

312967



Part Submission Warrant

Part Name	Input shaft Inner	Customer Part Number	250.6.5178.35
Shown on Drawing No.	250.6.5178.35	Organization Part #	
Engineering Change Level	b 36071	Dated	03-giu-14
Additional Engineering Changes		Dated	
Safety and/or Government Regulation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No.	
Weight (kg)			1.8660
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

<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

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 _____

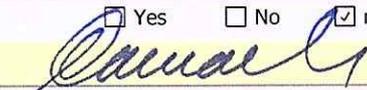
DECLARATION

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: **Gear Data change: ca left flank change (see Gear Data, no change on final drawing)**

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

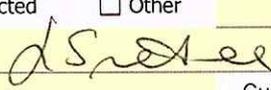
Organization Authorized Signature  Date **16/01/2015**

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

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

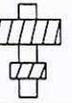
FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: Approved Rejected Other _____

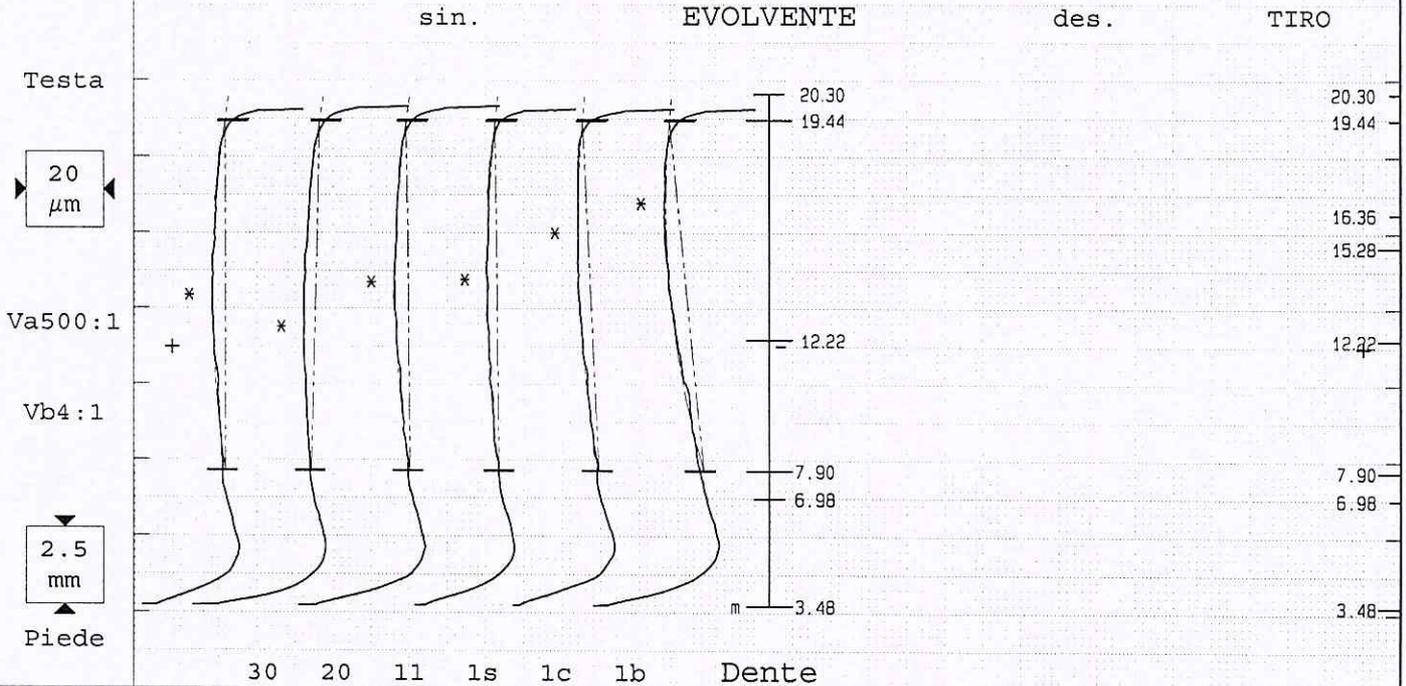
Customer Signature  Date **16.01.15**

Print Name _____ Customer Tracking Number (optional) _____

Ruota cilindrica Evolvente/Elica



Nr. prog.: STI0412_06_0	P26 B7681	Controllore: turno B	Data: 16.01.2015 12:49
Denominazione: Input Inner Z39	Numero denti z 39	Largh.fasc.dent. b 14.4mm	
Numero disegno.: 250.6.5178.35-IIF	Modulo m 1.75mm	Tratto evolv. La 11.54/7.38mm	
Comessa/serie nr.: 1	Angolo pressione 17°30'00"	Tratto elica Ls 11.52mm	
Masch.Nr.: M001	Spindel: Forme 501	Angolo elica 30°00'00"	Inizio elab. M1 7.9mm
Untersuchungszweck: Laufende Messung	Ø Base db 74.0531mm	Palpatore Ø (#2C) 1mm	
Werkzeug:	Charge:	Ang. Base 28°28'50"	Fat.scor.pr. x .1



Tolerance	Medio	Val.misur [µm]						Qual	Tolerance	Val.misur [µm]						Medio	Qual	
fHam	±6	1	Var a 6															
fHa	±10	1	0	-2	1	1	4	9										
Fa		4	3	4	3	2	4	8										
ffa	4	3	3	2	2	2	3	4										
Ca	2/6	3	3	3	3	3	3	4										
fKo		0	0	0	0	0	0	0										

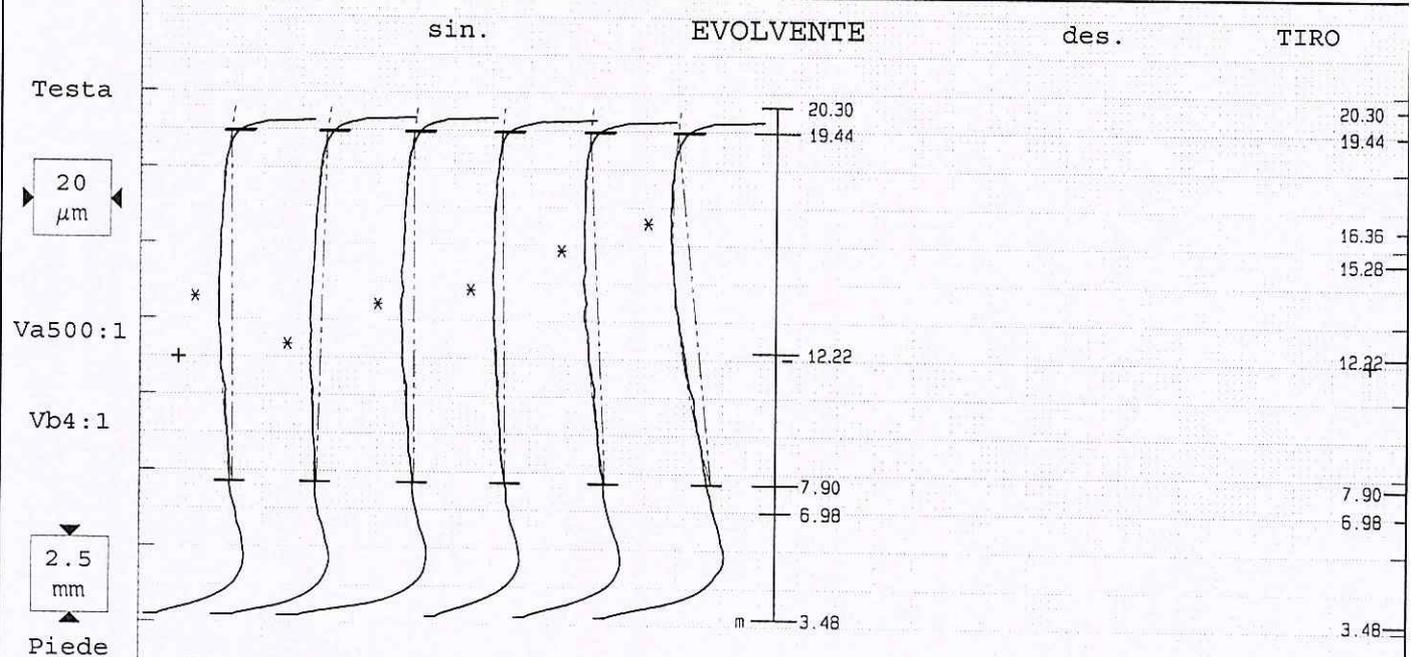
VDI



Ruota cilindrica Evolvente/Elica



Nr. prog.: STI0412 06 0	P26 B7681	Controllore: turno B	Data: 16.01.2015 12:53
Denominazione: Input Inner Z39		Numero denti z 39	Largh.fasc.dent. b 14.4mm
Numero disegno.: 250.6.5178.35-IIF		Modulo m 1.75mm	Tratto evolv. La 11.54/7.38mm
Comessa/serie nr.: 2		Angolo pressione 17°30'00"	Tratto elica L8 11.52mm
Masch.Nr.: M001	spindel: Formel	Angolo elica 30°00'00"	Inizio elab. M1 7.9mm
Untersuchungszweck: Laufende Messung		Ø Base db 74.0531mm	Palpatore Ø (#2C) 1mm
Werkzeug:	Charge:	Ang. Base 28°28'50"	Fat.scor.pr. x .1

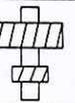


Tolerance	Medio	Val.misur [µm]						Qual	Tolerance	Val.misur [µm]						Medio	Qual
		Var a															
fHam ±6	1	6															
fHa ±10	1	1	-2	0	1	4	9										
Fa	4	3	5	3	2	4	8										
ffa	4	3	3	2	2	3	4										
Ca 2/6	3	3	3	3	3	3	5										
fKo	0	0	0	0	0	0	0										

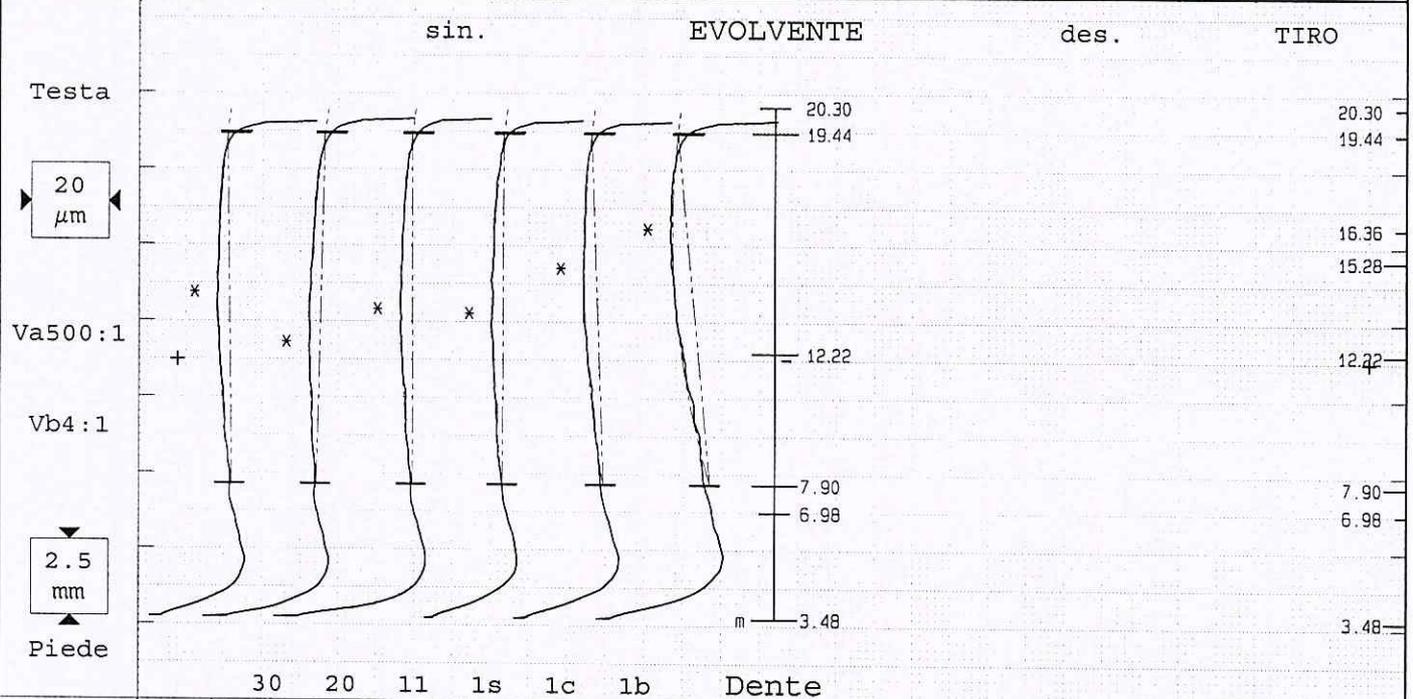
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Ruota cilindrica Evolvente/Elica



Nr. prog.: STI0412_06 0	P26 B7681	Controllore: turno B	Data: 16.01.2015 12:54
Denominazione: Input Inner Z39		Numero denti z 39	Largh.fasc.dent. b 14.4mm
Numero disegno.: 250.6.5178.35-IIF		Modulo m 1.75mm	Tratto evolv. La 11.54/7.38mm
Comessa/serie nr.: 3		Angolo pressione 17°30'00"	Tratto elica Ls 11.52mm
Masch.Nr.: M001	Spindel: Formm	Angolo elica 30°00'00"	Inizio elab. M1 7.9mm
Untersuchungszweck: Laufende Messung		Ø Base db 74.0531mm	Palpatore Ø (#2C) 1mm
Werkzeug:	Charge:	Ang. Base 28°28'50"	Fat.scor.pr. x .1

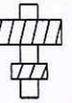


Tolerance	Medio	Val.misur [µm]							Qual	Tolerance	Val.misur [µm]							Medio	Qual
fHm ±6	1	Var a 5																	
fHa ±10	1	1	-2	0	0	3	8												
Fa	3	3	4	3	3	3	8												
ffa 4	3	3	2	2	2	3	4												
Ca 2/6	3	3	3	3	3	3	5												
fKo	0	0	0	0	0	0	0												

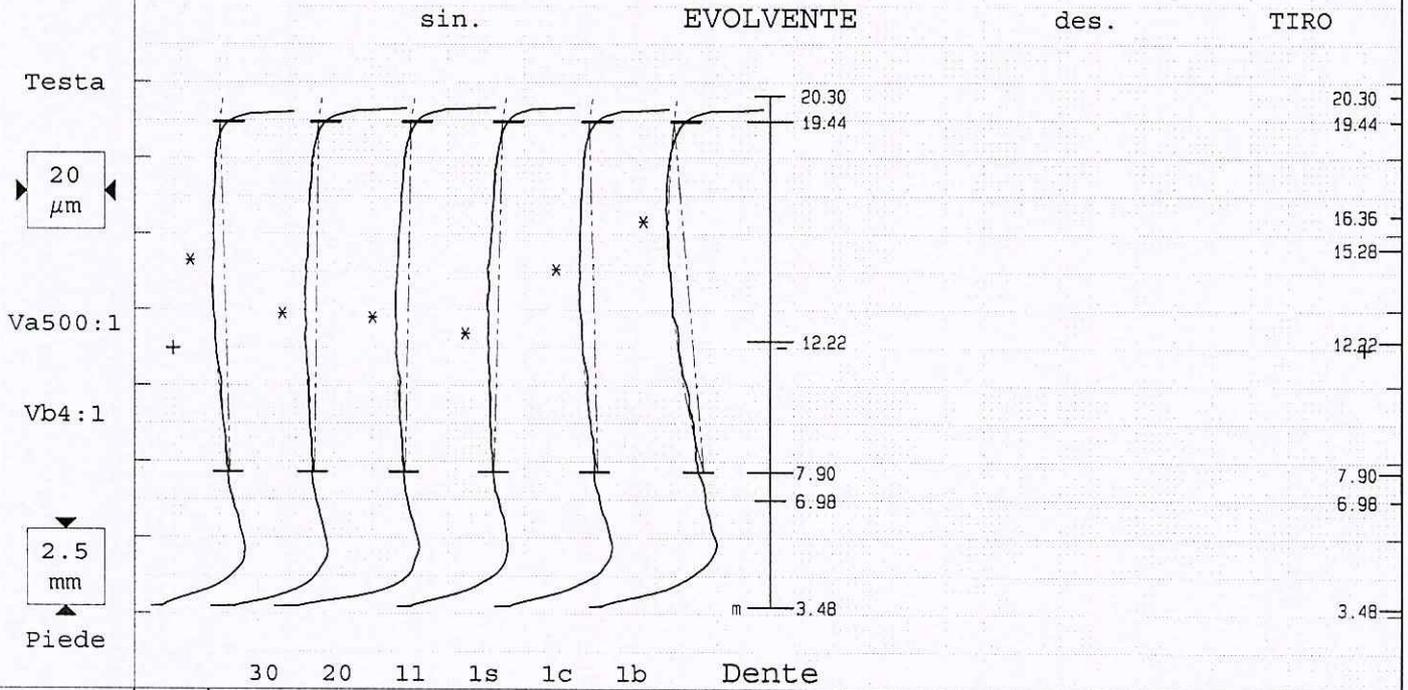
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Ruota cilindrica Evolvente/Elica



Nr. prog.: STI0412_06_0	P26 B7681	Controllore: turno B	Data: 16.01.2015 12:57
Denominazione: Input Inner Z39		Numero denti z 39	Largh.fasc.dent. b 14.4mm
Numero disegno.: 250.6.5178.35-IIF		Modulo m 1.75mm	Tratto evolv. La 11.54/7.38mm
Commessa/serie nr.: 4		Angolo pressione 17°30'00"	Tratto elica Ls 11.52mm
Masch.Nr.: M001	Spindel: Forme	Angolo elica 30°00'00"	Inizio elab. M1 7.9mm
Untersuchungszweck: Laufende Messung		Ø Base db 74.0531mm	Palpatore Ø (#2C) 1mm
Werkzeug:	Charge:	Ang. Base 28°28'50"	Fat.scor.pr. x .1

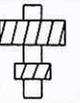


Tolerance	Medio	Val.misur [µm]						Qual	Tolerance	Val.misur [µm]						Medio	Qual	
fHm	±6	1	Var a 4															
fHa	±10	1	3	-1	-1	-2	2	8										
Fa		3	3	3	4	4	3	7										
ffa	4	3	3	2	2	2	3	4										
Ca	2/6	3	3	3	3	3	4	4										
fKo		0	0	0	0	0	0	0										

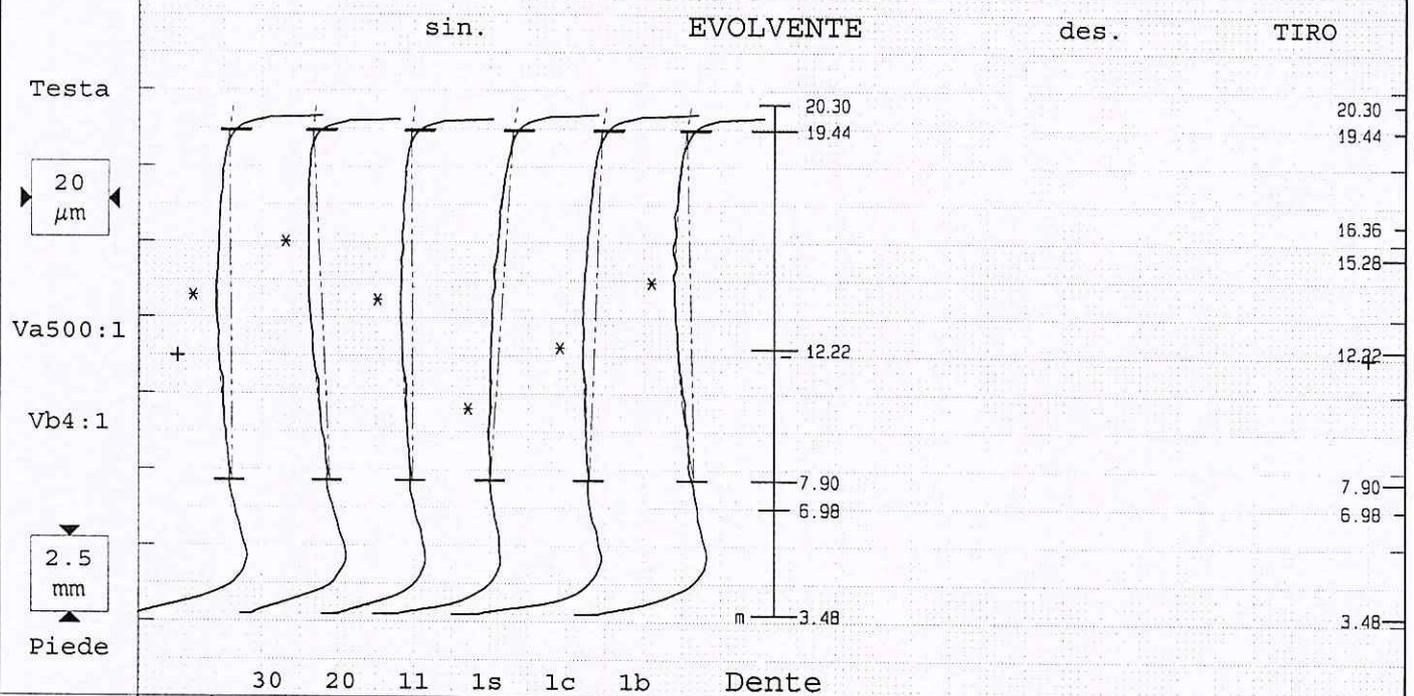
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Ruota cilindrica Evolvente/Elica



Nr. prog.: STI0412_06 0	P26 B7681	Controllore: turno B	Data: 16.01.2015 13:00
Denominazione: Input Inner Z39		Numero denti z 39	Largh.fasc.dent. b 14.4mm
Numero disegno.: 250.6.5178.35-IIF		Modulo m 1.75mm	Tratto evolv. La 11.54/7.38mm
Commessa/serie nr.: 5		Angolo pressione 17°30'00"	Tratto elica Lβ 11.52mm
Masch.Nr.: M001	Spindel: Formner	Angolo elica 30°00'00"	Inizio elab. M1 7.9mm
Untersuchungszweck: Laufende Messung		Ø Base db 74.0531mm	Palpatore Ø (#2C) 1mm
Werkzeug:	Charge:	Ang. Base 28°28'50"	Fat.scor.pr. x .1



Tolerance	Medio	Val.misur [µm]							Qual	Tolerance	Val.misur [µm]							Medio	Qual
fH _{am} ±6	1	Var a 8																	
fH _a ±10	1	1	5	0	-6	-3	2												
F _a	4	3	4	3	7	5	4												
ffa 4	3	2	3	3	2	2	3												
Ca 2/6	3	4	3	3	2	3	4												
fK _o	0	0	0	0	0	0	0												

VDI



Gear data 5178 update from index "-" to "a"
(No change on final Drawing)

Short description: $C_{\alpha 1.F1} = 0.002^{+0.004}$
(a)

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	
7	Control plan	NO	only change on diagram tol.
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			
1	PSW Raw part	NO	
2	PSW E.P. part	NO	
3	PSW Engagement Rings	NO	

