

312549



Part Submission Warrant

Part Name	Gear 2nd	Customer Part Number	250.1.3640.75
Shown on Drawing No.	250.1.3640.75	Organization Part #	
Engineering Change Level	a C000911_MIP_1	Dated	19-apr-16
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)	0.6670
Checking Aid Engineering Change Level		Dated	

ORGANIZATION MANUFACTURING INFORMATION	CUSTOMER SUBMITTAL INFORMATION
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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	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 2000 / 24 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: Optional ID groove added (used only in case of EP parts)

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

Organization Authorized Signature *Camarda* Date **17/05/2016**

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 *[Signature]* Date **17.05.16**

Print Name _____ Customer Tracking Number (optional) _____



Part Submission Warrant

Part Name	RUOTA DENTATA 2M tornita	Customer Part Number	250.1.3640.80
Shown on Drawing No.		Organization Part #	
Engineering Change Level	b	Dated	14/05/2014
Additional Engineering Changes		Dated	
Safety and/or Government Regulation	<input type="checkbox"/> Yes <input type="checkbox"/> No	Purchase Order No.	
Weight (kg)		Checking Aid No.	
Checking Aid Engineering Change Level		Dated	

ORGANIZATION MANUFACTURING INFORMATION

PINTOTECNO SRL

Organization Name & Supplier/Vendor Code

Contrada Ofanto - Zona industriale

Street Address

RAPONE (PZ) 85020 Italia

City Region Postal Code Country

CUSTOMER SUBMITTAL INFORMATION

Getrag Spa - Bari

Customer Name/Division

Buyer/Buyer Code

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 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
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Mold / Cavity / Production Process

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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:

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

Organization Authorized Signature _____ Date **26/05/2014**

Print Name **Daniele Siano** Phone No. **0976 / 96209** Fax No. **0976/996907**

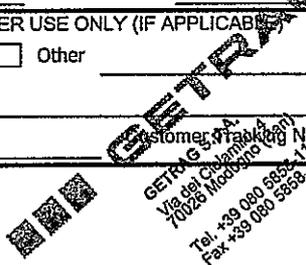
Title **Quality Manager** E-mail **daniele.siano@pintotecnno.com**

FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: Approved Rejected Other

Customer Signature *[Signature]* Date **16-12-2014**

Print Name **RUSSO GIACOMO - QPE - GPS 1** Customer Part Number (optional) **B/WLQ4-250-LV-**



14-0001

Drawing 3640 update from index "-" to "a"

Short description:

a	1x	CO0091LHIP-1	ANSICHT V: Optionale Erkennungsritze hinzu/ VIEW V: OPTIONAL ID GROOVE ADDED	20160419
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PPAP Requirements		Required	Note for ind. "a"
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	NO	NO Groove on supplier PFMEA
7	Control plan	NO	NO Groove on supplier Control Plan
8	Measurement system analysis studies	No	
9	Dimensional results	NO	NO Groove on supplier Dim. Res.
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

Other requirements		Required	Note for ind. "a"
1	PSW Raw part	NO	
2	PSW E.P. part	Yes	
3	PSW Engagement Rings	NO	

Yes

Part Name Gear 2nd		Customer Part Number 250.1.4220.75	
Shown on Drawing No. 250.1.4220.75		Organization Part # _____	
Engineering Change Level a C000911_MIP_1		Dated 13-apr-16	
Additional Engineering Changes _____		Dated _____	
Safety and/or Government Regulation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Purchase Order No. _____	
		Weight (kg) 0.6640	
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
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 |

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EXPLANATION / COMMENTS: **Optional ID groove added (used only in case of EP parts)**

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

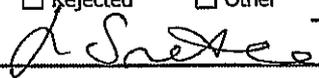
Organization Authorized Signature  Date **17/05/2016**

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

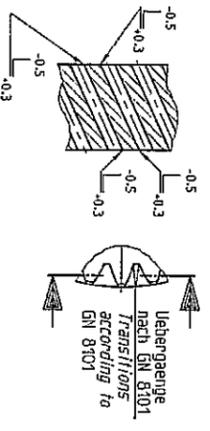
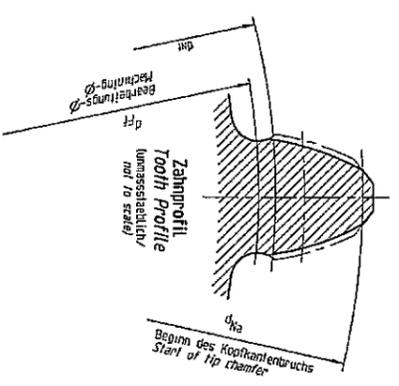
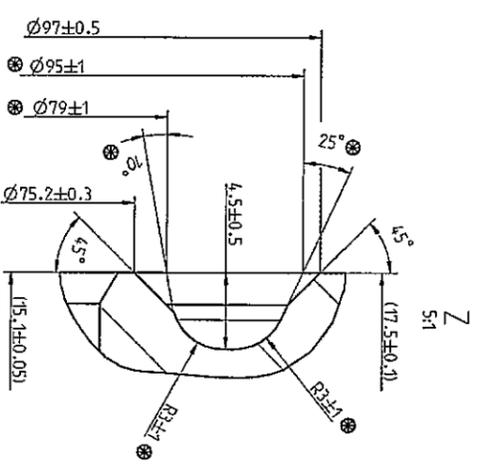
Title **Area 1 Manager** E-mail **ettore.camarda@magna.com**

FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: Approved Rejected Other

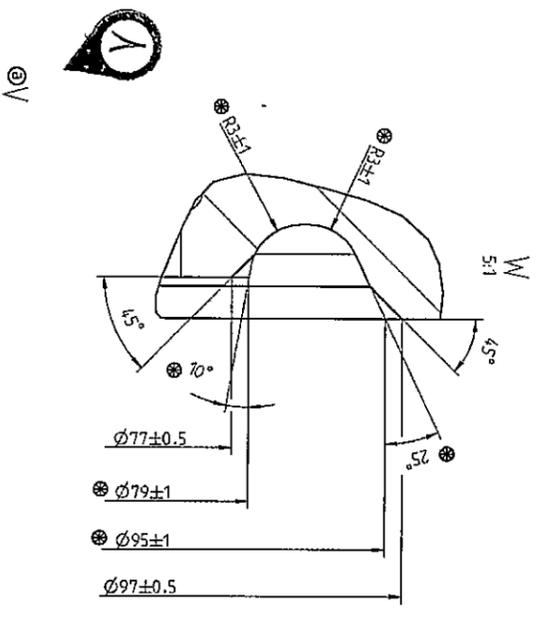
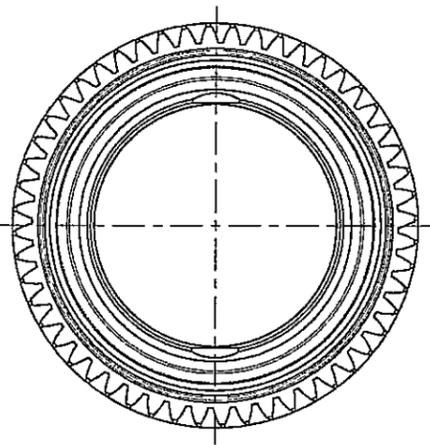
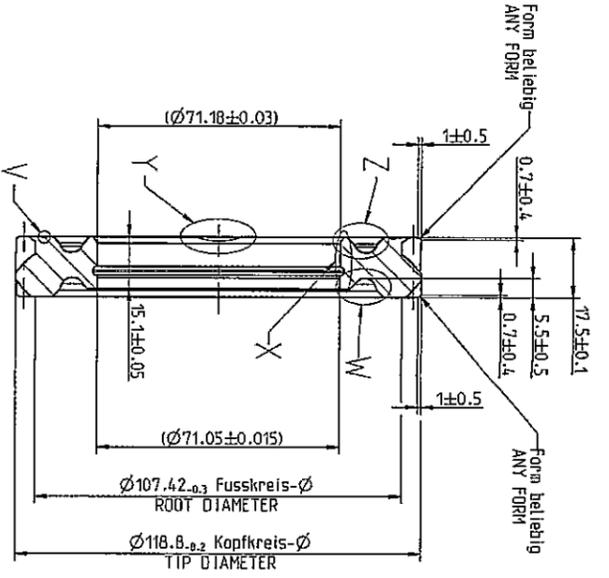
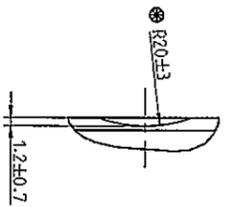
Customer Signature  Date **17.05.16**

Print Name _____ Customer Tracking Number (optional) _____

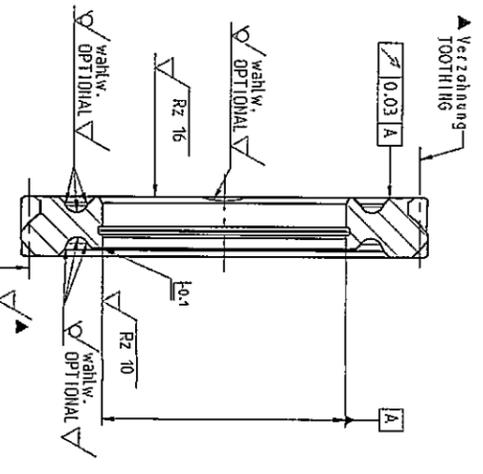


Kanten an Laufverzahnungen Tooth chamfers unmaßstäblich nur für Maßstab

2 Entlüftungsnuten gleichmäßig am Umfang verteilt
TWO SLOTS EQUALLY SPREAD



Optionale Erkennungsritze/OPTIONAL ID GROOVE 10:1



⊗ Rohlgeometrie, keine Prüfmethode
RAW PART GEOMETRY, AS REFERENCE ONLY

⊗ Rohlteilnummer/RAW PART NUMBER
250.14220.90 UND/AND 250.14220.91

Härteangaben siehe
 Doppelrand 2./RW, V51,
 250.14220.75 und 250.14220.75
 HEAT TREATMENT SEE
 DOUBLE GEAR 2ND/REV CPL,
 250.14220.75 AND 250.14220.75

Vorbeispiel, Fertigmasse ▲ (...)
 siehe 250.14220.75 und 250.14220.75
 PREMACHINED, FINISHED DIMENSION ▲ (...)
 SEE 250.14220.75 AND 250.14220.75

Nähere Angaben zur Verzahnung (nach dem Schwerfien)
 siehe Verzahnungsblatt gleicher Nummer
 FURTHER GEAR DATA (AFTER WELDING) SEE
 DATA SHEET SAME NUMBER

A	
Ausseerverzahnung / EXTERNAL GEAR	
Zahnwelle / SPLINE DATA EXTERNAL	
Benennung / REFERENCE DIAMETER d_g	2.000
Modul / MODUL m_g	52
Zahnzahl / NUMBER OF TEETH z	20, 0°
Einflankendrehung / HELIX ANGLE α_n	22, 0°
Spannenwinkel / HELIX ANGLE β	LEFT, Links
Richtung / HAND OF HELIX	
Benennung / BASIC FACT	0.550
Profilveränderungsbereich NOTIFICATION α_{mod}	7
Qualität / GEAR TOOTH QUALITY (DIN 3980)	
Zahnradklasse / TOOTH CLASS	
Zahnradklasse / GEAR DIRECTION s_g	effektive s_g
Zahnradklasse / TOOTH THICKNESS s_g	3.664
Zahnradklasse / TOOTH THICKNESS s_g	3.439
Hydraulik-Ø / Bore dia d_h	3.50
Flankendrehung / RESISTANCE TO WEAR R_{eff}	118.006
Erkennungsritze / ACTUAL	117.945

A	
GEAR 2ND	
Zahnrad 2. Gang	
SPEZIFIKATION	
Benennung / ITEM NAME	2501422075
Material / MATERIAL	201C0316
Produktionsart / PRODUCTION METHOD	F
Revisionsnummer / REVISION NUMBER	A1
SPEZIFIKATION	
Benennung / ITEM NAME	GEAR 2ND
Material / MATERIAL	201C0316
Produktionsart / PRODUCTION METHOD	F
Revisionsnummer / REVISION NUMBER	A1
SPEZIFIKATION	
Benennung / ITEM NAME	GEAR 2ND
Material / MATERIAL	201C0316
Produktionsart / PRODUCTION METHOD	F
Revisionsnummer / REVISION NUMBER	A1