



Part Name:	<u>Speed Gear Rev</u>	Cust. Part No.:	<u>250.1.3649.04</u>
Shown on Drawing No.:	<u>250.1.3649.04</u>	Org. Part No.:	<u>250.1.3649.04</u>
Engineering Change Level:	<u>c C012144_MIP_2</u>	Dated:	<u>13/03/2018</u>
Additional Engineering Changes:	<u>na</u>	Dated:	<u>na</u>
Safety and/or Government Regulation:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No.:	<u>0.758</u>
Checking Aid No.:	<u>na</u>	Checking Aid Engineering Change Level:	<u>na</u>
		Dated:	<u>na</u>

ORGANIZATION MANUFACTURING INFORMATION

CUSTOMER SUBMITTAL INFORMATION

Getrag S.p.A.
 Organization Name & Supplier / Supplier Code

Via dei Ciclamini, 4
 Street Address

<u>Modugno (Ba) Puglia</u>	<u>70026</u>	<u>Italy</u>
City	Region	Country

Bari assembly line (GPS4)
 Customer Name / Division

na
 Buyer / Buyer Code

DCT300
 Application

MATERIALS REPORTING

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

Submitted by IMDS or other customer format: _____
 (IMDS=International Material Data System)

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 checked="" type="checkbox"/> Correction of Discrepancy | <input type="checkbox"/> Parts Produced at Other or Additional Location |
| <input type="checkbox"/> Tooling Inactive > than 1 year | <input type="checkbox"/> Other - please specify below (e.g. additional specific customer requirement or e.g. change of EP parts) |

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 na

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 850 / 24 hours. I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from the declaration below.

EXPLANATION / COMMENTS: - Diameters on detail W changed

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

Organization Authorized Signature: _____ Date: 20/06/2018

Print Name: Tursi Dario Maria Phone No.: +39 0805858360 Fax No.: _____

Title: 7DCT300 Launch Manager E-Mail: dario.tursi@magna.com

FOR CUSTOMER USE ONLY (If applicable))

Part Warrant Disposition: Approved Rejected Other

Customer Signature: _____ Date: 20.06.18

Print Name: _____ Customer Tracking No.: _____

Drawing 3649.04 update from index "b" to "c"

Short description:	c	3x	C012144_HIP_2	A/2: GCG805000-02_20MnCrSS war/WAS GCG_805000_02_20MnCrSS VIEW W: F/3: Ø106.1±0.5 war/WAS Ø104.8±0.5 und/AND Ø104.8±1 war/WAS Ø103±1;	20180313
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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	NO	solo modifica nominale
7 Control plan	YES	
8 Measurement system analysis studies	NO	
9 Dimensional results	YES	
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

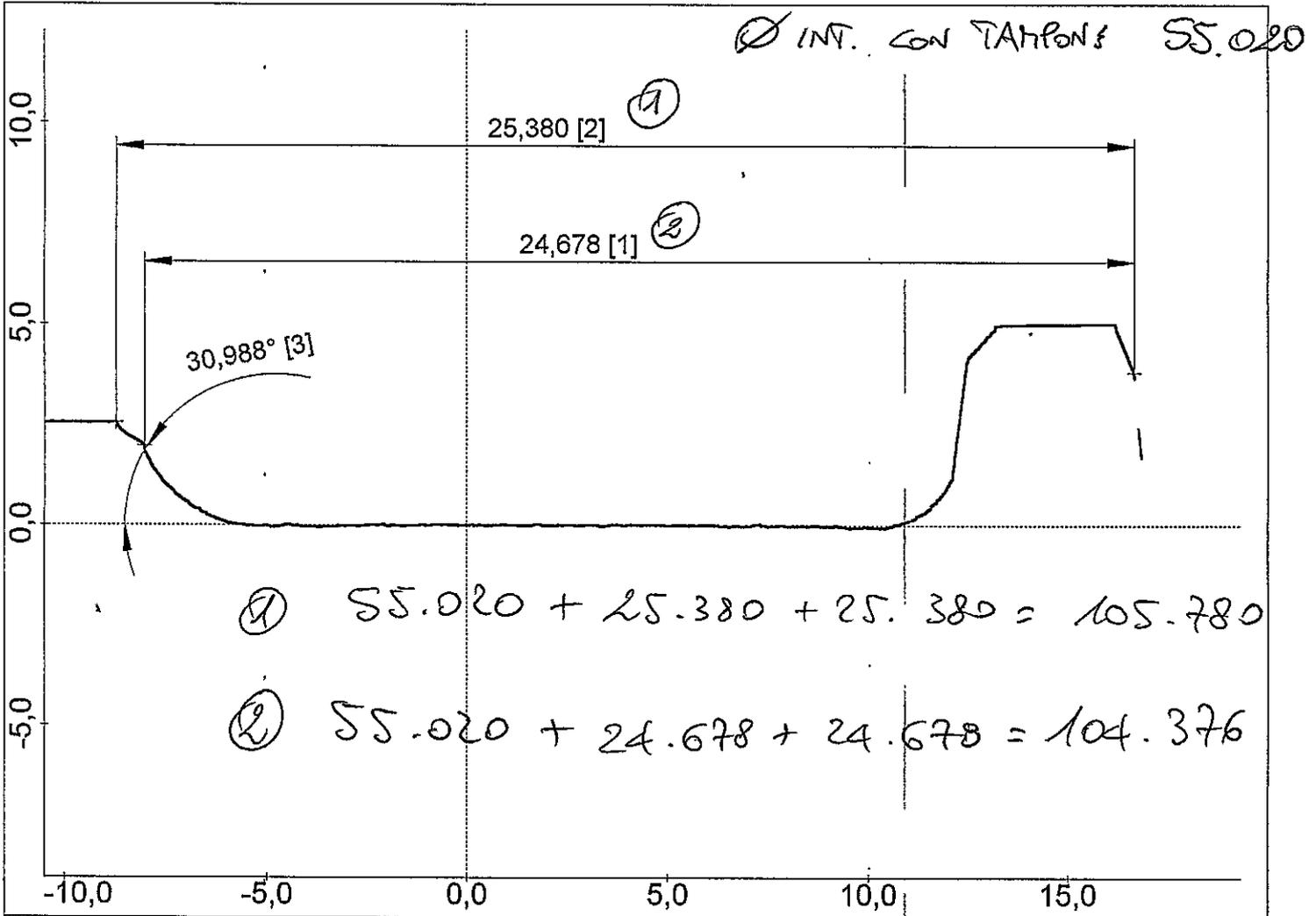
Other requirements	Required	Note
1 PSW Raw part	NO	
2 PSW E.P. part	NO	
3 PSW Engagement Rings	NO	

20/06/2018

Via dei Ciclamini 4, Modugno (BA)

Oggetto: SRW
 Numero: 3648.5 → 3649.04
 Operatore: TURNO B
 Data, ora: 15.06.2018, 15:55
 Nota: PROFILO CAM.1 PEZZO.1
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002



PERTHOMETER CONCEPT

Area Riservata alla Produzione

Valutazione Profilo

OK

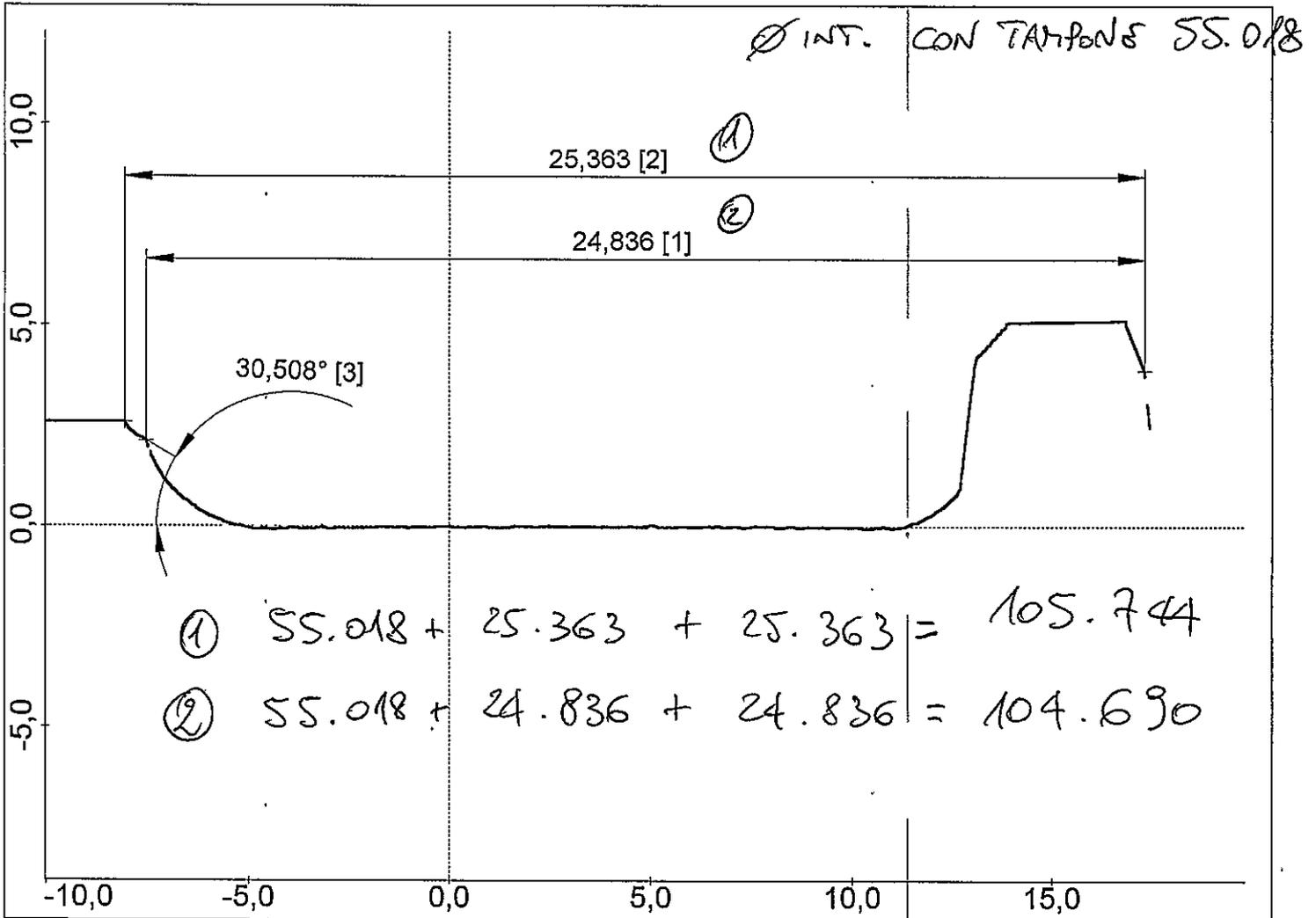
NOK

N°BADGE ODP RICEVENTE

Via dei Ciclamini 4, Modugno (BA)

Oggetto: SRW
 Numero: 3648.5 → 3649.04
 Operatore: TURNO B
 Data, ora: 15.06.2018, 15:58
 Nota: PROFILO CAM.1 PEZZO.2
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002



PERTHOMETER CONCEPT

Area Riservata alla Produzione

Valutazione Profilo

OK

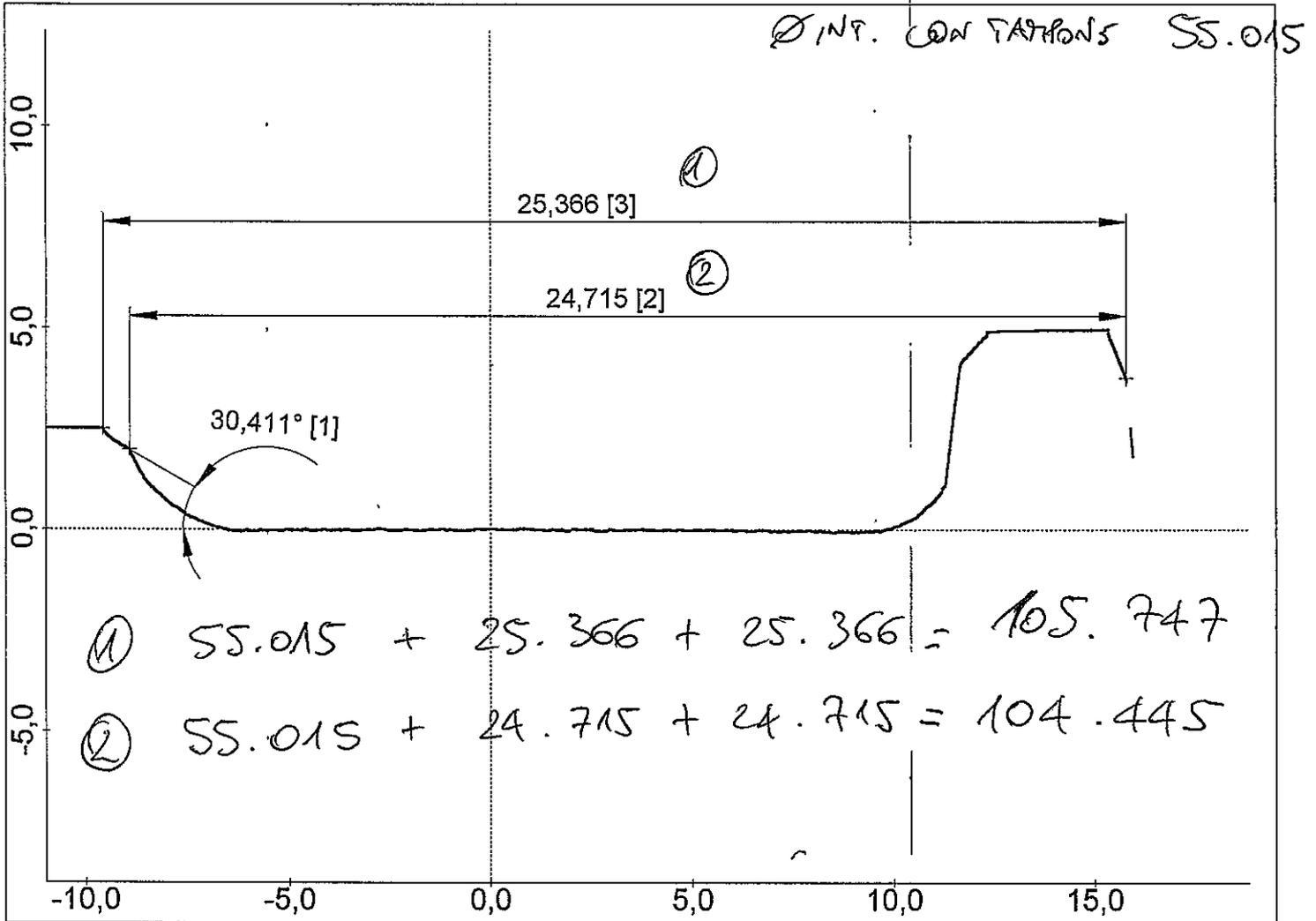
NOK

N°BADGE ODP RICEVENTE

Via dei Ciclamini 4, Modugno (BA)

Oggetto: SRW
Numero: 3648.5 → 3649.04
Operatore: TURNO B
Data, ora: 15.06.2018, 16:01
Nota: PROFILO CAM.1 PEZZO.3
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002



PERTHOMETER CONCEPT

Area Riservata alla Produzione

Valutazione Profilo

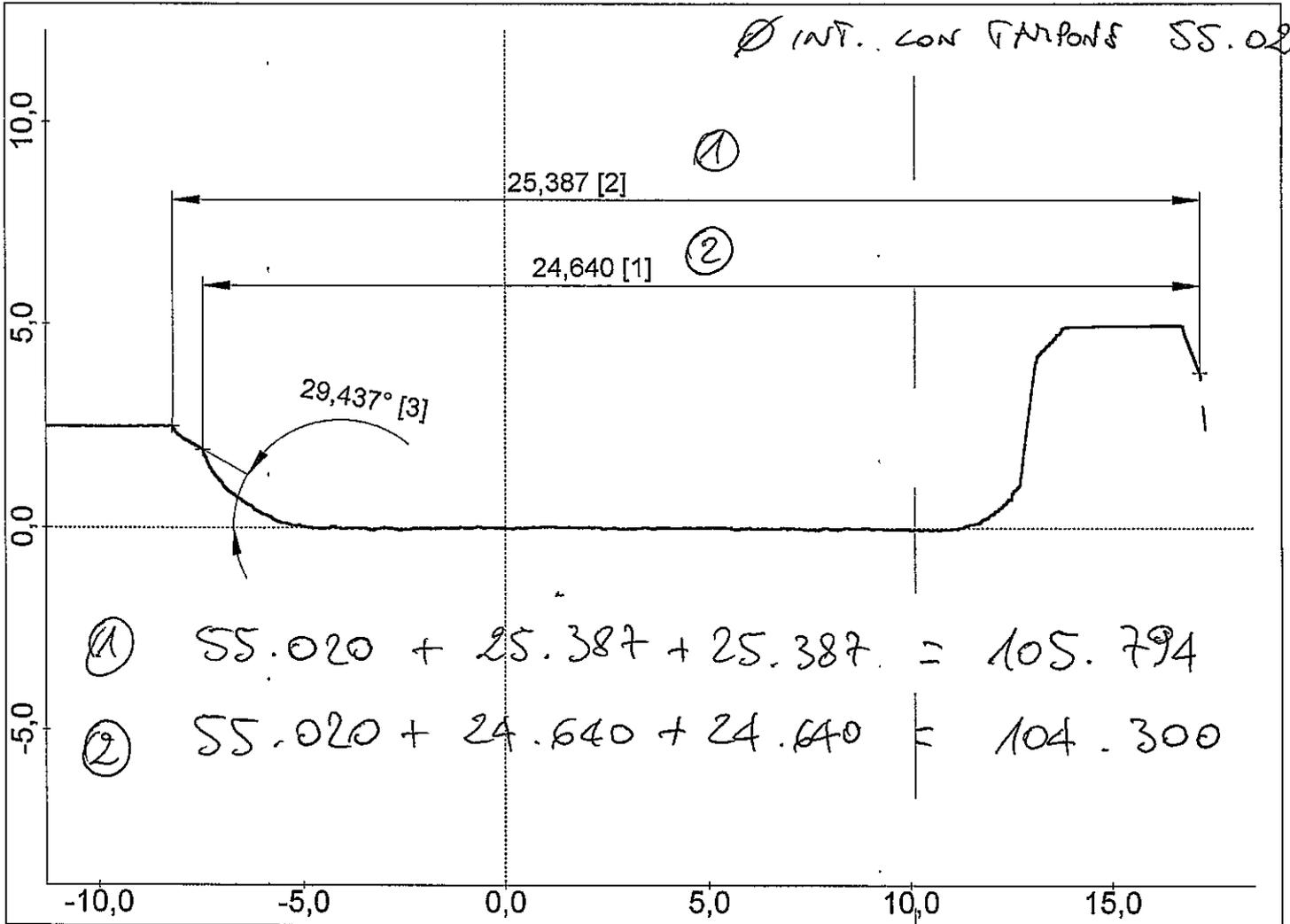
OK

NOK

N°BADGE ODP RICEVENTE

Via dei Ciclamini 4, Modugno (BA)

Oggetto:	SRW
Numero:	3648.5 → 3649.04
Operatore:	TURNO B
Data, ora:	15.06.2018, 16:03
Nota:	PROFILO CAM.1 PEZZO.4
Tastatore:	PCV 350 / 33 mm
Macchina:	MOA 416120 002



PERTHOMETER CONCEPT

Area Riservata alla Produzione

Valutazione Profilo

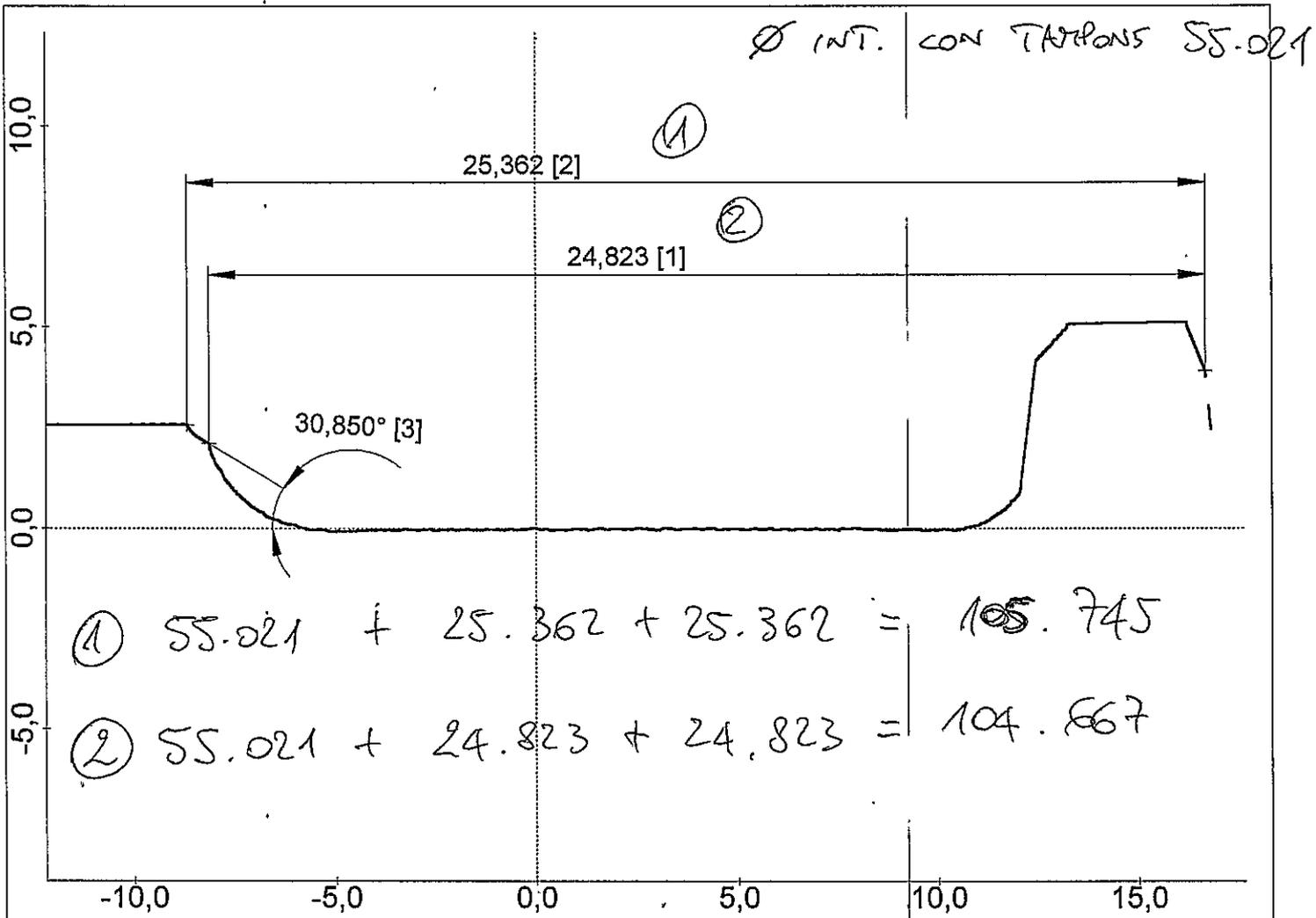
OK

NOK

N°BADGE ODP RICEVENTE

Via dei Ciclamini 4, Modugno (BA)

Oggetto:	SRW
Numero:	3648.5 → 3649.04
Operatore:	TURNO B
Data, ora:	15.06.2018, 16:04
Nota:	PROFILO CAM.1 PEZZO.5
Tastatore:	PCV 350 / 33 mm
Macchina:	MOA 416120 002



PERTHOMETER CONCEPT

Area Riservata alla Produzione

Valutazione Profilo

OK

NOK

N°BADGE ODP RICEVENTE



Part Name:	<u>Speed Gear Rev</u>	Cust. Part No.:	<u>250.1.3649.05</u>
Shown on Drawing No.:	<u>250.1.3649.05</u>	Org. Part No.:	<u>250.1.3649.05</u>
Engineering/Change Level:	<u>c C012144_MIP_2</u>	Dated:	<u>13/03/2018</u>
Additional Engineering Changes:	<u>na</u>	Dated:	<u>na</u>
Safety and/or Government Regulation:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No.:	<u>0.758</u>
Checking Aid No.:	<u>na</u>	Checking Aid Engineering Change Level:	<u>na</u>
		Dated:	<u>na</u>

ORGANIZATION MANUFACTURING INFORMATION

CUSTOMER SUBMITTAL INFORMATION

Getrag S.p.A.
Organization Name & Supplier / Supplier Code

Via dei Ciclamini, 4
Street Address

<u>Modugno (Ba) Puglia</u>	<u>70026</u>	<u>Italy</u>
City	Region	Postal Code
		Country

Bari assembly line (GPS4)
Customer Name / Division

na
Buyer / Buyer Code

DCT300
Application

MATERIALS REPORTING

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

Submitted by IMDS or other customer format: _____
(IMDS=International Material Data System)

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 checked="" type="checkbox"/> Correction of Discrepancy | <input type="checkbox"/> Parts Produced at Other or Additional Location |
| <input type="checkbox"/> Tooling Inactive > than 1 year | <input type="checkbox"/> Other - please specify below (e.g. additional specific customer requirement or e.g. change of EP parts) |

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 na

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 850 / 24 hours. I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from the declaration below.

EXPLANATION / COMMENTS: - Diameters on detail W changed

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

Organization Authorized Signature: _____ Date: 20/06/2018

Print Name: Tursi Dario Maria Phone No.: +39 0805858360 Fax No.: _____

Title: 7DCT300 Launch Manager E-Mail: dario.tursi@magna.com

FOR CUSTOMER USE ONLY (If applicable))

Part Warrant Disposition: Approved Rejected Other _____

Customer Signature: [Signature] Date: 20/06/18

Print Name: _____ Customer Tracking No.: _____



Part Name: Speed Gear Rev Cust. Part No.: 250.1.4229.04
 Shown on Drawing No.: 250.1.4229.04 Org. Part No.: 250.1.4229.04
 Engineering Change Level: b C012144_MIP_2 Dated: 13/03/2018
 Additional Engineering Changes: na Dated: na
 Safety and/or Government Regulation: Yes No Purchase Order No.: _____ Weight (kg): 0.794
 Checking Aid No.: na Checking Aid Engineering Change Level: na Dated: na

ORGANIZATION MANUFACTURING INFORMATION

CUSTOMER SUBMITTAL INFORMATION

Getrag S.p.A.
 Organization Name & Supplier / Supplier Code
Via dei Ciclamini, 4
 Street Address
Modugno (Ba) Puglia 70026 Italy
 City Region Postal Code Country

Bari assembly line (GPS4)
 Customer Name / Division
na
 Buyer / Buyer Code
DCT300
 Application

MATERIALS REPORTING

Has customer-required Substances of Concern information been reported? Yes No n/a
 Submitted by IMDS or other customer format: _____
 (IMDS=International Material Data System)
 Are polymeric parts identified with appropriate ISO marking codes? Yes No n/a

REASON FOR SUBMISSION (Check at least one)

- 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 Other or Additional Location
- Other - please specify below (e.g. additional specific customer requirement or e.g. change of EP parts)

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 na

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 850 / 24 hours. I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from the declaration below.

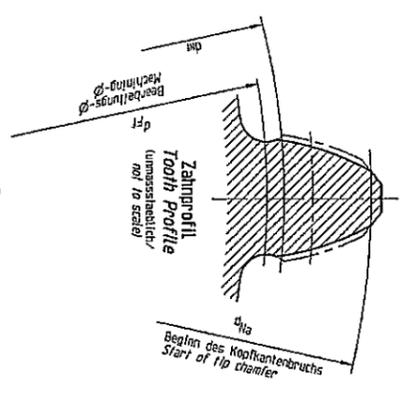
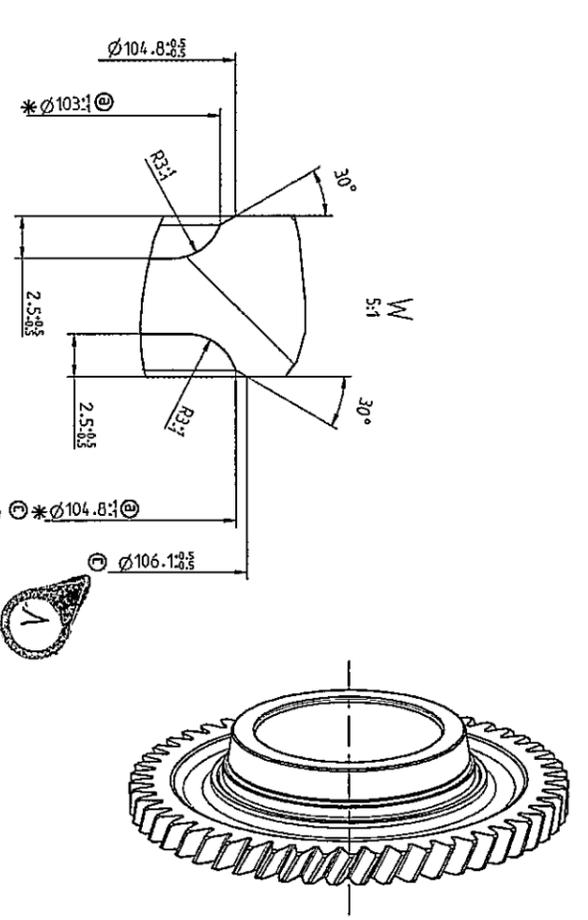
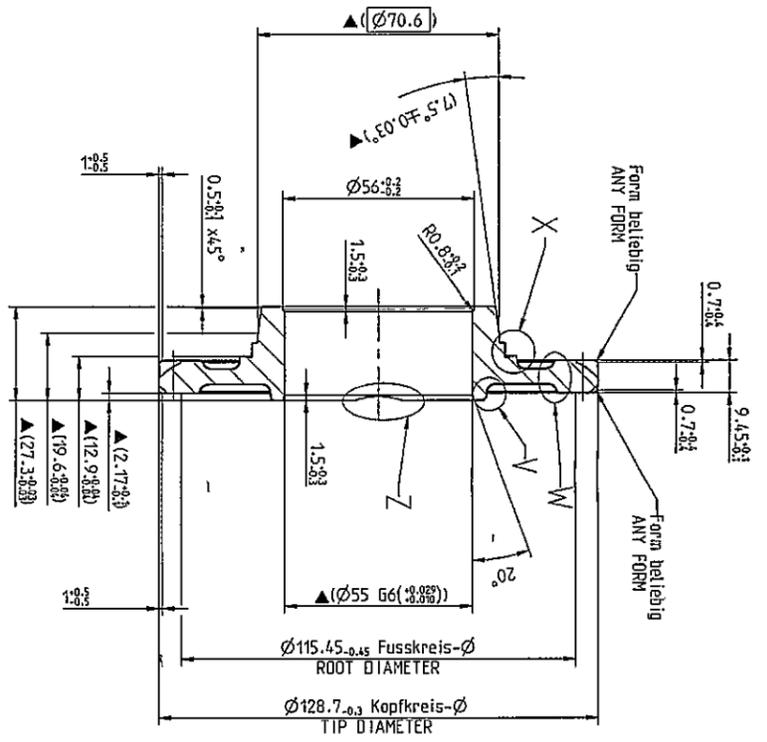
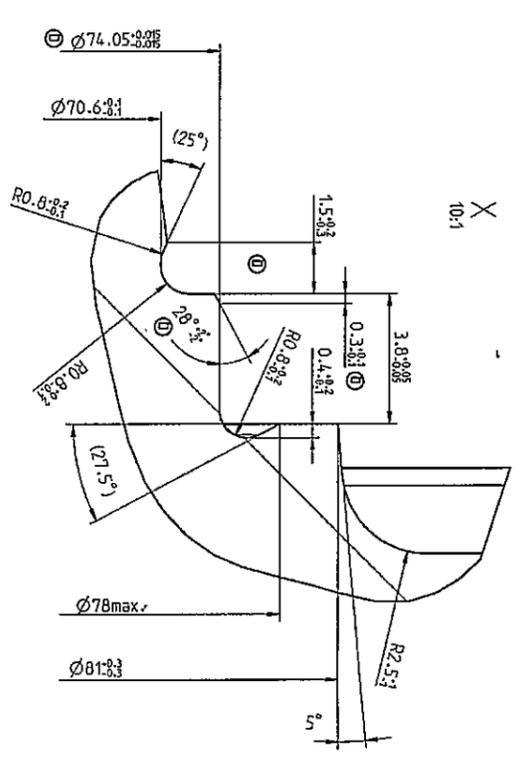
EXPLANATION / COMMENTS: - Diameters on detail W changed

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

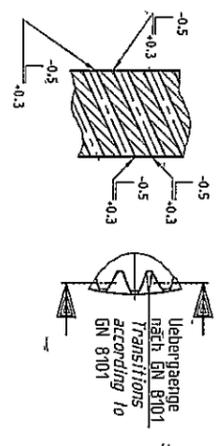
Organization Authorized Signature: _____ Date: 20/06/2018
 Print Name: Tursi Dario Maria Phone No.: +39 0805858360 Fax No.: _____
 Title: 7DCT300 Launch Manager E-Mail: dario.tursi@magna.com

FOR CUSTOMER USE ONLY (If applicable))

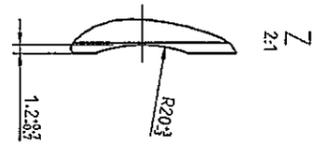
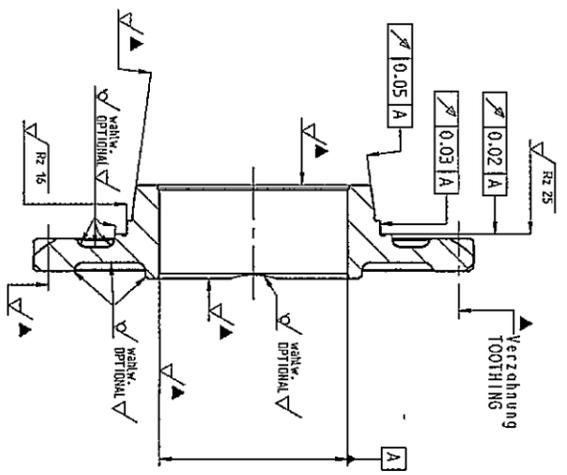
Part Warrant Disposition: Approved Rejected Other _____
 Customer Signature: [Signature] Date: 20.06.18
 Print Name: _____ Customer Tracking No.: _____



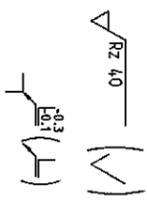
Kanten an Lauferzahnungen / Tooth chamfers
 unmassstäblich / not to scale



Uebergänge
 nach GN 8101
 Transitions
 according to
 GN 8101



* Profilgeometrie
 RAW PART GEOMETRIE



Vorbearbeitet, Fertigungs-▲ (...)
 siehe 250.1.3648.05
 PREMACHINED, FINISHED DIMENSION ▲ (...)
 SEE 250.1.3648.05
 Nähere Angaben zur Verzahnung
 siehe Zeichnungsblatt gleicher Nummer
 DATA SHEET SAME NUMBER

A	
Ausserverzahnung / EXTERNAL GEAR	
Zahnreihe / SPLINE DATA EXTERNAL	
Bezugsdrehener / REFERENCE DIRECTION	2.05
Modul / MODUL m_n	52
Zahnzahl / NUMBER OF TEETH z	17-5*
Engstirnigkeit / NORMAL PRESSURE ANGLE α_n	28.0°
Schwenkwinkel / HELIX ANGLE β	
Richtung / HAND OF HELIX	RIGHT, RECHTS
Erzeugend / BASIC RACK	
Profilverzahnung/GEOMETRIE MODIFICATION	1.202
Qualität / GEAR TOOTH QUALITY	9
Toleranzen / TOLERANCE CLASS	
Zahnweite / TOOTH THICKNESS s_n	3.900
Zahnhöhe / TOOTH THICKNESS h_n	3.865
Endmessung / ACTUAL	3.0
Prüfmasz / MEASUREMENT OVER BALL H_{K1}	125.549
Endmessung / ACTUAL	125.449

B	
Ausserverzahnung / EXTERNAL GEAR	
Zahnreihe / SPLINE DATA EXTERNAL	
Bezugsdrehener / REFERENCE DIRECTION	2.05
Modul / MODUL m_n	52
Zahnzahl / NUMBER OF TEETH z	17-5*
Engstirnigkeit / NORMAL PRESSURE ANGLE α_n	28.0°
Schwenkwinkel / HELIX ANGLE β	
Richtung / HAND OF HELIX	RIGHT, RECHTS
Erzeugend / BASIC RACK	
Profilverzahnung/GEOMETRIE MODIFICATION	1.202
Qualität / GEAR TOOTH QUALITY	9
Toleranzen / TOLERANCE CLASS	
Zahnweite / TOOTH THICKNESS s_n	3.900
Zahnhöhe / TOOTH THICKNESS h_n	3.865
Endmessung / ACTUAL	3.0
Prüfmasz / MEASUREMENT OVER BALL H_{K1}	125.549
Endmessung / ACTUAL	125.449

C	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

D	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

E	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

F	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

G	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

H	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

I	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

J	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

K	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

L	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

M	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

N	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

O	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

P	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

Q	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

R	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

S	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

T	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

U	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

V	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

W	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

X	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

Y	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

Z	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AA	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AB	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AC	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AD	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AE	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AF	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AG	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AH	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AI	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AJ	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AK	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AL	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	

AM	
Kanten an Lauferzahnungen / Tooth chamfers	
unmassstäblich / not to scale	
Uebergänge nach GN 8101 / Transitions according to GN 8101	
Kanten an Lauferzahnungen / Tooth chamfers</	

