312801

GETRAG

Part Submission Warrant

Part Name	Speed Gear 5	Customer Part Number	250.1.4389.35
Shown on Drawing No.	250.1.4389.35	Organization Part #	
Engineering Change Level	- C006340_MIP_1	Dated	18-ott-16
Additional Engineering Changes		Dated	

Safety and/or Government Regulation ☐ Yes ☑ No Purchase Order No. Weight (kg) 0.4700

Checking Aid No. Checking Aid Engineering Change Level Dated

ORGANIZATION MANUFACTURING INFORMATION

GETRAG MODUGNO

VIA DEI CICLAMINI N°4

MODUGNO BARI 70026 ITALY

CUSTOMER SUBMITTAL INFORMATION

DCT250

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

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

REQUESTED SUBMISSION LEVEL

- ☑ 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: **New E.R. supplier introduction (already in place on other variants)**

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

Organization Authorized Signature Camarda Date 31/01/2017

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 31/01/17

Print Name F. SPEZZACATENA Customer Tracking Number (optional)

DaimlerChrysler Ford GM

Part Submission Warrant

Part Name: Kupplungsscheibe | Cust.Part Number: 0558725300

Shown on Drawing Number: 0558725300 | Org.Part Number: 2154

Engineering Change Level: d | Dated: 10. Jan. 12

Additional Engineering Changes: | Dated:

Safety and/or Government Regulation ☑ Yes ☐ No | Purchase Order No. | Weight (kg): 0,1230

Checking Aid Number: standard | Checking Aid Engineering Change Level | Dated

ORGANISATION MANUFACTURING INFORMATION

Finova Feinschneidtechnik GmbH
Organisation Name & Supplier/Vendor Code

Am Weidenbroich 24
Street Address

Remscheid | NRW | 42897 | Germany
City | Region | Postal Code | Country

CUSTOMER SUBMITTAL INFORMATION

Getrag
Customer Name/Division

Buyer/Buyer Code

Application

MATERIAL REPORTING

Has Customer-required Substances of Concern information been reported? ☐ Yes ☑ No ☐ n/a

Submitted by IMDS or other customer format: look at IMDS ID: 170543610 / 1

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

REASON FOR SUBMISSION

- ☐ Initial submission
- ☐ Engineering Change(s)
- ☐ Tooling: Transfer, Replacement, Refurbishment, or additional
- ☑ Correction of Discrepancy
- ☐ Tooling inactive > than 1 year
- ☐ Change to Optional Construction or Material
- ☐ Sub-Supplier or Material Source Change
- ☐ Change in Part Processing
- ☐ Parts produced at Additional Location
- ☐ 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: / cavity: 1(1) / Moulding

DECLARATION

I 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 part-construction out of the documented injection moulding were produced at the production rate of 1488/ 8 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: see deviation report

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

Organisation Authorized Signature: i.A. Dumnick | Date: 03.04.2012

Print Name: S. Dumnick | Phone No. 02191 / 5631 167 | Fax No. 02191 / 5631 - 961

Title: QS | E-Mail: s.dumnick@finova-gmbh.de

FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition. ☐ Approved ☐ Rejected ☒ Other: Approved with ...

Customer Signature: DEQ T. ... | Dated: 04.04.2012

Print Name: T. Wingel... | Customer Tracking Number (optional):

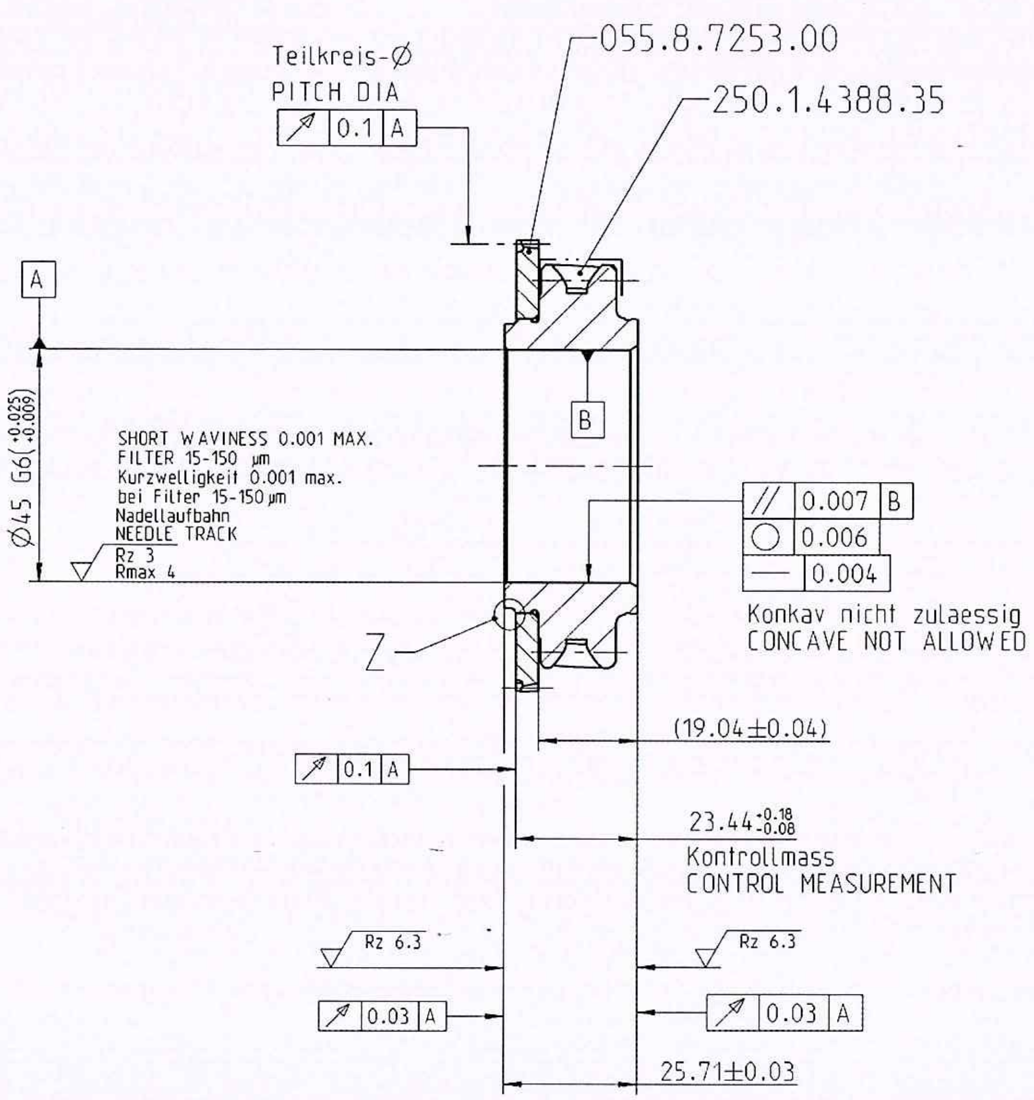
GETRAG Getriebe- und Zahnradfabrik Hermann Hagenmeyer GmbH & Cie KG

Tool.-No.: 0 | Projekt-No.: | PSW No.: EMPB2154.00.12031400

March 2006 CFG-1001

Design Release: 2016-10-18 Agapi.Raidt
Function Release: 2016-10-19 Michael.Gierlatta
Geardata Release: not required
Material Release: not required
SAP Release: 2016-10-20 Hartmut.Kobald
Document Status: approved

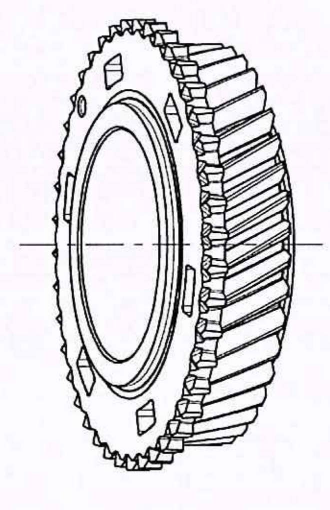
Fuer Freigabeinformation freihalten! KEEP FREE FOR RELEASE INFORMATION!



Fuer GETRAG intern:
Dieses Bauteil ist Bestandteil der Gruppen Nummer 250.1.6512.00
Lieferant/Hersteller: Bari
GETRAG INTERNAL ONLY:
THIS COMPONENT IS PART OF GROUP NUMBER 250.1.6512.00
SUPPLIER/MANUFACTURER: Bari

Fuer die Lieferung und Kennzeichnung im Data Matrix Code
(Bauteil und/oder Verpackung)
muss die Gruppen Nummer 250.1.6512.00 verwendet werden.
FOR SHIPPMENT AND IDENTIFICATION WITHIN THE DATA MATRIX CODE
(COMPONENT AND/OR PACKAGING)
THE GROUP NUMBER 250.1.6512.00 HAS TO BE USED.

PPAP nach / ACCORDING TO 250.1.4389.35



kugelgestrahlt nach GN 4110
SHOT PEENED ACCORDING TO GN 4110
in diesem Bereich kugelgestrahlt nach dem Schleuderrad-Verfahren
IN THIS AREA SHOT PEENED ACCORDING TO CENTRIFUGAL WHEEL-PROCESS

Prozessfolge:
Verzahnung fraesen - haerten - strahlen - Verzahnungs-Hartbearbeitung
keine Spuren der Hartbearbeitung in der Zahnfußausrundung bzw.
im Zahnfuß zulaessig !
PROCESS SEQUENCE:
HOBBING OF TEETH - HARDENING - SHOT-PEENING - TEETH HARD MACHINING
NO MARKS OF HARD MACHINING IN THE ROOT FILLET RESPECTIVELY
ROOT PERMISSIBLE !

Technische Sauberkeit / TECHNICAL CLEANLINESS:

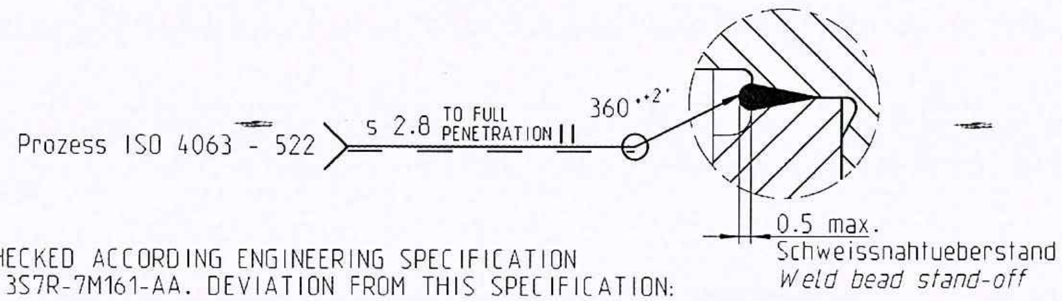
Es gelten die Anforderungen nach GN 4340-1
CLEANLINESS REQUIREMENTS OF THE GN 4340-1 HAVE TO BE ABIDED

Fuer Getrag internen Gebrauch / FOR GETRAG INTERNAL USE
Bauteiloberflaeche fuer Pruefung / SURFACE TO PROVE:
250 cm²

Naehere Angaben zur Verzahnung
siehe Verzahnungsblatt
250.1.4388.35
FURTHER GEAR DATA SEE
DATA SHEET NUMBER
250.1.4388.35

(✓)

-0.3 -0.1



Z
unmassstaeblich
not to scale

CHECKED ACCORDING ENGINEERING SPECIFICATION
S 3S7R-7M161-AA. DEVIATION FROM THIS SPECIFICATION:
LONGITUDINAL MICRO CRACKS IN THE WELDING MATERIAL ARE
PERMISSIBLE TO A TOTAL OF 2% AROUND THE CIRCUMFERENCE.

GCG/TS 803001	0	<M>
	0	▽
GN 3010	0	<M>
	0	<C>
	0	<A>

Buchst. / CHANGE INDEX	Anzahl / NUMBER	Aend.-Nr. / CHANGE REQUEST NO.	Aenderung / MODIFICATION	Datum / DATE
---	---	C006340_MIP_1	Spezifikationsreifegrad 3 erteilt / MATURITY LEVEL OF SPECIFICATION 3 APPROVED	20161018

CAD Prof Engineer

Aenderung --nur mittels CAD zulaessig; FMEA ueberpruefen-- --ONLY ALLOWED BY CAD; CHECK FMEA--

Massstab / SCALE: M: 1:1 (--)

Allgemeintoleranzen fuer Laengenmasse. Form und Lage ISO 2768 - mH gebrochene Kanten, Radien und Winkelmasse ISO 2768 - v
GENERAL TOLERANCES FOR LINEAR DIMENSIONS, FORM AND POSITION ISO 2768 - mH; CHAMFERS, RADII AND ANGULAR DIMENSIONS ISO 2768 - v

Informationen auf dieser Zeichnung sind ohne Angaben zu Verwendung und Freigabe unverbindlich.
INFORMATION ON THIS DRAWING PROVIDED WITHOUT OBLIGATION IF USAGE AND RELEASE ARE NOT SHOWN.
Auswertung der Durchmessermessung erfolgt nach der Gauss-Methode (Arithmetischer Mittelwert)
EVALUATION OF THE DIAMTER MEASUREMENT IS CARRIED OUT ACCORDING TO THE GAUSS METHOD (ARITHMETICAL MEAN VALUE)

Form- und Lagetolerierung / FORM AND POSITION TOLERANCES / EN ISO 1101	Tolerierung / TOLERANCING / ISO 8015	Oberflaechenangaben / SURFACE TEXTURE / GN 4005	Werkstueckkanten / BREAK EDGES / ISO 13715

Werkstoff / MATERIAL
Halbzeug / SEMI-FINISHED: -

GETRAG
Getriebe- und Zahnradfabrik Hermann Hagenmeyer GmbH & Cie KG

oelbenetzte Oberflaeche / OIL WETTED SURFACE: 0 mm²
Gesamtoberflaeche / SURFACE AREA: 0 mm²
Masse / MASS: 0.470 kg
Schutzvermerk nach ISO 16016 beachten / PROTECTION PER ISO 16016

Benennung / ITEM NAME: SPEED GEAR 5TH. CPL.
Schaltrad 5. Gang vst.
Artikel-Nr./ ITEM NO.: 2501438935
CAD-Modell: 2501438935
Blatt/SHEET 1 von/OF 1
Reifegrad / MATURITY: 3
Format / SIZE: A2

Ersatz fuer / SUBSTITUTE FOR: -

INTRALINK DATA	CHECKED IN BY	CHECKED IN ON: dd.mm.yyyy hh:mm:ss	VERSION
Zchng / DRW:	Agapi.Raidt	18.10.2016 16:37:22	2
MODEL:	Agapi.Raidt	18.10.2016 08:30:57	0-

Document Revision: 20161018163820, printed on 2017-08-29 at 09:29 by Mirko.Vicenti