THE WELDING MATERIAL ARE
 PERMISSIBLE TO A TOTAL OF 2% AROUND THE CIRCUMFERENCE.

ummassstäblich
 not to scale

⊗ TURNING DIRECTION:

* wahlweise Messung
 ALTERNATIVE MEASUREMENT

- einsetztauglichkeit und angelassen
- M1 (Oberflächeneigenschaft): 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



Fuer die Lieferung und Kennzeichnung im Data Matrix Code (Bauteil und/oder Verpackung) muss die Gruppen Nummer 250.1.6495.00 verwendet werden. FÜR SHIPPMENT AND IDENTIFICATION WITHIN THE DATA MATRIX CODE (COMPONENT AND/OR PACKAGING) THE GROUP NUMBER 250.1.6495.00 HAS TO BE USED.

PPAP nach / ACCORDING TO 250.1.44703.75

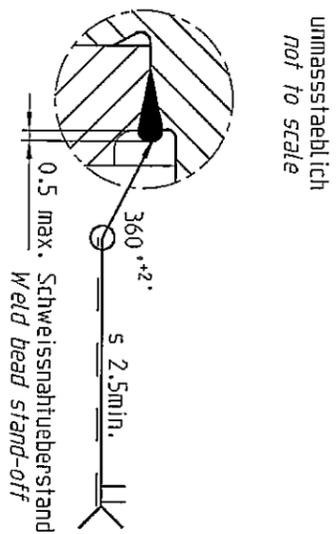
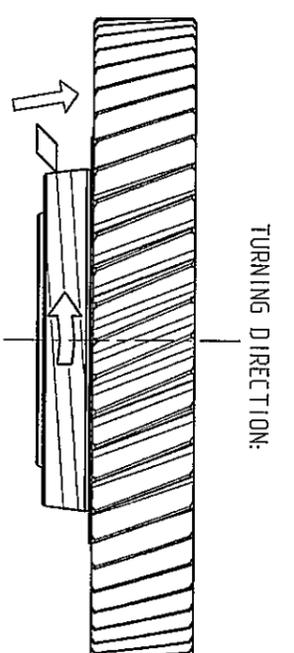
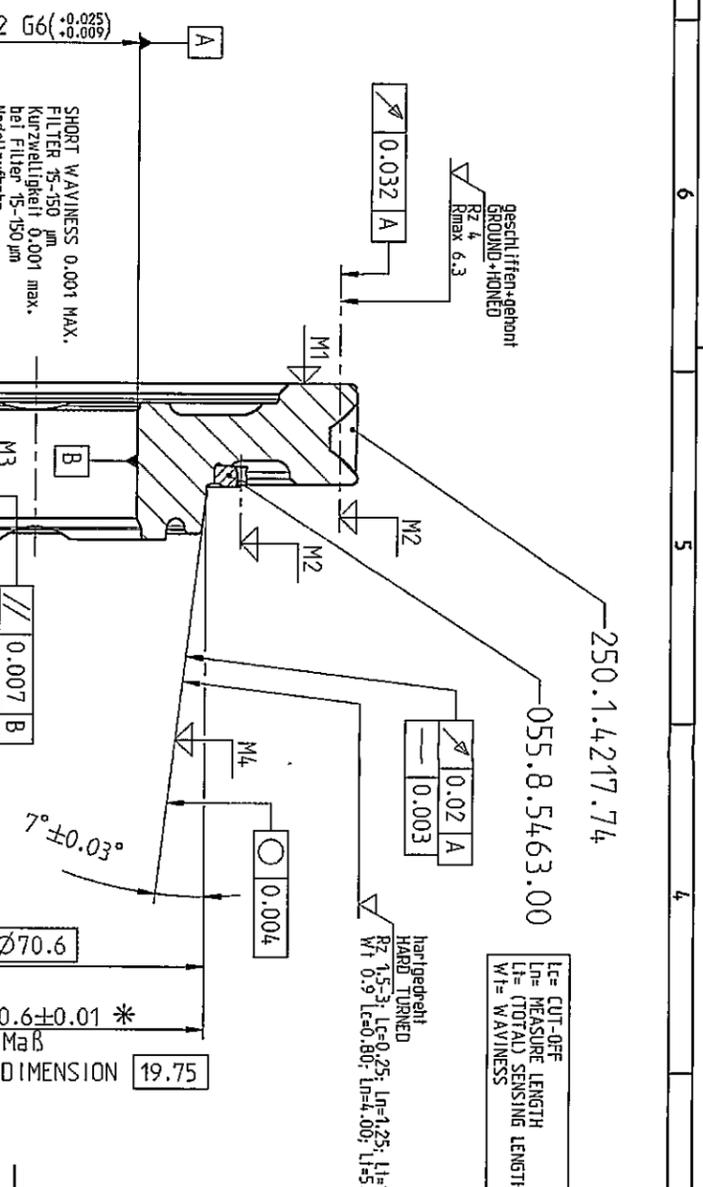
⊗⊗ Technische Sauberkeit / TECHNICAL CLEANLINESS:

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

Fuer Getrag intern:
 Dieses Bauteil ist Bestandteil der Gruppen Nummer 250.1.6495.00
 Lieferant/hersteller: Bari
 GETRAG INTERNAL ONLY:
 THIS COMPONENT IS PART OF GROUP NUMBER 250.1.6495.00
 SUPPLIER/MANUFACTURER: Bari

Nähere Angaben zur Verzahnung siehe Verzahnungsblatt 250.1.3637.74 FÜR FURTHER GEAR DATA SEE DATA SHEET NUMBER 250.1.3637.74

GC/G/TS	0	ΔM	ΔN	ΔP	ΔQ	ΔR	ΔS	ΔT	ΔU	ΔV	ΔW	ΔX	ΔY	ΔZ
GN 3010	0	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ	<Δ
Material	GN 3010	0	<Δ											
Scale	M: 1:1	(--)												
Material	GN 3010	0	<Δ											
Scale	M: 1:1	(--)												

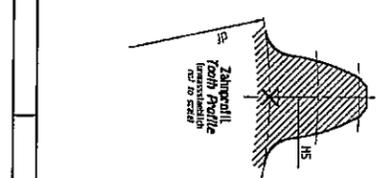


UNMENSURIERBILICH
 not to scale

CHECKED ACCORDING ENGINEERING SPECIFICATION
 S 357R-7M161-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 (Oberflächehärte): 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 (Kernhärte): 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



Material	Werkstoff / SCALE	36088	Technische Sauberkeit/TECHNICAL CLEANNESS	aktualisiert/UPDATED	20150914
Material	Werkstoff / SCALE	36088	Technische Sauberkeit/TECHNICAL CLEANNESS	aktualisiert/UPDATED	20150914
Material	Werkstoff / SCALE	36088	Technische Sauberkeit/TECHNICAL CLEANNESS	aktualisiert/UPDATED	20150914

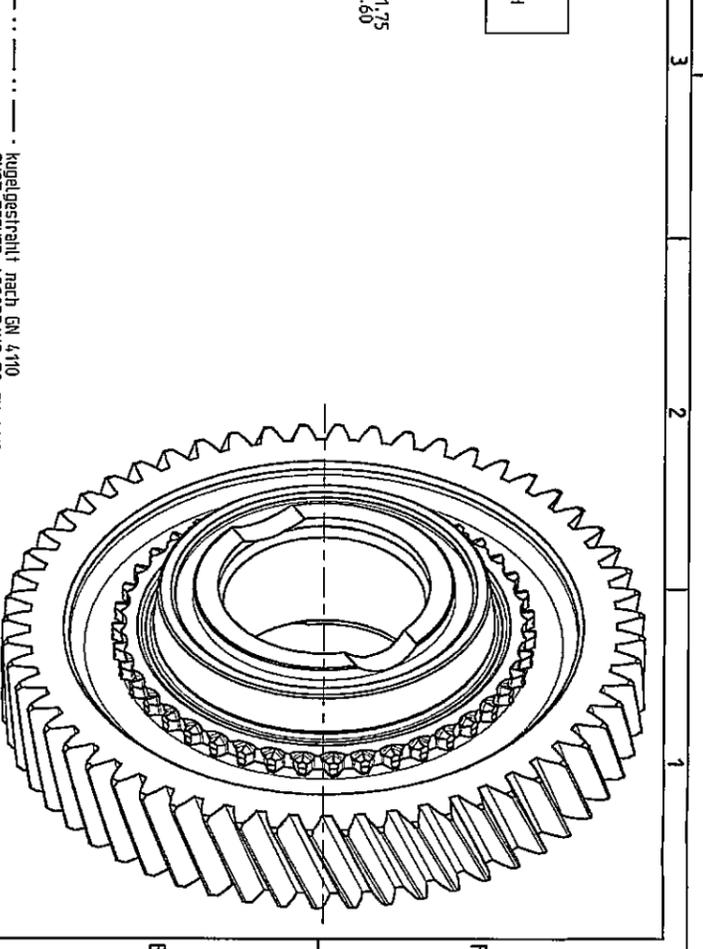
Es gelten die Anforderungen nach GN 4340-1
 CLEANLINESS REQUIREMENTS OF THE GN 4340-1 HAVE TO BE ABIDED

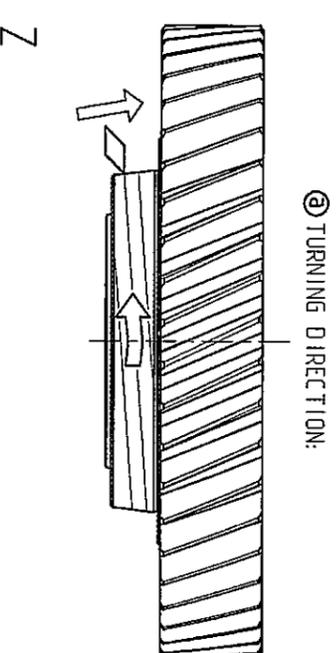
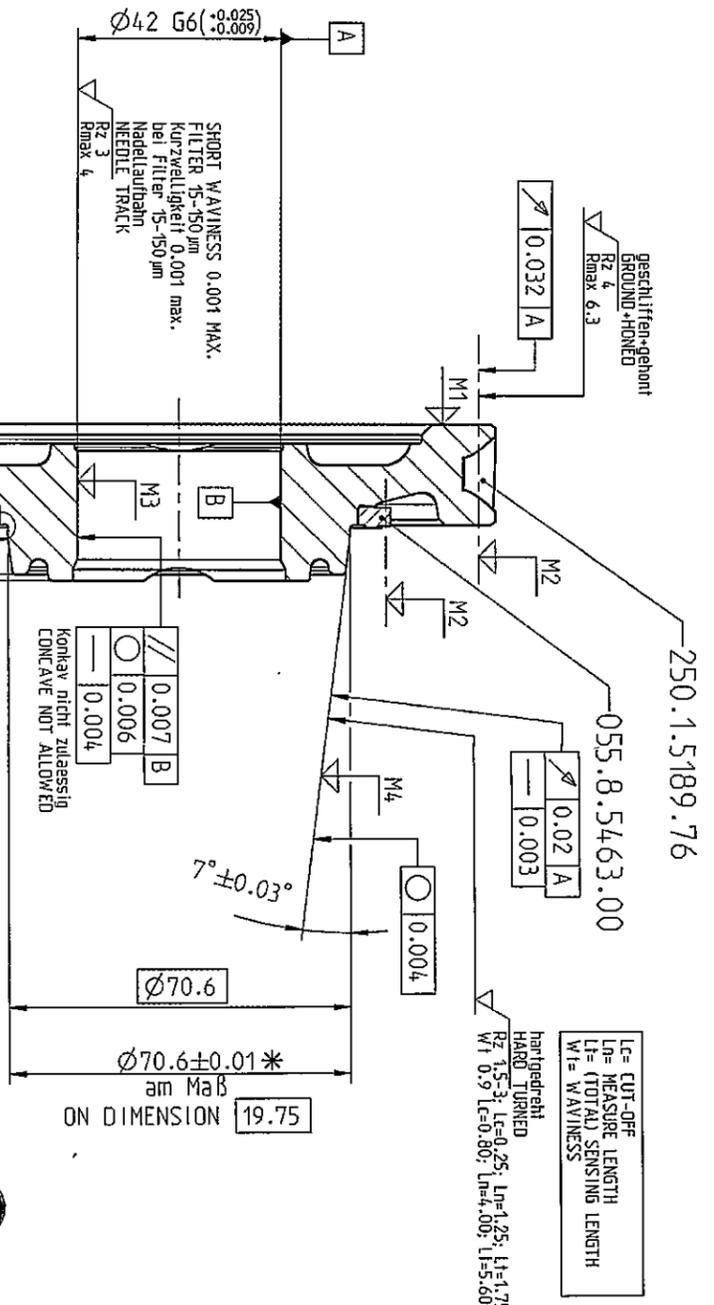
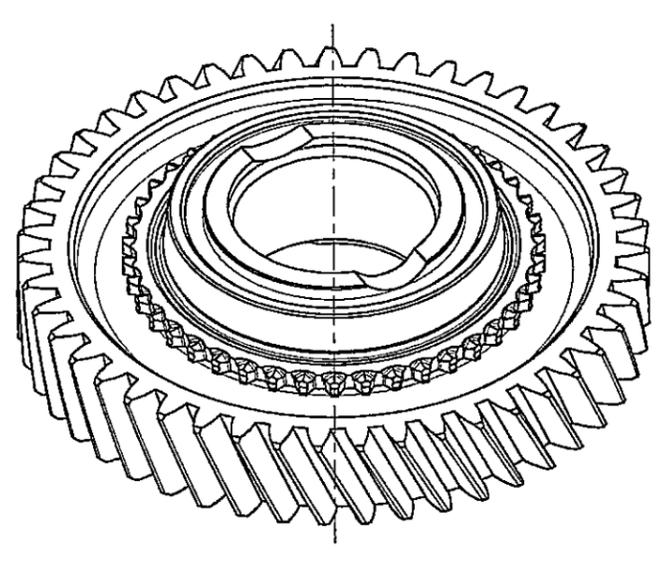
Feuer Getrag internen Gebrauch / FOR GETRAG INTERNAL USE
 Bauteiloberfläche fuer Pruefung / SURFACE TO PROVE:
 541 cm²

Mehrere Angaben zur Verzahnung
 siehe Verzahnungsblatt
 250.1.4217.74
 FURTHER GEAR DATA SEE
 DATA SHEET NUMBER
 250.1.4217.74

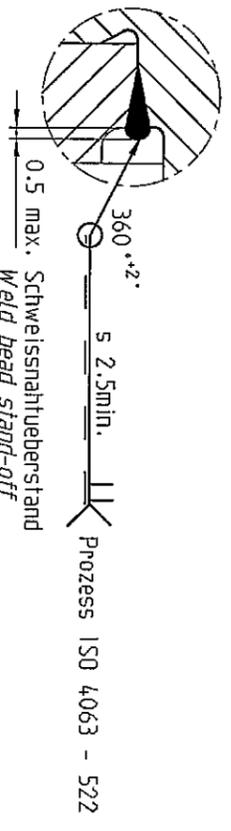
a Technische Sauberkeit / TECHNICAL CLEANLINESS:
 Kugelfreie nach GN 4110
 SHOT PEENED ACCORDING TO GN 4110
 IN DIESEM BEREICH KUGELFREIHEIT NACH DEM SCHLEUDER-VERFAHREN
 IN THIS AREA SHOT PEENED ACCORDING TO CENTRIFUGAL WHEEL-PROCESS

Prozessfolge:
 Verzahnung fraesen - haerlen - strahlen - Verzahnungs-Hartbearbeitung
 keine Sauren der Hartbearbeitung in der Zahnhubspannung bzw.
 im Zahnfuß zulässig!
 PROZESS SEQUENZ:
 HOBBING OF TEETH - HARDENING - SHOT-PEENING - TEETH HARD MACHINING
 NO MARKS OF HARD MACHINING IN THE ROOT FILET RESPECTIVELY
 ROOT PERMISSIBLE!





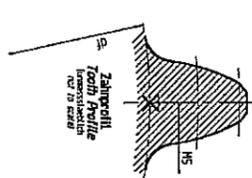
ummassstäblich
 not to scale



CHECKED ACCORDING ENGINEERING SPECIFICATION
 S 357R-7M161-AA. DEVIATION FROM THIS SPECIFICATION:
 LONGITUDINAL MICRO CRACKS IN THE WELDING MATERIAL ARE
 PERMISSIBLE TO A TOTAL OF 2% AROUND THE CIRCUMFERENCE.

* wahlweise Messung
 ALTERNATIVE MEASUREMENT

- einsetztaeuerlich und angelassen
- M1 (Oberflaechehaertheit) : 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 (Kerohaertheit) : min. 300 HV10



Material	Form und Lage				
803001	0	<M>	<C>	<A>	
GN 3010	0	<A>	<C>	<A>	

Material	Form und Lage				
803001	0	<M>	<C>	<A>	
GN 3010	0	<A>	<C>	<A>	

Material	Form und Lage				
803001	0	<M>	<C>	<A>	
GN 3010	0	<A>	<C>	<A>	

Es gelten die Anforderungen nach GN 4340-1
 CLEANNESS REQUIREMENTS OF THE GN 4340-1 HAVE TO BE ABIDED
 Fuer Getrag internen Gebrauch / FOR GETRAG INTERNAL USE
 Bauteiloberflaeche fuer Pruefung / SURFACE TO PROVE:
 544 cm²

@@ Technische Sauberkeit / TECHNICAL CLEANLINESS:

Naechere Angaben zur Verzahnung
 siehe Verzahnungsblatt
 250.1.5189.76
 FURTHER GEAR DATA SEE
 DATA SHEET NUMBER
 250.1.5189.76